Repor

Los Alamos
NATIONAL LABORATORY
EST. 1943

Environmental Stewardship
Solid Waste Regulatory Compliance
P.O. Box 1663, Mail Stop K490
Los Alamos, New Mexico 87545
505-667-0666/Fax 505-667-5224

Date: February 23, 2006
Refer To: ENV-SWRC:06-013

James Bearzi, Chief
Hazardous Waste Bureau
State of New Mexico Environment Department
2905 Rodeo Park Drive East, Bldg. 1
Santa Fe, NM 87505-6303

RECEIVED
FEB 2006
NMED Hazardous Waste Bureau

Dear Mr. Bearzi:

SUBJECT: 2005 BIENNIAL HAZARDOUS WASTE REPORT

The purpose of this letter is to transmit a copy of the 2005 LANL Biennial Hazardous Waste Report developed by LANL for the National Nuclear Security Administration of the U.S. Department of Energy (DOE). 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 during the previous year. This report details information of waste generation for calendar year 2005.

Introduction

From October 2005 through February 2006, the Laboratory accumulated data on LANL activities related to management and generation of hazardous and mixed waste during 2005. Data related to on-site treatment or disposal activities (including treatment of wastes via approved treatability studies) were obtained from the responsible LANL organizations.

1.0 Data Compilation

Over 10,000 records of transactions (i.e. waste movements, treatment, or storage actions) were provided by these organizations in development of the enclosed report. ENV-SWRC compiled this information into the appropriate HWR forms, and loaded data into the 2005 Biennial Reporting System (BRS) Software. This year's report has 463 Waste Generation and Management (GM) forms.

In 2005, LANL generated a little more than 89,000 kilograms of RCRA hazardous waste; this is a significant decrease over the 2003 report due to the LANL shutdown that occurred in July of 2004.

8234

2.0 Waste Minimization & Recycling

Since 1997, the Biennial Report submission does not include forms to report waste minimization and pollution prevention activities. This submission does however, include LANL's 2005 Pollution Prevention Roadmap (Section 4.0 and 5.0), which details waste minimization and pollution prevention activities for hazardous waste.

This document summarizes the largest hazardous waste streams for which LANL has implemented a waste minimization or pollution prevention plan.

3.0 Forms Used

As required by the NMED and the Environmental Protection Agency (EPA), Los Alamos National Laboratory used the BRS software supplied by the NMED. This software generated:

> the Form SI, *Site Identification*. This form contains general information identifying the LANL facility,
>
> 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 2001,
>
> the Form OI, *Off-Site Identification*. Lists all Commercial transporters and treatment, storage and disposal facilities which accepted LANL-generated hazardous waste,
>
> a 3.5" floppy disk generated by the provided software and labeled as LANL's submission disk,
>
> and a CD that contains the pdf version of the LANL 2005 Biennial Hazardous Waste Report.

4.0 Data Representation

There is no cumulative inventory record keeping requirements for storing hazardous or mixed wastes at satellite or less-than-90-day accumulation areas. However, once such wastes are transported to TA-54 for treatment/storage, their associated data is entered into the NWIS-WMISO databases, which are the principal sources of information for these wastes. The data presented in this report may include information on hazardous and mixed waste accumulated before 2005, but not handled by NWIS until 2005. Wastes that were being stored at satellite and less-than-90-day accumulation areas at the end of 2005 may not be reflected in this report. However, these wastes will be captured in the 2007 Hazardous Waste Report. By using such a reporting method, duplicative reporting of quantities is avoided.

The NMED has asked Los Alamos National Laboratory to use the BRS software from The Florida Department of Environmental Protection. The enclosed CD contains the BRS database that produced the 2005 Hazardous Waste Report for Los Alamos National Laboratory. This database generates the forms mentioned above in Section 3.0 (SI, GM, and OI).

A certification statement signed by LANL is also included in these documents. If you have any questions regarding the contents of this report, please contact Tony R. Grieggs at 665-0451.

Sincerely,

Anthony R. Grieggs, Group Leader
Solid Waste Regulatory Compliance

GE/tag

Cy: K. Hargis ENV-DO, MS J591 (w/o encl.)
G. Montoya, NWIS-TA54E, MS J595 (w/o encl.)
G. Turner, DOE-LA-AO, MS A316 (w/o encl.)
Ellen Louderbough, LC-ESH, MS A187 (w/o encl.)
ENV-SWRC Circ File

CERTIFICATION

2005 LANL Biennial Hazardous Waste Report

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.

Gilbert Montoya 2-2-2006

Gilbert Montoya, **Date Signed**
Group Leader for TA-54 East Group
Los Alamos National Laboratory
Operator

Jeanne M. Ball 2/17/06

Jeanne M. Ball, **Date Signed**
Division Leader for Nuclear Waste & Infrastructure Services
Los Alamos National Laboratory
Operator

Tony Griggs 2/21/2006

Tony Griggs, **Date Signed**
Group Leader for Solid Waste Regulatory Compliance
Los Alamos National Laboratory
Operator

Kenneth M. Hargis 2/21/06

Ken Hargis, **Date Signed**
Division Leader for Environmental Stewardship
Los Alamos National Laboratory
Operator

Dave Tierney for 2/21/06

Mr. Ed Wilmott, **Date Signed**
Manager of Los Alamos Site Office
National Nuclear Security Administration of the U.S. Department of Energy
Albuquerque Operations
Owner/Operator

CERTIFICATION

2005 LANL Biennial Hazardous Waste Report

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Monica Noll 2-15-06

Monica Noll, **Date Signed**
Team Leader for TA-54 East Group
Los Alamos National Laboratory
Operator

MAIL THE COMPLETED FORM TO: The Appropriate EPA Regional or State Office	United States Environmental Protection Agency **RCRA SUBTITLE C SITE IDENTIFICATION FORM**	
Reason for Submittal and Status of Information Supplied (see instructions on pages 10 and 11) CHECK CORRECT BOX(ES)	**A. Reason for Submittal:** ☐ To provide initial notification (to obtain an EPA ID Number for hazardous waste, universal waste, or used oil activities). ☐ To provide subsequent notification (to update site identification information). ☐ As a component of a First RCRA Hazardous Waste Part A Permit Application. ☐ As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment #_____). ☒ As a component of the Hazardous Waste Report.	
2. Site EPA ID Number (see instructions on page 11)	**EPA ID Number:** NM0890010515	
3. Site Name (see instructions on page 11)	**Legal Name:** U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.	
4. Site Location Information (see instructions on page 11)	**Street Address:** PO BOX 1663, MS K490	
	City, Town, or Village: LOS ALAMOS	**State:** NM
	County Name: LOS ALAMOS	**Zip Code:** 87545-
5. Site Land Type (see instructions on page 11)	**Site Land Type:** ☐Private ☐ County ☐ District ☒Federal ☐ Indian ☐Municipal ☐ State ☐Other	
6. North American Industry Classification System (NAICS) Code(s) for the Site (see instructions on page 11)	**A.** 928110	**B.**
	C.	**D.**
7. Site Mailing Address (see instructions on page 12)	**Street or P.O. Box:** PO BOX 1663, MS K490	
	City, Town, or Village: LOS ALAMOS	**State:** NM
	Country:	**Zip Code:** 87545-
8. Site Contact Person (see instructions on page 12)	**First Name:** TONY **MI:** R	**Last Name:** GRIEGGS
	Phone Number: (505)665-0451 **Extension:**	**Email:** GrieggsT@lanl.gov
9. Legal Owner and Operator of the Site (see instructions on pages 12 and 13)	**A. Name of Site's Operator:** UNIVERSITY OF CALIFORNIA	**Date Became Operator (mm/dd/yyyy):** 11/01/1989
	Operator Type: ☐ Private ☐ County ☐ District ☒ Federal ☐ Indian ☐Municipal ☐State ☐ Other	
	B. Name of Site's Legal Owner: NNSA/DEPARTMENT OF ENERGY	**Date Became Owner (mm/dd/yyyy):** 11/01/1989
	Owner Type: ☐Private ☐County ☐District ☒Federal ☐Indian ☐Municipal ☐State ☐Other	
	Street or P.O. Box: PO BOX 1663, MS K490	
	City, Town, or Village: LOS ALAMOS	
	State: NM **Zip Code:** 87545- **Country:**	

EPA ID No. NM0890010515

10. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. See instructions on pages 13, 14, 15, and 16)

A. Hazardous Waste Activities

☒ N ☐ **1. Generator of Hazardous Waste (choose only one of the following three categories)**

- ☒ a. LQG: Greater than 1,000 kg/mo (2,200 lbs.) of non-acute hazardous waste; or
- ☐ b. SQG: 100 to 1,000 kg/mo (220 - 2,200 lbs.) of non-acute hazardous waste; or
- ☐ c. CESQG: Less than 100 kg/mo of non-acute hazardous waste

In addition, indicate other generator activities (check all that apply)

Y ☐ N ☒ d. United States Importer of Hazardous Waste N

Y ☒ N ☐ e. Mixed Waste (hazardous and radioactive) Generator Y

For Items 2 through 6, check all that apply:

Y ☐ N ☒ **2. Transporter of Hazardous Waste** N

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

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

5. Exempt Boiler and/or Industrial Furnace

Y ☐ N ☒ a. Small Quantity On-site Burner Exemption N

Y ☐ N ☒ b. Smelting, Melting, Refining Furnace Exemption N

Y ☐ N ☒ **6. Underground Injection Control** N

B. Universal Waste Activities

1. Large Quantity Handler of Universal Waste (accumulate 5,000 KG or more) [refer to your State regulations to determine what is regulated]. Indicate types of universal waste generated and/or accumulated at your site. (check all boxes that apply)

	Generated	Accumulated
a. Batteries	☒	☐
b. Pesticides	☐	☐
c. Thermostats	☒	☒
d. Lamps	☒	☒
e. Other _____	☐	☐
f. Other _____	☐	☐
g. Other _____	☐	☐

Y ☐ N ☒ **2. Destination Facility for Universal Waste** N

Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities - Mark all boxes that apply

Y ☐ N ☒ **1. Used Oil Transporter**
If "Yes", mark each that applies.
- ☐ a. Transporter N
- ☐ b. Transfer Facility N

Y ☐ N ☒ **2. Used Oil Processor and/or Re-refiner -**
If "Yes", mark each that applies.
- ☐ a. Processor N
- ☐ b. Re-refiner N

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

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

11. Description of Hazardous Wastes (see instructions on page 16)

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

D001	D002	D003	D004	D005	D006	D007
D008	D009	D010	D011	D012	D015	D018
D019	D021	D022	D025	D027	D028	D029
D030	D032	D033	D034	D035	D036	D038
D039	D040	D042	D043	F001	F002	F003
F004	F005	P003	P005	P010	P011	P012
P014	P015	P018	P022	P024	P028	P029

EPA ID No. NM0890010515

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. L st them in the order they are presented in the regulations. Use an additional page if more spaces are needed for waste codes.

12. Comments (see instructions on page 17)

P030 P039 P042 P048 P056 P068 P075 P077 P078 P087 P096 P098 P102 P103 P104 P105 P106 P113 P115 P119 P120 P204
U001 U002 U003 U004 U006 U007 U008 U009 U010 U012 U018 U019 U021 U022 U024 U028 U031 U037 U041 U043 U044 U045 U046
U048 U052 U056 U057 U063 U068 U069 U070 U071 U072 U073 U075 U075 U077 U078 U079 U080 U081 U083 U096 U101 U103 U108
U112 U117 U120 U122 U123 U133 U135 U136 U138 U144 U147 U151 U154 U157 U159 U161 U162 U165 U165 U167 U170 U171 U188
U196 U201 U204 U208 U209 U211 U213 U220 U226 U228 U236 U239 U240 U404

GrieggsT@lanl.gov

13. 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 signifigant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. **(see instructions on page 17)**

Signature of owner, operator, or an authorized representative	Name and Official Title (type or print)	D. Date Signed (mm-dd-yyyy)
	KENNETH M HARGIS	02/23/2006
	DIV. DIR. ENV	

Reuse, Recycling, and Reduction of an ICP-AES ($4111)

- The Pollution Prevention team paid to have a 7-year old ICP-AES machine and accompanying hardware sent to New Mexico Institute of Mining and Technology. Without the new user, the equipment would have become about 500kg of hazardous waste.

Lead-Free Ammunition for Small-Arms Range ($40,000)

- The Pollution Prevention team purchased 100,000 rounds of lead-free ammunition for the guard staff to use at the practice range. The lead bullets are most often the largest amount of lead that LANL purchases annually. These bullets will be tested during the next training class during January 2006.

Solidification of Liquid Residues ($25,000)

- This project examined the potential to use NoChar to solidify liquid radioactive waste with RCRA constituents to provide a disposal path for the materials, which are classified as No Path Forward wastes. This project is waiting for WIPP certification.

Aerosol Can Puncture Units ($6360)

- The Pollution Prevention team purchased six aerosol can puncturing units for various sites so that more of these can bodies can be recycled. Recycling the can bodies reduces hazardous waste generation.

Mercury-Free Sampler ($10,000)

- This team designed a new system for testing compatibility of high explosives with other materials. The old system involved glass tubes of mercury to detect gas generation, and this method sometimes created a no path forward waste. The new system uses no mercury, reduces waste, and saves staff time on machine maintenance since filtering the mercury was frequently necessary.

Lead Recycling from TA-48 and CMR ($120,000)

- The Pollution Prevention team paid to have approximately 22,000 lbs of lead bricks with surface radioactive contamination sent to Duratek for recycling into drum liners, thereby reducing MLLW generation.

Statistical Analysis of Glovebox Glove Failures ($45,000)

- Working with New Mexico State University, NMT Division examined the causes of unplanned glove breaches. The data will assist in reducing the number of unexpected glove breaches, thereby reducing potential generation of TRU, MTRU, or low-level waste and also creating a safer working environment for the staff.

DOE 2005 Pollution Prevention Awards for LANL

Reusable Containment Structures

Glove boxes and other equipment in the Plutonium Facility at the Los Alamos National Laboratory must be isolated from the rest of the room when they require routine maintenance since they contain hazardous materials. The containment was previously accomplished with tent-like structures built from wood frames and plastic sheeting. Constructing the structures on site was labor intensive and generated significant quantities of low-level waste afterwards. Now a reusable containment structure is attached to an aluminum pole frame that can be reused. These structures can be set up quickly, decontaminated easily, and stored for reuse. The reusable structures reduce low-level waste generation by about 200 cubic meters annually.

Radioactive Liquid Waste Generator Set-Aside Fee Program

The Pollution Prevention Team at Los Alamos National Laboratory has seen a significant increase in the number of project proposals aimed at minimizing radioactive liquid waste (RLW) streams at LANL. In addition, the Readiness Technical Base Facilities (RTBF) program has requested a pollution prevention technical focus on RLW in support of the Radioactive Liquid Waste Treatment Facility (RLWTF) upgrades and replacement project. LANL has limited resources for funding these types of projects, so the P2 group and RTBF have developed a Radioactive Liquid Waste Generator Set Aside Fund (RLW-GSAF). This RLW-GSAF will collect a small fee from all waste generators that discharge RLW for treatment and disposal to generate funds that can be invested on projects designed to remove or reduce the contaminant concentration or volume of RLW.

Job Hazard Analysis Tool Development

Los Alamos National Laboratory developed an Integrated Work Management process (IWM) that defines requirements and a process for doing work in a safe, secure, and environmentally responsible manner. The IWM process is a true integration of safety, security and environment into work activities. The IWM process emphasizes line management responsibility for conducting work compliantly and provides strong Division management accountability. This new process fulfills a key environmental management system requirement for work controls to address significant environmental aspects and covers both compliance and pollution prevention instructions.

Redesigning a Weapons Component to Eliminate Beryllium Use

At Los Alamos National Laboratory (LANL), a particular weapons component was redesigned so that it could be manufactured out of a non-hazardous material instead of beryllium. Beryllium is a hazard because people sensitive to beryllium metal can develop Chronic Beryllium Disease, a disabling and sometimes fatal lung condition. The part was redesigned, tested, and approved for use. Reducing beryllium exposure is beneficial to workers, and this improvement is expected to save LANL approximately $3.2 million through 2007. Total annual savings is $850,000.

Oil-Free Vacuum Pumps

The Los Alamos National Laboratory has switched to using oil-free vacuum pumps for a variety of applications. The oil-free vacuum pumps are beneficial because unlike traditional oil-containing vacuum pumps, oil-free vacuum pumps create no spent oil that requires analysis and becomes waste. Using oil-free vacuum pumps also saves time because employees do not need to periodically change the oil in the pumps, ship any waste, or complete any disposal paperwork. Each oil-free vacuum pump in use saves thousands of dollars annually on labor, sample analysis, and waste disposal.

Radioactive Liquid Waste Treatment Facility Effluent Reuse and Recycle

Personnel at the RLWTF recognized that some of the industrial water supplied by the LANL potable water system could be replaced with recycled effluent. Normal effluent from the RLWTF is discharged from tanks to the NPDES outfall in Mortandad Canyon. A portion of this effluent is now being recycled to the chemical addition tanks at a rate of 6 gallons/minute, 6 hours/day, 5 days a week. The RLWTF also occasionally generates effluent that does not meet the discharge criteria for the NPDES outfall. Historically, this off-spec water was recycled back to the influent tanks of the plant for re-treatment. Now this water is recycled to provide backwash for the gravity filter and rinse water for tanks/systems throughout the facility.

Oversized Transuranic Waste Volume Reductions at the Decontamination and Volume Reduction System

The Decontamination and Volume Reduction System facility is designed to segregate low-level waste and transuranic waste by allowing for characterization, decontamination, and volume reduction of large metallic waste components and process wastes. Overall, the reduction in transuranic waste was about 39%. Additionally, 22 m3 of waste was removed from the transuranic waste inventory, reducing the overall waste management life-cycle cost by roughly $500,000.

LANL 2005 Pollution Prevention Awards

1. Replacement of Beryllium-Copper Snap Ring

A team from ESA and X Divisions found a non-hazardous substitute for a particular type of snap ring they used for shipping. The original snap ring contained beryllium, and the beryllium dust that was generated during strength testing posed safety risks to employees. The new snap ring is made of stainless steel, and many of the safety precautions used during testing of the beryllium-containing snap rings are no longer necessary.

2. Sample Volume Reduction by Recharacterization

Personnel at TA-54 compiled extensive documentation for a particular drum containing a large assortment of unlabeled vials. Without this documentation, each container would have required individual sampling and analytical results for a wide variety of components. The sampling would have taken several days of effort by multiple technicians, generated waste, and would have cost an estimated $500,000. Instead the team determined all possible constituents so that individual sampling was not required to ship the drum for disposal.

3. Waste Reduction by Information Mining

Five drums of legacy waste at TA-54 contained old vacuum pumps that had been coated with a hard, asphalt emulsion. There was speculation that these vacuum pumps contained some quantity of elemental mercury, meaning that treatment would be very difficult and expensive. The original plan was to melt the asphalt off the vacuum pumps so that the mercury could be removed, but this plan would have generated a lot of additional waste materials during the process. The team found documentation that the mercury had been drained by the generator prior to disposal. Savings on treatment of those five drums is an estimated $138,000.

6. Halon Reuse and Refrigerant Reclamation

KSL collected halon from fire extinguishers around LANL and sent about 4000lb to the Department of Defense for reuse. About 8700lb of the halon went to a company called Pure Chem, Inc. in Texas for reclamation and resale. Altogether, LANL avoided disposal of over 12,000lb of resources that were beneficially recovered instead.

11. Elimination of a Hazardous Waste Stream Using Silver Recovery

ESA-AET installed a silver recovery unit on its film-processing operations in two locations at TA-8. Once the silver is removed from the spent photographic fixer, the resulting liquid is no longer hazardous. The silver recovery units will prevent approximately 500 gallons of hazardous waste annually and will allow the silver to be recovered for future use.

12. RCRA Hazardous Waste Labels for Lithium Batteries

A team from NMT-1 and HSR-1 developed a label for lithium batteries that are provided by the TA-55 warehouse. The label explains to users that these lithium batteries

cannot be thrown away in the trash and must be handled as hazardous waste. Any hazardous material that gets mistakenly thrown away in the trash is a potential safety risk to workers and has the potential to leach hazardous chemicals into the environment. The lithium battery labels reduce the chance of hazardous materials being mishandled and reduce overall liability for LANL.

14. Metal Molds for Plutonium Aliquot Production

Metal aliquot molds made out of tantalum will replace graphite molds currently used in the production of plutonium aliquots for pit manufacturing. This replacement eliminates the graphite waste of approximately 200lb annually. The reusable tantalum molds will save workers about 140 hours per year. Overall annual savings total $250,000.

16. Reuse of Containers

200 stainless steel containers that did not meet specifications for special nuclear material storage were used instead to repackage low-level waste. By using these existing containers instead of purchasing new ones, LANL saved about $100,000. An additional $10,000 was avoided because the existing containers had enough shielding to make secondary containers unnecessary, and about 500 cubic feet of low-level waste was avoided this way.

17. Reclamation of Detector Tubes

Members of FWO-SWO sent 419 detector tubes containing helium and argon back to Reuter Stokes, the manufacturer, for reclamation instead of disposing of the tubes as hazardous waste. The team saved LANL approximately $60,000 by choosing reclamation over disposal.

18. Save the Ozone; Reduce the Waste

A team from NMT and N Divisions are replacing compressor unit coolers that contain ozone-depleting refrigerants with thermoelectric coolers. The thermoelectric coolers have longer lifetimes than the compressor units and they do not use any refrigerant gases. In addition to reducing impact on the ozone layer, less mixed low-level waste will ultimately be generated since the thermoelectric coolers will not need replacement as frequently.

19. Minimization Efforts for Low-Level Waste at LANSCE

During a waste segregation project at LANSCE, a team from NWIS and HSR Divisions sorted out approximately 3150 cubic feet of material that had been incorrectly assumed to be low-level waste in the past and packaged the remaining material more efficiently. There was an overall 57% waste volume reduction from this project and avoided waste disposal costs of approximately $45,000.

20. LANSCE Lead Waste Minimization and Recycle Project

The LANSCE waste management team surveyed, packaged, and shipped over 210,000lb of lead for recycle. The remaining lead stockpile was repackaged in plastic wrapping to minimize generation of lead-contaminated debris. By reducing the lead

stockpile by over 80%, there will be fewer potential health, safety, and environmental impact risks.

21. Environmental Liability Reduction Through Removal of Moratorium Metal

LANSCE accumulated 14 roll-off bins of metal as a result of facility upgrades. Having this material onsite represented a potential environmental liability, so the LANSCE waste management team shipped the material to Duratek, a metal processing facility in Oak Ridge, Tennessee. Some of this metal was turned into waste containers that can be used by the DOE complex.

22. Sustainable Design Section Now in LANL Engineering Standards

A new section in the Engineering Standards Manual for LANL was created to centralize sustainable design requirements and guidance. The new section affects the construction of new buildings and major renovations of existing buildings. These changes will allow LANL to better meet DOE expectations for improving energy efficiency and pollution prevention through improved construction.

24. Reduction of Transuranic Waste Through Use of Replacement Furnace Elements

In the past, the Carbolite processing furnaces inside glove boxes at TA-55 had to be completely replaced when the furnace elements burned out. Now these furnaces use replaceable elements, reducing the amount of transuranic waste generated by 83% and waste disposal costs by $30,000 annually. The furnace elements are also easier to install and reduce potential risks to employees.

26. Environmentally Friendly Metallographic Preparation Technique for Uranium Alloys

Some of the chemicals used in the traditional process for preparing uranium alloys contain regulated metals and therefore pose potential environmental risks and require special handling and disposal. MST-6 developed a new procedure that only uses two types of chemicals that do not contain regulated metals. Since fewer, less-toxic chemicals are required, the procedure is safer for employees.

28. Asphalt Millings Erosion Control Berm

KSL and PM Division constructed a new erosion-control berm that is composed of 100% recycled asphalt. The asphalt came from a stockpile generated at LANL from various road resurfacing projects. If the berm had been built from soil, more labor, stabilization, and about 100 cubic feet of materials would have been required.

29. Electronic Business Card Media

LANL has switched to electronic media for much of its recruitment efforts. Instead of paper folders, brochures, and handouts, potential employees are given a business card sized CD that contains all of the same information. The use of this electronic media has reduced the use of paper recruiting materials by 25-40%.

30. Compactability of Low-level Waste

Some of the low-level waste generated at LANL can be compacted so that disposal requires less space. Glass, however, cannot be compacted since broken glass

poses a safety hazard. Richard Salazar of NMT-2 orders chemicals in plastic containers whenever possible. The cost for disposing of compactable low-level waste is only half of the cost for non-compactable waste.

31. Glove Box Decontamination Operations

Members of this team decontaminated old glove boxes that were scheduled for removal from TA-55. Originally the glove boxes would have been handled as transuranic waste. Since the glove boxes were decontaminated, however, they could be more easily and less expensively handled as low-level waste. Waste disposal savings for these five glove boxes was over $9,000.

35. Sanitary Effluent Recycle Facility

The Sanitary Effluent Recycle Facility can recycle about 100 gallons of water per minute from the sanitary wastewater treatment plant for reuse by the cooling towers of the SCC building and several other buildings. The SERF is expected to reuse approximately 20,000,000 gallons of water.

37. Radioactive Liquid Waste Treatment Facility Chemical Usage Reductions

During 2004, a team at the Radioactive Liquid Waste Treatment Facility installed a controlled carbon dioxide pH adjustment system. Now 100lb of sodium hydroxide and 4 gallons of concentrated sulfuric acid per month are no longer needed. Annual savings on chemical procurement are over $6500 and savings on avoided waste disposal are approximately $5000.

38. Wood Pallet Recycling

NWIS-SWO Material Recycling Facility crew began a wood recycling program this fiscal year with a local small business. 2235 pallets, 97 sheets of plywood, 76 2x4s, and 7 wood spools were recycled in 2004 instead of going to the landfill. Annually, this project is expected to prevent approximately 10% of the Laboratory's sanitary waste from ending up at the landfill.

39. Reuse of Hardened De-Icing Salt

Large containers of granular De-Icing salt are placed around TA-55 each winter so that employees can spread salt on the walkways to keep them safe. Despite being stored in plastic containers with lids, the salt accumulates moisture and eventually turns into large chunks that cannot be spread for de-icing. Hundreds of pounds of this unusable salt were going to be disposed as a non-regulated waste. Sheryl worked with facility management to have this salt re-crushed, and it was used for de-icing this past winter. This eliminated a waste stream and saved the cost of purchasing additional salt.

2005
LOS ALAMOS NATIONAL LABORATORY'S BIENNIAL HAZARDOUS WASTE REPORT

LA-UR-06-0769

PREPARED BY
ENV-SWRC
NWIS-WMISO
Greg Erpenbeck, Tony Grieggs

Environmental Stewardship
Solid Waste Regulatory Compliance
P.O. Box 1663, Mail Stop K490
Los Alamos, New Mexico 87545
505-667-0666/Fax 505-667-5224

Date: February 23, 2006
Refer To: ENV-SWRC:06-013

James Bearzi, Chief
Hazardous Waste Bureau
State of New Mexico Environment Department
2905 Rodeo Park Drive East, Bldg. 1
Santa Fe, NM 87505-6303

Dear Mr. Bearzi:

SUBJECT: 2005 BIENNIAL HAZARDOUS WASTE REPORT

The purpose of this letter is to transmit a copy of the 2005 LANL Biennial Hazardous Waste Report developed by LANL for the National Nuclear Security Administration of the U.S. Department of Energy (DOE). 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 during the previous year. This report details information of waste generation for calendar year 2005.

Introduction

From October 2005 through February 2006, the Laboratory accumulated data on LANL activities related to management and generation of hazardous and mixed waste during 2005. Data related to on-site treatment or disposal activities (including treatment of wastes via approved treatability studies) were obtained from the responsible LANL organizations.

1.0 Data Compilation

Over 10,000 records of transactions (i.e. waste movements, treatment, or storage actions) were provided by these organizations in development of the enclosed report. ENV-SWRC compiled this information into the appropriate HWR forms, and loaded data into the 2005 Biennial Reporting System (BRS) Software. This year's report has 463 Waste Generation and Management (GM) forms.

In 2005, LANL generated a little more than 89,000 kilograms of RCRA hazardous waste, this is a significant decrease over the 2003 report due to the LANL shutdown that occurred in July of 2004.

2.0 Waste Minimization & Recycling

Since 1997, the Biennial Report submission does not include forms to report waste minimization and pollution prevention activities. This submission does however, include LANL's 2005 Pollution Prevention Roadmap (Section 4.0 and 5.0), which details waste minimization and pollution prevention activities for hazardous waste.

This document summarizes the largest hazardous waste streams that LANL has implemented a waste minimization or pollution prevention plan for.

3.0 Forms Used

As required by the NMED and the Environmental Protection Agency (EPA), Los Alamos National Laboratory used the BRS software supplied by the NMED. This software generated:

> the Form SI, *Site Identification*. This form contains general information identifying the LANL facility,
>
> 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 2001,
>
> the Form OI, *Off-Site Identification*. Lists all Commercial transporters and treatment, storage and disposal facilities which accepted LANL-generated hazardous waste,
>
> a 3.5" floppy disk generated by the provided software and labeled as LANL's submission disk,
>
> and a CD that contains the pdf version of the LANL 2005 Biennial Hazardous Waste Report.

4.0 Data Representation

There is no cumulative inventory record keeping requirements for storing hazardous or mixed wastes at satellite or less-than-90-day accumulation areas. However, once such wastes are transported to TA-54 for treatment/storage, their associated data is entered into the NWIS-WMISO databases, which are the principal sources of information for these wastes. The data presented in this report may include information on hazardous and mixed waste accumulated before 2005, but not handled by NWIS until 2005. Wastes that were being stored at satellite and less-than-90-day accumulation areas at the end of 2005 may not be reflected in this report. However, these wastes will be captured in the 2007 Hazardous Waste Report. By using such a reporting method, duplicative reporting of quantities is avoided.

The NMED has asked Los Alamos National Laboratory to use the BRS software from The Florida Department of Environmental Protection. The enclosed CD contains the BRS database that produced the 2005 Hazardous Waste Report for Los Alamos National Laboratory. This database generates the forms mentioned above in Section 3.0 (SI, GM, and OI).

A certification statement signed by LANL is also included in these documents. If you have any questions regarding the contents of this report, please contact Tony R. Grieggs at 665-0451.

Sincerely,

Tony R. Grieggs, Group Leader
Solid Waste Regulatory Complicance

Cy: K. Hargis ENV-DO, MS J591 (w/o encl.)
G. Montoya, NWIS-TA54E, MS J595 (w/o encl.)
G. Turner, DOE-LA-AO, MS A316 (w/o encl.)
Ellen Louderbough, LC-ESH, MS A187 (w/o encl.)
ENV-SWRC Circ File

CERTIFICATION

2005 LANL Biennial Hazardous Waste Report

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.

Gilbert Montoya 2-2-2006

Gilbert Montoya, **Date Signed**
Group Leader for TA-54 East Group
Los Alamos National Laboratory
Operator

Jeanne M. Ball 2/17/06

Jeanne M. Ball, **Date Signed**
Division Leader for Nuclear Waste & Infrastructure Services
Los Alamos National Laboratory
Operator

Tony Grieggs 2/21/2006

Tony Grieggs, **Date Signed**
Group Leader for Solid Waste Regulatory Compliance
Los Alamos National Laboratory
Operator

Kenneth M. Hargis 2/21/06

Ken Hargis, **Date Signed**
Division Leader for Environmental Stewardship
Los Alamos National Laboratory
Operator

Gene Turner for 2/21/06

Mr. Ed Wilmott, **Date Signed**
Manager of Los Alamos Site Office
National Nuclear Security Administration of the U.S. Department of Energy
Albuquerque Operations
Owner/Operator

CERTIFICATION

2005 LANL Biennial Hazardous Waste Report

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.

Monica Noll 2-15-06

Monica Noll, **Date Signed**

Team Leader for TA-54 East Group
Los Alamos National Laboratory
Operator

MAIL THE COMPLETED FORM TO: The Appropriate EPA Regional or State Office	United States Environmental Protection Agency **RCRA SUBTITLE C SITE IDENTIFICATION FORM**	
1. Reason for Submittal and Status of Information Supplied (see instructions on pages 10 and 11) CHECK CORRECT BOX(ES)	**A. Reason for Submittal:** ☐ To provide initial notification (to obtain an EPA ID Number for hazardous waste, universal waste, or used oil activities). ☐ To provide subsequent notification (to update site identification information). ☐ As a component of a First RCRA Hazardous Waste Part A Permit Application. ☐ As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment #_____). ☒ As a component of the Hazardous Waste Report.	
2. Site EPA ID Number (see instructions on page 11)	**EPA ID Number:** NM0890010515	
3. Site Name (see instructions on page 11)	**Legal Name:** U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.	
4. Site Location Information (see instructions on page 11)	**Street Address:** PO BOX 1663, MS K490	
	City, Town, or Village: LOS ALAMOS	**State:** NM
	County Name: LOS ALAMOS	**Zip Code:** 87545-
5. Site Land Type (see instructions on page 11)	**Site Land Type:** ☐Private ☐ County ☐ District ☒Federal ☐ Indian ☐Municipal ☐ State ☐Other	
6. North American Industry Classification System (NAICS) Code(s) for the Site (see instructions on page 11)	**A.** 928110	**B.**
	C.	**D.**
7. Site Mailing Address (see instructions on page 12)	**Street or P.O. Box:** PO BOX 1663, MS K490	
	City, Town, or Village: LOS ALAMOS	**State:** NM
	Country:	**Zip Code:** 87545-
8. Site Contact Person (see instructions on page 12)	**First Name:** TONY **MI:** R	**Last Name:** GRIEGGS
	Phone Number: (505)665-0451 **Extension:**	**Email:** GrieggsT@lanl.gov
9. Legal Owner and Operator of the Site (see instructions on pages 12 and 13)	**A. Name of Site's Operator:** UNIVERSITY OF CALIFORNIA	**Date Became Operator (mm/dd/yyyy):** 11/01/1989
	Operator Type: ☐ Private ☐ County ☐ District ☒ Federal ☐ Indian ☐Municipal ☐State ☐ Other	
	B. Name of Site's Legal Owner: NNSA/DEPARTMENT OF ENERGY	**Date Became Owner (mm/dd/yyyy):** 11/01/1989
	Owner Type: ☐Private ☐County ☐District ☒Federal ☐Indian ☐Municipal ☐State ☐Other	
	Street or P.O. Box: PO BOX 1663, MS K490	
	City, Town, or Village: LOS ALAMOS	
	State: NM **Zip Code:** 87545- **Country:**	

EPA ID No. NM0890010515

10. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. See instructions on pages 13, 14, 15, and 16)

A. Hazardous Waste Activities

Y [X] N [ ] **1. Generator of Hazardous Waste (choose only one of the following three categories)**

[X] a. LQG: Greater than 1,000 kg/mo (2,200 lbs.) of non-acute hazardous waste; or

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

[ ] c. CESQG: Less than 100 kg/mo of non-acute hazardous waste

In addition, indicate other generator activities (check all that apply)

Y [ ] N [X] d. United States Importer of Hazardous Waste N

Y [X] N [ ] e. Mixed Waste (hazardous and radioactive) Generator Y

For Items 2 through 6, check all that apply:

Y [ ] N [X] **2. Transporter of Hazardous Waste** N

Y [X] N [ ] **3. Treater, Storer, or Disposer of Hazardous Waste (at your site)** Note: A hazardous waste permit is required for this activity Y

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

5. Exempt Boiler and/or Industrial Furnace

Y [ ] N [X] a. Small Quantity On-site Burner Exemption N

Y [ ] N [X] b. Smelting, Melting, Refining Furnace Exemption N

Y [ ] N [X] **6. Underground Injection Control** N

B. Universal Waste Activities

1. Large Quantity Handler of Universal Waste (accumulate 5,000 KG or more) [refer to your State regulations to determine what is regulated]. Indicate types of universal waste generated and/or accumulated at your site. (check all boxes that apply)

	Generated	Accumulated
a. Batteries	[X]	[ ]
b. Pesticides	[ ]	[ ]
c. Thermostats	[X]	[X]
d. Lamps	[X]	[X]
e. Other _____	[ ]	[ ]
f. Other _____	[ ]	[ ]
g. Other _____	[ ]	[ ]

Y [ ] N [X] **2. Destination Facility for Universal Waste** N

Note: A hazardous waste permit may be required for this activity.

C. Used Oil Activities - Mark all boxes that apply

Y [ ] N [X] **1. Used Oil Transporter**
If "Yes", mark each that applies.

[ ] a. Transporter N

[ ] b. Transfer Facility N

Y [ ] N [X] **2. Used Oil Processor and/or Re-refiner -**
If "Yes", mark each that applies.

[ ] a. Processor N

[ ] b. Re-refiner N

Y [ ] N [X] **3. Off-Specification Used Oil Burner** N

Y [ ] N [X] **4. Used Oil Fuel Marketer**
If "Yes", mark each that applies.

[ ] a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner N

[ ] b. Marketer Who First Claims the Used Oil Meets the Specifications N

11. Description of Hazardous Wastes (see instructions on page 16)

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

D001	D002	D003	D004	D005	D006	D007
D008	D009	D010	D011	D012	D015	D018
D019	D021	D022	D025	D027	D028	D029
D030	D032	D033	D034	D035	D036	D038
D039	D040	D042	D043	F001	F002	F003
F004	F005	P003	P005	P010	P011	P012
P014	P015	P018	P022	P024	P028	P029

EPA ID No. NM0890010515

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 for waste codes.

12. Comments (see instructions on page 17)

P030 P039 P042 P048 P056 P068 P075 P077 P078 P087 P096 P098 P102 P103 P104 P105 P106 P113 P115 P119 P120 P204
U001 U002 U003 U004 U006 U007 U008 U009 U010 U012 U018 U019 U021 U022 U024 U028 U031 U037 U041 U043 U044 U045 U046
U048 U052 U056 U057 U063 U068 U069 U070 U071 U072 U073 U075 U075 U077 U078 U079 U080 U081 U083 U096 U101 U103 U108
U112 U117 U120 U122 U123 U133 U135 U136 U138 U144 U147 U151 U154 U157 U159 U161 U162 U165 U165 U167 U170 U171 U188
U196 U201 U204 U208 U209 U211 U213 U220 U226 U228 U236 U239 U240 U404

GrieggsT@lanl.gov

13. 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 signifigant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. **(see instructions on page 17)**

Signature of owner, operator, or an authorized representative	Name and Official Title (type or print)	D. Date Signed (mm-dd-yyyy)
	KENNETH M HARGIS	02/23/2006
	DIV. DIR. ENV	

SITE NAME
U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
BOX 1663, MS K490
LOS ALAMOS NM 87545

EPA ID NO: **NM0890010515**

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

FORM OI

OFF-SITE IDENTIFICATION

Form 1	A. EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transporter
	CAD008488025	PHIBRO-TECH, INC.

C. Handler Type
N Generator
N Transporter
Y TSDR

D. Address of off-site installation
Street 8851 DICE ROAD
City SANTA FE SPRINGS
State CA Zip 90670-

Form 2	A. EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transporter
	COD980591184	ONYX ENVIRONMENTAL SERVICES, L.L.C

C. Handler Type
N Generator
N Transporter
Y TSDR

D. Address of off-site installation
Street 9131 EAST 96TH AVENUE
City HENDERSON
State CO Zip 80640-

Form 3	A. EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transporter
	FLD980711071	PERMA-FIX

C. Handler Type
N Generator
N Transporter
Y TSDR

D. Address of off-site installation
Street 1940 NW 67TH PLACE
City GAINESVILLE
State FL Zip 32653-

Form 4	A. EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transporter
	NM0000590240	ENVIROSOLVE L.L.C.

C. Handler Type
N Generator
N Transporter
Y TSDR

D. Address of off-site installation
Street 5338 WILLIAMS STREET
City ALBUQUERQUE
State NM Zip 87105-

Form 5	A. EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transporter
	TNR000005397	MATERIAL & ENERGY CORPORATION

C. Handler Type
N Generator
N Transporter
Y TSDR

D. Address of off-site installation
Street 2010 HIGHWAY 58, SUITE 1020
City OAK RIDGE
State TN Zip 37830-

SITE NAME
U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
BOX 1663, MS K490
LOS ALAMOS NM 87545

EPA ID NO: NM0890010515

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

FORM
OI

OFF-SITE IDENTIFICATION

Form 6	A. EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transporter
	TXD988088464	WASTE CONTROL SPECIALISTS

C. Handler Type
- N Generator
- N Transporter
- Y TSDR

D. Address of off-site installation
Street: 9998 HIGHWAY 176 WEST
City: ANDREWS COUNTY
State: TX Zip: 79714-

Form 7	A. EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transporter
	UTD981552177	CLEAN HARBORS ARAGONITE, LLC

C. Handler Type
- N Generator
- N Transporter
- Y TSDR

D. Address of off-site installation
Street: 11600 NORTH APTUS ROAD
City: ARAGONITE
State: UT Zip: 84029-

Form 8	A. EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transporter
	UTD982598898	ENVIROCARE OF UTAH, INC.

C. Handler Type
- N Generator
- N Transporter
- Y TSDR

D. Address of off-site installation
Street: INTERSTATE 80, EXIT 49
City: CLIVE
State: UT Zip: 84029-

Form 9	A. EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transporter
	UTD991301748	CLEAN HARBORS GRASSY MOUNTAIN, LLC

C. Handler Type
- N Generator
- N Transporter
- Y TSDR

D. Address of off-site installation
Street: EXIT 41 I-80 3 MILES EAST
7 MILES NORTH OF KNOLLS
City: GRASSY MOUNTAIN
State: UT Zip: 84029-

Form 10	A. EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transporter
	WAR000010355	ATG, INC.

C. Handler Type
- N Generator
- N Transporter
- Y TSDR

D. Address of off-site installation
Street: 2025 BATTELLE BLVD.
City: RICHLAND
State: WA Zip: 99352-

SITE NAME
U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
BOX 1663, MS K490
LOS ALAMOS NM 87545

EPA ID NO: **NM0890010515**

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

FORM OI

OFF-SITE IDENTIFICATION

Form 11	A. EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transporter
	AZ0000337360	ONYX SPECIAL SERVICES, INC

C. Handler Type		D. Address of off-site installation	
N	Generator	Street	5736 WEST JEFFERSON STREET
N	Transporter	City	PHOENIX
Y	TSDR	State	AZ Zip 85043-

Form 12	A. EPA ID No. of off-site installation or transporter	B. Name of off-site installation or transporter
	TXD055135388	SET ENVIRONMENTAL, INC.

C. Handler Type		D. Address of off-site installation	
N	Generator	Street	5738 CHESWOOD
N	Transporter	City	HOUSTON
Y	TSDR	State	TX Zip 77087-

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	DEACTIVATED TETRAHYDROFURAN

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
U213 D001	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	
G07 Management Method code for Source code G25	W001	8.00	6 Density	0.89 spec.gra

Sec. 2	Was any of this waste managed on-site?	Yes

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005
H111	8.00		

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description LAB PACKS CONTAINING ACUTE HAZARDOUS WASTE FROM DISCARDING OFF-SPECIFICATION/OUT-OF-DATE CHEMICALS/PRODUCTS

B. EPA Hazardous Waste Code D001 D002 D006 D008 D010 D009 D007 D005 D004 D003

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W004	477.02	3	0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	2,119.20
2	NM0000590240	H141	3,131.92
3	UTD981552177	H040	51.44
4	AZ0000337360	H010	6.84
5	TXD055135388	H141	93.48

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description GENERIC WASTE PROFILE USED FOR NEW/UNUSED CHEMICALS.

B. EPA Hazardous Waste Code D001 D007 D009 D011 D010 D008 D005 D002 D004 D003

C. State Hazardous Waste Code

D. Source Code G11

Management Method code for Source code G25

E. Form Code W004

F. Quantity Generated in 2005 2,909.04

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	AZ0000337360	H010	1.85
2	TXD055135388	H141	0.90
3	UTD981552177	H040	309.53
4	NM0000590240	H141	32.88

Comments D035 P056 P105 P120 U080 U151 U159 U226

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description UNUSED CHEMICALS WITH RADIOACTIVE CONTAMINATION.HAZARDS AS PER MSDS. RADIOACTIVE CONTAMINATION IS SUSPECT.

B. EPA Hazardous Waste Code D001 D009 D025 D011 D008 D003 D004 D007 D005 D002

C. State Hazardous Waste Code

D. Source Code G11

Management Method code for Source code G25

E. Form Code W004

F. Quantity Generated in 2005 0.00

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	WAR000010355	H129	0.32

Comments P022 P030 P058 P098 P120 U003 U031 U056 U070 U080 U133 U151 U154 U197 U210 U211 U213 U220 U228

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description UNUSED/UNSPENT PRODUCT. GENERATED LANL-WIDE. APPROPRIATE MSDS(OR SIMILAR MANUFACTURER'S STATEMENT)FOR EACH PRODUCT WILL BE ATTACHED TO THE WASTE DISPOSAL REQUEST.

B. EPA Hazardous Waste Code D001 D022 D011 D004 D006 D007 D010 D009 D003 D002

C. State Hazardous Waste Code

D. Source Code G11

Management Method code for Source code G25

E. Form Code W004

F. Quantity Generated in 2005 386.36

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	**Quantity treated, disposed, or recycled on-site in 2005**	**On-site process system type**	**Quantity treated, disposed, or recycled on-site in 2005**

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	AZ0000337360	H010	6.84
2	TXD055135388	H141	93.48
3	COD980591184	H141	2,112.08
4	NM0000590240	H141	3,113.26

Comments P042 P087 P105 P106 U002 U003 U007 U031 U044 U048 U056 U077 U080 U112 U122 U136 U154 U188 U204 U220 U228 U236 U239 U240 U404

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description GENERIC WPF TO HANDLE MIXED WASTE WORK-OFF. THIS PROFILE WILL BE USED TO ONLY UPDATE CWDRS WITH INFORMATION ON ITEMS FOUND IN DRUMS, THAT WERE NOT INCLUDED ON ORIGINAL PAPERWORK.

B. EPA Hazardous Waste Code D001 D004 D029 P106 D008 D002 D003

C. State Hazardous Waste Code

D. Source Code G11

Management Method code for Source code G25

E. Form Code W004

F. Quantity Generated in 2005 0.00

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	0.01

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description UNUSED/UNSPENT PRODUCT. GENERATED LANL-WIDE. APPROPRIATE MSDS(OR SIMILAR MANUFACTURER'S STATEMENT)FOR EACH PRODUCT WILL BE ATTACHED TO THE WASTE DISPOSAL REQUEST.

B. EPA Hazardous Waste Code D001 D005 D006 D008 D010 D011 D009 D007 D002 D003

C. State Hazardous Waste Code

D. Source Code G11

Management Method code for Source code G25

E. Form Code W004

F. Quantity Generated in 2005 386.36

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	AZ0000337360	H010	6.84
2	NM0000590240	H141	3,113.26
3	TXD055135388	H141	93.48
4	COD980591184	H141	2,112.08

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UNUSED/UNSPENT CHEMICALS IN ORIGINAL CONTAINERS. MSDS'S TO BE ATTACHED WITH CWDR.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D007 D009 D022 D035 D011 D008 D005 D002 D003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W004	0.34	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.34

Comments D036 F003 P030 P105 U002 U007 U019 U037 U043 U044 U056 U057 U068 U070 U077 U080 U103 U108 U117 U151 U154 U159 U161 U170 U171 U188 U211 U220 U239

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description UNUSED INDUSTRIAL AND RESEARCH CHEMICALS, CONTAMINATED WITH TRITIUM.

B. EPA Hazardous Waste Code D001 D009 D011 D035 D010 D008 D003 D006 D007 D002

C. State Hazardous Waste Code

D. Source Code G11

Management Method code for Source code G25

E. Form Code W001

F. Quantity Generated in 2005 0.00

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	0.33
2	TNR000005397	H111	1.06

Comments D039 U075 U220 U226

SITE NAME

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PO BOX 1663, MS K490
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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	SPENT MULTI ELEMENT STANDARD SOLUTION CONSISTING OF INORGANIC METALS, SULFURIC ACID, HYDROCHLORIC ACID.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D003 D007 D008 D006 D002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G22 Management Method code for Source code G25	W119	15.87	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description GENERIC PROFILE FOR UNUSED/UNSPENT CHEMICALS. MSDS TO ACCOMPANY CWDR.

B. EPA Hazardous Waste Code D001 D035 U151 D011 D003 D008 D009 D002

C. State Hazardous Waste Code

D. Source Code G11

Management Method code for Source code G25

E. Form Code W001

F. Quantity Generated in 2005 8.81

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	8.57

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description GENERIC PROFILE FOR UNUSED/UNSPENT CHEMICALS. MSDS TO ACCOMPANY CWDR.

B. EPA Hazardous Waste Code D001 U002 D003 D008 D040 D002

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G11 Management Method code for Source code G25	W001	14.06	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	12.70

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description SMALL AMOUNTS OF CHEMICALS PRECIPITATED FROM SOLUTION ISOPROPANOL/ WATER BASEBATH

B. EPA Hazardous Waste Code D001 D010 D008 D002 D006

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W203	2.26	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	2.26

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	GENERIC WASTE PROFILE FORM FOR UNUSED CHEMICALS IN THEIR ORIGINAL CONTAINERS THAT ARE SUSPECT RAD CONTAMINATED FROM RADIOLOGICALLY CONTROLLED AREAS THROUGHOUT THE LANL FACILITY.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D008 U154 U161 D006 D002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	2.72	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: ACIDIC WASH FROM GLASSWARE: ORGANIC SOLVENTS			
B. EPA Hazardous Waste Code: D001 D006 D010 F003 D002		C. State Hazardous Waste Code		
D. Source Code: G02 Management Method code for Source code G25	E. Form Code: W203	F. Quantity Generated in 2005: 2.26	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No			
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	2.26

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	MIXTURE OF ETHYL ETHER AND HYDROCHLORIC ACID CONTAINING BARIUM AND CHROMIUM COMPOUNDS. ALSO MAY CONTAIN MIXED FISSION PRODUCTS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 F003 D002 D007	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W219	1.76	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE ELECTROLYTE SOLUTION CONTAINING ACETIC ACID AND PERCHLORIC ACID USED FOR ELECTROPOLISHING STAINLESS STEEL.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D007 D002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W103	0.70	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.70

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE ORGANIC AND INORGANIC CHEMICALS FROM SYNTHESIS EXPERIMENTS

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 F002 F005 F003 D002 D022	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W119	6.80	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	
1	UTD981552177	H040	6.80	

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	IGNITABLE CORROSIVE SOLUTION FROM ANALYTICAL CHEMISTRY

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 F002 D039 D002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G22 Management Method code for Source code G25	W103	3.00	6	1.41 spec.gra

Sec. 2	Was any of this waste managed on-site?	Yes

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005
H129	6.00		

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description 60% METHANOL-REAGENT GRADE-40% 6.25N NAOH SOLUTION. SOLUTION IS USED AS AN ETCHANT ON NEUTRON DETECTORS

B. EPA Hazardous Waste Code D001 D002 F003

C. State Hazardous Waste Code

D. Source Code G04

Management Method code for Source code G25

E. Form Code W110

F. Quantity Generated in 2005 61.68

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	141.52

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description HYDROXYL GROUP DETERMINATIONS OF POLYOLEFINS CONTAINS: ACETIC ANHYDRIDE, PYRIDINE, PHENOLPHTHALEIN INDICATOR, WATER, 1.0N KOH, 0.5 NAOH, AND POLYOLEFINS.

B. EPA Hazardous Waste Code D001 F005 D002

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W203

F. Quantity Generated in 2005 6.80

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	6.80

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE IS BASE BATH CONSISTING OF ETHYL ALCOHOL AND POTASSIUM HYDROXIDE USED FOR CLEANING GLASSWARE.

B. EPA Hazardous Waste Code D001 D002

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G02 Management Method code for Source code G25	W203	22.68	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	22.68

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
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EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE ELECTROLYTE SOLUTION CONTAINING ACETIC ACID AND PERCHLORIC ACID USED FOR ELECTROPOLISHING VARIOUS NON-HAZARDOUS METALS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W101	2.00	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	2.00

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
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EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE CHEMICAL POLISH CONTAINING DIMETHYLFORMAMIDE AND VARIOUS ACIDS USED FOR POLISHING CERIUM.

B. EPA Hazardous Waste Code D001 D002

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W103	256.69	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	256.69

Comments

SITE NAME

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LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	ACID SOLUTION USED TO FOR THE HYDROLYSIS GLYCINE TO GLYCINE IN THE SYNTHESIS OF 15N-LABELED GLYCINE. THE ACID WAS RECOVERED FROM THE REACTION MIXTURE AS THE VOLATILES USING A ROTORY EVAPORATOR.		
	B. EPA Hazardous Waste Code	D001 D002	C. State Hazardous Waste Code	
	D. Source Code G07 Management Method code for Source code G25	E. Form Code W105	F. Quantity Generated in 2005 3.17	G. UOM 3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No			
	ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	3.17

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description RAN SOLUBILITY EXPERIMENTS USING CALCIUM NITRATE AND SODIUM NITRATE IN 5M NITRIC ACID AT TEMPERATURES RANGING FROM 25-40 CELSIUS. NO CHEMICAL REACTION TOOK PLACE.

B. EPA Hazardous Waste Code D001 D002

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W119

F. Quantity Generated in 2005 22.07

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	22.07

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	BASIC (AMMONIUM HYDROXIDE) ETHANOL AND WATER MIXTURES CONTAINING SILICA WITH SMALL AMOUNTS OF SURFACTANTS, ORGANOSILANES, AND POLYMERS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W203	2.26	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?	Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	2.26

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: ALCOHOLS, DESTAIN SOLUTION, COOMASSIE BLUE USED IN STAINING GELS.			
B. EPA Hazardous Waste Code: D001 D002		C. State Hazardous Waste Code		
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W204	F. Quantity Generated in 2005: 29.93	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	29.93

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: UNUSED/UNSPENT GLACIAL ACETIC ACID IN SECONDARY PACKAGING.		
B. EPA Hazardous Waste Code: D001 D002		C. State Hazardous Waste Code	
D. Source Code: G11 Management Method code for Source code G25	E. Form Code: W001	F. Quantity Generated in 2005: 0.90	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.90

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	ORGANIC LIQUID FROM PROCESS EQUIPMENT CHANGE-OUT OR DISCONTINUATION OF EQUIPMENT USE

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G15 Management Method code for Source code G25	W219	0.00	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	3.17

Comments

SITE NAME

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LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: SPENT CONCENTRATED ACID FROM LABORATORY ANALYTICAL WASTES			
B. EPA Hazardous Waste Code: D001 D002		C. State Hazardous Waste Code		
D. Source Code: G22 Management Method code for Source code G25	E. Form Code: W103	F. Quantity Generated in 2005: 7.38	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No			
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	7.38

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE INCLUDES SULFURIC ACID, HYDROGEN PEROXIDE, SODIUM CARBONATE, AND WATER (HYDROGEN PEROXIDE WILL BREAK DOWN IN WATER)

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G22 Management Method code for Source code G25	W105	7.25	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	7.25

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	GENERIC WASTE PROFILE FORM FOR UNUSED CHEMICALS IN THEIR ORIGINAL CONTAINER THAT ARE SUSPECT RAD CONTAMINATED FROM RADIOLOGICALLY CONTROLLED AREAS THROUGHOUT THE LANL FACILITY.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D011 D010 D005 D006 D007 D009 D008 D004 D003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W004	12.69	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments P012 P029 P030 P098 P106 P120 U144

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	METAL SALTS OR CHEMICALS NOT CONTAINING CYANIDES FROM PRODUCT AND BY-PRODUCT PROCESSING

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D008 D011 D003 D005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W316	1.90	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	1.90

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	LAB TRASH WITH METAL OXIDES AND POWDERS FROM SUPERCONDUCTOR SYNTHESIS

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D005 D011 D003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W316	0.90	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.90

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	EXCESS EXPLOSIVES WHICH CONTAIN BARIUM NITRATE AND TNT

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D003 D005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G09 Management Method code for Source code G25	W405	5.90	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	Yes

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005
H129	5.90		

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UNSPENT CHEMICAL IN MANUFACTURER'S ORIGINAL CONTAINER FROM RESEARCH, DEVELOPMENT AND TESTING

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D005 D003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G19 Management Method code for Source code G25	W001	0.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	1.24

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UNSPENT CHEMICAL IN THE MANUFACTURER'S ORIGINAL CONTAINER FROM RESEARCH, DEVELOPMENT AND TESTING. CHROMIUM PERCHLORATE

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D003 D007	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G11 Management Method code for Source code G25	W001	0.00	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	0.22

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description THIS WASTE IS GENERATED IN AN AUTOMATED BIOLOGICAL PROCESS. DNA/RNA SYNTHESIS METHODS PRODUCE WASTES CONTAINING A VARIETY OF ORGANICS, SOME OF WHICH ARE FLAMMABLE.

B. EPA Hazardous Waste Code D001 D003 F003 F002

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G08 Management Method code for Source code G25	W204	18.14	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	18.14

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description BULK SOLVENTS FROM RESEARCH (NONHALOGENATED)

B. EPA Hazardous Waste Code D001 F005 F003 D003

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W203

F. Quantity Generated in 2005 121.56

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	131.09

Comments

SITE NAME

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PO BOX 1663, MS K490
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EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	(ORGANIC SOLVENTS) WASTE GENERATED IN A RESEARCH ENVIRONMENT.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D003 F005 F003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W210	54.88	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	54.88

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
	WASTE DIETHYL ETHER WITH SODIUM CYCLOPENTADIENIDE AND BERYLLIUM CHLORIDE REACTION BY-PRODUCTS FROM THE SYNTHESIS OF BERYLLIUM CYCLOPENTADIENIDE FOR CHEMICAL VAPOR DEPOSITION REACTIONS.	D001 F003 D003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W203	2.72	Density 3 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?
	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		
			Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	2.72

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UNSPENT CHEMICAL IN MANUFACTURER'S ORIGINAL CONTAINER FROM RESEARCH, DEVELOPMENT AND TESTING.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D003 U213	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	0.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	0.79

Comments

SITE NAME

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PO BOX 1663, MS K490
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EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: EMPTY AEROSOL CANS GENERATED THROUGHOUT LANL.		
B. EPA Hazardous Waste Code: D001 D003		C. State Hazardous Waste Code:	
D. Source Code: G06 Management Method code for Source code G25	E. Form Code: W209	F. Quantity Generated in 2005: 13.41	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	NM0000590240	H141	1.96

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description TITANIUM HYDRIDE CONTAMINATED LAB DEBRIS CONTAINING PAPER TOWELS AND PLASTIC.

B. EPA Hazardous Waste Code D001 D003

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W319

F. Quantity Generated in 2005 8.36

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	8.36

Comments

SITE NAME

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PO BOX 1663, MS K490
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description CVD PRECURSOR, 100% SILANE, VERY PYROPHORIC. BEST TO DISPOSE BURN OR INCINATOR WITHOUT OXYGEN. SILANE IS IN A STANDARD LECTURE BOTTLE.

B. EPA Hazardous Waste Code D001 D003

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W801

F. Quantity Generated in 2005 0.01

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	0.01

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	GENERIC WASTE PROFILE FORM FOR UNUSED CHEMICALS IN THEIR ORIGINAL CONTAINER THAT ARE SUSPECT RAD CONTAMINATED FROM RADIOLOGICAL CONTROLLED AREA'S THOUGHOUT THE LANL FACILITY.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	0.45	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WD-40 AEROSOL CAN GENERATED IN LANL, A RADIOLOGICAL CONTROL AREA. THE AEROSOL CAN CONTAINS UNUSED PRODUCT AND HAS FIXED (NONREMOVABLE) SURFACE CONTAMINATION.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W219	0.52	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description UNSPENT CHEMICAL IN THE MANUFACTURERS ORIGINAL CONTAINER FROM RESEARCH, DEVELOPMENT & TESTING NICKEL PERCHLORATE.

B. EPA Hazardous Waste Code D001 D003

C. State Hazardous Waste Code

D. Source Code G19

Management Method code for Source code G25

E. Form Code W001

F. Quantity Generated in 2005 0.00

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	0.90

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: UNUSED/UNSPENT HAFNIUM AND TUNGSTEN METAL POWDERS. POWDERS WERE REMOVED FROM A GLOVEBOX AND ARE NOT AMENABLE TO SURVEY FOR FREE RELEASE PURPOSES. HAFNIUM IS IN A GLASS AMPOULE STORED A HEAVY, METAL, SCREW TOP METAL JAR.

B. EPA Hazardous Waste Code: D001 D003

C. State Hazardous Waste Code:

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G22 Management Method code for Source code G25	W001	6.00	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? No

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description METAL SALTS OR CHEMICALS NOT CONTAINING CYANIDES FROM LABORATORY ANALYTICAL WASTES

B. EPA Hazardous Waste Code D001 D003

C. State Hazardous Waste Code

D. Source Code G22

Management Method code for Source code G25

E. Form Code W316

F. Quantity Generated in 2005 22.22

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	9.07

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE LAB TRASH INCLUDING PAPER WIPES, PAPER, GLASS & CRUCIBLES WITH HAZARDOUS INTERMETALLIC MATERIALS AND OXIDES FROM CHEMICAL SYNTHESIS OPERATIONS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D003 D011 D010 D005 D006 D008 D007 D004	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W319	7.40	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	7.40

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	A MIX OF ELEMENTAL STANDARDS FROM METHOD DEVELOPMENT. NO ORGANICS HAVE EVER BEEN USED IN OUR LAB TO MAKE STANDARDS. WE ARE STRICTLY AN ELEMENTAL ANAYLSIS TEAM.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002 D011 D010 D006 D007 D009 D008 D004	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G22 Management Method code for Source code G25	W113	0.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	0.42

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	SPENT CHEMICAL SOLUTIONS WITH NITRIC ACID, URANIUM, THORIUM, AND TOXIC METALS GENERATED DURING ICP STANDARDS PREPARATION.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002 D011 D006 D007 D009 D008 D004	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G22 Management Method code for Source code G25	W119	0.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	1.19

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: SPENT FERRIC CHLORIDE ETCHANT.		
B. EPA Hazardous Waste Code: D002 D011 D010 D006 D007 D008 D004		C. State Hazardous Waste Code	
D. Source Code: G04 Management Method code for Source code G25	E. Form Code: W105	F. Quantity Generated in 2005: 14,135.92	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	CAD008488025	H010	14,135.92

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: HEAVY METAL NANOPARTICLES MAY OR MAY NOT REMAIN IN SOLUTION DEPENDING UPON THE RATIO OF SOLVENT TO NON-SOLVENT PRESENT IN THE WASTE. ALSO, UNREACTED SALTS, SUCH AS PBO, PB-ACETATE, AND INC13 MAY BE PRESENT WITH PRECIPITATES.

B. EPA Hazardous Waste Code: F002 D022 D001 D010 D029 F003 D009 D004 D008 D006

C. State Hazardous Waste Code:

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W203	4.53	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	4.53

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	A MIX OF ELEMENTAL STANDARDS FROM METHOD DEVELOPMENT. NO ORGANICS HAVE EVER BEEN USED IN OUR LAB TO MAKE STANDARDS. WE ARE STRICTLY AN ELEMENTAL ANALYSIS TEAM.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002 D007 D010 D004	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G22 Management Method code for Source code G25	W119	0.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	0.07

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	THIS WASTE STREAM CONTAINS ARSENIC TRICHLORIDE, METHANOL, WATER AND 6N HYDROCLORIC ACID.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002 D004	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W119	0.90	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.90

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description CELLULOSIC MATERIAL: THE INVESTIGATION-DERIVED WASTE (IDW) GENERATED DURING THE SAMPLING CONSISTS OF PERSONAL PROTECTIVE EQUIPMENT (PPE) AND MATERIALS USED DURING THE DRY-DECONTAMINATION OF SAMPLING EQUIPMENT(E.G.,PAPER TOWELS, NITRILE G

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D008 D009 D004 D005 D006 D007 D010 D011 D012 D027	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
Management Method code for Source code G25 G07	W119	13.60	Density 3 0.00 spec.gra

Sec. 2 Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3 A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? No

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments D030 D031 D032 D033 D034 D036 D037 D038 D042

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	CONCENTRATED HALOGENATED/ NON-HALOGENATED SOLVENT MIXTURE FROM PRODUCTION PROCESSES

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D004 D005 D006 D007 D008 D009 D010 D011 D018 D019	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G09 Management Method code for Source code G25	W204	545.40	1	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments GET WASTE PROFILE INFORMATION

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	CONCENTRATED HALOGENATED/ NON-HALOGENATED SOLVENT MIXTURE FROM LABORATORY ANALYTICAL WASTES

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D004 D005 D006 D007 D008 D009 D010 D011 D018 D019	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G22 Management Method code for Source code G25	W204	7,815.40	1	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments D021 D022 D035 D038 D039 D040 F001 F002 F003 F005

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	GENERIC WPF FOR TRU WASTE PROCESSED UNDER THE TRANSURANIC WASTE CERTIFICATION PROGRAM (TWCP).

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D004 D005 D006 D007 D008 D009 D010 D011 D018 D019	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G22 Management Method code for Source code G25	W319	546.60	1	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments D021 D022 D035 D038 D039 D040 F001 F002 F003 F005 F008 U080

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	PRECIPITATED SOLIDS IN AQUEOUS/ACID SOLUTION. ISOTOPES & ACTIVITIES WILL BE NOTED ON CWDR.(A DISPOSAL PATH FORWARD HAS BEEN DETERMINED AN APPROVED BY SME MANNY GONZALES ON 7/23/01.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002 D005 D006 D007 D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W105	3.17	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	PRECIPITATED SOLIDS IN AQUEOUS/ACID SOLUTION.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002 D005 D006 D007 D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W105	2.54	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	2.54

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: BLACK TAR-LIKE COATING MATERIAL IN METAL PAINT CAN FOUND NEAR LANL "HOLLOW". COATING MATERIAL SEPARATES INTO TWO PHASES UPON STANDING. LANL SAMPLES 02SWRC533 AND 02SWRC534. ASSAIGAI ORDER 020834

B. EPA Hazardous Waste Code: D035 D001 D005 D006 D027

C. State Hazardous Waste Code:

D. Source Code: G06
Management Method code for Source code G25:

E. Form Code: W209

F. Quantity Generated in 2005: 3.85

G. UOM: 3
Density: 0.00
spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type:

Quantity treated, disposed, or recycled on-site in 2005:

ON-SITE PROCESS SYSTEM 2

On-site process system type:

Quantity treated, disposed, or recycled on-site in 2005:

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	3.85

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	MULTILAYERED (ORGANIC/AQUEOUS/SOLID) WASTE CONSISTING PRIMARILY OR ORGANIC SOLVENTS WITH SOME PRECIPITATE FROM INORGAINIC CHEMICAL SYNTHESIS OPERATIONS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D005 D007 D008 D009 D010 D018 D019 D021 D022	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W204	27.21	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	27.21

Comments D038 F002 F003 F005

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	MULTILAYERED (ORGANIC/AQUEOUS/SOLID) WASTE CONSISTING PRIMARILY OF ORGANIC SOLVENTS WITH SOME PRECIPITATE FROM INORGANIC CHEMICAL SYNTHESIS OPERATIONS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D005 D007 D008 D009 D019 D022 F002 F003 F005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W301	0.90	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	0.90

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE LAB TRASH WITH METAL POWDERS AND CUTTING FLUID FROM MECHANICAL ALLOYING OPERATIONS.

B. EPA Hazardous Waste Code D001 D005 D007 D008 D011

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W307	18.14	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	18.14

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: ACIDS USED TO PROCESS AND CLEAN SAMPLES			
B. EPA Hazardous Waste Code: D002 D005 D007 D011		C. State Hazardous Waste Code		
D. Source Code: G02 Management Method code for Source code G25	E. Form Code: W103	F. Quantity Generated in 2005: 3.62	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No			
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	3.62

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
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WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	SODIUM HYDROXIDE BASE BATH WITH TOXIC METALS USED FOR CLEANING LABWARE FROM HIGH TEMPERATURE SUPERCONDUCTOR RESEACH OPERATIONS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002 D005 D008 D010 D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G02 Management Method code for Source code G25	W319	18.14	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	18.14

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE DILUTE HYDROCHLORIC ACID AND NITRIC ACID WITH OXIDES FROM HIGH TEMPERATURE SUPER CONDUCTOR RESEARCH.

B. EPA Hazardous Waste Code D002 D005 D008 D010 D011

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W103	45.51	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	45.51

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
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WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	HIGH EXPLOSIVES CONTAMINATED SLUDGE

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D003 D005 D030 F005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G14 Management Method code for Source code G25	W609	308.20	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	Yes

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005
H129	308.20		

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	HIGH EXPLOSIVES CONTAMINATED COMBUTIBLES

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D003 D005 D030	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G09 Management Method code for Source code G25	W405	1,098.80	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	Yes

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005
H129	1,098.80		

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE INERT MOCK EXPLOSIVES CONTAINING BARIUM NITRATE, NITORCELLULOSE, PLASTICIZERS, BINDERS, AND DYES, CODES 900-10 AND 900-16.

B. EPA Hazardous Waste Code D001 D005

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W319

F. Quantity Generated in 2005 1.36

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	1.36

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE NITRIC ACID, HYDROCHLORIC ACID AND YTTRIUM-BARIUM-COPPER OXIDE.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002 D005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W103	0.17	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.17

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	CONCENTRATED HALOGENATED/ NON-HALOGENATED SOLVENT MIXTURE FROM PRODUCT AND BY-PRODUCT PROCESSING

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D004 D006 D007 D008 D009 D010 D011 D019 D021 D022	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W204	159.00	1	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments D027 D030 D032 D034 D042 F001 F002 F004 F005

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	METAL SALTS OR CHEMICALS NOT CONTAINING CYANIDES FROM PRODUCTION PROCESSES

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D005 D006 D007 D008 D009 D010 D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G09 Management Method code for Source code G25	W316	236.50	1	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments GET WASTE PROFILE INFORMATION

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	INORGANIC SOLIDS FROM LABORATORY ANALYTICAL WASTES

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D005 D006 D007 D008 D009 D010 D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G22 Management Method code for Source code G25	W319	12,229.10	1	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	CORROSIVE SOLUTION WITH ACTINIDE SALTS AND HEAVY METALS FROM EVAPORATIVE OPERATIONS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002 D006 D007 D008 D009	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G09 Management Method code for Source code G25	W119	177.00	6	1.30 spec.gra

Sec. 2	Was any of this waste managed on-site?	Yes

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005
H111	625.00		

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

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PO BOX 1663, MS K490
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: SPENT CONCENTRATED ACID FROM LABORATORY ANALYTICAL WASTES			
B. EPA Hazardous Waste Code: D002 D006 D007 D008 D009		C. State Hazardous Waste Code		
D. Source Code: G22 Management Method code for Source code G25	E. Form Code: W103	F. Quantity Generated in 2005: 150.00	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	150.00

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
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WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE RESIDUAL RCRA METALS FROM SAMPLE PREP INCLUDING SELENIUM, SILVER, CADMIUM, CHROMIUM, ETC.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D005 D006 D007 D008 D010 D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W002	0.50	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	
1	UTD981552177	H040	0.50	

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description USED AND LEFT OVER AEROSOL PAINT CONTAMINATED WITH TRITIUM

B. EPA Hazardous Waste Code D001 D006 D007 D008 D035

C. State Hazardous Waste Code

D. Source Code G11

Management Method code for Source code G25

E. Form Code W209

F. Quantity Generated in 2005 0.00

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	TNR000005397	H141	4.53

Comments

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WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	SPENT CHEMICAL SOLUTIONS WITH ACIDS, TOXIC METALS, AND BERYLLIUM GENERATED DURING ICP STANDARDS PREPARATION AND LAB GLASSWARE CLEANING FOR ICP OPERATIONS IN THE LANL FACILITY.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002 D006 D007 D008	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W103	45.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	45.00

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description GENERAL LAB TRASH (PAPER, GLOVES, PLASTIC, GLASS, ETC.) CONTAMINATED WITH FISSION PRODUCTS; WILL CONTAIN BA, CR AND AG AND CD.

B. EPA Hazardous Waste Code D005 D006 D007 D011

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W319

F. Quantity Generated in 2005 2.72

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	1.81
2	TXD988088464	H111	1.36

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: INORGANIC SOLIDS FROM LABORATORY ANALYTICAL WASTES			
B. EPA Hazardous Waste Code: D005 D006 D007 D011		C. State Hazardous Waste Code		
D. Source Code: G22 Management Method code for Source code G25	E. Form Code: W319	F. Quantity Generated in 2005: 1.81	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No			
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	1.81

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	AQUEOUS SOLUTIONS OF HEAVY METALS GENERATED FOR DEVELOPING POTENTIOMETRIC-SENSORS FOR RADIONUCLIDES.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D005 D006 D008 D009 D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G03 Management Method code for Source code G25	W113	3.62	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

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WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: INORGANIC NANOPARTICLES MAY OR MAY NOT REMAIN IN SOLUTION DEPENDING UPON AMOUNT OF SOLVENT TO NON-SOLVENT PRESENT IN WASTE. ALSO, UNREACTED LEAD CHLORIDE, ZINC CHLORIDE, AND CADMIUM CHLORIDE MAY BE PRESENT WITH PRECIPITATES.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D022 F003 D001 D006 D008 D010 F005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W203	10.43	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	10.43

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
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WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	INORGANIC NANOPARTICLES MAY OR MAY NOT REMAIN IN SOLUTION, USED TO CLEAN SLIDES.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002 D006 D008 D010	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W119	0.45	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.45

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
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WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description ALIPHATIC AMINE, ALIPHATIC CARBOXYLIC ACID, AND OR TRIOCTYLPHOSPHINE OXIDE-CAPPED COBALT NANOPARTICLES (COLLOIDS). CAPPED COBALT NANOPARTICLES OVERCOATED WITH TRIOCTYL PHOSPHINE/TRIOCTYLPHOSPHINE OXIDE-CAPPED CDSE.

B. EPA Hazardous Waste Code
F002 F003 D001 D006 D010 D022 F005

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G11 Management Method code for Source code G25	W204	0.45	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.45

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	TOP/TOPO-CAPPED CDSE AND ZNS/CDSE NANOPARTICLES (COLLOIDS) ARE SOLUBLE IN NONPOLAR SOLVENTS, BUT SUFFICIENT METHANOL MAY BE PRESENT IN THIS WASTE TO PRECIPITATE SOME OF THE INORGANICS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D006 D010 F003 F005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W219	48.53	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	48.53

Comments

SITE NAME

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LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
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WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	CONTAMINATED DEBRIS: PAPER, CLOTHING, RAGS, WOOD, GLASS, PIPING FROM PRODUCT AND BY-PRODUCT PROCESSING

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D006	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W002	40.82	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	40.82

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description A MIX OF ELEMENTAL STANDARDS FROM METHOD DEVELOPMENT. NO ORGANICS HAVE EVER BEEN USED IN OUR LAB TO MAKE STANDARDS. WE ARE STRICTLY AN ELEMENTAL ANALYSIS TEAM.

B. EPA Hazardous Waste Code D006 D007 D008 D010

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W319

F. Quantity Generated in 2005 0.00

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	0.11

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description NON-CHLORINATED ORGANIC SOLVENTS WITH PHOTOLITHOGRAPHIC CHEMICALS USED TO PROCESS AND CLEAN SAMPLES IN CLEAN ROOM OPERATIONS.

B. EPA Hazardous Waste Code D001 D007 D009 D010 D011 F003 F004 F005

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G13	W203	23.58	3
Management Method code for Source code G25			Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H061	9.97
2	UTD981552177	H040	13.60

Comments

SITE NAME

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LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: A SAMPLE OF SANITARY WASTE WATER IS ADDED TO THE CHEMICAL OXYGEN DEMAND (COD) DIGESTION SOLUTION VIAL. AFTER DIGESTION, THE VIAL IS HEATED AND A COD READING IS TAKEN. VIAL IS THEN PLACED IN THE SSA.

B. EPA Hazardous Waste Code: D002 D007 D009 D011

C. State Hazardous Waste Code:

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G22 Management Method code for Source code G25	W103	6.80	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	6.80

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE FROM ANALYSIS FOR CHEMICAL OXYGEN DEMAND. LOW LEVEL MIXED WASTE CONTAINING HG, AG, CR IN STRONGLY ACIDIC SOLUTION.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002 D007 D009 D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G22 Management Method code for Source code G25	W105	4.08	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: WASTE RESULTS FROM SYNTHESIS OF ORGANOMETALLIC COMPOUNDS. PROCESSES INVOLVE INCLUDE DISTILLATION, FILTRATION, REFLUX AND COLUMN CHROMATOGRAPHY. INCLUDES SOLVENTS & REACTION BY-PRODUCTS INSOLBULE OR SOLUBLE IN THE SOLVENTS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D028 F002 D001 D007 D011 D022 F003 F004 F005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G22 Management Method code for Source code G25	W204	26.76	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	26.76

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: HALOGENATED AND NON-HALOGENATED ORGANIC SOLVENTS PRODUCED BY BENCH SCALE LABORATORY R & D CONTAINS PRECURSORS AND REACTION BY PRODUCTS GENERATED DURING SYNTHESIS OF INORGANIC OR/AND ORGANOMETALLIC COMPOUNDS.

B. EPA Hazardous Waste Code: D028 F002 D001 D007 D011 D022 F003 F005

C. State Hazardous Waste Code:

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W204	0.00	Density 3 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	3.62

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE METAL POWDERS AND OXIDES FROM VACUUMING THE METAL SPRAY CHAMBERS FROM COATINGS RESEARCH.

B. EPA Hazardous Waste Code D001 D007 D011

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G06 Management Method code for Source code G25	W316	58.10	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	58.10

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: MIXED WASTE GENERATED FROM GENERAL LABORATORY RESEARCH. WASTE CONSISTS OF SPENT SOLVENTS, ORGANIC EXTRACTANTS, RESINS AND AQUEOUS LIQUIDS.(A DISPOSAL PATHFORWARD HAS BEEN DETERMINED AND APPROVED BY SME AVRIL MILLENSTED ON 9-17-99.

B. EPA Hazardous Waste Code: F002 F003 D001 D007 D019 D022 F005

C. State Hazardous Waste Code:

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G11	W204	1.81	Density 3 0.00 spec.gra

Management Method code for Source code G25:

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? No

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description ORGANIC SOLVENT WASTE GENERATED FROM REACTIONS AND WASHING SOLVENTS AND ORGANIC COMPOUNDS FROM GLASSWARE.

B. EPA Hazardous Waste Code D001 D007 F002 F003 F005

C. State Hazardous Waste Code

D. Source Code G08

Management Method code for Source code G25

E. Form Code W204

F. Quantity Generated in 2005 3.17

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	3.17

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
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WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description CHROMIC ACID(SULFURIC ACID AND POTASSIUM DICHROMATE DILUTE AQUEOUS SOLUTION)

B. EPA Hazardous Waste Code D002 D007

C. State Hazardous Waste Code

D. Source Code G02

Management Method code for Source code G25

E. Form Code W105

F. Quantity Generated in 2005 6.80

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	6.80

Comments

SITE NAME

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PO BOX 1663, MS K490
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U.S. ENVIRONMENTAL PROTECTION AGENCY
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WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description RESIDUAL OXIDE SLURRY FROM STAINLESS STEEL DISSOLUTION PROCESS USING NITRIC ACID AND SODIUM CHLORIDE.

B. EPA Hazardous Waste Code D002 D007

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G04	W105	780.19	3
Management Method code for Source code G25			Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	16.32
2	COD980591184	H141	763.86

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
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WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	RESIDUAL OXIDES SLURRY FROM STAINLESS STEEL DISSOLUTION PROCESS USING NITRIC ACID AND HYDROFLUORIC ACIDS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002 D007	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G04 Management Method code for Source code G25	W119	14.51	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	14.51

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
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WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description NITRIC ACID WITH POTASSIUM DICHROMATE FROM CORROSION STUDY EXPERIMENTS.

B. EPA Hazardous Waste Code D002 D007

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W103

F. Quantity Generated in 2005 0.20

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.20

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
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WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description RESIDUAL OXIDE SLURRY FROM STAINLESS STEEL DISSOLUTION PROCESS USING PHOSPHORIC ACID AND SODIUM PHOSPHATE.

B. EPA Hazardous Waste Code D002 D007

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W105

F. Quantity Generated in 2005 0.79

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.79

Comments

SITE NAME

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EPA ID NO: **NM0890010515**

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WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description CRO3 OXIDATION RXN.

B. EPA Hazardous Waste Code D002 D007

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W119

F. Quantity Generated in 2005 6.35

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	6.35

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description ABSORBENT MATERIALS (RAGS, KIMWIPES, TERITOWELS, Q-TIPS & SPILL SOCKS) CONTAMINATED W/FERRIC CHLORIDE ETCHER, SODIUM HYDROXIDE, HYDROCHLORIC ACID, ETHANOL, AND ANTI-FOAMING AGENT.

B. EPA Hazardous Waste Code D006 D007

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07	W310	487.62	3

Management Method code for Source code G25

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	374.22

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	SODIUM NITRATE ELECTROLYTE SOLUTION FROM STAINLESS STEEL DISSOLUTION PROCESS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D007	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W319	2.26	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	2.26

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE CONSISTS OF DI WATER + 10% CHEM CREST 3'" DETERGENT.~~N~

B. EPA Hazardous Waste Code D002 D007

C. State Hazardous Waste Code

D. Source Code G08

Management Method code for Source code G25

E. Form Code W119

F. Quantity Generated in 2005 0.65

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.65

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	DIPPING VAT THAT CONTAINS RESIDUAL POWDER WITH HEAVY METALS..

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D006 D007	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	
G22 Management Method code for Source code G25	W319	18.14	3 Density	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
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EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description SOLID WASTE INCLUDES MOSTLY INERT MATERIALS SUCH AS PAPER TOWELS, RUBBER STOPPERS, PLASTIC SYRINGES AND NEEDLES, AND GLASS SLIDES.

B. EPA Hazardous Waste Code D006 D008 D009 D010

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07	W319	231.33	3	0.00 spec.gra

Management Method code for Source code G25

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	208.65
2	UTD981552177	H040	22.68

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: OXYGEN CELLS. WASTE IS ENCAPSULATED IN A PLASTIC CASING AND LIQUIDS CANNOT BE REMOVED FROM THIS CARCASS. (A DISPOSAL PATH FORWARD HAS BEEN DETERMINED AND APPROVED BY ANNE WHITE ON 4/27/99.

B. EPA Hazardous Waste Code: D002 D008 D009 D011

C. State Hazardous Waste Code:

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G15	W110	3.62	Density 3 0.00 spec.gra

Management Method code for Source code G25:

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? No

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description BENZENE, ETHYL ACETATE, SODIUM SULFATE, METHANOL MERCURY DICHLORIDE, SODIUM CHLORIDE + WATER.

B. EPA Hazardous Waste Code D001 D008 D009 F003 F005

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W119

F. Quantity Generated in 2005 0.90

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.90

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE LAB TRASH CONTAMINATED WITH METALS FROM CHEMCAL SYNTHESIS OPERATIONS.

B. EPA Hazardous Waste Code D007 D008 D009

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W319	4.53	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	4.53

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: VACUUM PUMP OIL FROM VACUUM SYSTEM AT LANL.		
B. EPA Hazardous Waste Code: D006 D008 D009		C. State Hazardous Waste Code	
D. Source Code: G16 Management Method code for Source code G25	E. Form Code: W206	F. Quantity Generated in 2005: 0.00	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	TNR000005397	H141	4.53

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE LAB TRASH CONTAMINATED WITH OXIDES, OIL, AND SOLVENTS FROM HIGH TEMPERATURE SUPERCONDUCTOR RESEARCH.

B. EPA Hazardous Waste Code D005 D008 D010 D011

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W316

F. Quantity Generated in 2005 6.80

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	6.80

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	BUEHLER ISOCUT FLUID WITH TOXIC METALS FROM CUTTING HIGH TEMPERATURE SUPERCONDUCTOR SAMPLES.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D005 D008 D010 D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W319	4.53	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	4.53

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: INORGANIC NANOPARTICLES MAY OR MAY NOT REMAIN IN SOLUTION DEPENDING UPON AMOUNT OF SOLVENT TO NON-SOLVENT PRESENT IN WASTE. ALSO, UNREACTED PBCL2 AND INCL3 (LEAD CHLORIDE AND INDIUM TRICHLORIDE) MAY BE PRESENT WITH PRECIPITATES.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
F005 D001 D008 D010 F003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W204	34.47	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	34.47

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE IS ORGANICS (TRIOCTYL PHOSPHINE, OLEIC ACID, METHANOL, HEXANE, DIPHENYLETHER N-BUTANOL, ACETONE, THIOL PHENOL) AND INORGANICS (LEAD, SELENIUM), FROM R&D.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D008 D010 F003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W203	1.36	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?	Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	1.36

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE OIL FROM OIL CHANGES AND FILTER OR BATTERY REPLACEMENT

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D006 D008 D040	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G16 Management Method code for Source code G25	W206	163.29	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: LEAD AND DU(DEPLETED URANIUM) CONTAMINATED DEBRIS INCLUDING PPE, GLOVES, BOOTIES, PLASTIC, TAPE, AND CELLULOSICS. WASTE CONTAINS NO FREE LIQUID. WASTE GENERATED DURING HANDLING AND PACKAGING OF EXCESS LEAD FOR RECYCLING.

B. EPA Hazardous Waste Code: D007 D008

C. State Hazardous Waste Code:

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07	W002	0.00	Density 3 0.00

Management Method code for Source code G25

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	22.68

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description LEAD CONTAMINATED WASTE GENERATED WHILE REMOVING LEAD OXIDATION FROM SHIELDING BRICKS. THESE LEAD SHIELDING BRICKS ARE NEW AND CONTAIN NO RADIOLOGICAL HAZARDS.

B. EPA Hazardous Waste Code D006 D008

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W002

F. Quantity Generated in 2005 3.17

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	3.17

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE ACID BATH FROM CLEANING LABORATORY GLASSWARE FROM CHEMICAL SYNTHESIS OPERATIONS.

B. EPA Hazardous Waste Code D002 D008

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W105	18.14	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	18.14

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WATER USED AS A CUTTING FLUID FOR CUTTING REFRACTORY BRICK AND OTHER METALS AND CONTAINS PARTICLES OF THE MATERIALS CUT.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D007 D008	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W113	4.10	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	4.10

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: WASTE (FREON DEGRADER) GENERATED AS PART OF A TREATABILITY STUDY, U-235 SAMPLES CONTAINING TC-99 WERE DISSOLVED IN NITRIC ACID, THE HEU PRECIPITATED WITH H202, THE FILTRATE THEN TREATED WITH KOG TO PH10.

B. EPA Hazardous Waste Code: D007 D008

C. State Hazardous Waste Code:

D. Source Code: G07

Management Method code for Source code G25:

E. Form Code: W319

F. Quantity Generated in 2005: 58.51

G. UOM: 3

Density: 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type:

Quantity treated, disposed, or recycled on-site in 2005:

ON-SITE PROCESS SYSTEM 2

On-site process system type:

Quantity treated, disposed, or recycled on-site in 2005:

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? No

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description BEAD BLAST MEDIA USED FOR CLEANING METALS IN MATERIALS FABRICATION OPERATIONS.

B. EPA Hazardous Waste Code D006 D008

C. State Hazardous Waste Code

D. Source Code G09

Management Method code for Source code G25

E. Form Code W319

F. Quantity Generated in 2005 67.30

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	67.30

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	EXCESS HE CONTAIN LEAD.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D003 D008	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G09 Management Method code for Source code G25	W405	36.20	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	Yes

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005
H129	36.20		

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE IS MIXTURE OF VARIOUS OXIDES FROM R&D SAMPLES NO LONGER NEEDED.

B. EPA Hazardous Waste Code D005 D008

C. State Hazardous Waste Code

D. Source Code G11

Management Method code for Source code G25

E. Form Code W319

F. Quantity Generated in 2005 0.60

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.60

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: THIS WASTE CONSISTS OF MISCELLANEOUS ELECTRONIC AND ELECTRICAL COMPONENTS INCLUDING CIRCUIT BOARDS, SWITCHES, HARD DRIVES, NON-OILED FILLED CAPACITORS, TRANSFORMERS, MOTORS, HARD DRIVES, FLOPPY DISK DRIVES, ETC

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D006 D008	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G15 Management Method code for Source code G25	W320	1,767.22	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD982598898	H131	1,668.79

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	CONTAMINATED DEBRIS: PAPER, CLOTHING, RAGS, WOOD, GLASS, PIPING FROM CLEANUP OF SPILL RESIDUES

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D007 D008	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G32 Management Method code for Source code G25	W002	7.46	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	7.46

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description RETURNED SAMPLES FROM PRS #14-003. ORIGINAL WASTE WAS DOCUMENTED ON WPF # 26988, 26989 & 26997.

B. EPA Hazardous Waste Code D005 D008

C. State Hazardous Waste Code

D. Source Code G42

Management Method code for Source code G25

E. Form Code W301

F. Quantity Generated in 2005 0.00

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	0.90

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE AQUEOUS SOLUTION FROM MECHANICALLY POLISHING HIGH TEMPERATURE SUPERCONDUCTOR SAMPLES.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D008 D009 D010 D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G08 Management Method code for Source code G25	W101	52.70	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	52.70

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description CONCENTRATED NON-HALOGENATED SOLVENT FROM LABORATORY ANALYTICAL WASTES

B. EPA Hazardous Waste Code D001 D009 D010 F002 F003 F005

C. State Hazardous Waste Code

D. Source Code G22

Management Method code for Source code G25

E. Form Code W203

F. Quantity Generated in 2005 0.00

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	2.03

Comments

SITE NAME

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LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	GLASS WITH HG, AG + PB. BARCODE # : 2261735

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D008 D009 D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G11 Management Method code for Source code G25	W319	7.25	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

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PO BOX 1663, MS K490
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EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: CONCENTRATED NON-HALOGENATED SOLVENT FROM PRODUCT AND BY-PRODUCT PROCESSING		
B. EPA Hazardous Waste Code: D001 D009 F003		C. State Hazardous Waste Code	
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W203	F. Quantity Generated in 2005: 0.45	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.45

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description ACID WASTE WITH SULFURIC ACID NITRIC ACID, HYDROCHLORIC ACID, SODIUM HYDROXIDE, POTASSIUM HYDROXIDE & MERCURIC SULFATE.

B. EPA Hazardous Waste Code D002 D009

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W103	18.14	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	18.14

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	LAB PACKS WITH NO ACUTE HAZARDOUS WASTE FROM DISCARDING OFF-SPECIFICATION/OUT-OF-DATE CHEMICALS/PRODUCTS

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D007 D009	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	0.45	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.45

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	MERCURY LAMPS REMOVED FROM RADIOLIGICALLY CONTROLLED AREAS THAT CANNOT BE DECONTAMINATED.(A DISPOSAL PATHFORWARD HAS BEEN DETERMINED AND APPROVED BY SME CHRIS DUY ON 4/12/00.		
B. EPA Hazardous Waste Code	D008 D009	C. State Hazardous Waste Code		
D. Source Code G11 Management Method code for Source code G25	E. Form Code W319	F. Quantity Generated in 2005 0.98	G. UOM 3 Density 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site?	No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description LAB TRASH W/ SILVER PAINT, EPOXY, & SOLDER. ALSO CONTAINS SELENIUM, CADMIUM.

B. EPA Hazardous Waste Code D006 D010 D011

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W002	5.00	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	5.00

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description ORGANIC SOLVENT WASTE GENERATED FROM REACTIONS AND WASHING ORGANIC COMPOUNDS FROM GLASSWARE.

B. EPA Hazardous Waste Code D001 D010 D022 F002 F003 F005

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W203	22.22	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	25.40

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	HEXANE/ETOAC, THIS SOLVENT SYSTEM WAS USED IN CHROMATOGRAPHY FOR THE PURIFICATION OF FINAL PRODUCTS. ETHYL ACETATE WAS ALSO USED FOR EXTRACTION OF CHEMICAL REACTION.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D010 F003 F005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G22 Management Method code for Source code G25	W203	19.05	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	19.05

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: SPENT LASER DYE IN A METHANOL AND WATER SOLUTION. DYE MAY BE COUMARIN 450, COUMARIN 504, COUMARIN 510 (OR CHEMICAL EQUIVALENTS) ALONE OR IN COMBINATION. LANL SAMPLE NUMBERS 03SWRC089-094, ASSAIGAI ORDER 0302415. LASER DYE NO. 2.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D010 F003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W202	2.99	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	2.99

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: SPENT LASER DYE IN A METHANOL AND WATER SOLUTION. DYE MAY BE COUMARIN 450, COUMARIN 504, COUMARIN 510 (OR CHEMICAL EQUIVALENTS) ALONE OR IN COMBINATION. LANL SAMPLE NUMBERS 03SWRC082-088, ASSAIGAI ORDER 0302416. LASER DYE NO. 1.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D010 F003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W203	5.98	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	5.98

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description HALOGENATED AND NON-HALOGENATED ORGANIC SOLVENTS PRODUCED BY BENCH SCALE LABORATORY RESEARCH. WASTE CONTAINS PRECURSORS AND REACTION - BY - PRODUCTS GENERATED DURING SYNTHESES.

B. EPA Hazardous Waste Code D001 D011 D022 D028 F003 F005

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W119

F. Quantity Generated in 2005 18.14

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	18.14

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
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EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description GENERAL COMPACTABLE LAB TRASH FROM LABORATORY R&D.

B. EPA Hazardous Waste Code D007 D011 D036 F005 F002 D022

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W319

F. Quantity Generated in 2005 101.60

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	6.80
2	COD980591184	H141	75.75
3	UTD981552177	H040	25.85

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: WASTE RESULTS FROM SYNTHESIS OF ORGANOMETALLIC COMPOUNDS. PROCESSES INVOLVED INCLUDE DISTILLATION, FILTRATION, REFLUX AND COLUMN CHROMATOGRAPHY. INCLUDES SOLVENTS AND REACTION BY-PRODUCTS INSOLUBLE OR SOLUBLE IN THE SOLVENTS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
F005 F003 D001 D022 D011 F002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W204	9.07	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	9.07

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	CHLOROFORM AND ORGANIC SOLVENTS WITH SILVER FROM METALLIC NANOPARTICLE CHEMICAL SYNTHESIS OPERATIONS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D011 F003 D022	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W203	3.62	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	3.62

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	METAL CONTAINING HALOGENATED ORGANIC WASTE. THIS WASTE CONTAINS BOTH HALOGENATED AND NON-HALOGENATED COMPOUNDS AND METALS RESULTING FROM CHEMICAL SYNTHESIS AND CLEANING.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D011 F002 F005 F003 F001	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W204	67.58	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	67.58

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: GENERAL LAB TRASH FROM SAMPLE PREPARATION AND EQUIPMENT MAINTENANCE THAT IS CONTAMINATED WITH SOLVENTS, DEGREASERS, EPOXIES, VARNISH, TOXICITY CHARACTERISTIC METALS, AND ACID FLUXES FROM HIGH MAGNETIC FIELD RESEARCH OPERATIONS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D008 F002 D011 F005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W002	52.16	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	52.16

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: GENERAL LAB TRASH FROM SAMPLE PREP & EQUIPMENT MAINTNANCE THAT IS CONTAMINATED WITH SOLVENTS, DEGREASERS, EPOXIES, FOAM, SHARPS, VARNISH, HAZ METALS AND ACID FLUXES FROM HIGH MAGNETIC FIELD RESEARCH OPERATIONS. (REPLACES WPF 34412).

B. EPA Hazardous Waste Code: D008 F005 F002 D011

C. State Hazardous Waste Code:

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W204	29.48	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	29.48

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: INORGANIC SOLIDS FROM PRODUCT AND BY-PRODUCT PROCESSING		
B. EPA Hazardous Waste Code: D008 F002 D011 F005		C. State Hazardous Waste Code	
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W319	F. Quantity Generated in 2005: 18.14	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	18.14

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: GENERAL LAB TRASH CONTAMINATED WITH SOLVENTS, STRIP-X(METHYLENE CHLORIDE), NON-PCB VACUUM PUMP OIL, AND GLASS AND METALS FROM SOLDERING OPERATIONS AND SAMPLE CLEANING AND PREPARATION FOR CRYOGENIC ELECTRICAL TRANSPORT RESEARCH.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D008 F005 F002 D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W409	1.80	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	1.80

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE ORGANIC SOLVENTS USED FOR CLEANING, DEGREASING, AND REMOVING SILVER PAINT FROM METALLOGRAPHIC SAMPLES.

B. EPA Hazardous Waste Code D001 F003 D011 F005

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W203

F. Quantity Generated in 2005 19.20

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	19.20

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	HETEROGENEOUS WASTE: AQUEOUS SALTS, ORGANICS, AND SUSPENDED SOLIDS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D007 D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W101	3.62	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	
1	UTD981552177	H040	3.62	

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	FERRIC CHLORIDE IN WATER WITH SMALL AMOUNTS OF COPPER, NICKEL, SILVER.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002 D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W105	7.71	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	7.71

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	SILVER, HYDROGEN PEROXIDE,AMMONIUM HYDROXIDE AND WATER GENERATED FROM ETCHING PROCESS. HYDROGEN PEROXIDES "USED UP" IN PROCESS AND IS NO LONGER REACTIVE WHEN IT BECOMES WAS

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002 D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W110	1.36	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	1.36

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: AQUEOUS WASTE FROM PRODUCT AND BY-PRODUCT PROCESSING		
B. EPA Hazardous Waste Code: D001 D011		C. State Hazardous Waste Code:	
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W113	F. Quantity Generated in 2005: 0.87	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.87

Comments

SITE NAME
U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: SILVER STAINING AND GEL STAINING OF PROTEIN GELS (ACRYLAMIDE)		
B. EPA Hazardous Waste Code: D001 D011		C. State Hazardous Waste Code	
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W203	F. Quantity Generated in 2005: 5.44	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	5.44

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE LAB TRASH CONTAMINATED WITH MERCURY FROM PROCESSING SILVER TAPES.

B. EPA Hazardous Waste Code D009 D011

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W316

F. Quantity Generated in 2005 2.26

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	2.26

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	LAB TRASH CONTAMINATED WITH ACETONE, METHANOL, ISOPROPANOL, ETHANOL, YTTRIUM-BARIUM-COPPER-OXIDE, NICKEL, AND SILVER FROM SAMPLE PREPARATION OPERATIONS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D005 D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W316	3.80	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?	Yes	
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	3.80

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE IS VACUUM CLEANER BAGS CONTAINING VARIOUS METAL OXIDES FROM CLEANING PROCESS CHAMBER.

B. EPA Hazardous Waste Code D005 D011

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W319

F. Quantity Generated in 2005 15.08

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	15.08

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: SOLID WASTE GENERATED DURING SYNTHESIS AND PURIFICATION OF TRANSITION METAL CONFLEXES (INORGANIC/ORGANOMETALLIC COMPOUNDS). CONSTITUTED MOSTLY BY DISPOSABLE VIALS, PIPETTES, KIMWIPES, ETC.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D009 D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W319	36.28	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	36.28

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: USED PHOTOGRAPHIC FIXER.		
B. EPA Hazardous Waste Code: D010 D011		C. State Hazardous Waste Code	
D. Source Code: G08 Management Method code for Source code G25	E. Form Code: W101	F. Quantity Generated in 2005: 58.06	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	58.06

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	COMBUSTION TUBE FOR ELEMENTAL ANALYZER CONVERTS ORGANIC SOLIDS TO GASES FOR ANALYSIS. TUBE CONTAINS CHROMIUM OXIDE, SILVERED COBALTROUS/COBALTRIC OXIDE, AND QUARTZ WOOL.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D007 D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W319	2.75	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	2.75

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description CONTAMINATED EQUIPMENT INCLUDING COMPUTERS AND MONITORS.

B. EPA Hazardous Waste Code D008 D011

C. State Hazardous Waste Code

D. Source Code G15

Management Method code for Source code G25

E. Form Code W319

F. Quantity Generated in 2005 90.72

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD982598898	H131	54.43
2	COD980591184	H141	90.72

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	CORROSIVE SPENT SOLUTION CONTAINING SILVER PERCHLORATE FROM RESEARCH AND DEVELOPMENT ACTIVITIES.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002 D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G19 Management Method code for Source code G25	W103	1.00	6 Density 1.19 spec.gra

Sec. 2	Was any of this waste managed on-site?	Yes

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005
H121	2.00		

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	2-PROPANOL THAT IS POTENTIALLY REACTIVE WITH A PEROXIDE CONCENTRATION OF APPROXIMATELY 200PPM GENERATED FROM REASEARCH AND DEVELOPMENT ACTIVITIES.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D003 D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G19 Management Method code for Source code G25	W203	0.30	6	0.79 spec.gra

Sec. 2	Was any of this waste managed on-site?	Yes

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005
H111	0.50		

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME
U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: PROCESS WASTE-INORGANIC/ORGANIC CHEMICALS IN USED PUMP OIL		
B. EPA Hazardous Waste Code: D008 D021 D018 D027 D032 D036 D042 D038 D033 D030		C. State Hazardous Waste Code	
D. Source Code: G16 Management Method code for Source code G25	E. Form Code: W206	F. Quantity Generated in 2005: 15.42	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	TNR000005397	H141	15.42

Comments D043

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: SOLID WASTE ASSOCIATED WITH SYNTHESIS AND PURIFICATION OF TRANSITION METAL COMPLEXES (MOSTLY VIALS, PIPETTES, KIMWIPES, ETC.) MAY BE ASSOCIATED WITH SMALL AMOUNTS OF ORGANIC LIQUIDS ESPECIALLY ACETONE.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D022 D011 D018 D028 D038	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W002	11.79	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	9.97
2	UTD981552177	H040	1.81

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	METAL SCALE, FILINGS AND SCRAP (INCLUDING METAL DRUMS) FROM PRODUCT AND BY-PRODUCT PROCESSING

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D008 D028 D018	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W307	95.50	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD982598898	H131	151.00

Comments

SITE NAME

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LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	FACILITY GENERATED USED OIL DRAINED FROM PROCESS EQUIPMENT LOCATED INSIDE LANL, A RADIOLOGICAL CONTROL AREA.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D008 D018 D028	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G16 Management Method code for Source code G25	W206	191.70	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE CONSISTS OF UNLEADED GASOLINE WITH 4% OF 2 CYCLE OIL.

B. EPA Hazardous Waste Code D001 D018

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W211

F. Quantity Generated in 2005 1.13

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	1.13

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description GASOLINE FROM DISPENSER SPILLED INTO SECONDARY CONTAINMENT THAT CONTAINED SNOW. SNOW AND GAS WAS CONTAINERIZED FOR DISPOSAL. WASTE IS A MIXTURE OF GASOLINE AND WATER.

B. EPA Hazardous Waste Code D001 D018

C. State Hazardous Waste Code

D. Source Code G32

Management Method code for Source code G25

E. Form Code W113

F. Quantity Generated in 2005 18.14

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	18.14

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: PCB DEBRIS FROM PARENT PCB ID# 3100. (WPF FOR THE PCB OIL IS 37712). ABSORBED OIL FROM TESTING EQUIPMENT MAKES UP 1% OF PCB DEBRIS. THE REST OF THE DEBRIS CONSISTS OF RUBBER GLOVES, BROKEN GLASS, PAPER AND PLASTIC.

B. EPA Hazardous Waste Code: D030 D033 D018 D019 D021 D028 D034 D032 D029 D027

C. State Hazardous Waste Code:

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07	W319	28.12	Density 3 0.00

Management Method code for Source code G25

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	TNR000005397	H141	28.12

Comments D036 D037 D038 D039 D040 D041 D042 D043

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	PCB OIL REMOVED FROM ELECTRICAL EQUIPMENT.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D018 D021 D028 D030 D034 D033 D032 D029 D027 D019	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G16 Management Method code for Source code G25	W219	560.64	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	TNR000005397	H141	560.64

Comments D036 D037 D038 D039 D040 D041 D042 D043

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: WASTE RESULTS FROM SYNTHESIS OF ORGANOMETALLIC AND ORGANIC COMPOUNDS. PROCESSES INCLUDE DISTILLATION, FILTRATION, REFLUX AND COLUMN CHROMATOGRAPHY. WASTE INCLUDES SOLVENTS AND REACTION BY-PRODUCTS INSOLUBLE OR SOLUBLE IN THE SOLVENTS.

B. EPA Hazardous Waste Code: D025 D019 D001 D028 F005 F003 D022

C. State Hazardous Waste Code:

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 (Management Method code for Source code G25)	W203	123.37	Density 3: 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	123.37

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE SOLVENTS OIL, AND WATER FROM CHEMICAL SYNTHESIS RESEARCH OPERATIONS

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 F002 F005 F003 D022 D019	

D. Source Code / Management Method code for Source code G25	E. Form Code	F. Quantity Generated in 2005	G. UOM / Density
G07	W113	97.52	3 / 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?	Yes	
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	97.52

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE ORGANIC SOLVENTS FROM CHEMICAL SYNTHESIS RESEARCH OPERATIONS.

B. EPA Hazardous Waste Code D001 D019 F002 F005 F003 D022

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W204

F. Quantity Generated in 2005 97.97

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	7.25
2	COD980591184	H141	90.72

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description SOLVENTS CONTAINING METAL POWDERS, METAL OXIDE POWDERS AND POLYMER. WASTE WILL GO TO CRWSS.

B. EPA Hazardous Waste Code D001 F002 D019 F003 F005

C. State Hazardous Waste Code

D. Source Code G22

Management Method code for Source code G25

E. Form Code W204

F. Quantity Generated in 2005 0.00

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	3.62

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE GENERATED FROM ORGANIC AND INORGANIC SYNTHESIS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 F003 F005 F002 D022 D028	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W204	47.17	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	47.17

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	HALOGENATED SOLVENTS USED IN SYNTHESIS OF COORDINATION COMPOUNDS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D028 F003 F005 F002 D022	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G08 Management Method code for Source code G25	W202	0.28	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.28

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description THIS SOLID LABORATORY TRASH DERIVED FROM THE SYNTHESIS AND PURIFICATION OF ORGANIC AND INORGANIC COMPLEXES.

B. EPA Hazardous Waste Code D001 D022 D028 F005 F003

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W002	22.68	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	22.68

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE NON-PCB VACUUM PUMP OIL CONTAMINATED WITH ORGANICS FROM CHEMICAL SYNTHESIS OPERATIONS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D003 D022 D038	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G16 Management Method code for Source code G25	W206	22.68	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	22.68

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
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EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	SOLVENTS FROM ROUTINE CHEMICAL SYNTHESIS, LABELING BIOLOGICAL REAGENTS WITH FLUORESCENT MOLECULES, AND THIN FILM PREPARATION.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D022 F002 F005 F003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W204	82.10	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?	Yes	
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	82.10

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
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LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description CHLORINATED SOLVENT WASTE CONTAINING, TRICHLOROETHYLENE, METHYLENE CHLORIDE, TRIETHYLAMINE, CHLOROFORM, CARBON TETRACHLORIDE, TOLUENE, AND OTHER CONSTITUENTS, AND WATER AS A SECOND LAYER, WITH (1% OILS.

B. EPA Hazardous Waste Code D019 D022 F005 F002

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W204	16.32	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	16.32

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description SOLID WASTE GENERATED BY SYNTHESIS AND CLEANING PROCESS INVOLVING ORGANIC AND ORGANOMETALLIC PROCEDURES.

B. EPA Hazardous Waste Code D011 D022 F005 F002

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W204

F. Quantity Generated in 2005 22.68

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	11.34
2	UTD981552177	H040	15.87

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description SOLID WASTE GENERATED BY SYNTHESIS AND CLEANING PROCESS INVOLVING ORGANIC & ORGANOMETALLIC PROCEDURE.

B. EPA Hazardous Waste Code D011 D022 F005 F002

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W319

F. Quantity Generated in 2005 172.36

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	127.00
2	UTD981552177	H040	45.36

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	LAB TRASH INCLUDING SHARPS CONTAMINATED WITH TOXIC AND CHLORINATED SOLVENTS GENERATED BY SYNTHETIC POLYMER CHEMISTRY RESEARCH AND DEVELOPMENT.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D019 D022 F005 F002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W409	8.84	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?	Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	5.44
2	UTD981552177	H040	3.40

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: ACIDIC AQUEOUS WASTES LESS THAN 5% ACID FROM PRODUCT AND BY-PRODUCT PROCESSING			
B. EPA Hazardous Waste Code: D002 D022 F002		C. State Hazardous Waste Code		
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W105	F. Quantity Generated in 2005: 5.89	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No			
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	5.89

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: THIS WASTE IS A COMBINATION OF PROCESS WASTE AND ROUTINE HOUSEKEEPING WASTE. SOME OF THE CONSTITUENTS OF THIS WASTE FORMED PRECIPITATES BEFORE THEY WERE POURED IN THE WASTE CONTAINER.

B. EPA Hazardous Waste Code: D001 D022 F003 F005

C. State Hazardous Waste Code:

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07	W204	18.14	3

Management Method code for Source code G25

Density: 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	18.14

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: PRIMARY ORGANIC (NON-AQUEOUS WASTE): TOLUENE, ACETONE, HEXADECANE, CHLOROFORM, OCTADECYLTRICHLOSILANE (AND SOME SUSPENDED SOLID FROM CONDENSATION OF SILANE), C60 (FULLERENE), ETHANOL

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 F005 D022 F003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W219	7.25	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	7.25

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description PHENOL/CHLOROFORM/ISOPENTANOL =25:24:1 IS USED TO EXTRACT PROTEINS FROM AQUEOUS SOLUTIONS, IN VERY SMALL VOLUMES (100-500 ML).

B. EPA Hazardous Waste Code D001 D022

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W113

F. Quantity Generated in 2005 0.45

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.45

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description AQUEOUS LAYER FROM PHENOL CHLOROFORM EXTRACTION OF NUCLEIC ACIDS.

B. EPA Hazardous Waste Code D001 D022

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W119	6.80	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	6.80

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description ORPHAN 55 AND 30 GALLON METAL CONTAINERS STORING LOW LEVEL RADIOACTIVE MIXTURE OF HYDRAULIC OIL & WATER.

B. EPA Hazardous Waste Code D015 D033 D043 D042 D038 D036 D034 D032 D027 D030

C. State Hazardous Waste Code

D. Source Code G16

Management Method code for Source code G25

E. Form Code W206

F. Quantity Generated in 2005 0.00

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	283.50

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	HALOGENATED AND NONHALOGENATED ORGANICS RESULTING FROM INORGANIC, ORGANOMETALLIC, AND ORGANIC SYNTHETIC PROCESSES.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 F002 F003 D027 F005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W204	11.34	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	11.34

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: LIQUID SCINTILLATION COCKTAIL VIALS OF ULTIMA GOLD AND ULTIMA -FLO AF CONTAMINATED WITH STTP RESIDUES. (A DISPOSAL PATH FORWARD HAS BEEN DETERMINED AND APPROVED BY MANNY GONZALES ON 12/15/00.

B. EPA Hazardous Waste Code: D028 D008 F002 F005 F001

C. State Hazardous Waste Code:

D. Source Code: G22

Management Method code for Source code G25: W203

E. Form Code:

F. Quantity Generated in 2005: 0.17

G. UOM: 3

Density: 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type:

Quantity treated, disposed, or recycled on-site in 2005:

ON-SITE PROCESS SYSTEM 2

On-site process system type:

Quantity treated, disposed, or recycled on-site in 2005:

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? No

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	SOLVENTS FROM HPLC ANALYSIS OF HIGH EXPLOSIVES.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D028 F003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W203	0.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	36.28

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description Q-SWITCH DYE #5/1,2-DICHLOROETHANE 10MG/50ML KNOWLEDGE OF PROCESS; Q-SWITCH DYE #1/1,2-DICHLOROETHANE 10MG/50ML KNOWLEDGE OF PROCESS. FROM SPECTROSCOPY.

B. EPA Hazardous Waste Code D001 D028

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W202

F. Quantity Generated in 2005 0.00

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.90

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: 5G OF ESTANE IS DISSOLVED IN 30 ML OF 1,2-DICHLOROETHANE. A VERY SMALL QUANTITY (1ML) OF 50/50 BIS-2,2-DINITROPROLYLACETYL/FORMYL WAS ADDED. THE SOLVENT WAS EVAPORATED OFF IN A HOOD.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D028	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W219	0.11	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.11

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: SOLVENTS USED TO DILUTE HIGH EXPLOSIVE SAMPLES OR INERT SAMPLES. SOLVENTS USED AS MOBILE PHASE FOR HIGH EXPLOSIVE ANALYSIS, ON THE HIGH PRESSURE LIQUID CHROMATOGRAPHY INSTRUMENT. HIGH EXPLOSIVE SAMPLES WILL BE IN SOLUTION.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D036 D030 F003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G22 Management Method code for Source code G25	W203	0.90	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.90

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: CLEANING SOLUTION CONSISTING OF ACETONITRILE AND METHANOL FOR SYRINGE. SYRINGE IS USED TO ADMINISTER ORGANIC STANDARDS TO A GAS CHROMATOGRAPHY. SYRINGE MUST BE RINSED SEVERAL TIMES WITH SOLUTION.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 F003 D030	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G22 Management Method code for Source code G25	W219	3.62	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	3.62

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	LABORATORY DEBRIS CONTAMINATED WITH HE FROM PRODUCTION ACTIVITIES.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D003 D030	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G09 Management Method code for Source code G25	W002	1.40	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	Yes

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005
H129	1.40		

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: EXCESS EXPLOSIVES.			
B. EPA Hazardous Waste Code: D003 D030		C. State Hazardous Waste Code		
D. Source Code: G09 Management Method code for Source code G25	E. Form Code: W405	F. Quantity Generated in 2005: 0.50	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? Yes			
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	
H129	0.50			

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? No		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description SPENT ENVIRO SOLUTION USED TO DECON ELECTRICAL EQUIPMENT (PAREN PCB ID#3100). PARENT PCB CONCENTRATION IS 360,000 PPM.

B. EPA Hazardous Waste Code D027 D032 D033 D042 D043

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W119

F. Quantity Generated in 2005 177.81

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	TNR000005397	H141	177.81

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	PAINT THINNER OR PETROLEUM DISTILLATES FROM PRODUCT AND BY-PRODUCT PROCESSING

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D036 F005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W211	269.89	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	
1	COD980591184	H061	240.40	

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description USED OIL- DID NOT PASS HALOGEN TEST.

B. EPA Hazardous Waste Code D018 D038

C. State Hazardous Waste Code

D. Source Code G16

Management Method code for Source code G25

E. Form Code W206

F. Quantity Generated in 2005 6.35

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	6.35

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: USED OIL GENERATED FROM PM ACTIVITIES ON REFRIGERATION UNITS THOUGHOUT LANL			
B. EPA Hazardous Waste Code: D018 D039		C. State Hazardous Waste Code		
D. Source Code: G16 Management Method code for Source code G25	E. Form Code: W206	F. Quantity Generated in 2005: 317.52	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No			
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	317.52

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE IS STORMWATER FROM SECONDARY CONTAINMENT, CONTAMINATED WHEN DRUM OF AEROSOL-CAN-PUNCTURING-UNIT WASTE LEAKED INTO THE SECONDARY.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 D039	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G33 Management Method code for Source code G25	W101	349.27	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	349.27

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: DRY LAB TRASH CONSISTING OF GLASS, PLASTIC, GLOVES, PAPER, TEFLON COATED FORCEPS, TEFLON FORCEPS, FOIL, ETC. CONTAMINATED WITH (2% BERYLLIUM, CHLORINATED SOLVENTS, ETHANOL, AND (1% APIEZON.

B. EPA Hazardous Waste Code: D019 D040

C. State Hazardous Waste Code:

D. Source Code: G07

Management Method code for Source code G25: W409

E. Form Code:

F. Quantity Generated in 2005: 9.07

G. UOM: 3

Density: 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site?: No

ON-SITE PROCESS SYSTEM 1

On-site process system type:

Quantity treated, disposed, or recycled on-site in 2005:

ON-SITE PROCESS SYSTEM 2

On-site process system type:

Quantity treated, disposed, or recycled on-site in 2005:

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?: Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	9.07

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	USED REFRIGERANT OIL FROM PREVENTIVE MAINTENANCE OPERATIONS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D039 D043	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G19 Management Method code for Source code G25	W206	54.43	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description CONCENTRATED HALOGENATED/ NON-HALOGENATED SOLVENT MIXTURE FROM PRODUCT AND BY-PRODUCT PROCESSING

B. EPA Hazardous Waste Code D001 F002 F003 F004 F005

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W204

F. Quantity Generated in 2005 9.43

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	3.62

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: LAB TRASH INCLUDING PAPER, PLASTIC, GLOVES, GLASS CONTAMINATED WITH VARIOUS ORGANIC SOLVENTS (METHYLENE CHLORIDE, ACETONE, ACETONITRILE, ETHANOL, METHANOL, TETRAHYDROFURAN, HEXANE, TOLUENE, METHYL ISOBUTYL KETONE, CARBON TETRACHLORIDE.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D019 F002 F003 F005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W002	2.72	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	2.72

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: CHLORINATED SOLVENTS USED TO PROCESS AND CLEAN SUPPLIES			
B. EPA Hazardous Waste Code: D001 F002 F003 F005		C. State Hazardous Waste Code		
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W202	F. Quantity Generated in 2005: 2.04	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	2.04

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	PROCESS WASTE GENERATED FROM HALOGENATED ORGANICS RESEARCH.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 F002 F003 F005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W219	56.70	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	
1	UTD981552177	H040	56.70	

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: ORGANIC COMPOUNDS AND WATER SOLUTIONS			
B. EPA Hazardous Waste Code: D001 F002 F003 F005		C. State Hazardous Waste Code		
D. Source Code: G11 Management Method code for Source code G25	E. Form Code: W204	F. Quantity Generated in 2005: 3.17	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No			
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	3.17

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: SOLVENTS USED IN ELECTROCHEMICALSYNTHESIS		
B. EPA Hazardous Waste Code: D001 F002 F003		C. State Hazardous Waste Code	
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W204	F. Quantity Generated in 2005: 1.10	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	1.10

Comments

SITE NAME

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LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: CH2CL2/ACETONE, METHYLENE CHLORIDE WAS USED FOR FLASH CHROMATOGRAPHIC PURRIFICATION FOR THE PRODUCT, ACETONE WAS USED FOR WASTING THE GLASSWARE AND EXTRACTION OF ORGANIC REACTIONS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 F002 F003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G22 Management Method code for Source code G25	W204	9.52	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	9.52

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description SOLID TRASH FROM LABORATORY RESEARCH EXPERIMENTS, INCLUDING GLASS, VIALS, PIPETS, PAPER TOWELS, PLASTIC, LATEX, METAL, SILICA GEL, ALUMINA, CELITE, AND MOLECULAR SIEVES.

B. EPA Hazardous Waste Code D022 F002 F004 F005

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W319	11.79	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	11.79

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE GENERATED INCLUDES SOLIDS (KIMWIPES, PAPER TOWELS, PIPETS, SYRINGES, GLOVES, ETC.) CONTAMINATED WITH SMALL AMOUNTS OF ORGANIC OR INORGANIC MATERIAL

B. EPA Hazardous Waste Code D022 F002 F005

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W002	61.23	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	38.55
2	UTD981552177	H040	22.68

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: PREPARATION OF ORGANIC-SOLUBLE TRIPHENYLPHOSPHINE-STABILIZED GOLD NANOPARTICLES. REDUCTION OF HYDROGEN TETRACHLOROAURATE WITH SODIUM BOROHYDRIDE AND STABILIZATION WITH TRIPHENYLPHOSPHINE.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D022 F002 F005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W219	2.26	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	2.26

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: INORGANIC SOLIDS FROM PRODUCT AND BY-PRODUCT PROCESSING			
B. EPA Hazardous Waste Code: D007 F002 F005		C. State Hazardous Waste Code		
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W319	F. Quantity Generated in 2005: 589.68	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	589.68

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	LAB TRASH CONTAMINATED WITH SOLVENTS. (LAB TRASH TYPICALLY CONSISTS OF WIPES, Q-TIPS, GLOVES, ALUMINUM FOIL AND PLASTIC PETRI DISHES)

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D011 F002 F005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W409	2.15	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	2.15

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description TRICHOLOROETHYLENE AND CARBON TETRACHLORIDE WITH (1% OILS AND (1% WATER AS A SECOND LAYER.

B. EPA Hazardous Waste Code D019 F002

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W202

F. Quantity Generated in 2005 4.56

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	4.56

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: AMIDE BOND-FORMING REACTIONS, SIMILAR TO PEPTIDE SYNTHESIS.		
B. EPA Hazardous Waste Code: D001 F002		C. State Hazardous Waste Code:	
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W203	F. Quantity Generated in 2005: 47.62	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	47.62

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: WASTE GENERATED FROM THE SYNTHESIS OF DNA.		
B. EPA Hazardous Waste Code: D001 F002		C. State Hazardous Waste Code	
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W204	F. Quantity Generated in 2005: 560.19	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	569.72

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE FROM SYNTHESIS OF DIPHENYLMETHYLSILANOL AND GRAFTED SILICA GEL PARTICLES. WASTE CONSISTS LARGELY OF METHYL ETHYL KETONE (MEK), WATER, DIMETHYLFORMAMIDE, ETHANOL AND ACETONE.

B. EPA Hazardous Waste Code D001 F003 F005

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07	W203	345.18	3
Management Method code for Source code G25			Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	241.76
2	COD980591184	H141	108.86

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE FROM RESEARCH ON ZEOLITE SYNTHESIS.

B. EPA Hazardous Waste Code D001 F003 F005

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W204

F. Quantity Generated in 2005 27.21

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	45.36

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: WASTE SOLVENTS FROM HIGH EXPLOSIVE AND INERT ANALYSIS.			
B. EPA Hazardous Waste Code: D001 F003 F005		C. State Hazardous Waste Code		
D. Source Code: G22 Management Method code for Source code G25	E. Form Code: W203	F. Quantity Generated in 2005: 0.45	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No			
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	18.59

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE IS GENERATED DURING HPLC SEPARATION AND PURIFICATION OF PROTEINS, FATTY ACIDS, AND BIOLOGICAL SIDEROPHORE MATERIAL.

B. EPA Hazardous Waste Code D001 F003 F005

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G22 Management Method code for Source code G25	W219	39.91	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	39.91

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	METHANOL USED TO CLEAN CUTTING FLUID FROM PARTS AFTER MACHINING OPERATIONS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 F003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W119	7.66	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	7.66

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description SPENT ACETONE WITH SOIL FROM HE TEST KITS, CONTAINED INSIDE PLASTIC BOTTLE. THIS WASTE STREAM WILL ALWAYS CORRISPOND WITH A WCSF FOR ER/DURATEK USE.

B. EPA Hazardous Waste Code D001 F003

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W203

F. Quantity Generated in 2005 366.69

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	366.70

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description PHOTOPOLYMERIZATION OF ORGANIC ACRYLATES AND ACRYLAMIDES.

B. EPA Hazardous Waste Code D001 F003

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W219

F. Quantity Generated in 2005 18.14

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	18.14

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description METHANOL USED TO CLEAN LASER DYE PUMP. THE LASER DYE WAS LDS 698.

B. EPA Hazardous Waste Code D001 F003

C. State Hazardous Waste Code

D. Source Code G08

Management Method code for Source code G25

E. Form Code W202

F. Quantity Generated in 2005 6.80

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	6.80

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE IS ORGANICS USED FOR WASHING POLYMERS. ORGANICS INCLUDE ACETONE.

B. EPA Hazardous Waste Code D001 F003

C. State Hazardous Waste Code

D. Source Code G08

Management Method code for Source code G25

E. Form Code W219

F. Quantity Generated in 2005 6.80

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	6.80

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	SPENT ACETONE WITH SOIL FROM HE TEST KITS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 F003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W202	2.72	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	
1	UTD981552177	H040	2.72	

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: CONTAINS: METHANOL, BLEACH, WATER, LAWSONS REAGENT.		
B. EPA Hazardous Waste Code: D001 F003		C. State Hazardous Waste Code	
D. Source Code: G11 Management Method code for Source code G25	E. Form Code: W203	F. Quantity Generated in 2005: 7.03	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	7.03

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: SPENT ACETONE SOLVENT USED IN ROUTINE CLEANING OF ELECTRON MICROSCOPE PARTS AS A DEGREASER. MAY CONTAIN SOLID METALLIC PARTICLES OF STAINLESS STEEL, COPPER, SILVER, ALUMINUM, OR PLATINUM FROM MICROSCOPE PARTS.

B. EPA Hazardous Waste Code: D001 F003

C. State Hazardous Waste Code:

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G13	W203	0.45	Density 3 0.00

Management Method code for Source code G25

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.45

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: WASTE ORGANIC SOLVENTS USED FOR CLEANING VACUUM PUMPS.		
B. EPA Hazardous Waste Code: D001 F003		C. State Hazardous Waste Code	
D. Source Code: G16 Management Method code for Source code G25	E. Form Code: W203	F. Quantity Generated in 2005: 0.90	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.90

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	USED VACUUM-PUMP OIL ASSOCIATED WITH SYNTHESIS & PURIFICATION OF TRANSITION METAL COMPLEXES. MAYBE ASSICIATED WITH SMALL AMOUNTS OF ORGANIC LIQUID.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 F003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G16 Management Method code for Source code G25	W206	0.99	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.99

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: EXHAUST FILTER USED DURING THE PROCESS OF PERFORMING LIQUID CHROMATOGRAPHY/MASS SPECTROMETRY QUALITY TESTING OF SAMPLES PREPARED BY R&D IN THE LABORATORY. SOLVENTS ARE DRAWN INTO THE VACUUM PUMP OIL.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 F003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G21 Management Method code for Source code G25	W310	4.53	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	4.53

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE GENERATED FROM A HIGH EXPLOSIVE (HE) ANAYLSIS. WASTE TO GO TO CRWSS.

B. EPA Hazardous Waste Code D001 F003

C. State Hazardous Waste Code

D. Source Code G22

Management Method code for Source code G25

E. Form Code W113

F. Quantity Generated in 2005 47.17

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H061	19.95
2	UTD981552177	H040	27.21

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WATER CONTAINING (50% METHANOL, (1% TETRAHYDROFURAN, AND (1% NA AND K PHOSPHATE AND ACETATE BUFFERS. SOLUTION IS WASTE MOBILE PHASE FROM CHROMATOGRAPHY PROCEDURES.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 F003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G22 Management Method code for Source code G25	W203	34.84	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	34.84

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	METHANOL AND ACETIC ACID SOLUTION WITH 0.15 MOLES (63.6 GRAMS) OF URANYL ACETATE FROM RESEARCH OPERATIONS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 F003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G22 Management Method code for Source code G25	W219	181.44	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	3.79

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	LABORATORY DEBRIS CONTAMINATED WITH HE FROM PRODUCTION ACTIVITIES.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D003 F005 D028	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G09 Management Method code for Source code G25	W002	0.10	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	Yes

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005
H129	0.10		

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: COMPACTIBLE LAB TRASH CONTAMINATED WITH ORGANIC & INORGANIC CHEMICALS. ALSO MAGNESIUM SULFATE, MAGNESIUM BROMIDE, TRIETHYL AMMONIUM CHLORIDE, CALCIUM CHLORIDE, ORGANIC POLYMERS, POLYSILOXANES, SILICA AERO GELS, OILY RAGS

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
F002 F005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W002	49.89	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	27.21
2	COD980591184	H141	22.68

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description BULK SOLVENTS FROM RESEARCH (HALOGENATED)

B. EPA Hazardous Waste Code F002 F005

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W202

F. Quantity Generated in 2005 9.52

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	19.05

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: THE WASTE CONSISTS OF SOLID PRECIPITATES OF: UREA AND ACETATE. SODIUM HYDROXIDE SOLID IS ALSO PRESENT. ALSO PRESENT ARE PYRIDINE, DI-N-BUTYLAMINE AND HYDROCLORIC ACID. CELLULOSE PRODUCTS ARE ALSO PRESENT AND TOLUENE.

B. EPA Hazardous Waste Code: D001 F005

C. State Hazardous Waste Code:

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W203	6.53	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	6.53

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: WASTE GENERATED FROM THE C60 TO NANOTUBES LDRD-ER. THIS WASTE CONTAINS SILICATES, ALUMINOPHOSPHATES, ALUMINO SILICATES, GLASS, PLASTIC, LAB TRASH, ETC. WHICH MAY BE CONTAMINATED WITH BENZENE AND TOLUENE.

B. EPA Hazardous Waste Code: D001 F005

C. State Hazardous Waste Code:

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W409	0.90	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.90

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	MEK CONTAMINATED KIMWIPES/RAGS GENERATED DURING INERT PROCESSING OPERATIONS. THE KIMWIPES AND RAGS ARE USED TO WIPE DOWN THE MIXER WHICH IS USED TO PREPARE MOCK INERT SIMULANTS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D005 F005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W409	1.81	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	1.36

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE FROM SYNTHESIS OF DIPHENYLMETHYLSILANOL. WASTE CONSISTS OF A TWO-PHASE MIXTURE OF AQUEOUS AND ORGANIC COMPONENTS. THE WASTE IS LARGELY COMPOSED OF METHYL ETHYL KETONE AND WATER.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 F005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G08 Management Method code for Source code G25	W203	4.53	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	4.53

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description THE SOLUTION IS 0.5M HDEHP (BIS(2-ETHYLHEXYL) PHOSPHATE DISSOLVED IN TOLUENE.

B. EPA Hazardous Waste Code D001 F005

C. State Hazardous Waste Code

D. Source Code G22

Management Method code for Source code G25

E. Form Code W203

F. Quantity Generated in 2005 1.56

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	1.56

Comments

SITE NAME

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EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE WAS GENERATED FROM A SPILL OF "SPENT" SUNNYSIDE LACQUER THINNER ONTO SOI

B. EPA Hazardous Waste Code D001 F005

C. State Hazardous Waste Code

D. Source Code G32

Management Method code for Source code G25

E. Form Code W203

F. Quantity Generated in 2005 113.40

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	113.40

Comments

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: SOIL AND ROCK FROM BOREHOLE CUTTINGS AND EXCESS CORE SAMPLES. THIS WASTE STREAM WAS GENERATED FROM SUBSURFACE INVESTIGATION ACTIVITIES AT SWMU 03-001(E). ALSO CONTAINS MINOR AMOUNTS OF LEXAN TUBING FROM CORING OPERATION.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
F002 F005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G42 Management Method code for Source code G25	W319	7,348.32	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? No

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	PERSONAL PROTECTIVE EQUIPMENT (PPE), PLASTIC, AND DISPOSABLE SAMPLING EQUIPMENT USED TO SAMPLE SOIL BORINGS AND GROUNDWATER.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
F002 F005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G42 Management Method code for Source code G25	W409	8.16	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: ETHANOL WASTE FROM CELL FIXATION.		
B. EPA Hazardous Waste Code: D001 U002		C. State Hazardous Waste Code	
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W219	F. Quantity Generated in 2005: 9.97	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	9.97

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UNUSED, UNSPENT CHEMICAL IN MANUFACTURERS BOTTLE FROM RESEARCH, DEVELOPMENT AND TESTING. ACETONE

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 U002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	0.87	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	0.53

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UNUSED, UNSPENT CHEMICAL IN MANUFACTURER'S BOTTLE FROM RESEARCH, DEVELOPMENT AND TESTING. ACETONITRILE

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 U003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	0.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	2.69

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UNUSED, UNSPENT CHEMICAL IN MANUFACTURER'S BOTTLE FROM RESEARCH, DEVELOPMENT AND TESTING. BENZENE

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 U019	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	0.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	0.56

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UNUSED, UNSPENT CHEMICAL IN MANUFACTURERS BOTTLE FROM RESEARCH, DEVELOPMENT AND TESTING N-BUTYL ALCOHOL.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 U031	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	0.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	0.45

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UNUSED, UNSPENT CHEMICAL IN MANUFACTURER'S BOTTLE FROM RESEARCH, DEVELOPMENT AND TESTING - ETHYLENE DICHORIDE

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 U077	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	0.51	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UNUSED, UNSPENT CHEMICAL IN MANUFACTURER'S BOTTLE FROM RESEARCH, DEVELOPMENT AND TESTING - ETHYL ACETATE

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 U112	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	0.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	0.19

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description VARIOUS DIODE MERCURY VAPOR FILLED RADIO TUBES.

B. EPA Hazardous Waste Code D009 U151

C. State Hazardous Waste Code

D. Source Code G11

Management Method code for Source code G25

E. Form Code W001

F. Quantity Generated in 2005 1.90

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	AZ0000337360	H010	1.90

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UNUSED, UNSPENT CHEMICAL IN MANUFACTURERS ORIGINAL CONTAINER (PLASTIC PIPE CLEANER) FROM RESEARCH TESTING AND DEVELOPMENT.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 U159	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	0.17	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UNUSED, UNSPENT CHEMICAL IN MANUFACTURER'S BOTTLE FROM RESEARCH, DEVELOPMENT AND TESTING. PYRIDINE

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 U196	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	0.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	0.42

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UNUSED, UNSPENT CHEMICAL IN MANUFACTURER'S BOTTLE FROM RESEARCH, DEVELOPMENT AND TESTING. TOLUENE

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001 U220	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	0.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	1.92

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	SPENT TRICHLOROETHYLENE USED IN DEGREASING CONTAINING SUSPENDED RADIOACTIVE PARTICLES.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
F001	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G01 Management Method code for Source code G25	W202	92.00	6	1.46 spec.gra

Sec. 2	Was any of this waste managed on-site?	Yes

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005
H129	92.00		

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: ETHANOL AND DEIONIZED WATER MIX USED TO CLEAN CIRCUIT BOARDS.		
B. EPA Hazardous Waste Code: D001		C. State Hazardous Waste Code:	
D. Source Code: G01 Management Method code for Source code G25	E. Form Code: W203	F. Quantity Generated in 2005: 545.68	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	477.64

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description NITRIC ACID PICKLING BATH USED FOR CLEANING AND DEOXIDIZING METALS.

B. EPA Hazardous Waste Code D002

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G02 Management Method code for Source code G25	W103	13.60	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	TXD988088464	H121	210.92
2	UTD981552177	H040	2.72
3	COD980591184	H141	10.88

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: CLEANING HEAVILY OXIDIZED & DEPLETED URANIUM FOILS WITH CONCENTRATED NITRIC ACID. WASTE IS NITRIC ACID, WATER, PLUS DISSOLVED URANIUM/URANIUM OXIDE. ISOTOPES & ACTIVITIES WILL BE NOTED ON CWDR.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G02 Management Method code for Source code G25	W105	161.93	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	158.76

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: SPENT SODIUM HYDROXIDE STRIPPER FROM DX-1 CIRCUIT SHOP WHICH CANNOT BE USED AT TA 50 RLWTF. LANL SAMPLE NUMBERS 02ESH19136-138; ASSAIGAI LABS ANALYSIS NUMBER 0203101. A COPY OF THE AK DOCUMENT IS IN THE GENERATORS FILES.

B. EPA Hazardous Waste Code: D002

C. State Hazardous Waste Code:

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G02	W119	362.88	3

Management Method code for Source code G25

Density: 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	362.88

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	TINPOSIT (R) LT-34 USED TO PLATE TIN TO COPPER-NO CONTAMINATION OF TINPOSIT W/TIN OR COPPER

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G03 Management Method code for Source code G25	W103	14.51	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	14.51

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	HYDROCHLORIC ACID USED AS AN ELECTROLYTE IN TITANIUM CORROSION STUDIES.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G04 Management Method code for Source code G25	W103	4.53	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	4.53

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	RESIDUAL OXIDE SLURRY FROM STAINLESS STEEL DISSOLUTION PROCESS USING NITRIC ACID AND SODIUM NITRTATE.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G04 Management Method code for Source code G25	W119	0.45	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.45

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	KIMWIPES(TERRY TOWELS) THAT WERE USED TO ABSORB LIQUID AFTER ETCHING PROCESS IN CELL 16

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D007	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G04 Management Method code for Source code G25	W319	0.53	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description LEAD CONTAMINATED RAGS FROM THE REMOVAL OF LEAD BASED PAINT FROM WALLS IN BLDG. 260. THE LEAD BASED PAINT WAS REMOVED WITH THE AID OF A COMMERCIAL PAINT STRIPPER (PEEL AWAY 1).

B. EPA Hazardous Waste Code D008

C. State Hazardous Waste Code

D. Source Code G06

Management Method code for Source code G25

E. Form Code W002

F. Quantity Generated in 2005 0.00

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	63.50

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: WASTE FROM SPIN COATING PROCESS.		
B. EPA Hazardous Waste Code: D001		C. State Hazardous Waste Code	
D. Source Code: G06 Management Method code for Source code G25	E. Form Code: W219	F. Quantity Generated in 2005: 0.45	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.45

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: SPENT LAQUER THINNER ABSORBED ONTO RAGS. THE MSDS IS PROVIDED WITH THIS FORM AS ACCEPTABLE KNOWLEDGE ASSIGNED HENV# 1791 FOR TRACKING PURPOSES. SAMPLE RESULTS ARE ALSO INCLUDED WITH THIS FORM. ASSAIGAI SAMPLE NUMBERS 99.0045/TA 21-427

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
F005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G06 Management Method code for Source code G25	W319	99.79	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	27.21
2	UTD981552177	H040	72.57

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description 50% METHANOL WITH 50% BUFFERED TRIS.

B. EPA Hazardous Waste Code D001

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W001

F. Quantity Generated in 2005 95.25

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	95.25

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description THIS WASTE WAS GENERATED AFTER THE DICOVERY OF ELEMENTAL MERCURY WAS ON THE FLOOR OF BLDG 286.

B. EPA Hazardous Waste Code D009

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W002

F. Quantity Generated in 2005 0.00

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	4.53

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	LAB TRASH FROM THE ROLLING OF LEAD PLATES IN MATERIALS FABRICATION OPERATIONS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D008	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W002	4.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	4.00

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: LITHIUM HYDRIDE CONTAMINATED TRASH		
B. EPA Hazardous Waste Code: D003		C. State Hazardous Waste Code	
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W002	F. Quantity Generated in 2005: 4.53	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	4.53

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	LEAD CONTAMINATED SHOT DEBRIS GENERATED DURING THE MOLLY EXPLOSIVE SHOT TEST.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D008	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W002	12.70	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	12.70

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description USED KIM WIPES AND RUBBER GLOVES. SMALL AMOUNTS OF ACETONE, TRICHLOROTRIFLUOROETHANE, METAL OXIDES AND ORGANIC DYES.

B. EPA Hazardous Waste Code F002

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W002

F. Quantity Generated in 2005 22.68

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	22.68

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	MERCURY CONTAMINATED DEBRIS GENERATED/STORED THROUGHOUT THE LANL FACILITY. RAD ANALYSIS WILL BE FURNISHED WITH THE CWDR.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D009	

D. Source Code / Management Method code for Source code G25	E. Form Code	F. Quantity Generated in 2005	G. UOM / Density
G07	W002	43.11	3 / 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description VERY DILUTE AQUEOUS WASTE CONTAINING MORE THAN 99% WATER FROM PRODUCT AND BY-PRODUCT PROCESSING

B. EPA Hazardous Waste Code D007

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W101

F. Quantity Generated in 2005 1.00

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	1.00

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE FROM RINSING GELS WITH BE-7 ON THE GEL, RINSE SOLUTIONS CONTAIN METHANOL, ACETIC ACID AND PHOSPHORIC ACID. STAINING SOLUTION HAS BRILLIANT BLUE.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W101	3.17	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	KODAK FIXER PART A: AMMONIUM THIOSULFATE 40-50%, BORIC ACID (5%; PART B: ALUMINUM SULFATE 15-20%, H2SO4 10-15%, H2O 65-76%. SOLUTION WAS ACCUMULATED IN A DARKROOM.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W101	8.16	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	PERCHLORIC/SULFURIC ACID SOLUTION, FROM R&D.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W103	51.44	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	51.44

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
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WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	AQUEOUS WASTE WITH SULFURIC ACID USED FOR TREATING MEMBRANES IN FUEL CELL RESEARCH OPERATIONS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W105	121.31	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	139.97

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE IS 10% AMMONIUM HYDROXIDE THAT WAS RUN THROUGH A FUEL CELL.

B. EPA Hazardous Waste Code D002

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W110	21.77	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	21.77

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
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WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	THE LIQUID WASTE MAY BE HETEROGENOUS BECAUSE SOLIDS MAY HAVE PRECIPITATED FROM THE WASTE MATRIX.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D009	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W113	2.26	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WATER AND ETHYLENE GLYCOL TAKEN FROM CHILLER LOCATED AT LANL CHAMBER 4

B. EPA Hazardous Waste Code D010

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W113	7.25	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	7.25

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
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WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description MOPWATER CONTAINING GREATER THAN 5PPM LEAD

B. EPA Hazardous Waste Code D008

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W113

F. Quantity Generated in 2005 156.94

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	18.59
2	COD980591184	H141	138.34

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: CUS04 IN SULFURIC ACID SOLUTION (H2SO4)			
B. EPA Hazardous Waste Code: D002		C. State Hazardous Waste Code		
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W119	F. Quantity Generated in 2005: 3.15	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No			
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	2.05
2	COD980591184	H141	1.10

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	HYDROGEN PEROXIDE USED AS AN ELECTROLYTE IN TITANIUM CORROSION STUDIES.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W119	3.17	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	
1	UTD981552177	H040	3.17	

Comments

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WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description MERCURY WITH TEFLON AND METAL CONTAMINANTS FROM LASER PLASMA LIGHT SOURCE EXPERIMENTS.

B. EPA Hazardous Waste Code D009

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W119

F. Quantity Generated in 2005 5.20

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	AZ0000337360	H010	5.20

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description PROCESS DESIGNED TO EXTRACT CELLULOSE FROM WOOD PRODUCTS GENERATES LIQUID WASTE CONSISTING OF TOLUENE+EHTANOL+DEIONIZED WATER.

B. EPA Hazardous Waste Code D001

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W119	7.58	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	7.58

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	PHENOL/CHLOROFORM/ISOAMYL ALCOHOL WASTE FORM DNA EXTRACTION AND PURIFICATION

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D022	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W119	14.96	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	14.96

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: AMINO ACIDS USED IN PROTEIN EXPRESSION.		
B. EPA Hazardous Waste Code: D010		C. State Hazardous Waste Code	
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W119	F. Quantity Generated in 2005: 48.08	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	48.08

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	NUCLEIC ACID EXTRACTION SOLUTION CONTAINING PHENOL, CHLOROFORM AND ISO-AMYL ALCOHOL DILUTED IN AQUEOUS TRIS BUFFER WITH SODIUM CHLORIDE, EDTA, SODIUM DODECYLSULFATE AND B-MERCAPTOETHANOL.		
	B. EPA Hazardous Waste Code	D022	C. State Hazardous Waste Code	
	D. Source Code Management Method code for Source code G25	G07	E. Form Code W202	F. Quantity Generated in 2005 0.90
	G. UOM Density	3 0.00		

spec.gra

Sec. 2	Was any of this waste managed on-site?		
	No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		
			Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.90

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
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WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: WASTE ACETONITRILE, RHENIUMTRICARBONILE BIPYRIDINE ACETONITRILE COMPLEX, RHENIUMTRICARBONILE PHENANTHROLINE ACETONITRILE COMPLEX, RHENIUM DICARBONILEDIPHENYL PHOSPHINOETHANE.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W203	1,141.31	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	1,177.60

Comments

SITE NAME

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WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	CONCENTRATED HALOGENATED/ NON-HALOGENATED SOLVENT MIXTURE FROM PRODUCT AND BY-PRODUCT PROCESSING

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
F005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W204	2.26	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	0.90

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
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WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UCON OIL, ETHANOL AND WATER. ETHANOL AND WATER WAS USED TO MOBILIZE THE UCON OIL TO POUR OUT OF THE CONTAINER.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W205	0.45	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.45

Comments

SITE NAME

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WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE IS USED OIL CONTAMINATED WITH ORGANIC CHEMICALS. ORGANICS WERE INADVERTENTLY POURED INTO A 2 LITER CONTAINER OF OIL.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D022	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W206	0.45	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.45

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE LAB TRASH AND RAGS SOAKING WITH KEROSENE USED FOR CLEANING DURING DEPLETED URANIUM ROLLING MILL OPERATIONS.

B. EPA Hazardous Waste Code D001

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W219	2.53	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	12.10
2	UTD981552177	H040	2.53

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
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WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: AQUEOUS WASTE THAT INCLUDES THE REAGENTS CUI, KI, NACN AND 18-CROWN-6 ETHER AND THE CO-SOLVENT NH4OH (AQUEOUS AMMONIA)			
B. EPA Hazardous Waste Code: D003		C. State Hazardous Waste Code:		
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W219	F. Quantity Generated in 2005: 0.68	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No			
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.68

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: REACTION SOLUTION FOR FIBER COATING.		
B. EPA Hazardous Waste Code: D001		C. State Hazardous Waste Code	
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W219	F. Quantity Generated in 2005: 0.90	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.90

Comments

SITE NAME

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WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE PERCHLORIC ACID, SODIUM PERCHLORATE, RUTHENIUM (IN WATER) FROM ELECTROCHEMISTRY EXPERIMENTS.

B. EPA Hazardous Waste Code D002

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W219	1.36	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	1.36

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: RESIDUES FROM ORGANIC REACTIONS INVOLVING KCN.			
B. EPA Hazardous Waste Code: D003		C. State Hazardous Waste Code		
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W219	F. Quantity Generated in 2005: 1.36	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No			
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	1.36

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description METHANOL 40-50%, 5-10% ACETIC ACID, 40-59% WATER AND 0.01-1% COMMASSIE BLUE STAIN, USED TO STAIN AND DESTAIN PROTEIN GELS.

B. EPA Hazardous Waste Code D001

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W219

F. Quantity Generated in 2005 73.02

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	73.02

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	SPENT GROWTH MEDIA CONSISTING OF: DEAD AND "STERILE MICROORGANISMS (BSL1 OR BSL2)" SPENT NUTRIENT BROTH AND YEAST EXTRACT CONTAINING RESIDUAL GROWTH SALTS AND SILVE

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W219	163.29	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	163.29

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description LEAD LINED DRAIN PIPE FROM CONSTRUCTION UPGRADE.

B. EPA Hazardous Waste Code D008

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W307

F. Quantity Generated in 2005 0.00

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD982598898	H131	3.62

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description METALS CONTAMINATED WITH MERCURY FROM LASER PLASMA LIGHT SOURCE EXPERIMENTS.

B. EPA Hazardous Waste Code D009

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W307	15.30	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	15.30

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE SOURCES: CONSTRUCTION, MAINTENANCE, MATERIAL PROCESSING, AND RESEARCH AND DEVELOPMENT.

B. EPA Hazardous Waste Code D008

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07	W307	331.70	3
Management Method code for Source code G25			Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD982598898	H131	539.70

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	DRY LAB TRASH IN CONTACT WITH NO. 1250 YELLOW INK. LAB TRASH CONSISTS OF PAPER TOWELS, GLASS, ALUMINUM CRIMP TOPS WITH SEPTA, AND YELLOW INK.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D008	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W310	1.36	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	1.36

Comments

SITE NAME

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PO BOX 1663, MS K490
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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	METAL SALTS OR CHEMICALS NOT CONTAINING CYANIDES FROM PRODUCT AND BY-PRODUCT PROCESSING

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G07 Management Method code for Source code G25	W316	0.30	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.30

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	LAB TRASH CONTAMINATED WITH SILVER BASED PAINT AND SILVER FROM THERMAL EVAPORATION PROCESS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W316	1.50	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?	Yes	
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	1.50

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: METAL SALTS OR CHEMICALS NOT CONTAINING CYANIDES FROM PRODUCT AND BY-PRODUCT PROCESSING		
B. EPA Hazardous Waste Code: D005		C. State Hazardous Waste Code:	
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W316	F. Quantity Generated in 2005: 580.60	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	476.28
2	UTD981552177	H040	195.04

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description BARIUM INERT SIMULANT CONTAMINATED TRASH FROM MACHINING OPERATIONS.

B. EPA Hazardous Waste Code D005

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W319

F. Quantity Generated in 2005 0.02

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	1.38

Comments

SITE NAME

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LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description PAPER, PLASTIC, PPE & WOOD USED DURING OPERATIONS INVOLVING SILVER EPOXYS.

B. EPA Hazardous Waste Code D011

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W319

F. Quantity Generated in 2005 0.31

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.31

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: LAB TRASH CONTAMINATED WITH FERRIC CHLORIDE SOLUTION.			
B. EPA Hazardous Waste Code: D002		C. State Hazardous Waste Code		
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W319	F. Quantity Generated in 2005: 0.34	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No			
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.34

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: THE WASTE IS A MIXTURE OF BARIUM CONTAINING MOCK EXPLOSIVES (BUT NOT EXPLOSIVES), BARIUM PRECIPITATES AND VARIOUS BINDERS AND PLASTICISERS USED IN FORMULATIONS. THE WASTE ALSO CONSISTS OF MATERIALS USED IN HANDLING AND PROCESSING SAMPLES I.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W319	0.34	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.34

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: INORGANIC SOLIDS FROM PRODUCT AND BY-PRODUCT PROCESSING			
B. EPA Hazardous Waste Code: D008		C. State Hazardous Waste Code		
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W319	F. Quantity Generated in 2005: 0.45	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No			
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.45

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: LAB TRASH CONTAMINATED WITH MERCURY.			
B. EPA Hazardous Waste Code: D009		C. State Hazardous Waste Code		
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W319	F. Quantity Generated in 2005: 0.45	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No			
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	0.45

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	LAB TRASH WITH LEAD CONTAMINATION AND LEAD PREPARATION OERATIONS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D008	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W319	1.10	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	
1	UTD981552177	H040	1.10	

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: INORGANIC SOLIDS FROM PRODUCT AND BY-PRODUCT PROCESSING			
B. EPA Hazardous Waste Code: D011		C. State Hazardous Waste Code		
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W319	F. Quantity Generated in 2005: 1.36	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	1.36

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: THREE BUCKETS OF TITANIUM GRAVEL/SPONGE, BUCKET 1 WEIGHS 44.9 LBS. BUCKET 2 WEIGHS 17.9 LBS AND BUCKET 3 WEIGHS 2.8 LBS. BUCKET NUMBER 1 WAS NEVER IN THE RADIOLOGICAL FACILITY TO THE BEST OF MY KNOWLEDGE.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W319	4.08	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	4.08

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: INORGANIC SOLIDS FROM PRODUCT AND BY-PRODUCT PROCESSING			
B. EPA Hazardous Waste Code: D008		C. State Hazardous Waste Code		
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W319	F. Quantity Generated in 2005: 6.00	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No			
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? No		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

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LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	SPENT SILICA GEL FROM R&D PURIFICATION PROCESS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D038	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W319	8.16	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	8.16

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description THIS IS CELLULOSICS WASTE (PAPER, PLASTIC, CARDBOARD, ETC.

B. EPA Hazardous Waste Code D008

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W319

F. Quantity Generated in 2005 25.85

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	43.31

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: INORGANIC SOLIDS FROM PRODUCT AND BY-PRODUCT PROCESSING			
B. EPA Hazardous Waste Code: D003		C. State Hazardous Waste Code		
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W319	F. Quantity Generated in 2005: 272.16	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No			
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	272.16

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
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LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description THIS WASTE STREAM HAS BEEN GENERATED FROM DRILLING ACTIVITIES ON A PROJECT AT LANL.

B. EPA Hazardous Waste Code F002

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W319

F. Quantity Generated in 2005 1,360.80

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	1,360.80

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description GLOVEBOX 307 (GB307) REMOVED FROM SERVICE. GLOVE BOX CONTAINS A HEALD LATHE AND IS MOUNTED ON THE LATHE SUPPORT HOUSING.

B. EPA Hazardous Waste Code D008

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W319

F. Quantity Generated in 2005 22,000.00

G. UOM 1

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? No

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: LABORATORY TRASH WITH ABSORBED LIQUIDS. TRASH CONSISTS OF PLASTIC, GLASSWARE, KIMWIPES AND BENCH PAPER WITH PHENOL, CHLOROFORM, ETHANOL, ISOPROPANOL, SODIUM ACETATE, ETHIDIUM BROMIDE, COMMASSLE BLUE STAIN, METHANOL, ACETIC ACID

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D022	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G07 Management Method code for Source code G25	W409	1.81	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	1.81

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: MNO2 ON CELITE		
B. EPA Hazardous Waste Code: D001		C. State Hazardous Waste Code	
D. Source Code: G07 Management Method code for Source code G25	E. Form Code: W519	F. Quantity Generated in 2005: 0.22	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.22

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE IS ABSORBENTS, RAGS, PLASTIC, AND DEBRIS FROM CLEANUP WHEN DRUM OF AEROSOL-CAN-PUNCTURING-UNIT WASTE LEAKED INTO THE SECONDARY.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D039	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G08 Management Method code for Source code G25	W002	18.14	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	18.14

Comments

SITE NAME

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LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE CONSISTS OF 1 M NA0H SOLUTION USED IN A PROCESS TO PULL C02 OUT OF THE AIR.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G08 Management Method code for Source code G25	W119	9.90	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?	Yes	
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	9.90

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE ORGANIC SOLVENTS FROM PARTICLE SIZING OPERATIONS WITH PRECIPITATES OF METALS. METAL OXIDES AND CERAMICS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G08 Management Method code for Source code G25	W203	48.83	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	19.80

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: WASTE CONSISTS OF HALOGENATED AND NON-HALOGENATED ORGANIC SOLVENTS WHICH WILL CONTAIN ORGANIC COMPONENTS FROM THE SYNTHESIS OF SULFUR, SELENIUM, TELCURIUM AND NITROGEN BEARING CHEMICALS AND THEIR COMPLEXES WITH CANTHANIDES.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G08 Management Method code for Source code G25	W204	7.71	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	7.71

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	FOAMS COMPOSED MAINLY BY POLYDIMETHYLSILOXANES (PDMS) WITH SOME CHLOROFORM.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D022	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G08 Management Method code for Source code G25	W219	0.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.00

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description LBARORATORY DEBRIS CONTAMINATED WITH HE GENERATED DURING SYNTHESES, DEVELOPMENT, TESTING AND PRODUCTION ACTIVITIES

B. EPA Hazardous Waste Code D003

C. State Hazardous Waste Code

D. Source Code G09

Management Method code for Source code G25

E. Form Code W002

F. Quantity Generated in 2005 21.00

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? Yes

ON-SITE PROCESS SYSTEM 1

On-site process system type H129

Quantity treated, disposed, or recycled on-site in 2005 21.00

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? No

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: EXCESS HE.			
B. EPA Hazardous Waste Code: D003		C. State Hazardous Waste Code		
D. Source Code: G09 Management Method code for Source code G25	E. Form Code: W405	F. Quantity Generated in 2005: 42.50	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? Yes		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type: H129	Quantity treated, disposed, or recycled on-site in 2005: 42.50	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? No		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UNUSED, UNSPENT CHEMICAL IN MANUFACTURER'S BOTTLE FROM RESEARCH, DEVELOPMENT AND TESTING. PET ETHER

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	0.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	1.64

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: LAB PACKS WITH NO ACUTE HAZARDOUS WASTE FROM DISCARDING OFF-SPECIFICATION/OUT-OF-DATE CHEMICALS/PRODUCTS		
B. EPA Hazardous Waste Code: U226		C. State Hazardous Waste Code:	
D. Source Code: G11 Management Method code for Source code G25	E. Form Code: W001	F. Quantity Generated in 2005: 0.00	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	TNR000005397	H141	0.27

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UNUSED, UNSPENT CHEMICAL IN MANUFACTURER'S BOTTLE FROM RESEARCH, DEVELOPMENT AND TESTING. 3-METHYL HEXANE

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	0.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	0.34

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UNUSED, UNSPENT CHEMICAL IN MANUFACTURER'S BOTTLE FROM RESEARCH, DEVELOPMENT AND TESTING. CHLOROFORM

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
U044	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	0.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	0.48

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UNUSED, UNSPENT CHEMICAL IN MANUFACTURER'S BOTTLE FROM RESEARCH, DEVELOPMENT AND TESTING-PENTANE

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	0.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	0.53

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UNUSED, UNSPENT CHEMICAL IN MANUFACTURER'S BOTTLE FROM RESEARCH, DEVELOPEMTN AND TESTING. DICHLOROMETHANE

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
U080	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	0.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	1.02

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UNUSED UNSPENT ETHYL ALCOHOL IN MANUFACTURERS ORIGINAL CONTAINER FROM AN RCA.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	0.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	4.85

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UNUSED DRAGER DETECTOR TUBE FOR METHYLENE CHLORIDE, #6724601 PRINCIPLE OF REACTION: PRE-LAYER: CH2CL2 + CR(VI)-GASEOUS CLEAVAGE PRODUCT INDICATING LAYER: GASEOUS CLEAVAGE PRODUCT + I2O5-)I2

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D010	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G11 Management Method code for Source code G25	W001	0.06	Density 3 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?
	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		
			Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	0.06

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UNUSED, UNSPENT CHEMICAL IN MANFACTURER'S BOTTLE FROM RESEARCH, DEVELOPMENT AND TESTING. TRIETHYLENEDIAMINE

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	0.35	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UNUSED, UNSPENT CHEMICAL IN MANUFACTURERS ORIGINAL CONTAINER (RAPID TAP) FROM RESEARCH/DEVELOPMENT TESTING.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
U226	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	0.22	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	GASTEC #153 METHYL ISOBUTYL KETONE - GASTEC DETECTOR TUBE #153 FOR MONITORING METHYL ISOBUTYL KETONE.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D007	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	0.45	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.45

Comments

SITE NAME

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EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	UNUSED DRAGER TUBE FOR DETECTION OF HYDROGEN SULFIDE, #6728041 REACTION PRINCIPLE: H2S+(HO)2 HG2 NH2 OH-)HG2S+NO2+H2O+H2

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D009	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G11 Management Method code for Source code G25	W001	0.45	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.45

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: LAB PACKS WITH NO ACUTE HAZARDOUS WASTE FROM DISCARDING OFF-SPECIFICATION/OUT-OF-DATE CHEMICALS/PRODUCTS		
B. EPA Hazardous Waste Code: D010		C. State Hazardous Waste Code:	
D. Source Code: G11 Management Method code for Source code G25	E. Form Code: W001	F. Quantity Generated in 2005: 0.45	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.45

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: UNUSED DETECTOR TUBES FOR DIETHYL ETHER, #6730501 DRAGER GRP 10: CHROMIUM (VI) COMPOUNDS, SULFURIC ACID.			
B. EPA Hazardous Waste Code: D007		C. State Hazardous Waste Code		
D. Source Code: G11 Management Method code for Source code G25	E. Form Code: W001	F. Quantity Generated in 2005: 0.90	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No			
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.90

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	DRAGER #CH20001, NATURAL GAS - DRAGER DETECTOR TUBE #CH20001 FOR MONITORING NATURAL GAS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D010	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	0.45	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.45

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	LAB PACKS WITH NO ACUTE HAZARDOUS WASTE FROM DISCARDING OFF-SPECIFICATION/OUT-OF-DATE CHEMICALS/PRODUCTS

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D007	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W001	0.90	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.90

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: SODIUM NITRATE, UNUSED CHEMICAL BUT IN AN UNSEALED BOTTLE			
B. EPA Hazardous Waste Code: D001		C. State Hazardous Waste Code		
D. Source Code: G11 Management Method code for Source code G25	E. Form Code: W001	F. Quantity Generated in 2005: 0.56	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.56

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description UNUSED GASTEC TUBE FOR ETHYL ALCOHOL, #112 DETECTION PRINCIPLE: C2 H5 OH + K2CR2O7 + H2SO4--)CR2(SO4)3 (P4)

B. EPA Hazardous Waste Code D007

C. State Hazardous Waste Code

D. Source Code G11

Management Method code for Source code G25

E. Form Code W001

F. Quantity Generated in 2005 1.90

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	0.45
2	UTD981552177	H040	1.45

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description LAB PACKS WITH NO ACUTE HAZARDOUS WASTE FROM DISCARDING OFF-SPECIFICATION/OUT-OF-DATE CHEMICALS/PRODUCTS

B. EPA Hazardous Waste Code D001

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G11	W001	501.39	3
Management Method code for Source code G25			Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	2.72
2	COD980591184	H141	2,217.77
3	AZ0000337360	H010	6.84
4	NM0000590240	H141	3,113.26
5	TXD055135388	H141	93.48

Comments

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LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE IS LEFT OVER SAMPLES CONSISTING OF PLATINUM-RUTHENIUM COMPOUNDS IN GLASS VIALS, FILTERS, FILTER PAPER, MISC. TRASH.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D007	

D. Source Code / Management Method code for Source code G25	E. Form Code	F. Quantity Generated in 2005	G. UOM / Density
G11	W002	1.81	3 / 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?	Yes	
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	1.81

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: GREEN PAINTED WALL BOARD			
B. EPA Hazardous Waste Code: D004		C. State Hazardous Waste Code		
D. Source Code: G11 Management Method code for Source code G25	E. Form Code: W002	F. Quantity Generated in 2005: 1,451.52	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No			
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD991301748	H132	1,451.52

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: SODIUM AZIDE (OFF-SPECIFICATION) SOLUTIONS FROM RDX TEST KITS.		
B. EPA Hazardous Waste Code: P105		C. State Hazardous Waste Code	
D. Source Code: G11 Management Method code for Source code G25	E. Form Code: W004	F. Quantity Generated in 2005: 0.45	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.45

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	SILVER NITRATE USED TO STAIN DNA ON POLYACRYLAMIDE GELS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W101	0.18	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.18

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description CO AND H2S GASTECH/RKI SENSORS. SEALED ELECTROCHEMICAL SENSORS CONTAIN APPROX 4ML OF AQUEOUS SULFURIC ACID SOLUTION. SENSOR HAS A SOLID EXTERIOR.

B. EPA Hazardous Waste Code D002

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G11	W103	15.76	3
Management Method code for Source code G25			Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	0.11
2	UTD981552177	H040	13.60

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
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WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: CALIBRATION SOURCE			
B. EPA Hazardous Waste Code: D002		C. State Hazardous Waste Code		
D. Source Code: G11 Management Method code for Source code G25	E. Form Code: W105	F. Quantity Generated in 2005: 61.00	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	61.00

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE SODIUM HYDROXIDE AND PLATINUM BLACK IN WATER.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W110	4.98	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	
1	UTD981552177	H040	4.98	

Comments

SITE NAME

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2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: KODAK GBX FIXER		
B. EPA Hazardous Waste Code: D011		C. State Hazardous Waste Code	
D. Source Code: G11 Management Method code for Source code G25	E. Form Code: W113	F. Quantity Generated in 2005: 130.63	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	130.63

Comments

SITE NAME

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2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description BROKEN MERCURY THERMOMETER

B. EPA Hazardous Waste Code D009

C. State Hazardous Waste Code

D. Source Code G11

Management Method code for Source code G25

E. Form Code W117

F. Quantity Generated in 2005 7.89

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	AZ0000337360	H010	7.87
2	COD980591184	H141	0.02

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE IS CHROMIUM NITRATE AND COBALT NITRATE.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D007	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G11 Management Method code for Source code G25	W119	3.62	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	3.62

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: HYDROGEN PEROXIDE SOLUTION (IN WATER)			
B. EPA Hazardous Waste Code: D001		C. State Hazardous Waste Code		
D. Source Code: G11 Management Method code for Source code G25	E. Form Code: W119	F. Quantity Generated in 2005: 7.80	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No			
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	7.80

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE IS LEFT OVER ZIRCONYL CHLORIDE & HCL FROM R&D - THIS IS A CORROSIVE LIQUID.

B. EPA Hazardous Waste Code D002

C. State Hazardous Waste Code

D. Source Code G11

Management Method code for Source code G25

E. Form Code W119

F. Quantity Generated in 2005 19.05

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	19.05

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: THIS WASTE IS DEPLETED SPENT FIXER KODAK RAPID FIXER IT HAS SOME DEGREE OF SILVER HALIDES IN IT. MSDS DOES NOT LIST SILVER HALIDES, ONLY ACCUMULATES WHEN FILM IS RUN THROUGH IT. FILM DEPOSITS ITS HEAVY METALS IN THE USED FIXER.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G11 Management Method code for Source code G25	W119	916.27	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	900.39
2	UTD981552177	H040	15.87

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: METHYL CHLOROFORM USED TO CLEAN PARTS.			
B. EPA Hazardous Waste Code: F001		C. State Hazardous Waste Code		
D. Source Code: G11 Management Method code for Source code G25	E. Form Code: W202	F. Quantity Generated in 2005: 1.81	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No			
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	1.81

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	ORGANIC LIQUID FROM DISCARDING OFF-SPECIFICATION/OUT-OF-DATE CHEMICALS/PRODUCTS

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
F001	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W219	0.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	
1	FLD980711071	H141	63.00	

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	PHENOLPHTHALEIN INDICATOR IS PREPARED BY DISSOLVING PHENOLPHTHALEIN POWDER IN ETHANOL AND DILUTING WITH WATER. THE FORMULA FOR PHENOLPHTHALEIN POWDER IS C20H1404.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W219	15.96	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	15.96

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	DNA SEQUENCING USING A PROPRIETARY POLYMER AS A MATRIX. MACHINE #3730 (POLYMER USED HAS A "TRADE SECRET"-ANALYTICAL PERFORMED

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D039	

D. Source Code / Management Method code for Source code G25	E. Form Code	F. Quantity Generated in 2005	G. UOM / Density
G11	W219	12.70	3 / 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?	Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	12.70

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: ORPHAN WASTE.		
B. EPA Hazardous Waste Code: D008		C. State Hazardous Waste Code	
D. Source Code: G11 Management Method code for Source code G25	E. Form Code: W219	F. Quantity Generated in 2005: 33.56	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	33.56

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	SPENT GROWTH MEDIA CONSISTING OF: DEAD AND STERILE BACTERIA, SPENT DIFCO NUTRIENT BROTH IN WATER WITH GROWTH SALTS, AND SILVER.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G11 Management Method code for Source code G25	W219	54.43	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	54.43

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description DIFFERENT SIZES OF BATTERIES THAT HAVE BEEN COLLECTED AND PLACED IN A CONTAINER FOR DISPOSAL.

B. EPA Hazardous Waste Code D008

C. State Hazardous Waste Code

D. Source Code G11

Management Method code for Source code G25

E. Form Code W309

F. Quantity Generated in 2005 0.00

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD982598898	H131	9.07

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description USED GASTEC TUBE FOR ETHYL ALCOHOL, LOW RANGE, #112L DETECTION PRINCIPLE: ETHYL ALCOHOL REDUCES POTASSIUM DICHROMATE TO FORM CHROMIC SULFATE:C2H5OH+K2CR2O3+H2SO4 -) CR2 (SO4)3

B. EPA Hazardous Waste Code D007

C. State Hazardous Waste Code

D. Source Code G11

Management Method code for Source code G25

E. Form Code W316

F. Quantity Generated in 2005 0.06

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	0.06

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: GLASS U-TUBE. BARCODE # 2119760		
B. EPA Hazardous Waste Code: D001		C. State Hazardous Waste Code	
D. Source Code: G11 Management Method code for Source code G25	E. Form Code: W316	F. Quantity Generated in 2005: 0.30	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? No		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: USED DETECTOR TUBE FOR NATURAL GAS, DRAGER CH20001 THIS IS A DRAGER DETECTOR TUBE FOR MONITORING FOR NATURAL GAS, WHICH HAS BEEN USED. THE REACTION PRINCIPLE IS: A) CH4 + KMNO4 + H2S2O7 -)CO B) CO + I2O5 + SEO2 -) I2 +CO2

B. EPA Hazardous Waste Code: D010

C. State Hazardous Waste Code:

D. Source Code: G11

Management Method code for Source code G25:

E. Form Code: W316

F. Quantity Generated in 2005: 0.45

G. UOM: 3

Density: 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site?: No

ON-SITE PROCESS SYSTEM 1

On-site process system type:

Quantity treated, disposed, or recycled on-site in 2005:

ON-SITE PROCESS SYSTEM 2

On-site process system type:

Quantity treated, disposed, or recycled on-site in 2005:

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?: Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.45

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	DRYING TUBE W/DESICANTES BARCODE #-2119761.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G11 Management Method code for Source code G25	W316	1.58	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

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EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	USED DETECTOR TUBES (DRAEGER) FOR HYDROCARBONS 2, DRAEGER TUBE #CH25401-REACTION PRINCIPLE C8H18+SE02-H2S207-) BROWN REACTION PRODUCT

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D010	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W319	0.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.07

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
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EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description BROKEN MERCURY/GLASS THERMOMETER.

B. EPA Hazardous Waste Code D009

C. State Hazardous Waste Code

D. Source Code G11

Management Method code for Source code G25

E. Form Code W319

F. Quantity Generated in 2005 0.10

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	AZ0000337360	H010	0.10

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: SILVER WOOL PACKING		
B. EPA Hazardous Waste Code: D011		C. State Hazardous Waste Code	
D. Source Code: G11 Management Method code for Source code G25	E. Form Code: W319	F. Quantity Generated in 2005: 0.32	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.15

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	INORGANIC SOLIDS FROM DISCARDING OFF-SPECIFICATION/OUT-OF-DATE CHEMICALS/PRODUCTS

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D009	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G11 Management Method code for Source code G25	W319	0.94	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	AZ0000337360	H010	0.94

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
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EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description SOLID WASTE - ARSENIC BY PRODUCTS, SEPTA, SILICA GEL, GLASS PIPETTES, GLASS SILICA GEL GLASS PLATES, NEEDLES (NON-INFECTIOUS). ALL STORED IN A HARD SIDED CONTAINER.

B. EPA Hazardous Waste Code D004

C. State Hazardous Waste Code

D. Source Code G11

Management Method code for Source code G25

E. Form Code W319

F. Quantity Generated in 2005 2.26

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	2.26

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	REFERENCE ELECTRODES AND THERMOMETERS THAT CONTAIN MERCURY FROM CORROSION STUDY EXPERIMENTS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D009	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W319	2.80	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	
1	AZ0000337360	H010	2.80	

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description LEAD SHIELDING AND BROKEN LEAD GLASS AND LEAD METAL

B. EPA Hazardous Waste Code D008

C. State Hazardous Waste Code

D. Source Code G11

Management Method code for Source code G25

E. Form Code W319

F. Quantity Generated in 2005 2,680.81

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	438.44
2	UTD981552177	H040	353.51
3	AZ0000337360	H010	236.20

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	MERCURY SWITCHES AND RELAYS REMOVED FROM ELECTRICAL INSTRUMENTS (MANUFACTURED ARTICLES) WHICH ARE INTACT AND ARE NOT LEAKING.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D009	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G11 Management Method code for Source code G25	W320	0.02	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	AZ0000337360	H010	0.02

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description X-RAY TUBES THAT CONTAIN A BERYLLIUM WINDOW. ALSO CONTAINS (50GRAMS LEAD.

B. EPA Hazardous Waste Code D008

C. State Hazardous Waste Code

D. Source Code G11

Management Method code for Source code G25

E. Form Code W320

F. Quantity Generated in 2005 4.53

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	4.53

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description KITAGAWA GAS DETECTOR TUBE FOR NITROGEN OXIDES # 175SA INERT POROUS CARRIER MATERIAL IMPREGNATED WITH CHROMIC ANNYDRIDE, SULFURIC ACID, AND DIPHENYLAMINE.

B. EPA Hazardous Waste Code D007

C. State Hazardous Waste Code

D. Source Code G11

Management Method code for Source code G25

E. Form Code W409

F. Quantity Generated in 2005 0.02

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.02

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: LANL FACILITY WIDE ELEMENTAL MERCURY.		
B. EPA Hazardous Waste Code: D009		C. State Hazardous Waste Code:	
D. Source Code: G13 Management Method code for Source code G25	E. Form Code: W117	F. Quantity Generated in 2005: 0.24	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	TNR000005397	H111	0.19

Comments

SITE NAME

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LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: CELLULOSIC DEBRIS (KIMWIPES, TERRI-WIPES, PAPER TOWELS) AND PLASTICS (GLOVES, GLASSES, BAGS) CONTAMINATED WITH FRAGMENTS OF LEAD SOLDER AND LEAD SOLDER PASTES. CELLULOSICS ARE DAMP FROM ABSORBED FANTASTIK, BUT CONTAIN NO FREE LIQUID.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D008	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G13 Management Method code for Source code G25	W319	4.53	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	4.53

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE SLAG FROM LEAD FOUNDRY FURNACE OPERATIONS. THE WASTE CONTAINS PRIMARILY LEAD METAL AND LEAD METAL ALLOYS BUT ALSO HAS SOME LEAD OXIDE.

B. EPA Hazardous Waste Code D008

C. State Hazardous Waste Code

D. Source Code G14

Management Method code for Source code G25

E. Form Code W307

F. Quantity Generated in 2005 261.00

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	261.00

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description COPPER PIPING WITH LEAD SOLDER IN JOINTS. PIPING WAS REMOVED FROM OLD EQUIPMENT THAT WAS DEOMMISSIONED.

B. EPA Hazardous Waste Code D008

C. State Hazardous Waste Code

D. Source Code G15

Management Method code for Source code G25

E. Form Code W002

F. Quantity Generated in 2005 4.53

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	4.53

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: DETONABLE SCRAP METAL			
B. EPA Hazardous Waste Code: D003		C. State Hazardous Waste Code		
D. Source Code: G15 Management Method code for Source code G25	E. Form Code: W002	F. Quantity Generated in 2005: 6.80	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? Yes		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type: H129	Quantity treated, disposed, or recycled on-site in 2005: 6.80	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? No		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	MERCURY WITH NON-HAZARDOUS POLYMER SAMPLES FROM PORE SIZE ANALYSIS WITH A MERCURY POROSIMETER.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D009	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G15 Management Method code for Source code G25	W117	3.17	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	AZ0000337360	H010	3.17

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: MERCURY (HG) BUBBLER IS NO LONGER NEEDED. ITEMS TO BE DISCARDED:100ML HG, 2.5 FOOT GLASS TUBE (2 INCH O.D.), 2.5 FOOT GLASS TUBE (1/2 INCH O.D.), 21-FOOT LENGHTS OF TYGON TUBING (1/2 INCH O.D.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D009	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G15 Management Method code for Source code G25	W119	9.07	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	AZ0000337360	H010	9.07

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	SODIUM HYDROXIDE SOLUTION (WATER) FROM SALVAGED HYDROGEN GENERATOR.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G15 Management Method code for Source code G25	W219	0.00	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.00

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	DNA SEQUENCING USING A PROPRIETARY POLYMER AS A MATRIX. MACHINE #3700 (POLYMER USED HAS A "TRADE SECRET"-ANALYTICAL PERFORMED

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D039	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G15 Management Method code for Source code G25	W219	158.76	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	158.76

Comments

SITE NAME

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EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	FLUORESCENT LIGHT BULBS. NON-TCLP COMPLIANT. (A DISPOSAL PATH FORWARD HAS BEEN DETERMINED AND APPROVED BY SME MARK WATERMAN ON 12/5/01.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D009	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G15 Management Method code for Source code G25	W319	9.07	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?	Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	TXD988088464	H111	56.50

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	INORGANIC SOLIDS FROM PROCESS EQUIPMENT CHANGE-OUT OR DISCONTINUATION OF EQUIPMENT USE

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D008	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G15 Management Method code for Source code G25	W319	2,241.69	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: GLOVEBOX GB-207 GENERATED IN LANL. 2 X 3 LOW PROFILE WITH 3/16" THICK 304L STAINLESS STEEL SHELL, 1/4"THICK LEAD SHIELDING, AND 1/16" 304L STAINLESS STEEL CLADDING LEAD SHIELDED ON FOUR WORK FACES BUT NOT ON GLOVEBOX FLOOR OR CEILING.~~

B. EPA Hazardous Waste Code: D008

C. State Hazardous Waste Code:

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
Management Method code for Source code G25: G15	W319	2,466.00	Density: 1
			0.00

Sec. 2

Was any of this waste managed on-site? spec.gra

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005
	No		

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? No

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

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PO BOX 1663, MS K490
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: 55-GAL METAL DRUM CONTAINING PARAFFIN AND METAL PIPE. ALTHOUGH PREVIOUSLY USED FOR SOURCE SHIELDING, IT IS NON-RADIOACTIVE AND FREE OF CONTAMINATION. IN ADDITION, NO RCRA HAZARDOUS CONSTITUENTS WERE USED IN THIS PROCESS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D006	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G15 Management Method code for Source code G25	W409	181.44	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	181.44

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE VAC PUMP OIL AND/OR HYDRAULIC FLUID FROM MERCURY POROSIMETER OPERATIONS

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D009	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	
G16 Management Method code for Source code G25	W206	1.36	3 Density	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	1.36

Comments

SITE NAME

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PO BOX 1663, MS K490
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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	FILTER FROM CUTTING MACHINE CONTAMINATED WITH ETHYLENE GLYCOL.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D004	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G16 Management Method code for Source code G25	W319	0.90	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.90

Comments

SITE NAME

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	FILTERS AND CELLULOSICS SOAKED WITH NON-PCB VACUUM PUMP OIL THAT IS CONTAMINATED WITH HYDROGEN SULFIDE FROM VACUUM PUMP MAINTENANCE OPERATIONS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D003	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G16 Management Method code for Source code G25	W319	5.44	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	
1	UTD981552177	H040	5.44	

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	SPENT DIMETHYLFORMAMIDE NITRIC ACID SOLUTION USED IN METAL POLISHING

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G19 Management Method code for Source code G25	W219	19.00	6	0.95 spec.gra

Sec. 2	Was any of this waste managed on-site?	Yes

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005
H121	76.00		

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: LEGACY WASTE.		
B. EPA Hazardous Waste Code: D001		C. State Hazardous Waste Code	
D. Source Code: G19 Management Method code for Source code G25	E. Form Code: W219	F. Quantity Generated in 2005: 90.72	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? No		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description POTASSIUM METAL WITH SUPER OXIDE COATING GENERATED FROM R&D ACTIVITIES.

B. EPA Hazardous Waste Code D003

C. State Hazardous Waste Code

D. Source Code G19

Management Method code for Source code G25

E. Form Code W319

F. Quantity Generated in 2005 0.10

G. UOM 1

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? Yes

ON-SITE PROCESS SYSTEM 1

On-site process system type H071

Quantity treated, disposed, or recycled on-site in 2005 1.00

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? No

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: ACIDIC AQUEOUS WASTES LESS THAN 5% ACID FROM AIR POLLUTION CONTROL DEVICES			
B. EPA Hazardous Waste Code: D002		C. State Hazardous Waste Code:		
D. Source Code: G21 Management Method code for Source code G25	E. Form Code: W105	F. Quantity Generated in 2005: 0.45	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No			
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.45

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	CAUSTIC AQUEOUS WASTE WITHOUT CYANIDES FROM AIR POLLUTION CONTROL DEVICES

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G21 Management Method code for Source code G25	W110	0.22	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.22

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description LAB PACKS WITH NO ACUTE HAZARDOUS WASTE FROM LABORATORY ANALYTICAL WASTES

B. EPA Hazardous Waste Code D001

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G22 Management Method code for Source code G25	W001	0.22	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	3.00
2	UTD981552177	H040	0.22

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: GLASS WITH A SMALL AMOUNT OF LEAD SUSPENDED WITHIN ITSELF.		
B. EPA Hazardous Waste Code: D008		C. State Hazardous Waste Code	
D. Source Code: G22 Management Method code for Source code G25	E. Form Code: W001	F. Quantity Generated in 2005: 0.45	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.45

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	MERCURY IS USED TO CALIBRATE THE DIFFERENTIAL SCANNING CALORIMETER AT TEMPERATURES BELOW AMBIENT. A DROP OF MERCURY IS PLACED IN AN ALUMINUM PAN AND FROZEN WITH LIQUID NITROGEN.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D009	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G22 Management Method code for Source code G25	W002	0.02	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	AZ0000337360	H010	0.02

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: BOOTIES, LABCOATS, MOPHEADS, GLOVES CONTAMINATED WITH LEAD.		
B. EPA Hazardous Waste Code: D008		C. State Hazardous Waste Code:	
D. Source Code: G22 Management Method code for Source code G25	E. Form Code: W002	F. Quantity Generated in 2005: 18.14	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	18.14

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	65%-75% ISOPROPANOL IN WATER USED TO FLUSH AUTOSAMPLER CAPILLARY TUBING OF GROWTH MEDIA/NUTRIENT BROTH (REFERENCE WPF#36674).

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G22 Management Method code for Source code G25	W101	9.07	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	
1	UTD981552177	H040	9.07	

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description SPENT GROWTH MEDIA CONSISTING OF: DEAD AND STERILE BSL1 MICROORGANISMS, SPENT NUTRIENT BROTH AND YEAST EXTRACT CONTAINING RESIDUAL GROWTH SALTS AND SILVER.

B. EPA Hazardous Waste Code D011

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G22	W101	183.70	3

Management Method code for Source code G25

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	113.40
2	UTD981552177	H040	70.30

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE IS CHLOROETHYL ETHYL SULFIDE, SILVER NITRATE & SULFURIC ACID.

B. EPA Hazardous Waste Code D002

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G22 Management Method code for Source code G25	W103	214.21	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	271.02

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: USED ISOPROPYL ALCOHOL. THIS ISOPROPYL ALCOHOL WAS USED IN THE PROCESSING OF VARIOS INSECTS RETRIEVED FROM SURROUNDING STREAMS. THERE MAY BE MINUTE PARTICLES OF INSECT PARTS CONTAINED IN THE ALCOHOL.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G22 Management Method code for Source code G25	W105	12.70	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	12.70

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: MOBILE PHASE USED IN OUR HIGH PRESSURE LIQUID CHROMATOGRAPY FOR THE ANALYSIS OF HIGH EXPLOSIVE SAMPLES OR INERT SAMPLES. HIGH EXPLOSIVE SAMPLES WILL BE IN SOLUTION. THE MOST COMMON HIGH EXPLOSIVES ANALYZYED ARE PETN, HMX, RDX, TATB.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G22 Management Method code for Source code G25	W107	9.07	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	9.07

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	SPENT KODAK RAPID FIXER SOLUTION. CHARACTERIZATION BY MSDS AND CHEMICAL ANALYSES OF LANL SAMPLES 05SWRC073-078, ASSIGAI LABS ORDER 0502101.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G22 Management Method code for Source code G25	W113	238.14	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	238.14

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: THIS SOLUTION WAS MADE BY DISSOLVING ARSENIC (III) OXIDE IN SODIUM HYDROXIDE AND THEN NEUTRALIZING THE SOLUTION WITH HYDROCLORIC ACID, THEN UTILIZING THE SOLUTION WITH A POLYETHYLENEIMINE-THIOL DERIVATIVE.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D004	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G22 Management Method code for Source code G25	W119	91.17	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	90.72

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: MACHINING OPERATIONS			
B. EPA Hazardous Waste Code: D008		C. State Hazardous Waste Code		
D. Source Code: G22 Management Method code for Source code G25	E. Form Code: W119	F. Quantity Generated in 2005: 181.44	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? No		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description ACETONITRILE/TRIFLUOROACETIC ACID USED IN HPLC METHANOL AND TETRAHYDROFURAN AS MINOR CONSTITUENTS.

B. EPA Hazardous Waste Code D001

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G22	W119	2,111.50	3
Management Method code for Source code G25			Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	988.84
2	UTD981552177	H040	1,256.92

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	PAINT RESIDUE WITH METHYLENE CHLORIDE AND ACETONE FROM SAMPLE PREPARATION OPERATIONS.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
F002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G22 Management Method code for Source code G25	W202	3.72	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?	Yes	
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	3.72

Comments

SITE NAME

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: ONE HUNDRED ML OF A 1M HCL SOLUTION CONTAINING DISSOLVED RADIONUCLIDES FROM "SHOT" IS EXTRACTED FOR 10 MINUTES WITH 100 ML OF O-XYLENE CONTAINING 10G OF DISSOLVED THEONYLTRIFLUOROACETONE (TTA

B. EPA Hazardous Waste Code: D001

C. State Hazardous Waste Code:

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G22	W203	0.20	3

Management Method code for Source code G25

Density: 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	0.34
2	UTD981552177	H040	0.20

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	PAPER, PLASTIC, PPE, WOOD FROM CLEANING JARS AND EQUIPMENT ASSOCIATED WITH ULTRASONIC CHARACTERIZATION PROCESSES. BENZENE CONCENTRATIONS ARE DUE TO THE PRESENCE OF PETROLEUM PRODUCTS ONLY.		
B. EPA Hazardous Waste Code	D018	C. State Hazardous Waste Code		
D. Source Code	G22	E. Form Code	F. Quantity Generated in 2005	G. UOM
Management Method code for Source code G25		W203	0.56	Density 3 / 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?		
	No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		
			Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.56

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description HPLC SOLVENT CONTAINS UP TO 60% ACETONITRILE & TRIETHYLAMINE & HEXAFLUOROISOPROPANOL.

B. EPA Hazardous Waste Code D001

C. State Hazardous Waste Code

D. Source Code G22

Management Method code for Source code G25

E. Form Code W203

F. Quantity Generated in 2005 50.34

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	26.76
2	COD980591184	H141	3.62
3	COD980591184	H061	19.95

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: WASTE SUGAR MOCK.		
B. EPA Hazardous Waste Code: D001		C. State Hazardous Waste Code	
D. Source Code: G22 Management Method code for Source code G25	E. Form Code: W219	F. Quantity Generated in 2005: 0.45	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	4.53

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: THE C02 COULOMETER IS USED TO MEASURE AQUEOUS AND GASEOUS C02. C02 REACTS WITH ETHANOLAMINE IN THE COULOMETRIC SOLUTION TO FORM A TITRATABLE ACID. A TITRATION CURRENT STOICHIOMETRICALLY GENERATES BASE TO NEUTRALIZE THE ACID.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G22 Management Method code for Source code G25	W219	3.62	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	3.62

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description TOLUENE USED IN GEL PERMEATION CHROMOTOGRAPHY (GPC) WITH TRACE TETRAHYDROFURAN AND POLYDIMETHYLSILOXANE.

B. EPA Hazardous Waste Code D001

C. State Hazardous Waste Code

D. Source Code G22

Management Method code for Source code G25

E. Form Code W219

F. Quantity Generated in 2005 25.85

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	25.85

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: THIS WASTE IS BOREHOLE MATERIAL (SOIL) THAT HAS BEEN ARCHIVED FOR THE PURPOSE OF POTENTIAL ADDITIONAL SAMPLING. THE BOREHOLE MATERIAL HAS BEEN ARCHIVED UNDER A STANDARD PROCEDURE. MATERIAL IS MAINLY BOREHOLE MATERIAL IN CARDBOARD BOXES.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D007	

D. Source Code / Management Method code for Source code G25	E. Form Code	F. Quantity Generated in 2005	G. UOM / Density
G22	W301	0.00	3 / 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	TXD988088464	H111	20.41

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: METAL SCALE, FILINGS AND SCRAP (INCLUDING METAL DRUMS) FROM LABORATORY ANALYTICAL WASTES		
B. EPA Hazardous Waste Code: D008		C. State Hazardous Waste Code:	
D. Source Code: G22 Management Method code for Source code G25	E. Form Code: W307	F. Quantity Generated in 2005: 5.44	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	5.44

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description METAL SCALE, FILINGS AND SCRAP (INCLUDING METAL DRUMS) FROM LABORATORY ANALYTICAL WASTES

B. EPA Hazardous Waste Code D005

C. State Hazardous Waste Code

D. Source Code G22

Management Method code for Source code G25

E. Form Code W307

F. Quantity Generated in 2005 27.21

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	27.21

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: THIS WASTE IS BOREHOLE MATERIAL(SOIL) THAT HAS BEEN ARCHIVED FOR THE PURPOSE OF POTENTIAL ADDITIONAL SAMPLING. THE BOREHOLE MATERIAL HAS BEEN ARCHIVED UNDER A STANDARD PROCEDURE. MATERIAL IS MAINLY BOREHOLE MATERIAL IN CARDBOARD BOXES.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D006	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G22 Management Method code for Source code G25	W319	0.00	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	TXD988088464	H111	13.60

Comments

SITE NAME
U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: DECON (GLOVES, PAPERTOWELS)			
B. EPA Hazardous Waste Code: D008		C. State Hazardous Waste Code		
D. Source Code: G22 Management Method code for Source code G25	E. Form Code: W319	F. Quantity Generated in 2005: 0.00	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	TXD988088464	H111	43.99

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE IS GLASS BEAKERS 7 SYRINGE (NO NEEDLE) WITH RESIDUAL MERCURY CHLORIDE.

B. EPA Hazardous Waste Code D009

C. State Hazardous Waste Code

D. Source Code G22

Management Method code for Source code G25

E. Form Code W319

F. Quantity Generated in 2005 0.62

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	AZ0000337360	H010	0.17
2	COD980591184	H141	0.45

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	AGCI PRODUCED DURING SAMPLE PREPARATION FOR D15N IN N03 DETERMINATION.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D011	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G22 Management Method code for Source code G25	W319	1.40	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	1.40

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	LAB TRASH CONTAMINATED WITH RESIDUAL ISOTOPES FROM RADIOACTIVE SAMPLE MOUNTING. RESIDUAL TOLUENE & ACETONE EXISTS FROM CLEANING SAMPLE SURFACE.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
F005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G22 Management Method code for Source code G25	W319	6.80	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description MAGNESIA STABILIZED ZIRCONIA USED TO TEST OXYGEN SENSORS.

B. EPA Hazardous Waste Code D008

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM / Density
G22 Management Method code for Source code G25	W319	86.18	3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	31.75

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	BARIUM INERT SIMULANT (900-15).

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D005	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G22 Management Method code for Source code G25	W319	90.72	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?			No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005	

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: REMOVING PAINT FROM OMEGA BRIDGE		
B. EPA Hazardous Waste Code: D008		C. State Hazardous Waste Code	
D. Source Code: G22 Management Method code for Source code G25	E. Form Code: W319	F. Quantity Generated in 2005: 589.68	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? No		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	EXPLOSIVES OR REACTIVE ORGANIC SOLIDS FROM LABORATORY ANALYTICAL WASTES

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G22 Management Method code for Source code G25	W405	0.00	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	9.10

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description WASTE CONSISTS OF MAGNESIUM PERCHLORATE + ASCARITE II + QUARTZ WOOL USED IN A PROCESS TO PULL CO2 OUT OF THE AIR.

B. EPA Hazardous Waste Code D001

C. State Hazardous Waste Code

D. Source Code G07

Management Method code for Source code G25

E. Form Code W316

F. Quantity Generated in 2005 0.24

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.24

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description PPE/DEBRIS FROM POWDER FOUND DURING D&D OPERATIONS. HISTORICAL SEARCH VIA PERSONNEL FORMERLY WORKING FACILITY INDICATES NO HERBICIDE/PESTICIDE PRESENCE.

B. EPA Hazardous Waste Code D005

C. State Hazardous Waste Code

D. Source Code G49

Management Method code for Source code G25

E. Form Code W319

F. Quantity Generated in 2005 0.00

G. UOM 3

Density 0.00

spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	390.09

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: **NM0890010515**

FORM GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description LEAD SHEETING WITH ASBESTOS/DEBRIS FROM ROOFING JOB AT LANL.

B. EPA Hazardous Waste Code D008

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM / Density
G09 Management Method code for Source code G25	W319	38.55	3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	15.87
2	UTD981552177	H040	22.68

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

FORM
GM

U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	STORAGE MATERIAL AND CLEANUP MATERIAL OF LEAD CONTAMINATION OF FLOOR TILES

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D008	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G31 Management Method code for Source code G25	W310	0.20	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.20

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: MERCURY COLLECTED FROM SPILL CLEANUP OF A BROKEN THERMOMETER.			
B. EPA Hazardous Waste Code: D009		C. State Hazardous Waste Code		
D. Source Code: G32 Management Method code for Source code G25	E. Form Code: W117	F. Quantity Generated in 2005: 0.14	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? No			
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2		
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	AZ0000337360	H010	0.14

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WASTE GENERATED FROM SPILL OF TRAFFIC MARKING PAINT (OIL-BASED) ONTO SOIL. WASTE CONTAINS SOME SOIL SCRAPED UP FROM PAINT THAT WAS SPILLED ONTO SOIL.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D001	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G32 Management Method code for Source code G25	W203	15.87	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	15.87

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description: BROKEN MERCURY/GLASS THERMOMETER AND SPILL CLEAN-UP DEBRIS INCLUDING CELLULOSICS, PLASTIC, GLOVES, TAPE, ZINC DUST, AND ABSORBED CITRIC ACID SOLUTION. SUPPLIES FROM EM SCIENCES CHEMIZORB-HG MERCURY SPILL KIT SX0866 USED TO CLEAN UP SPILL.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D009	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G32 Management Method code for Source code G25	W310	0.90	Density 3 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	COD980591184	H141	0.90

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	MERCURY CONTAMINATED DEBRIS: MERCURY SPONGE KIT GLOES, RAGS, AND GLASS FROM CLEANUP OF A BROKEN THERMOMETER.

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
D009	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G32 Management Method code for Source code G25	W319	0.90	3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	AZ0000337360	H010	0.90

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: KIM TOWELS USED TO CLEAN TOLUENE SPILL.		
B. EPA Hazardous Waste Code: D001		C. State Hazardous Waste Code:	
D. Source Code: G32 Management Method code for Source code G25	E. Form Code: W409	F. Quantity Generated in 2005: 0.06	G. UOM: 3 Density: 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site? No		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	0.06

Comments

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PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description CLEANUP MATERIALS AND EXPERIMENTAL APPARATUS CONTAMINATED WITH MERCURY FROM A BROKEN THERMOMETER.

B. EPA Hazardous Waste Code D009

C. State Hazardous Waste Code

D. Source Code G32

Management Method code for Source code G25

E. Form Code W409

F. Quantity Generated in 2005 0.25

G. UOM 3

Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

ON-SITE PROCESS SYSTEM 2

On-site process system type

Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	AZ0000337360	H010	0.25

Comments

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1

A. Waste Description LEAD CONTAMINATED CELLULOSICS AND FLOOR SWEEPING GENERATED DURING ROUTINE MAINTENANCE OF THE LINE C PIT.

B. EPA Hazardous Waste Code D008

C. State Hazardous Waste Code

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM
G33 Management Method code for Source code G25	W002	16.32	3 Density 0.00 spec.gra

Sec. 2

Was any of this waste managed on-site? No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3

A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? Yes

Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	UTD981552177	H040	16.32

Comments

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	WELL-DEVELOPMENT WATER FROM BOREHOLES B-9, B-10, AND B-13. THIS WASTE WAS GENRATED FROM DEVELOPMENT OF GROUNDWATER MONITORING WELLS AT SWMU-03-010(A) AND 03-001(E).

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
F002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G42 Management Method code for Source code G25	W101	553.84	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description: HIGH EXPLOSIVES CONTAMINATED SOILS			
B. EPA Hazardous Waste Code: D003		C. State Hazardous Waste Code		
D. Source Code: G42 Management Method code for Source code G25	E. Form Code: W301	F. Quantity Generated in 2005: 104.50	G. UOM: 3 Density: 0.00 spec.gra	

Sec. 2	Was any of this waste managed on-site? Yes		
ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type: H129	Quantity treated, disposed, or recycled on-site in 2005: 104.50	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling? No		
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

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EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	PERSONAL PROTECTIVE EQUIPMENT (PPE), DECONTAMINATION TRASH, DISPOSABLE SAMPLING EQUIPMENT, ETC. THAT WERE USED TO SAMPLE GROUNDWATER FROM MONITORING WELL MW-1 AT PRS 3-010(A).		
B. EPA Hazardous Waste Code	F002		C. State Hazardous Waste Code	
D. Source Code G42 Management Method code for Source code G25	E. Form Code W319		F. Quantity Generated in 2005 0.00	G. UOM 3 Density 0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No		
ON-SITE PROCESS SYSTEM 1			ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005		On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		Yes
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005
1	FLD980711071	H141	0.90

Comments

SITE NAME

U.S. NNSA/DOE LOS ALAMOS NATIONAL LAB.
PO BOX 1663, MS K490
LOS ALAMOS, NM 87545

EPA ID NO: NM0890010515

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U.S. ENVIRONMENTAL PROTECTION AGENCY
2005 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

Sec. 1	A. Waste Description	THIS WASTE STREAM WAS GENERATED FROM SUBSURFACE INVESTIGATION ACTIVITIES AT SWMU 03-010(A) AND SWMU 03-001(E).

B. EPA Hazardous Waste Code	C. State Hazardous Waste Code
F002	

D. Source Code	E. Form Code	F. Quantity Generated in 2005	G. UOM	Density
G42 Management Method code for Source code G25	W512	3,674.16	3	0.00 spec.gra

Sec. 2	Was any of this waste managed on-site?	No

ON-SITE PROCESS SYSTEM 1		ON-SITE PROCESS SYSTEM 2	
On-site process system type	Quantity treated, disposed, or recycled on-site in 2005	On-site process system type	Quantity treated, disposed, or recycled on-site in 2005

Sec. 3	A. Was any of this waste shipped off site in 2005 for treatment, disposal, or recycling?		No
Site #	B. EPA ID No. of facility to which waste was shipped	C. Off-site Management Method code shipped to	D. Total quantity shipped in 2005

Comments

LA-UR-05-8650

Distribution is Limited

November 2005

Los Alamos National Laboratory
Hazardous Waste Minimization Report

Document: Hazardous Waste Minimization Report
Date: November 2005

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.

_____ _____

Kenneth M. Hargis
Division Leader
Environmental Stewardship Division
Los Alamos National Laboratory

Date Signed

_____ _____

Gene Turner
Environmental Permitting Manager
Los Alamos Site Office
National Nuclear Security Administration
U.S. Department of Energy
Owner/Operator

Date Signed

All signatures are on file. Report delivered to NMED on November 17, 2005

Document: Hazardous Waste Minimization Report
Date: November 2005

INTERNAL 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 L. Hjeresen
Program Manager
Pollution Prevention Program
Los Alamos National Laboratory

Date Signed

Document:	Hazardous Waste Minimization Report
Date:	November 2005

INTERNAL 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.

_____ _____

Anthony R. Grieggs
Group Leader
Solid Waste Regulatory Compliance
Los Alamos National Laboratory

Date Signed

Document: Hazardous Waste Minimization Report
Date: November 2005

INTERNAL 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.

_____ _____

Jeanne M. Ball
Division Leader
Nuclear Waste and Infrastructure Services
Los Alamos National Laboratory

Date Signed

Document: Hazardous Waste Minimization Report
Date: November 2005

INTERNAL 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.

_____ _____

Alison Dorries
Group Leader
Environmental Characterization and Remediation Group
Los Alamos National Laboratory

Date Signed

1.0 Los Alamos National Laboratory Hazardous Waste Minimization Plan

1.1 Introduction

Waste minimization is an inherent goal within all the operating procedures of the Los Alamos National Laboratory (the Laboratory). The US Department of Energy (DOE) and the Laboratory are required to submit an annual waste minimization plan to the New Mexico Environment Department (NMED) in accordance with the Laboratory's Hazardous Waste Facility Permit. This plan describes the Laboratory-wide hazardous and mixed waste minimization program (WMin/PP) administered by the Environmental Stewardship Division – Pollution Prevention Program (ENV-PP). This plan also supports the Environmental Stewardship Division – Environmental Remediation Services Project (ENV-ERS) WMin/PP goals and describes its programs to incorporate waste reduction practices into ENV-ERS activities and procedures.

The plan was prepared pursuant to the requirements of Module VIII, Section B.1 of the Laboratory's Hazardous Waste Facility Permit (NM0890010515-1).

1.1.1 Background

In 1990 Congress passed the Pollution Prevention Act[i], which changed the focus of environmental policy from "end-of-pipe" regulation to encouraging source reduction or 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 F.R. 10, "Guidance to Hazardous Waste Generators on the Elements of a Waste Minimization Program."[ii] 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)[iii]. 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 also places responsibility for waste minimization/pollution prevention implementation with the waste-generating program.

1.1.2 Purpose and Scope

The purpose of this plan is to document the Laboratory's approach for minimizing hazardous and mixed wastes. This plan discusses the goals, methods, and activities that will be routinely employed to prevent or reduce waste generation in the fiscal year 2006 (FY06), and the plan reports FY05 waste generation quantities and significant waste minimization accomplishments for FY05. This plan also discusses the Laboratory Director's commitment to waste minimization and pollution prevention, provides a discussion of specific program elements of the ENV-PP Program and the ENV-ERS

WMin/PP Program, and presents the barriers to implementation of further significant reductions.

The plan will discuss institutional policies, goals, and training activities that address hazardous and mixed waste generation. The plan will then provide waste minimization information by the following newly generated waste types: hazardous waste, mixed transuranic waste, mixed low-level waste, and the last section will provide a description of the ENV-ERS WMin/PP Program.

1.1.3 Requirements of the Operating Permit

Module VIII, Section B.1, of the Laboratory's Hazardous Waste Facility Permit requires that a waste minimization program be in place and that a certified plan be submitted annually to the administrative authority. The specific requirements of the permit are listed in Table 1.3-1 along with the corresponding section of the plan that addresses the requirement.

Table 1.3-1
Los Alamos National Laboratory Hazardous Waste Facility Permit, Module VIII, Section B.1

Permit Requirement	Topic	Refer to Report Section
Section B.1.(a)(1)	Policy Statement	Section 2.1
Section B.1.(a)(2)	Employee Training	Section 2.2
Section B.1.(a)(2)	Incentives	Section 2.2, 6.0
Section B.1.(a)(3)	Past and Planned Source Reduction and Recycling	Section 2.5.1, 2.5.2, 3.5, 4.4, 5.4, 6.0
Section B.1.(a)(4)	Itemized Capital Expenditures	Section 2.5.1 and 2.5.2
Section B.1.(a)(5)	Barriers to Implementation	Section 3.4.1
Section B.1.(a)(6)	Sources of Information	Section 2.3
Section B.1.(a)(7)	Investigation of Additional WMin Efforts	Section 2.5
Section B.1.(a)(8)	Utilization of Hazardous Materials	Section 2.4
Section B.1.(a)(9)	Justification of Waste Generation	Section 2.4, 6.0
Section B.1.(a)(10)(a)	Site Lead Inventory Program	Section 3.5
Section B.1.(a)(10)(b)	Steel for Lead Substitution Program	Section 3.5
Section B.1.(a)(10)(c)	Lead Shielding Coating Program	Section 3.5
Section B.1.(a)(10)(d)	Lead Decontamination Program	Section 3.5
Section B.1.(a)(10)(e)	Scintillation Cocktail Substitution Program	Section 3.5
Section B.1.(a)(10)(f)	Radioactive Waste Segregation Program	Section 3.5

1.1.4 Organizational Structure and Staff Responsibilities

The Laboratory Director and the Associate Director for Technical Services have oversight responsibilities and provide annual review of the Laboratory-wide WMin/PP Program goals and performance. The ENV Division has primary responsibility for the Laboratory-wide WMin/PP Program, including the ENV-PP Program and the ENV-ERS Project.

The ENV-PP Program has been tasked by the ENV Division to develop and manage the Laboratory-wide WMin/PP and environmental stewardship program. The ENV-PP Program provides oversight for WMin/PP implementation; a base of technical knowledge and resources for WMin/PP practices; assistance with identifying waste generation trends and WMin/PP opportunities; recommendations for WMin/PP solutions and applications; support in tracking and reporting waste generation trends and WMin/PP successes and lessons learned; assistance in preparing funding applications and proposals for WMin/PP projects; and assistance in overcoming WMin/PP implementation barriers.

2.0 Laboratory Waste Minimization Program Elements

2.1 Laboratory Governing Policy on Environment

The Laboratory is developing a prevention-based environmental management system (EMS), which is expected to be self-certified in December 2005. As part of the EMS, the Laboratory Governing Policy contains the Laboratory's official policy on environment. This policy is the basis for setting annual environmental targets and objectives.

The Laboratory's environmental policy statement:
It is the policy of the Los Alamos National Laboratory that we will be responsible stewards of our environment. It is our policy to manage and operate our site in compliance with environmental laws and standards and in harmony with the natural and human environment; meet our environmental permit requirements; use continuous improvement processes to recognize, monitor, and minimize the consequences to the environment stemming from our past, present, and future operations; prevent pollution; foster sustainable use of natural resources; and work to increase the body of knowledge regarding our environment.

2.2 Employee Training and Incentive Programs

Several employee training and incentive programs exist at the Laboratory to identify and implement opportunities for recycling and source reduction of various waste types. The General Employee Training (GET) course, which is mandatory for all Laboratory employees upon being hired, describes recycling policies at the Laboratory and instructs employees on ways to minimize the volume of solid waste generated at the Laboratory. The Waste Generator Overview course, which is mandatory for all employees who generate waste, includes a section on hazardous waste minimization. The Radworker II course, which is mandatory for all employees who come in contact with radioactive wastes, includes a section on minimization of low-level, mixed low-level, and transuranic waste. As part of the EMS implementation process at the Laboratory, an EMS awareness module was developed that features pollution prevention as a key mechanism for environmental management. All Laboratory employees were required to complete this awareness module.

The Laboratory requires generators to minimize waste and conduct prevention measure assessments in waste management guidance documents and in the work planning requirements under the Integrated Work Management Implementation Procedure (IMP 300-00-00.02)

Another management program in place at the Laboratory is the Permits and Requirements Identification (PR-ID) process, which is a tool to assist Laboratory personnel in identifying, managing, and complying with environment, safety, and health Laboratory Implementation Requirements, which may impact project planning and execution. This process incorporates the evaluation of potential waste-generating activities before project startup and includes review by a WMin/PP subject-matter expert.

The Laboratory's ENV-PP Program and DOE-EH Headquarters in conjunction with NNSA sponsor annual pollution prevention awards programs. The programs provide recognition to personnel who implement pollution prevention projects. The Laboratory submits nominations for the DOE/NNSA Headquarters awards each year. The Laboratory received seven awards for pollution prevention projects during FY05. These projects are expected to eliminate over $2 million in costs annually. The two projects described below involve a reduction of waste with a hazardous component.

- Los Alamos National Laboratory Integrated Work Management Process and Job Hazard Analysis Tool Implementation – This project integrates security, safety, and environment at the work level. This system ensures that pollution prevention is incorporated at the work planning stage. Possible methods for waste reduction can be identified at the beginning.

- Oil-Free Vacuum Pumps – Several Divisions have installed oil-free vacuum pumps for a variety of applications. These are especially valuable in radiation control areas since oil generated in those areas can become MLLW. The traditional oil pumps previously used for those applications required oil changes between one and twelve times per year, and now a substantial amount of time is saved.

The Pollution Prevention team holds a Pollution Prevention award ceremony every year in conjunction with other Earth Day activities. Laboratory employees can submit descriptions of projects they completed during the past year that reduced waste generation at the Laboratory. At the award ceremony, each participating individual and team is recognized with award certificates. Winning UC employees also receive a cash bonus. During FY05, the Pollution Prevention team gave over 200 awards to people who worked on 39 projects to reduce waste generation the Laboratory.

Each year the Pollution Prevention team invites waste generators to submit proposals for funds to buy new equipment or validate new processes that are expected to reduce waste. The program is commonly known as the Generator Set-Aside Fee (GSAF) program, and the funds for these grants are collected by means of a small tax on the generation of each waste item. The Pollution Prevention team reviews the GSAF proposals and distributes the available funds to the projects. If there is not enough money in a given year to fund all of the proposals, the projects are funded based on the amount and type of waste that could be reduced. Estimated returns on investment are calculated, and the projects with the highest projected returns are funded first. Projects that have the potential to continually reduce waste for many years into the future are given priority funding.

In addition to being a positive financial incentive for researchers to try promising new equipment or procedures that might reduce waste, the GSAF program also acts as a negative financial incentive to creating waste because research programs must pay a tax on all waste generated. Costs of taxes and disposal fees will be lower by reducing the amount of waste produced, so researchers have multiple incentives to minimize waste.

2.3 External Sources of Information

The Pollution Prevention team members at the Laboratory are active in other organizations dedicated to the reduction of various types of waste, and some of the information used in ideas implemented at the Laboratory comes from these external sources.

The Pollution Prevention program manager is chair of the Industrial and Engineering Division of the American Chemical Society, serves on the Governing Board of the Green Chemistry Institute, and is on the Energy Facility Contractors Group environmental subcommittee. Three team members belong to the New Mexico Recycling Coalition, and one serves on their Board. One team member has actively participated in the National Pollution Prevention Roundtable's Federal Facility Workgroup since its inception. Two team members serve on the Los Alamos County Solid Waste Advisory Board, and one is the chair. Several team members belong to the National Registry of Environmental Professionals. One team member belongs to the Institute of Hazardous Materials Managers.

In FY05, the Pollution Prevention team had a booth at a community Earth Day event staged by a local environmental group called the Pajarito Environmental Education Center. The Pollution Prevention team gets information on waste source reduction and recycling from local environmental organizations as well as ideas from lessons learned from the DOE and other sites with waste management issues.

The Pollution Prevention Team relies on internet resources such as the US EPA-sponsored P2 Rx, a national pollution prevention information network, US DOE websites, and vendor websites. The Laboratory is a member of the U.S. Green Building Council, and the Pollution Prevention Team makes use of their website. Staff regularly attends conferences on pollution prevention and sustainable design sponsored by DOE, Tradeline, Labs 21, National Pollution Prevention Roundtable, and other organizations. The Laboratory also participates in quarterly P2 conference calls hosted by DOE. The Pollution Prevention Team holds a quarterly P2 program review with DOE Pollution Prevention staff.

2.4 Utilization and Justification for the Use of Hazardous Materials

The Laboratory is a research and development (R&D) facility that sponsors thousands of projects requiring the use of chemicals or materials that may create a hazardous waste. The Laboratory has established pollution prevention and waste minimization requirements for waste generators that include source reduction and material substitution techniques. Best management practices to reduce hazardous waste generation such as the use of micro-scale chemistry, use of non-hazardous cleaning solutions, and other prevention techniques have been adopted across the Laboratory. However, hazardous material use is necessary in some research projects due to customer requirements, project specifications, or the basis of the research.

To encourage the use of non-toxic or less hazardous substitutes whenever possible, the Pollution Prevention team linked a database of alternative chemical choices to its own website during FY05. The database of alternative chemicals was developed by researchers at the Massachusetts Institute of Technology. The database contains possible alternatives

to some hazardous chemicals for particular processes. Everyone at the Laboratory now has access to the database of non-toxic or less hazardous alternative chemicals.

2.5 Investigation of Additional Waste Minimization and Pollution Prevention Efforts

The Pollution Prevention team is constantly looking for new projects to implement that have the potential to reduce waste generation and increase recycling at the Laboratory. The GSAF program is an ongoing program that provides funds to researchers for equipment or validation of new procedures that have the potential to reduce waste generation. The funds cover capital expenditures and frequently cover a portion of the installation and/or operating expenses as well. The ideas for waste reduction often come directly from waste generators or their waste management coordinators, and the Pollution Prevention team also comes up with many of the project ideas. Pollution Prevention team members frequently assist waste generators with the implementation of these projects.

During FY05, each Division at the Laboratory participated in the EMS process and examined its particular impacts on the environment. As a result of the EMS process, each Division created an action plan with objectives and targets for reducing its environmental impact. These action plans provide ideas for projects to implement that will reduce waste generation, increase recycling, save energy, or otherwise reduce environmental impacts.

In addition, the Pollution Prevention Program conducts Pollution Prevention Opportunity Assessments (PPOA) to analyze waste generating processes and develop prevention alternatives. In FY 05, the following PPOAs were completed:

- Chemical Baseline: Environmental High Risk Chemicals (EHRC) and Greener Chemical Alternatives and Substitutions for Bioscience Division: This PPOA examined the use trends of environmentally high risk chemicals and identified green alternatives to two chemicals in use at B Division.
- Revisiting Green is Clean Program Implementation: This PPOA reexamined Green is Clean implementation over the past three years and identified actions to promote and increase GIC performance. This action plan is now tied to Appendix F measures for FY 06.
- Waste Reduction at Aramark Otowi Café: This PPOA examined solid waste trends at Otowi café and developed an action plan to reduce solid waste and increase Otowi Café users' awareness of solid waste issues and reduction opportunities.
- LLW Waste Reduction in Crafts at NMT and CMR: This PPOA examined crafts' material use in and around RCAs and identified procedures and approaches to reduce generation of unnecessary LLW from these activities.
- Minimization of Mercury-Containing Waste in a DX Laboratory: This PPOA examined the use of a mercury sampler at DX and identified non-mercury equipment that could be used as a replacement.
- Source Elimination at DX. This PPOA summarized the waste reductions that were realized through FY 05 through waste minimization activities. Total waste reductions for selected activities were 75%.

2.5.1 Funded Projects

The following lists are titles of GSAF projects and the amounts of funding that they received during the past five years. GSAF projects address TRU, MTRU, LLW, MLLW, HAZ, State, Solid Waste, Toxics Release Inventory Chemicals, and, beginning in FY 05, Radioactive Liquid Waste. However, the following lists only represent projects that were designed to reduce hazardous, MLLW, or MTRU waste.

In FY2001, GSAF funds were allocated to the following projects:

Reduction of Mixed and Low-Level Waste with Imaging Scanner ($23,524)
Nitric Acid Waste Elimination ($50,000)
Coolant Recovery System Upgrade and Addition ($34,500)
Chemical and Equipment Reuse System ($30,000)
Validation of New Chemical Oxygen Demand Test ($13,045)
Identification of Mercury in Sink Drains ($33,000)
Nitrate Waste Elimination ($30,000)

In FY2002, GSAF funds were allocated to the following projects:

Organic Destruction of DX Waste Stream ($50,000)
Oil Characterization and Solidification ($50,000)
Solvent Still Chiller ($6,400)
Binder Ignition Oven for Materials Testing Lab ($10,000)
Granulator of Combustible TRU Waste ($112,585)
Solidification of Aqueous Liquids ($35,000)
LANSCE MLLW Reduction Project ($68,000)
Upgrade of Mercury Shutters ($121,000)

In FY2003, GSAF funds were allocated to the following projects:

Pyroclean Oven for Organic Synthesis Laboratory ($17,000)

- The Pyroclean oven is used to clean glassware with organic residues using only heat to destroy the residues. The oven eliminates the need for solvents and acid to clean the glassware and eliminates the hazardous waste generated by the cleaning process. The laboratory staff can spend their time on more important tasks, and using the oven causes less glass breakage and risk than manual cleaning.

Chemical Pharmacy ($50,000)

- Chemistry Division piloted a chemical pharmacy in one of their groups. The idea was to generate less hazardous waste by sharing chemicals so that they could be completely used up instead of disposing of partially used chemicals. The idea was successful, and researchers working in close proximity to each other are encouraged to share chemicals whenever possible.

Cost and Waste Reduction in Ultra-Trace Cleaning Operation ($37,667)

- The Pollution Prevention team purchased an ultra-trace cleaning system to recycle acid used for cleaning glassware used for inorganic chemical analysis. An estimated 100L per year of hazardous acid waste are now avoided.

Non-Hazardous Resuspension Solution for DNA Sequencing ($56,632)

- The Pollution Prevention team provided money to a research team from Bioscience Division to test a non-hazardous substitute for formamide that they developed in the process to prepare DNA for sequencing. By eliminating formamide, no hazardous waste gets generated from the DNA sequencing process.

Processing of PETN with Supercritical Carbon Dioxide ($50,000)

- The Pollution Prevention team provided money to DX Division to test a method for processing PETN with supercritical carbon dioxide instead of with a mixture of acetone, ethanol, and water. Using non-hazardous carbon dioxide would eliminate 250 gallons of hazardous waste annually.

Reuse of CMR Surplus Chemicals at UTEP Chemistry Department ($1,200)

- The Pollution Prevention team gave money to Chemistry Division to ship surplus, usable chemicals to the Chemistry Department at the University of Texas at El Paso. This project avoided the generation of approximately 60 kg of hazardous waste.

In FY2004, GSAF funds were allocated to the following projects:

Contaminated Lead and Scrap Metal Abatement ($35,000)

- Excess lead bricks and pigs with some external radioactive contamination were collected at the Laboratory for shipping to Duratek. The lead was recast into linings for drums designed to store radioactive waste.

Recycling Shipment of Lead from Radiation Control Areas ($36,000)

- Approximately 30,000 kg of lead with external radioactive contamination were shipped to Duratek for recycling into drum liners. This lead would have become MLLW if it had not been recycled.

Micro-Scale Chemistry ($5,000)

- This project proved the effectiveness of using micro-scale quantities of solvents for chemical synthesis experiments. Instead of reactions involving 25ml – 2L of solvents each, these experiments can now be done with 1-5ml each. An estimated 20 kg of hazardous waste is avoided annually through this project.

Oil-Free Vacuum Pumps at LANSCE Lujan Target ($91,530)

- An estimated 368 kg of MLLW oil is avoided annually with this project. By switching to oil-free vacuum pumps to operate the target at the Lujan Neutron Scattering Center, no oil needs to be changed monthly. Not only is a significant amount of MLLW avoided, but a lot of time is saved for more important tasks as well.

Aerosol Puncturing Unit ($1,000)

- The Pollution Prevention team purchased an aerosol can puncturing unit for the staff at TA-55. By puncturing aerosol cans and draining the contents, the steel bodies can be recycled, and the amount of hazardous waste generated can be reduced.

Precious Metals Recovery by Electrowinning ($15,000)

- The Pollution Prevention team purchased a commercial electrowinning unit for MST Division. By installing this unit in the plating shop, approximately 100gallons of cyanide solution hazardous waste can be avoided annually since

the cyanide is broken down and the resulting liquid can act as rinsate. In addition, about 2kg each of gold and silver were recovered from solution.

Development of Bench Scale Molten Salt Oxidation Processes for Treating Pu-238 Contaminated Combustible Waste ($89,500)

- The Pollution Prevention team provided money to test a molten salt oxidation unit. The idea is to oxidize materials such as cheesecloth and plastic contaminated with Pu-238 without using a flame. Doing so allows recovery of the Pu-238 and reduces the volume of waste.

In FY2005, GSAF funds were allocated to the following projects:

Reuse, Recycling, and Reduction of an ICP-AES ($4111)

- The Pollution Prevention team paid to have a 7-year old ICP-AES machine and accompanying hardware sent to New Mexico Institute of Mining and Technology. Without the new user, the equipment would have become about 500kg of hazardous waste.

Lead-Free Ammunition for Small-Arms Range ($40,000)

- The Pollution Prevention team purchased 100,000 rounds of lead-free ammunition for the guard staff to use at the practice range. These bullets will be tested during the next training class during January 2006.

Solidification of Liquid Residues ($25,000)

- This project examined the potential to use NoChar to solidify liquid rad waste with RCRA constituents to provide a disposal path for the materials, which are classified as No Path Forward wastes. This project is waiting for WIPP certification.

Aerosol Can Puncture Units ($6360)

- The Pollution Prevention team purchased six aerosol can puncturing units for various sites so that more of these can bodies can be recycled.

Mercury-Free Sampler ($10,000)

- This team designed a new system for testing compatibility of high explosives with other materials. The old system involved glass tubes of mercury to detect gas generation, and this method sometimes created a no path forward waste. The new system uses no mercury, reduces waste, and saves staff time on machine maintenance since filtering the mercury was frequently necessary.

Lead Recycling from TA-48 and CMR ($120,000)

- The Pollution Prevention team paid to have approximately 22,000 lbs of lead bricks with surface radioactive contamination sent to Duratek for recycling into drum liners, thereby reducing MLLW generation.

Statistical Analysis of Glovebox Glove Failures ($45,000)

- Working with New Mexico State University, NMT Division examined the causes of unplanned glove breaches. The data will assist in reducing the number of unexpected glove breaches, thereby reducing potential generation of TRU, MTRU, or low-level waste and also creating a safer working environment for the staff.

2.5.2 Current FY 06 Projects

FY06 GSAF projects are chosen from the submissions of Laboratory employees and funded in November. The first priority for funds is always given to projects with the potential to eliminate waste streams with no known disposal path. The second priority is given to projects that could reduce mixed TRU waste, TRU waste, MLLW, LLW, and hazardous waste. About 60% of the funds are for the solid wastes described above, and the balance is reserved for projects to minimize radioactive liquid waste. FY06 projects that support the EMS objectives and targets of a Division received additional consideration.

The following list contains titles of GSAF projects and the amounts of funding they received during FY06 that specifically address hazardous and mixed waste types.

Investigation of Chromatographic Resin Used for Trace Element Analysis ($10,000)
Recycle Nitric Acid Demonstration ($74,300)
Qualification of Recycled Nitric Acid for the Aqueous MOx PuO2 Polishing Project ($106, 978)
Acid Recycle ($30,000)
Plastic Replacement ($35,000)
Laboratory Automation to Reduce MLLW Generation ($25,000)
Eliminating high normality HCl ($20,420)
Statistical Analysis of Glovebox Failures, Part 2 ($45,000)
Elimination of Peroxide Forming Waste Stream ($12,000)
X-Ray Fluorescence Method Improvements to Reduce TRU Waste ($36,800)
MLLW Vacuum Pump Replacement ($25,000)
Sno-Machining, Part 2 ($60,000)
Plasite Paint Stripper Substitution Project ($8,000)
Tritium Sign Replacement Survey ($5,000)
Chemical Life Cycle Management ($60,000)
DX P2 Plan Development ($42,700)

3.0 Hazardous and New Mexico Special Waste

3.1 Introduction

The annual hazardous waste disposal amount reported as part of the Pollution Prevention Program DOE reporting requirements is based on the total waste disposed through the Laboratory's Solid Waste Operations (SWO) system and does not include waste generation amounts prior to on-site treatment.

In brief, 40 Code of Federal Regulations (CFR) 261.3, as adopted by the NMED as 20.4.1.200 NMAC, define 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, corrosivity, 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 at the Laboratory 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 high-explosives (HE) wastewater treatment plants also qualify as hazardous waste.

Most hazardous wastes are disposed of through Duratek Federal Services, a Laboratory subcontractor. This company sends 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 to the Laboratory at commercial rates specific to the treatment and disposal circumstance. Figure 3-1 shows a process map for waste generation at the Laboratory.

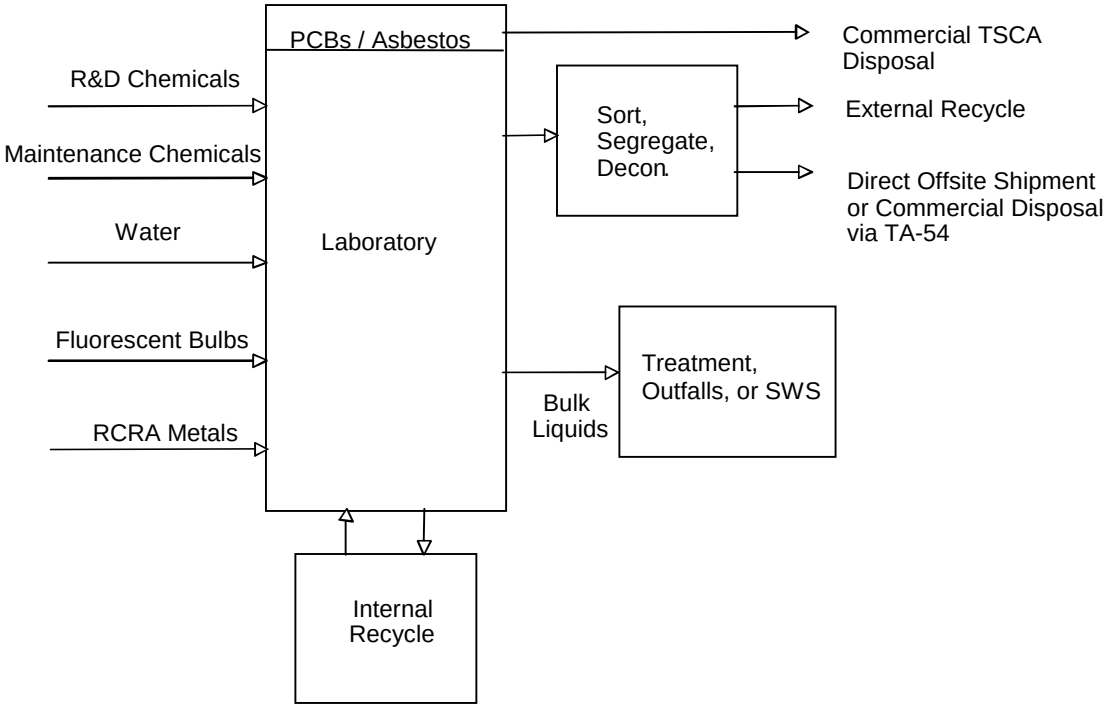

Figure 3-1. Waste process map

The quantity of routine and non-routine hazardous waste that was generated at the Laboratory and the amount of hazardous materials that were recycled during FY05 is shown in Figure 3-2.

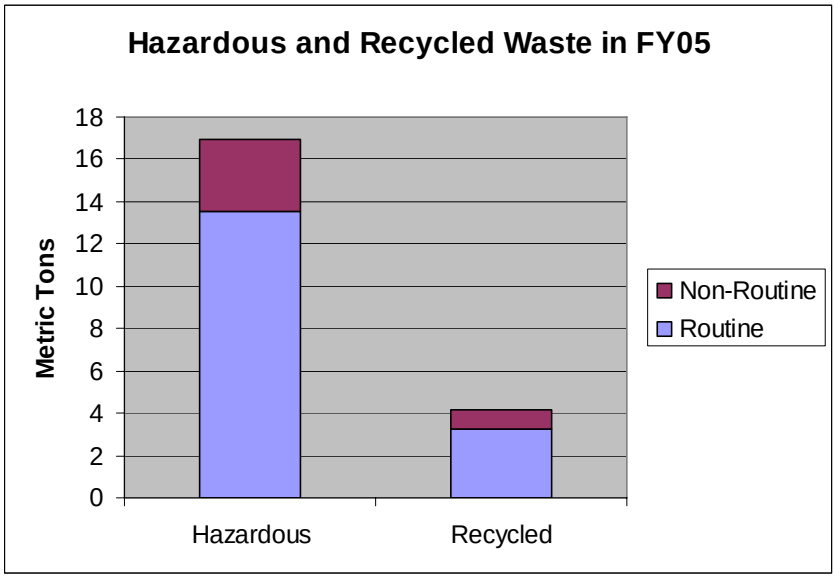

Figure 3-2. Hazardous waste and recycled hazardous materials generated during FY05

The Divisions that produced the most hazardous waste at the Laboratory during FY05 were Biosciences (B), Facility Management (FM), Chemistry (C), Material Science and Technology (MST), Dynamic Experimentation (DX), Engineering Science and Applications (ESA), and Nuclear Materials Technology (NMT). The hazardous waste generation by division is shown in the pie chart in Figure 3-3.

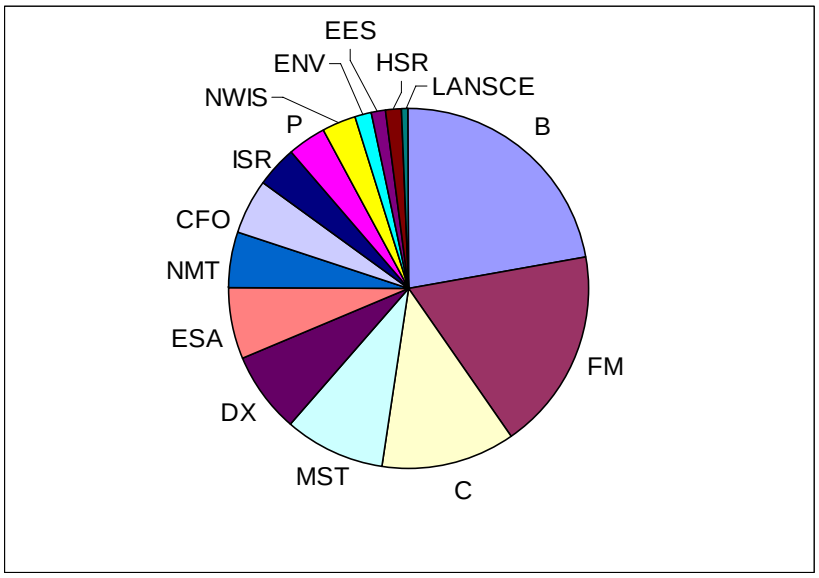

Figure 3-3. Hazardous waste by Division during FY05. This includes routine and non-routine hazardous waste generation.

3.2 Hazardous Waste Minimization Performance

The DOE Secretarial Pollution Prevention / Energy Efficiency 2005 goal was to reduce hazardous waste and New Mexico Special State waste from routine operations by 90%, using a calendar-year 1993 (CY93) baseline. The Laboratory's CY93 baseline quantity was 307,000 kg; therefore, the FY05 target was 30,700 kg. The graph created for the DOE is included in this report to illustrate the significant downward trend in routine hazardous and State waste generation over time. The DOE requires the Laboratory to separate routine and non-routine waste for reporting purposes, and the Pollution Prevention team focuses more attention on routine waste streams since they are generated from ongoing operations where prevention interventions are most applicable. Non-routine waste comes primarily from restoration activities where waste is already generated and prevention opportunities are limited.

The trend over the last several years has been good, with the FY05 goal having been met three years early in FY02. The amount of routine hazardous and State waste generated in FY05 was 14.63 metric tons, excluding recycled materials such as batteries, aerosol cans, bulbs, and elemental mercury. The Laboratory's performance in routine hazardous waste generation is shown in Figure 3-4.

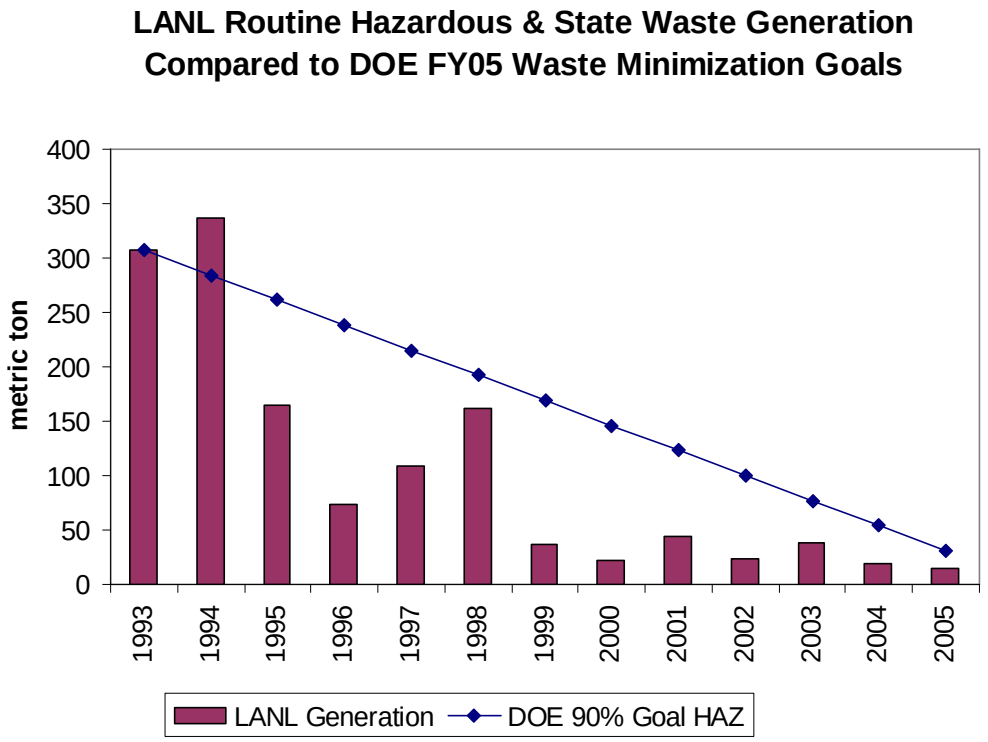

Figure 3-4. Routine hazardous and State waste generation compared with DOE's FY05 Hazardous and State Waste 90% reduction goal.

3.3 Waste Stream Analysis

Hazardous waste is derived from hazardous materials and chemicals purchased, used, and disposed of; hazardous materials already resident at the Laboratory that are disposed of as part of equipment replacement, facility replacement or decommissioning; and water contaminated with hazardous materials. After material is declared waste, hazardous waste is characterized, labeled, and collected in appropriate storage areas. The waste is then either shipped directly to offsite TSDFs or transshipped to Area L of Technical Area (TA)-54, from which the waste gets shipped to an offsite TSDF. ENV-ERS project waste is typically shipped directly from sites to commercial TSDFs. Spent research and production chemicals make up the largest number of hazardous waste items.

The largest waste streams in the Laboratory's routine and non-routine hazardous waste category for FY05 are described in section 3.3. This analysis excludes ENV-ERS wastes since this material is discussed in section 6.0. This analysis also excludes items that are recycled such as aerosol cans, batteries, and ferric chloride solution. The Laboratory also generates HE waste and HE waste waters that are treated on site, and these are also excluded. The breakdown of various components of hazardous waste for FY05 is shown in Figure 3-5.

Solvents. EPA-listed and characteristic solvents and solvent-water mixtures are used widely at the Laboratory in research, maintenance, and production operations. Non-toxic replacements for solvents are used whenever possible, and new procedures are adopted when available that either require less solvent than before or eliminate the need for solvent altogether. As a result, the total volume of solvents generated at the Laboratory has decreased over the past decade. However, solvents are still required for many procedures, and solvents persist as a large component of the Laboratory's hazardous waste stream.

Unused/Unspent Chemicals. The volume of unused and unspent chemicals varies each year, but this waste stream usually composes a significant fraction of the Laboratory's total hazardous waste. Researchers are encouraged not to buy more of any chemical than they are certain to need for the next several months to avoid having any unused amount. The Laboratory is always looking for ways to improve the chemical procurement system so that new chemicals can be delivered very quickly, and lost research time due caused by delays in chemical shipments can be avoided.

Strong Acids and Bases. A variety of strong acids and bases, such as hydrochloric acid and sodium hydroxide, are routinely used in research, testing, and production operations. Over the past decade, the Laboratory has reduced its overall volume of hazardous acid and base waste 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. Strong acids made up over 90% of this waste stream during FY05.

Hazardous Solids. This waste stream includes inert barium simulants from DX Division, soil samples, contaminated equipment, cathode ray tubes, demolition debris, and various solid chemical residues from experiments. Nearly 75% of this waste stream during FY05 was painted wallboard from a demolition project.

Hazardous Liquids. This waste stream is primarily aqueous, neutral liquids generated from a variety of analytical chemistry procedures. About half of this stream during FY05 came from spent photochemicals. This waste stream also includes cutting fluid contaminated with lead, nutrient broth, and water samples.

Lab Trash and Spill Clean-up. 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. Lab trash mostly consists of paper towels, pipettes, personal protective equipment, and disposable lab equipment.

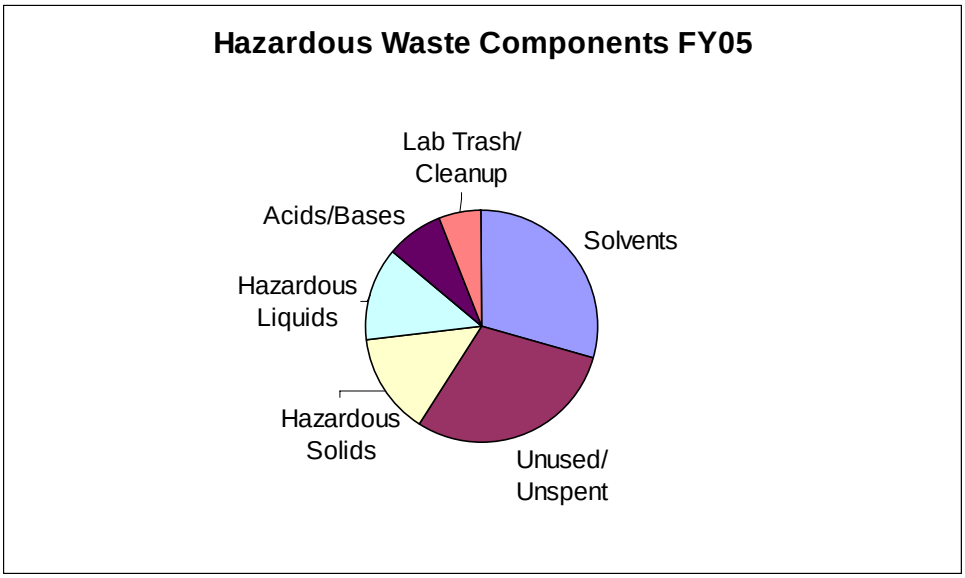

Figure 3-5. FY05 hazardous waste stream components excluding ENV-ERS waste.

3.4 Hazardous Waste Minimization

The Laboratory requires chemicals to perform research and development experiments, properly maintain its facilities, and produce materials and items related to mission activities. The Laboratory follows good laboratory practices and trains its employees extensively to work safely with chemicals and minimize the amount of waste generated. The Laboratory is always looking for new equipment or process technologies that will reduce the amount and/or toxicity of chemical waste generated. The Laboratory is working on a Chemical Life Cycle Management Plan that will improve chemical procurement, encourage use of surplus chemicals on-site and provide greener alternatives. Reducing chemical waste generation has many positive implications including improved efficiency, lower costs, easier compliance with environmental regulations, and a safer working environment.

3.4.1 Hindrances to Hazardous Waste Minimization

One significant component of the hazardous waste stream at the Laboratory is 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.

Many private companies and DOE facilities have a chemical pharmacy that provides a central location where good chemicals can be stored and used by any employee who needs them. However, this situation is not practical at the Laboratory because the research sites are very spread out. Transporting the large number of unused and unspent chemicals generated at the Laboratory would make individual shipments very logistically complex.

The program would be costly from a personnel perspective since additional full-time employees would be required to manage the pharmacy, coordinate shipping, and drive the chemicals safely from one site to another.

Although a central chemical pharmacy at the Laboratory is impractical, the existing ChemLog chemical inventory system is being modified so that chemical users can list and look at unspent chemical lists of other researchers before those chemicals become classified as waste. This list will allow researchers in the same building or nearby buildings to share unspent chemicals and reduce the number of items contributing to this waste stream.

3.5 Ongoing Hazardous Waste Minimization Programs

Lead Sharing

Several Divisions at the Laboratory maintain a supply of lead bricks for protective shielding purposes. The Laboratory has a program to share surplus lead among Divisions so that no new lead needs to be purchased. Each Division has an inventory of their stored lead reserves. Uncontaminated lead that is unnecessary anywhere at the Laboratory can be recycled offsite or recast into new shapes for internal reuse. During FY05, the Laboratory recycled 11.37 metric tons of lead.

Lead Substitution and Removal

Several Laboratory Divisions have examined non-hazardous substitutes for lead. Stainless steel is a good substitute for many purposes, but it is often too expensive to be practical, especially when surplus lead tends to be available from other Laboratory Divisions. Other lead substitutes are being used in many instances. Shielding bricks made of a bismuth or tungsten-based material are being used in some areas; lead-free personal protection aprons are used in some laboratories; and plastic pipe valve ties replaced all of the lead ties that were formerly used to protect valves from tampering.

During FY05, over 230 lbs. of lead-containing cathode ray tubes from electronic equipment was removed from radiation control areas. The tubes were carefully surveyed for contamination, and when none was found, they were sent away for disposal as non-routine hazardous waste. By removing these items from radiological control areas (RCAs), the potential for creating mixed low-level waste was significantly reduced.

Lead Protection

Many researchers at the Laboratory protect their lead bricks from contamination by wrapping them in tape or by placing them in plastic bags. Lead bricks are often used behind concrete barriers for shielding purposes, and the concrete acts as protection for the lead in these cases.

The Laboratory does not use a bench-scale, onsite method to decontaminate lead. If lead bricks become damaged, the lead bricks can be sent to an offsite facility for recasting into new bricks or custom shapes. If lead becomes contaminated, it can be sent to a different offsite facility for decontamination.

Non-Hazardous Scintillation Fluid
Non-hazardous scintillation fluid has become commonly used at the Laboratory. No hazardous waste or mixed low-level waste scintillation fluid was generated at the Laboratory during FY05. The shift away from the hazardous variety of scintillation fluid reflects the desire of the Laboratory to improve safety for its employees and minimize impact to the environment.

Radioactive Waste Segregation
The Laboratory has had a program in place for many years to prevent the commingling of radioactive waste with other types of waste. In labs that perform work with radioactive substances, particular areas of the lab or bench are clearly marked off so that any potential contamination can be contained to a small area. The marked area in the lab contributes to overall good housekeeping procedures, and hazardous chemicals not directly involved in experiments in these marked areas can be kept away to prevent the unnecessary generation of mixed low-level waste.

Mercury Substitution
One ongoing project at the Laboratory is to replace mercury-containing thermometers 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 radiation control areas so that the generation of mixed low-level waste can be avoided. The mercury in replaced thermometers and in other obsolete mercury-containing equipment gets recycled.

Acid Waste Reduction and Recycling
The metal plating shop in MST 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 400kg of hazardous waste acid are eliminated every year.

Base Waste Reduction and Recycling
The Detonator Technology group (DX-1) 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 at the Laboratory in a process to neutralize acidic waste. The neutralization procedure works very well with the spent caustic solution. About 1200 gallons of caustic solution hazardous waste are avoided annually.

Solvent Waste Reduction and Recycling
There have been many projects implemented at the Laboratory to reduce the use of solvents since solvents have consistently been one of the largest components of the routine 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 are destroyed by a catalytic oxidizer system.

- The Laboratory's 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 works better for cleaning metal parts than solvent. The hot water parts washer saves time for employees, decreases their chemical exposure, and reduced hazardous waste solvent generation by about 4000kg annually.

- The Material Testing Lab now 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 400kg of hazardous waste annually.

- In Bioscience Division, the solvent formamide has been eliminated from the preparation process to sequence strands of DNA. Formamide is a suspect teratogen, and Laboratory employees performed validation experiments to prove that a water-based solution called TE worked just as well as formamide for resuspending DNA prior to sequencing. Eliminating formamide reduces hazardous waste solvent and lab trash, thereby reducing paperwork and costs. The National Nuclear Security Administration (NNSA) gave this project a Best-in-Class Pollution Prevention award in 2004.

- The Chemistry Division organic synthesis team once performed experimental chemical synthesis activities in macro-scale glassware (25mL to 2L) reaction vessels. Now the researchers use reaction vessels of 5mL or less, which reduces the volume of solvent used. Typical solvents include toluene, methylene chloride, tetrahydrofuran, and ethanol.

Coolant Waste Reduction and Recycling

MST and ESA 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. Collectively, these two divisions used to produce about 15,000kg of hazardous waste coolant annually. The coolant recycling system eliminated coolant waste from these facilities, and now only recyclable oil is generated.

Spill Waste Recycling and Reduction

One of the largest sources of routine State waste in the past was oil-contaminated soil from heavy equipment oil leaks on Laboratory property. The heavy equipment maintenance shop systematically replaced the aluminum hose fittings on heavy equipment with stronger

steel fittings, and the number of leaks and the amount of waste generated was reduced by over two-thirds.

The heavy equipment maintenance shop also generated routine State waste by soaking up oil spills inside the shop with vermiculite. The shop started using a different absorbent that contained oil-digesting bacteria. By storing used absorbent in a special bin for a few weeks, the oil would be completely digested, and the absorbent could be reused indefinitely within the shop. The heavy equipment maintenance shop reduced its generation of State waste and its purchases of vermiculite by over 95%. The NNSA gave the heavy equipment maintenance shop a Pollution Prevention award in 2004.

Lead-Free Ammunition

Lead is a persistent, bioaccumulative toxin in the environment. Under the Emergency Planning and Community Right-to-Know Act (EPCRA), Section 313, lead is a toxic release inventory (TRI) compound with a reporting threshold of 100 lbs. Historically, the Laboratory security contractor, PTLA, has used lead 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. PTLA received the lead-free bullets during the summer of 2005, and they will be used during the next training course that begins in January 2006.

4.0 Transuranic and Mixed Transuranic Waste

4.1 Introduction

Transuranic (TRU) waste is waste containing >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 (HLW); (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 Code of Federal Regulations 40 CFR 191; or (3) waste that the United States Nuclear Regulatory Commission (NRC) has approved for disposal on a case-by-case basis in accordance with 10 CFR 61. TRU waste is generated during research, development, nuclear weapons production, and spent nuclear fuel reprocessing.

TRU waste has radioactive elements such as plutonium, with lesser amounts of neptunium, americium, curium, and californium. These radionuclides generally decay by emitting alpha particles. TRU waste also contains radionuclides that emit gamma radiation, requiring it to be either contact handled or remote handled. Mixed TRU (MTRU) waste is defined the same way as TRU waste, except that is also contains hazardous chemicals regulated under the Resource Conservation and Recovery Act (RCRA).

MTRU and TRU waste at the Laboratory can be classified as either legacy waste or newly generated waste. Legacy waste is that waste generated before September 30, 1998. DOE Environmental Management (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; DOE/Defense Programs (DOE/DP) is responsible for disposing of this waste at WIPP. This report focuses only on the newly generated wastes. Within this broad category, 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 nonactinide metals. Liquid MTRU is a small percentage of total MTRU, and these wastes are primarily organic liquids.

TRU solid wastes are accumulated, characterized, and assayed for accountability purposes at the generation site. TRU solid waste is packaged for disposal in metal 55-gallon drums, 4-x-4-x-6 ft standard waste boxes (SWBs), and oversized containers. Security and safeguards assay measurements are conducted on the containers for accountability before they are removed from PF-4. TRU wastes removed from PF-4 in drums, Pipe Overpack Containers (POCs) and SWBs are shipped to TA-54, Area G for storage. Oversized containers of TRU waste are staged on an asphalt pad behind PF-4 and are shipped to TA-54. Detailed characterization of TRU wastes occurs at TA-54-34, the Radioassay and Nondestructive Testing Facility and at TA-50-69, the Waste Compaction, Reduction, and Repackaging Facility. Samples from drums are sent to the CMR building for characterization in some cases. TRU waste is stored at TA-54, Area G, until it is shipped to WIPP for final disposal. Certification of the waste for transport and disposal at WIPP is done by the TRU Certification Program group of the Nuclear Waste and Infrastructure Services Division (NWIS-TP). This work was formerly handled by the Environmental Stewardship Division before a reorganization event during November 2004. NWIS Division generates TRU wastes as a direct result of treating, characterizing, and certifying

legacy and newly generated waste produced by Nuclear Materials Technology Division (NMT). The top-level process map for TRU waste is shown in Fig. 4-1.

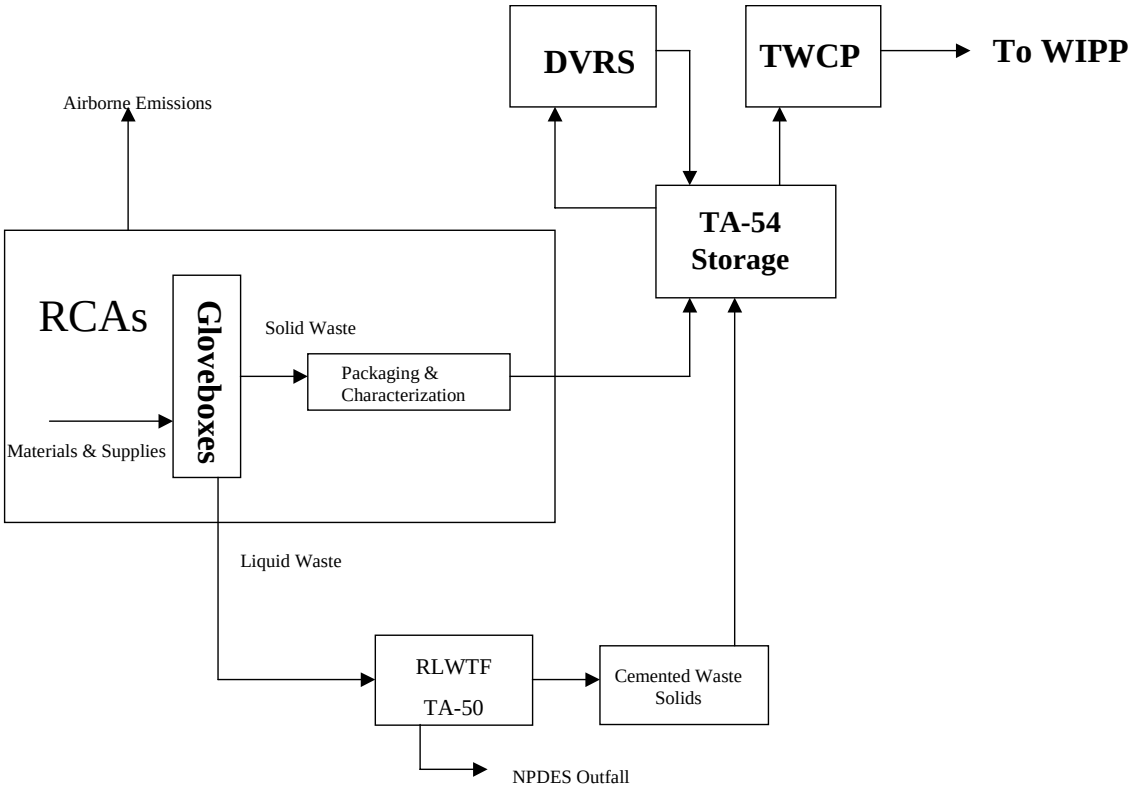

Figure 4-1. Top-level TRU and MTRU waste process map and waste streams

Materials and supplies are brought into a RCA and introduced into a glovebox. Waste leaves the glovebox in the form of either solid or liquid wastes. Solid wastes are packaged, characterized, and shipped to TA-54 for storage. Liquid wastes are sent to the Radioactive Liquid Waste Treatment Facility (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 liquid is discharged to a NPDES permitted outfall. Oversized TRU waste items are further processed at TA-54 through the DVRS facility where they are sized reduced and repackaged for shipment to WIPP. And finally, all waste is processed by the TRU Waste Characterization/Certification Program (TWCP) prior to shipment to WIPP.

During FY05, approximately 99% of the routine and non-routine MTRU was generated by NMT Division as a result of ongoing operations. NWIS Division contributed the other 1% of the MTRU waste generated during FY05. All of the MTRU waste from NWIS is secondary (non-routine) waste generated from the certification and repackaging of previously generated TRU waste. The D&D Program has produced TRU waste intermittently, and this waste is related directly to the area or facility being restored or decommissioned.

The total volume of routine and non-routine MTRU waste generated by the Laboratory is shown in Fig. 4-2.

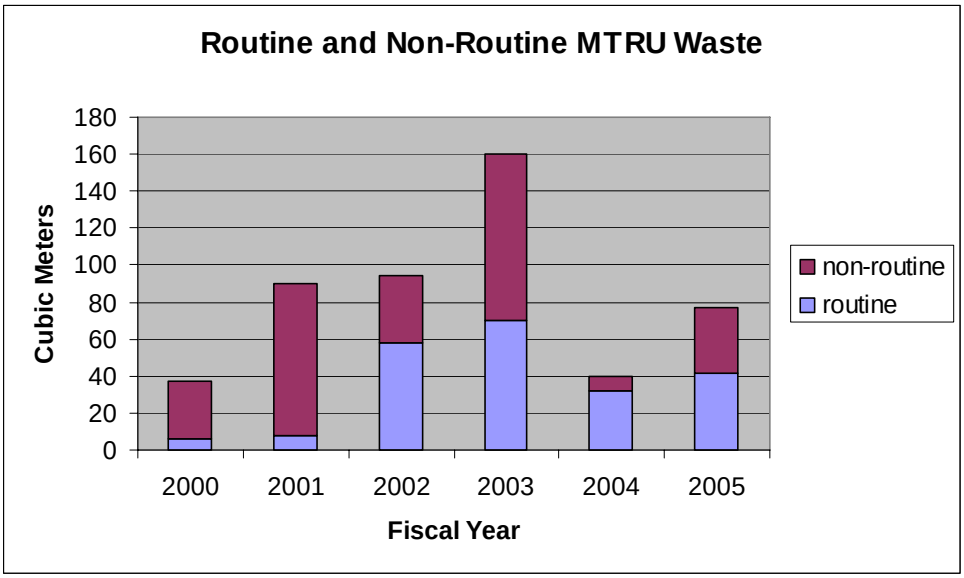

Figure 4-2. Generation rates for MTRU waste at the Laboratory

4.2 TRU Waste Minimization Performance

On March 16, 2000, a radiological release of ^{238}Pu occurred near a glovebox in the Laboratory's Plutonium Processing and Handling Facility (TA-55). As a result of the subsequent investigation and response, work within TA-55 was curtailed for the remainder of FY00 and a portion of FY01. The curtailment of operations resulted in artificially low MTRU waste generation rates for FY00 and FY01. Similarly, MTRU generation rates during FY04 were artificially low due to the shutdown of Laboratory activities during the fourth quarter. Figure 4-2 shows that the total volume of MTRU waste has decreased since 2002. Some of the annual fluctuation is a result of shipping legacy waste to WIPP in addition to newly-generated waste.

4.2.1 Future Goal Compliance

In FY01, NMT Division prepared an integrated TRU Waste Minimization Management Plan that included project descriptions, required technologies, cost, cost savings, waste reduction estimates, and implementation issues for a comprehensive set of waste avoidance/minimization activities specific to NMT Division operations. The NMT

Division philosophy and expectations for environmentally conscious plutonium processing are presented in the NMT Division Waste Management Program Plan. The goals of the Waste Management Program Plan were to reduce liquid waste by 90% and essentially to eliminate the combustible waste stream by CY03. Both plans made assumptions regarding annual funding levels and programmatic priorities.

Since the development of NMT Division Waste Management Program Plan, funding for waste minimization projects has not materialized. Waste minimization is secondary to the programmatic goals for new projects, and even ongoing waste generation reduction projects may not necessarily result in lower waste volumes. For example, the Defense Nuclear Facilities Safety Board recommendation 94-1 requires that much of the Special Nuclear Material (SNM) formerly held in the PF-4 vault for reprocessing be discarded as TRU waste. Although that material is discarded as non-routine waste, SNM material generated from ongoing activities that would have been held in the vault for reprocessing is also being discarded as routine TRU waste. Due to the actinide concentration of these waste items only a few can be packaged in each drum before the SNM limit of the drum is reached. Although the volume of the actual waste is quite small, the total volume of the drum or SWB is used to calculate waste volume. Thus a few small waste items are reported as a volume of 0.208 m^3 (55-gallons) of waste, and most of the "waste volume" is air. In addition, some waste items are being packaged in POCs to reduce the dose rate to levels acceptable for shipping and storage. The packing inside a POC limits the waste volume to approximately $1/6^{th}$ of the actual container volume. Further minimization of the waste volume results in an even smaller volume of waste being packaged in each drum.

4.3 Waste Stream Analysis

TRU wastes are generated within RCAs. These areas also are material balance areas used for security and safeguards to prevent the potential diversion of SNM. TRU and MTRU wastes are reported separately because of the different characterization requirements for the wastes. These requirements are detailed in the RCRA and the FFCO/STP—NMED, which stipulates treatment requirements for MTRU wastes. In CY99, WIPP received a "No Mitigation Variance", which allows it to accept MTRU waste for disposal without treatment. However, the characterization requirements for MTRU waste remain. MTRU waste can be shipped to WIPP without treatment, except as needed to meet storage and transportation requirements. In this report, TRU/MTRU wastes will be discussed as one waste type because the waste minimization strategy for both waste types is the same.

The TA-55 Plutonium Facility processes ^{239}Pu from residues generated throughout the defense complex into pure plutonium feedstock. The manufacturing and research operations performed at TA-55 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 TRU waste generated at TA-55.

TRU waste materials, process chemicals, equipment, supplies, and some RCRA materials are introduced into the RCAs in support of the programmatic mission. All SNM introduced into Building PF-4 at TA-55 is stored in the vault in the basement until needed

for processing. Because of the hazards inherent in the handling, processing, and manufacturing of plutonium materials, all process activities involving plutonium are conducted in gloveboxes. High levels of plutonium contamination can build up on the inside surfaces of gloveboxes and process equipment as a result of the process or leaking equipment. 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 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 that waste is shown in Fig. 4-4.

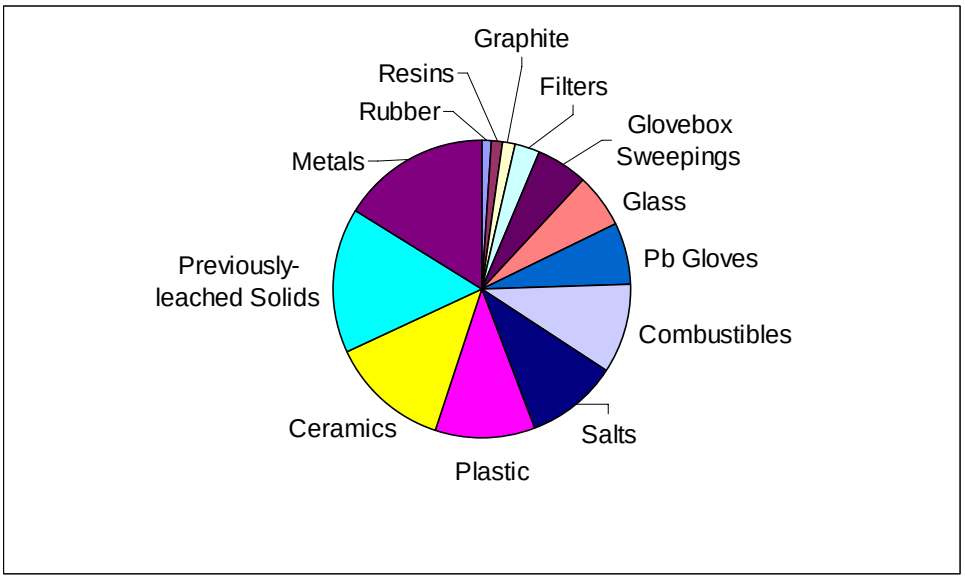

Figure 4-4. **Composition of MTRU waste from NMT Division by Volume, FY05**

Combustible Wastes. Combustible wastes comprise ~10% of the MTRU waste generated at the Laboratory. Combustible waste comprises mostly plastic bags, plastic reagent bottles, plastic-sheets used for contamination barriers, cheesecloth, gloves, protective clothing worn by workers, and a small volume of organic chemicals and oils. The combustible solids are contaminated with hazardous chemicals such as solvents or lead.

Noncombustible MTRU Waste. Noncombustible MTRU waste includes glass, high-efficiency particulate air (HEPA) filters, graphite, plastic, rubber, or other materials.

Nonactinide Metals. Nonactinide metals are any metallic waste constituents that may be contaminated with, but are not fabricated out of, actinide metals. Metallic wastes typically include tools, process equipment, facility piping and supports, and ventilation ducting. Significant volumes of metallic waste are generated under the following conditions: (1) when gloveboxes have reached the end of their useful life, (2) when processes within the facility and glovebox are changed, (3) when routine and non-routine maintenance activities are completed, and (4) as facility construction projects are implemented to meet new programmatic missions.

4.4 Improvement Projects.

Many process improvements have been identified for implementation within TA-55 and in the processing of TRU waste after it is produced. Priorities for new waste minimization projects and activities within TA-55 are detailed in the integrated TRU Waste Minimization Management Plan prepared by NMT Division in FY01. Many of the projects detailed in that plan have been terminated for technical or programmatic reasons.

MTRU waste minimization and avoidance projects are typically funded by the ENV-PP office, GSAF programs, and by operating funds. During FY05, money from the GSAF fund was used to pay for two projects designed to reduce the generation of MTRU waste.

Statistical Analysis of Glovebox Glove Failures. The causes of glove failures inside gloveboxes were compiled, and the resulting data was statistically analyzed. Having a glove fail can cause the generation of MTRU and/or other types of radioactive waste. The improved understanding of glove failures allows the researchers to recognize situations in which gloves might fail and either avoid those situations or change to new gloves before performing those activities so that waste created due to glove failures is minimized.

Bromine Replacement Project. This project evaluated the potential to replace bromine for certain separation procedures involving transuranic metals. Bromine is very corrosive and can cause steel, plastic, and other materials to wear out faster than usual. By eliminating bromine and substituting resin-based separation methods where possible, less MTRU waste is generated.

5.0 Mixed Low-Level Waste

5.1 Introduction

For waste to be considered mixed low-level waste (MLLW), it must contain RCRA materials and meet the definition of radioactive LLW. LLW is defined as waste that is radioactive and is not classified as high-level waste (HLW), 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. Because MLLW contains radioactive components, it is regulated by DOE Order 435.1. Because it contains RCRA waste components, MLLW also is regulated by the State of New Mexico through the Laboratory's operating permit, the FFFCO/STP provided by the NMED, and the EPA. Materials in use that will be RCRA waste upon disposal are defined as hazardous materials.

Most of the Laboratory's routine MLLW results from stockpile stewardship and management and from R&D programs. Most of the non-routine waste is generated by off-normal events such as spills in legacy-contaminated areas. 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 at the Laboratory.

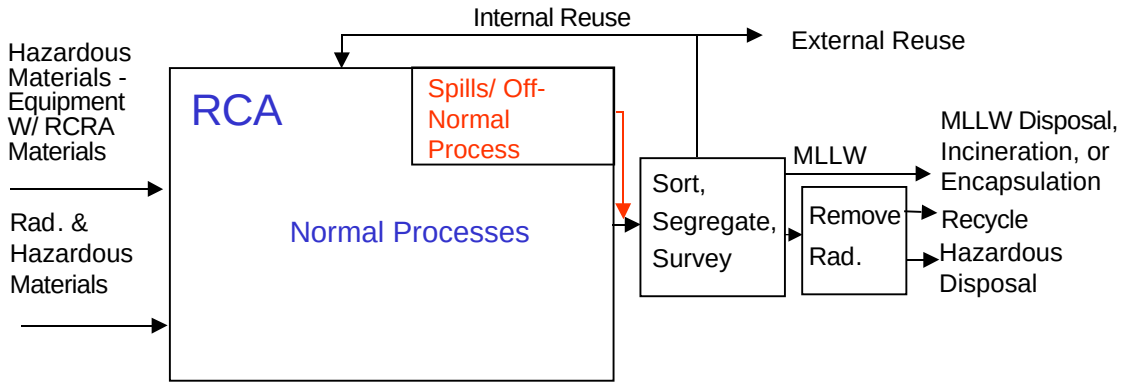

Fig. 5-1. Top-level MLLW process map

Figure 5-2 shows routine and non-routine MLLW generation by division.

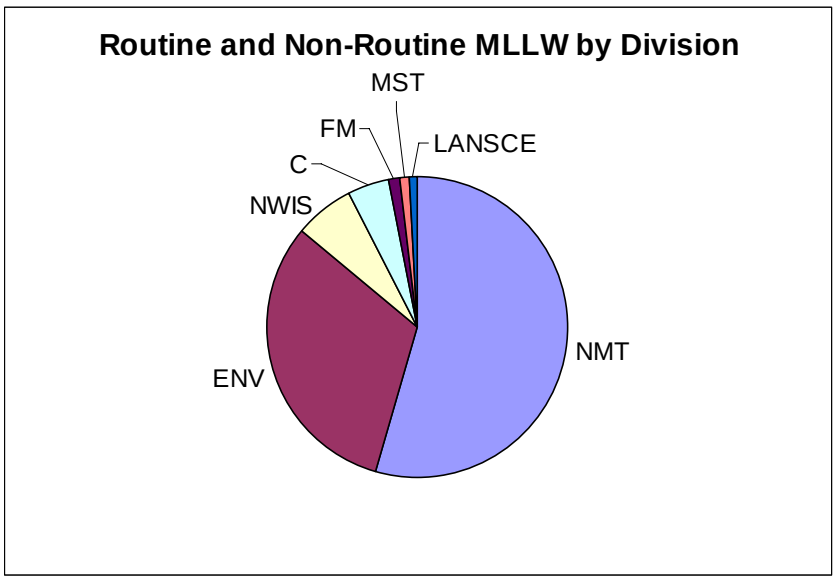

Figure 5-2. **Total MLLW generated by division**

The Divisions that generated the most routine and non-routine MLLW during FY05 were NMT, ENV, NWIS, and C Divisions. The largest component by far of NMT's MLLW was old gloveboxes. NMT also generated smaller amounts of copper solder joints and lead debris. The MLLW generated by ENV was all non-routine waste generated as a result of site remediation efforts. The MLLW generated by NWIS was all non-routine waste that was generated as a result of repackaging efforts. The C Division MLLW was composed of research chemicals and mercury debris.

5.2 MLLW Minimization Performance

The DOE has implemented goals for waste minimization. The DOE-proposed MLLW goal is to reduce MLLW from routine operations by 80% by 2005 using CY93 as the baseline. Because the MLLW generation in the baseline year was a low 12.3 m^3, the proposed DOE FY05 goal for routine MLLW is a very low 2.5 m^3. Routine MLLW generation at the Laboratory for FY05 was 1.89 m^3.

Figure 5-3 shows the Laboratory's progress toward achievement of this 80% routine MLLW reduction goal.

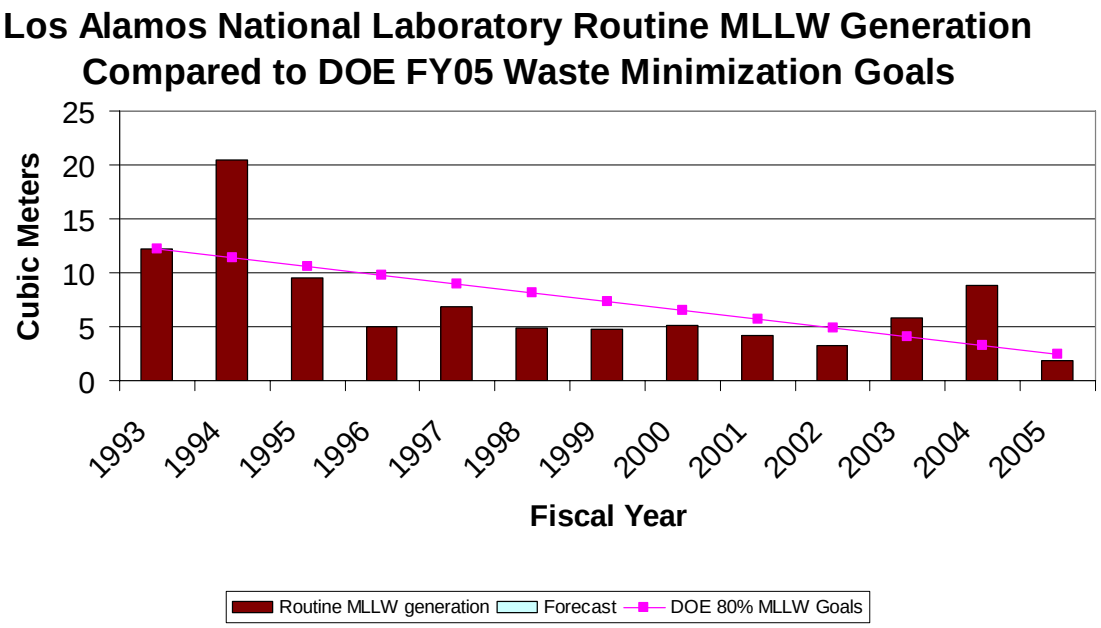

Figure 5-3. Generation of routine MLLW from 1993 to 2005

From 1998-2003, the Laboratory has averaged ~5 m^3 of MLLW generation annually. The spike in MLLW generation of 8.88 m^3 that occurred in FY04 was partially caused by some MLLW that was generated during FY99 and FY00, then placed in the STP, but was not received at TA-54 until FY04. The higher MLLW volume during FY04 does not reflect a sudden increase in MLLW generation at the Laboratory.

5.3 Waste Stream Analysis

Routine MLLW is generated in RCAs. Hazardous materials and equipment containing RCRA materials, as well as MLLW materials, are introduced into the RCA as needed to accomplish specific activities. In the course of operations, hazardous materials become contaminated with LLW or become activated, thus becoming MLLW when the item is designated as waste.

Typically, MLLW is transferred to a satellite storage area after it is generated. Whenever possible, MLLW materials are surveyed to confirm the radiological contamination levels; if decontamination will eliminate either the radiological or the hazardous component, materials are decontaminated and removed from the MLLW category.

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 treatment and disposal facilities. The waste is treated/disposed of by various processes, such as incineration or segregation of hazardous components and macroencapsulation.

In some cases, the Laboratory procures spent MLLW materials from other DOE/commercial sites. For example, in FY01 the Los Alamos Neutron Science Center Experiment (LANSCE) designed several new beam stops and shutters from lead. Rather than fabricating these from uncontaminated lead, LANSCE received these parts at no expense from GTS Duratek, a company that processes contaminated lead from naval nuclear reactor shielding. GTS Duratek fabricates parts at no cost to the Laboratory because the fabrication costs are much less than those of MLLW lead disposal.

The largest components of the routine and non-routine MLLW stream are gloveboxes, restoration waste and environmental media samples, electronics, mercury debris, oil, and lead debris. Lower MLLW generation is anticipated in the future as environmental restorations are completed, as non-toxic materials are substituted for mercury and lead, and as oil-free vacuum pumps replace older pumps.

The relative volumes of various waste streams are shown in Figure 5-4.

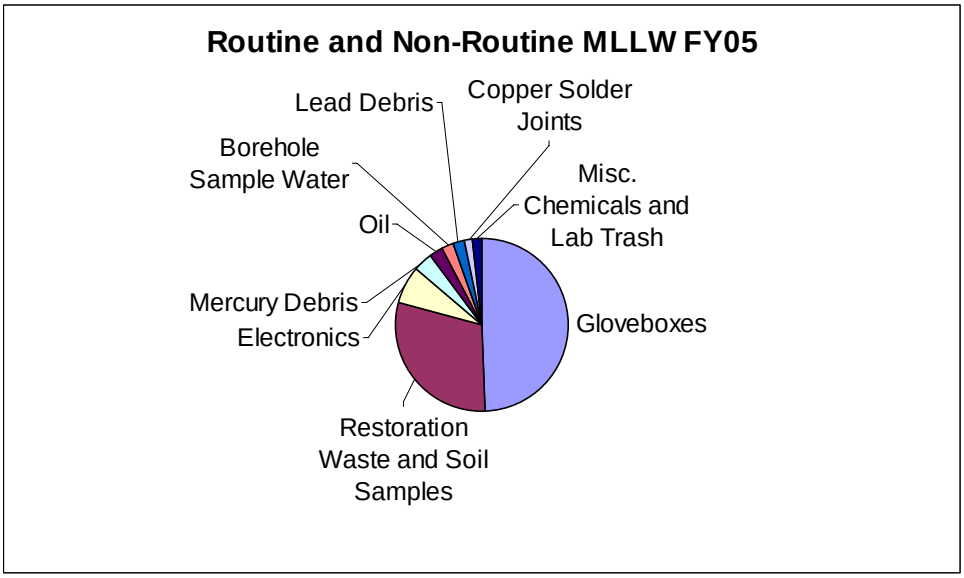

Figure 5-4. **Constituents of MLLW in FY05**

Gloveboxes. When a glovebox reaches the end of its useful life, it is surveyed and classified as the appropriate waste type. By eliminating the use of as many hazardous chemicals as possible, fewer gloveboxes are expected to become MLLW in the future.

Restoration Waste and Soil/Water Samples. This waste is all non-routine MLLW generated as a result of environmental restoration projects. The waste consists of personal protective equipment, soil samples, and water samples.

Electronics. As computers and peripherals become obsolete, they are removed from RCAs and sometimes become MLLW. Since computers are constantly becoming smaller,

less electronic MLLW is expected in the future. Whenever electronics are removed from an RCA, the need for electronics within the RCA is evaluated.

Mercury and Lead Debris. This waste stream consists of lead for shielding, mercury compounds, and assorted equipment contaminated with either mercury or lead.

Used Oil. The oil in the MLLW stream primarily comes from oil changes in vacuum pumps within RCAs. As more oil-free vacuum pumps are installed at the Laboratory, this MLLW stream should diminish.

Copper Solder Joints. This waste consists of the lead solder joints formed during the construction of copper piping systems.

Miscellaneous Chemicals and Lab Trash. This waste is composed of unused/unspent chemicals that have become contaminated in RCAs, analytical chemistry procedures, gloves, and paper towels.

Waste is disposed of either by incineration or by macro-encapsulation and land disposal. Macro-encapsulation involves potting the waste (typically solid parts) in a suitable plastic and creating a barrier around the waste. A small fraction of the MLLW generated has no disposal path. Typically, this waste is mercury or mercury compounds that became contaminated in RCAs.

5.4 Improvement Projects

Efforts to substitute alternatives and to improve sorting and segregation of these waste streams will reduce these volumes in the coming years. The P2 Program has implemented the following improvements:

- Use of lead free solder to minimize the generation of copper solder joint waste
- Substitutes for lead shielding or protective barriers to prevent radiological contamination of the lead
- Oil free vacuum pumps are being installed in RCAs to eliminate the generation of used oil. Use of low mercury bulbs in some RCAs

The Laboratory has proposed MLLW reduction projects that could reduce MLLW generation. These projects include:

- Elimination of RCRA hazardous paint strippers,
- Solidification of MLLW hydraulic oils,
- Improvements in chemical analysis processes
- Elimination of nitric acid bioassay wastes.

The Laboratory will continue to make every effort to reduce the MLLW generation to the lowest possible level consistent with funding and operational constraints.

6.0 Environmental Remediation and Surveillance Waste Minimization Awareness Plan

Introduction

Section 6.0 represents the waste minimization and pollution prevention (WMin/PP) awareness plan for the Laboratory's Environmental Stewardship (ENV) Division Environmental Remediation and Surveillance (ENV-ERS) Program. This plan supports the ENV-ERS Program's WMin/PP goals and describes its program to incorporate waste reduction practices into ENV-ERS activities and procedures. The plan was prepared by the ENV-ERS Program, formerly the Environmental Restoration Project, pursuant to the requirements of Module VIII, Section B.1 of the Laboratory's Hazardous Waste Facility Permit (NM0890010515).

Background

The mission of the Laboratory's ENV-ERS Program 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 the March 1, 2005 Compliance Order on Consent (hereafter, Consent Order) between the NMED, DOE, and UC. In completing this mission, ENV-ERS activities may generate large volumes of waste, some of which may require special handling, treatment, storage, and disposal. Because the ENV-ERS Program is tasked with investigating and, as necessary, conducting corrective actions at historically contaminated sites within the Laboratory, source reduction and material substitution are difficult to implement. The ENV-ERS Program is, therefore, faced with the responsibility and the challenge of minimizing the risk posed by contaminated sites while at the same time 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 on-site or off-site waste treatment, storage, or disposal; and the desire to minimize the associated liability.

Purpose and Scope

The purpose of this plan is to document the ENV-ERS Program's approach for minimizing the wastes it generates. This plan discusses the goals, methods, and activities that will be routinely employed to prevent or reduce waste generation in fiscal year 2006 (FY06), and it reports FY05 waste generation quantities and waste minimization accomplishments for FY05. This plan also discusses the ENV-ERS Deputy Program Director's commitment to WMin/PP, provides a discussion of specific program elements of the ENV-ERS WMin/PP process, and presents the barriers to implementation of further significant reductions.
This plan addresses all Resource Conservation and Recovery Act (RCRA)-regulated waste classifications potentially generated by the ENV-ERS Program during the course of planning and conducting the investigation and remediation of contaminant releases. Wastes generated by ENV-ERS 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 ENV-ERS Program may potentially generate the following RCRA-regulated waste classifications: hazardous waste, low-level mixed waste (LLMW); and mixed transuranic (TRU) radioactive waste.

The scope of WMin/PP efforts for an individual ENV-ERS project will be dependent on the primary and secondary wastes anticipated to be generated and the feasibility of waste reduction for those waste streams.

ENV-ERS Deputy Program Director Policy Statement and Management Commitment

The Laboratory's Deputy Program Director for ENV-ERS and all other personnel supporting the ENV-ERS Program are committed to preventing or reducing the generation of waste from ENV-ERS Program activities, as much as is technically and economically feasible and consistent with the ENV-ERS Program mission and compliance with Consent Order requirements.

The Laboratory's support for pollution prevention and waste minimization programs is documented in the Laboratory waste management requirements. Waste minimization is also included in the ENV Environmental Characterization and Remediation (ENV-ECR) Group standard operating procedures (SOPs) used to implement ENV-ERS Program activities. In addition, the Pollution Prevention (PP) Team within the ENV Solid Waste Regulatory Compliance (ENV-SWRC) Group is tasked by DOE and the Laboratory to champion and implement an aggressive waste minimization program for the entire Laboratory.

The ENV-ERS Program fully supports the Laboratory’s and ENV Division’s written WMin/PP policies, programs, and commitments. The ENV-ERS Program will support the goal of waste reduction by giving preference to source reduction, improved segregation and characterization, and environmentally sound recycling practices regarding waste treatment and disposal techniques, to the degree determined to be economically practicable and consistent with mission and compliance requirements. Evidence of the ENV-ERS Program commitment is demonstrated by this plan, as well as by the documentation of past waste reduction efforts within the ENV-ERS Program. The ENV-ERS Program will allocate sufficient resources to pursue the goals and approaches established by this plan and will coordinate with PP Team as necessary.

Organizational Structure and Staff Responsibilities

The ENV-ERS Program is part of the ENV Division at the Laboratory and is subject to all Laboratory and ENV Division policies and requirements. The program is operating under the organizational structure shown in Figure 6-1.

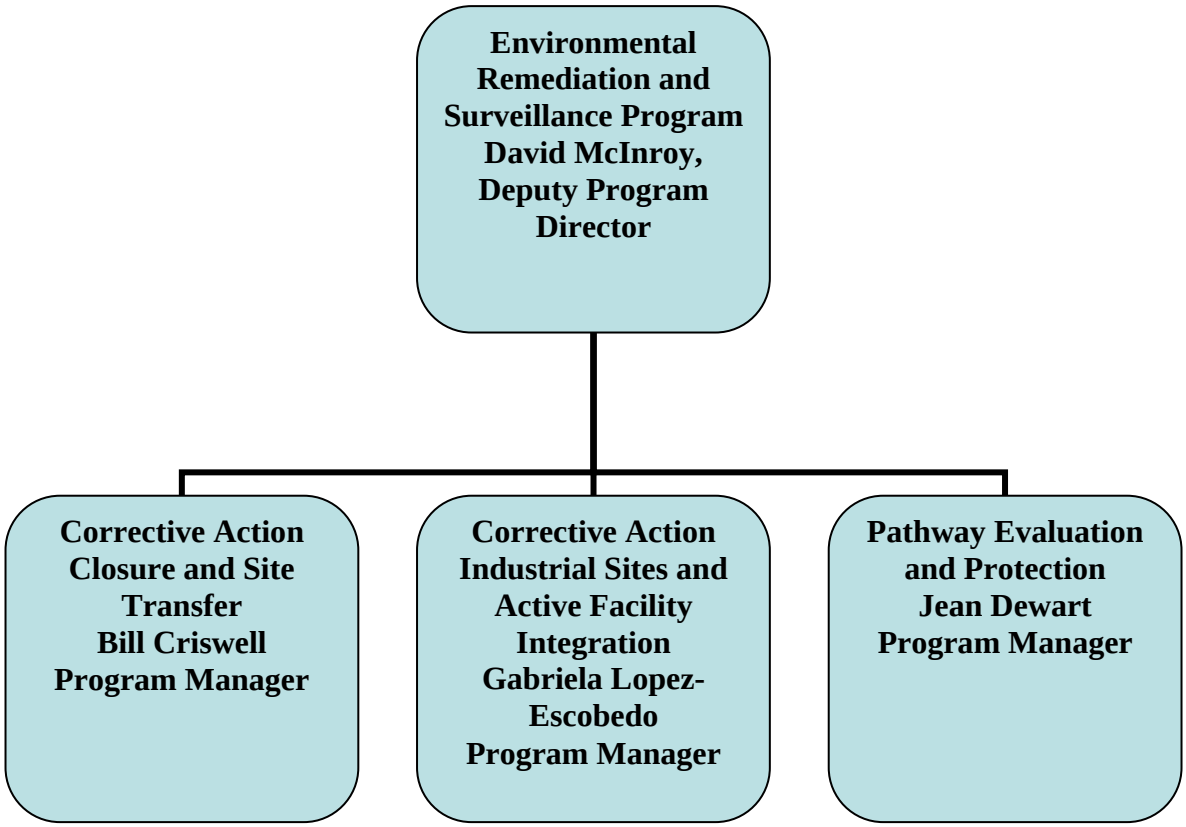

Figure 6-1. ENV-ERS Program Organization Chart

The organizational structure for developing and implementing WMin/PP programs is outlined below:

- The ENV-ERS Deputy Program Manager has primary responsibility for developing and implementing WMin/PP programs and strategies for all ENV-ERS projects that result in waste generation, as described in this plan. The ENV-ERS Program must allocate sufficient resources to attain the goals and approaches identified in this plan. The ENV-ERS Program is responsible for providing program-specific input to the annual WMin/PP plan submitted to the administrative authority, establishing WMin/PP goals and performance measures, and coordinating with the ENV-SWRC PP Team to implement WMin/PP activities and to report success stories.

- The ENV-ERS Program Office is the focal point for planning and implementing waste minimization activities and reporting waste minimization successes and lessons learned for the ENV-ERS Program. ENV-ERS Program Managers, who report to the Deputy Program Director, are responsible for assuring that ENV-ECR project leaders identify and incorporate WMin/PP practices into project plans and field activities, as much as technically and economically feasible.

- Waste management coordinators supporting the ENV-ERS Program are responsible for coordinating waste minimization activities, coordinating

proposals for waste minimization implementation projects, advising ENV-ECR project leaders on WMin/PP technologies and techniques, recommending ENV-ERS Program-wide policy, and compiling waste generation and minimization data.

Goals and Performance Measures

The ENV-ERS FY06 WMin/PP approach will focus on:

- integrating waste minimization principles into the project planning process;
- recycling and reusing materials;
- utilizing material substitution as appropriate;
- developing subcontractor waste minimization incentives through contract specifications;
- dedicating waste minimization resources to assist with large remedial actions; and
- tracking, projecting, and analyzing waste data to improve waste management economies of scale.

Figure 6-2 shows the waste management hierarchy for ENV-ERS Program wastes. Although source reduction is preferred, the ENV-ERS WMin/PP approach recognizes there may be limited opportunity for source reduction of primary wastes because the ENV-ERS Program is tasked to investigate and conduct corrective actions, as necessary, at historically contaminated sites within the Laboratory. Potential environmental concerns may require removal of contaminated material. When appropriate, source reduction of primary wastes will be accomplished through the application of risk-based cleanup criteria and associated land-use scenarios, the consideration of in situ or nonintrusive remediation technologies, and improved characterization and segregation during the execution of field activities. Source reduction of secondary wastes will be accomplished through proper planning; improved housekeeping, segregation, and characterization; and application of WMin/PP criteria during technology selection, design, and construction activities. Recycling and reuse practices will be considered for all primary and secondary wastes. Volume reduction, including size reduction, compaction, and optimal packaging, will be considered for all primary and secondary wastes for which generation cannot be avoided and which cannot be recycled.

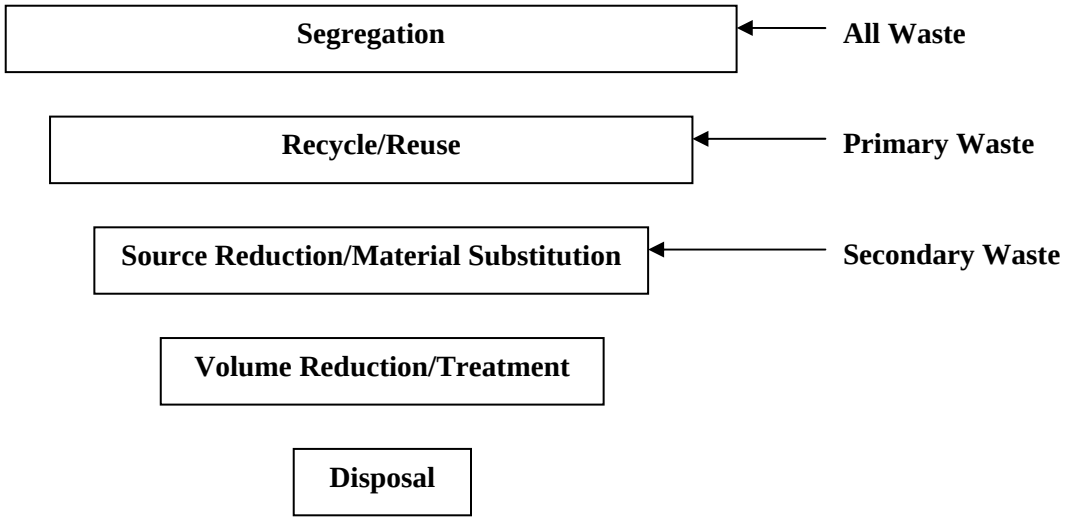

Figure 6-2. Waste management hierarchy within the ENV-ERS Program

The WMin/PP approaches outlined above are consistent with the waste reduction priorities established by the Laboratory's site-wide waste minimization plan, which recognizes the severe limitations of on-site disposal capacity for low-level radioactive waste and on-site storage capacity for LLMW. In addition, the approach was adopted to address the variable and nonrecurring nature of wastes coming from ENV-ERS activities.

Situation Analysis

The majority of FY05 waste generation was the result of investigations and accelerated corrective actions. Investigations and corrective actions implemented by ENV-ERS pursuant to the Consent Order included:

- Subsurface investigations and borehole drilling at Material Disposal Areas (MDAs) U and V in Technical Area (TA)-21, MDA C in TA-50, and MDAs G and L in TA-54.
- Removal of contaminated soil and debris at MDA V in TA-21 and the TA-16-340 Complex.
- Surface and alluvial groundwater investigations in Los Alamos/Pueblo, Mortandad, and Pajarito Canyons.
- Surface and subsurface investigations at Middle Mortandad/Ten Site and DP Site Aggregate Areas and the TA-16-340 Complex.
- Groundwater investigations at SWMU 03-010(a) and the TA-16-260 Outfall.
- Accelerated corrective actions at SWMUs 03-029, 33-013, 61-002 and

AOC 03-001(i).

- Voluntary corrective action at Consolidate Unit 19-001-19.
- SWMU assessment of SWMU 03-013(i).

In addition to Consent Order activities implemented by ENV-ERS, additional activities were conducted directly by DOE, including drilling and construction of intermediate and regional groundwater wells.

These types of activities will continue throughout the life of the Laboratory's ENV-ERS Program. The FY06 planned activities for ENV-ERS pursuant to the Consent Order include:

- Subsurface investigations and borehole drilling at MDAs A, B, T, U, and V in TA-21 and MDA C in TA-50.
- Surface and subsurface investigations at the Bayo Canyon, Pueblo Canyon, Guaje/Barrancas/Rendija Canyons, DP Site, and Middle Los Alamos Canyon Aggregate Areas and the 30's and 90's Lines at TA-16.
- Surface and alluvial groundwater investigations in Guaje, Barrancas, Rendija, Bayo, Pajarito, and Sandia Canyons and Cañada del Buey.
- Remediation of residual radioactive contamination at TA-10.
- Removal of septic tanks, drain lines, and subsurface structures within the DP Site Aggregate Area at TA-21.
- Removal of contaminated soil and debris at MDA V in TA-21.
- Removal of contaminated soil, debris, and waste at MDA B in TA-21.
- Implementation of a soil vapor extraction pilot test at MDA L in TA-54
- Accelerated corrective actions at SWMUs and AOCs impacted by infrastructure projects.

In addition to Consent Order activities implemented by ENV-ERS, additional activities are planned to be conducted directly by DOE, including drilling and construction of intermediate and regional groundwater wells and investigation and corrective actions at SWMUs 73-001(a-d), 73-004(d), and Consolidated Unit 73-002-99.

Applicable Statutory, Regulatory, and Institutional Requirements

The primary regulatory driver for the ENV-ERS Program is the Consent Order, which contains specific requirements for investigating and, as necessary, remediating releases of contaminants at the Laboratory. Specific requirements in the Consent Order include those for management of investigation-derived waste. Other key regulatory drivers for the WMin/PP program are listed below.

Federal Statutes and Executive Orders

- Resource Conservation and Recovery Act
- 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 13148 — Greening the Government Through Leadership in Environmental Management

Federal Regulations

- Code of Federal Regulations, Title 40, Part 262, "Standards Applicable to Generators of Hazardous Waste"
- Code of Federal Regulations, Title 40, Part 264, "Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities"
- Code of Federal Regulations, Title 40, Part 270, "EPA Administered Permit Programs: The Hazardous Waste Permit Program"

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 5400.1, "General Environmental Protection Program"
- DOE Order 5400.3, "Hazardous and Radioactive Mixed Waste Program"
- DOE Order 5400.5, "Radiation Protection of the Public and the Environment"
- DOE Order 435.1, "Radioactive Waste Management"
- Secretary of Energy Notice 37-92, "Waste Minimization Policy Statement"
- DOE Pollution Prevention Program Plan, 1996

Los Alamos National Laboratory Directives and Policies

- Los Alamos National Laboratory, Laboratory Implementation Requirement LIR 404-00-02.3, "General Waste Management Requirements"

- Los Alamos National Laboratory, Laboratory Implementation Requirement LIR 404-00-04.2, "Managing Solid Waste"
- Los Alamos National Laboratory, Laboratory Implementation Requirement LIR 404-00-05.3, "Managing Radioactive Waste"

Justification for the Use of Hazardous Materials

ENV-ERS Program activities currently introduce only small amounts of hazardous materials into field and support operations. During the past years, most use of hazardous materials has been substituted with nonhazardous alternatives in an effort to reduce the generation of secondary hazardous or mixed waste. These efforts include the following:

- Decontamination Solvents — The use of hazardous solvents has been eliminated in the ENV-ERS Program.
- Scintillation Cocktails — The routine use of scintillation cocktail media that results in a mixed waste has been discontinued at the Laboratory.
- Analytical Processes — Some samples collected for site characterization may require the use of hazardous chemicals evaluated by EPA, private companies, and universities for potential alternative processes and material substitution. The use of hazardous chemicals for sample preservation is currently viewed as necessary. In addition, hazardous chemicals are used in some field screening tests.

FY05 Waste Generation Summary

The ENV-ERS Program FY05 waste generation and waste minimization summary is listed in Table 6-1. Waste projections for FY06 are listed in Table 6-2.

Waste Type	Volume, m^3
Solid Hazardous	0.16
Solid MLLW	7.6
Solid Mixed TRU	0.0

Table 6-1. Fiscal Year 2005 Waste Generation Summary

Waste Type	Volume, m^3
Solid Hazardous	2970
Solid MLLW	195
Solid Mixed TRU	0

Table 6-2. Fiscal Year 2006 Estimated Waste Generation Summary

The large anticipated increase in waste generation from FY05 to FY06 reflects the change in project scope for ENV-ERS. Projects implemented during FY05 were primarily focused on investigation activities, which generate lower volumes of waste. Project activities in FY06 are expected to include more cleanup, including removal of contaminated soil, debris, and wastes.

Waste Minimization Accomplishments during FY05

WMin/PP was an integral part of the FY05 ENV-ERS 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 WMin/PP activity) are often not available and are not easily extrapolated. In addition, many waste minimization practices employed during previous years are incorporated into standard operating procedures and no longer reported.

Activities in FY05 were primarily related to investigations and did not result in high-volume waste streams, such as contaminated soil and demolition debris, including metal and concrete. The WMin/PP techniques used in FY05 to reduce these investigation-related waste streams led to the following accomplishments:

- Dry decontamination techniques were used almost exclusively during field investigations, thereby eliminating generation of liquid decontamination wastes.
- Accelerated corrective actions being implemented at sites in operational areas within LANL used cleanup levels based on industrial land use scenarios. This approach reduced the amount of soil and debris requiring excavation, while still being protective of human health and the environment.
- Waste segregation techniques were employed to minimize the generation of low-level radioactive waste generated during the investigations conducted at Material Disposal Area (MDA) G at TA-54. As a result, it was possible to manage spent personnel protective equipment and other wastes as nonradioactive solid waste rather than low-level radioactive waste.

The ENV-ERS Program also evaluated the potential to incorporate WMin/PP practices into future activities.

- Corrective measures to be implemented at TA-54, Area G may require large volumes of fill material for final grading of the site. ENV-ERS is presently evaluating potential sources of recycled material that could be used for fill. For example, ENV-ERS completed a feasibility study for reusing approximately 30,000 cubic yards of material from the Pajarito Flood Retention Structure for structural fill. A similar evaluation is planned for material to be excavated during construction of the Chemical and Metallurgical Research Replacement Facility.
- ENV-ERS is planning to conduct a pilot test of soil vapor extraction at MDA L. This technology involves extraction of volatile organic compounds (VOCs) from the subsurface, followed by destruction of the VOCs by catalytic oxidation. If feasible, this technology would reduce the risk associated with buried wastes at MDA L while generating minimal primary and secondary

wastes.

Waste Minimization Program Elements

Listed below are the Laboratory's ENV-ERS Program waste minimization program elements for FY06. The elements will be implemented if economically and technically feasible.

Waste Management Coordinators

The waste management coordinators supporting ENV-ERS will have a primary role in FY06 for developing and implementing programmatic elements of the ENV-ERS WMin/PP Program by conducting the following activities:

- Improve WMin/PP awareness and information exchange within the ENV-ERS Program.
- Provide technical reviews and WMin/PP input for ENV-ERS documents and procedures, such as corrective measures studies, sampling and analysis plans, or other project work plans and provide working examples of "model" documents that incorporate WMin/PP elements.
- Provide technical assistance and consistency among ENV-ERS projects to formalize standard approaches for WMin/PP in ENV-ERS plans and procedures and institutionalize the use of design reviews, WMin/PP checklists, or value engineering for WMin/PP applications.
- Assist in developing WMin/PP language for ENV-ERS subcontractor documents and project specifications, thus providing incentives and measurable goals for waste reduction.
- The waste management coordinator(s) will provide WMin/PP tools and practices to the ENV-ERS Program. The specific application and waste reduction potential of a tool will be dependent on the specific project and will be left to the judgment of the individual project leaders. The common WMin/PP tools for use in the ENV-ERS Program are summarized in the list that follows.

WMin/PP tools for the planning phase

- Write WMin/PP into ENV-ERS Program documents
- Include WMin/PP in budgets and contracts
- Integrate WMin/PP into construction of engineered structures and best management practices
- Train ENV-ERS personnel on WMin/PP and build WMin/PP awareness

WMin/PP tools for the assessment phase

- Conduct efficient sample management and analysis

- Consider alternative sampling techniques
- Consider alternative drilling techniques
- Segregate materials and waste through field screening
- Use site control techniques
- Use bulk waste packaging
- Train ENV-ERS personnel on WMin/PP and build WMin/PP awareness

WMin/PP tools for the alternative evaluation and selection phase

- Identify WMin/PP as a key criterion during treatment selection
- Incorporate WMin/PP in key decision-making documents
- Conduct treatability studies that support WMin/PP
- Train RRES-RS personnel on WMin/PP and build WMin/PP awareness

WMin/PP tools for the implementation phase

- Scour and decontaminate building materials
- Recycle and reuse materials from decommissioning activities
- Prevent contamination migration
- Dedicate a person on each ENV-ERS project to promote WMin/PP
- Reuse equipment
- Train ENV-ERS personnel on WMin/PP and build WMin/PP awareness

WMin Planning

WMin/PP is best integrated during the project planning (including design and engineering) phase. WMin/PP strategies incorporated during the planning phase are some of the few opportunities for "source reduction" because they have the potential to avoid or reduce the generation of contaminated soil and building debris, which represent a significant waste volume within the ENV-ERS Program. Well-defined agreements (with regulators and stakeholders) regarding land-use scenarios, cleanup performance standards, and risk and pathway scenarios are highly effective in avoiding or reducing these primary wastes (e.g., soil, building debris) and secondary wastes.

The Permits and Requirements Identification (PR-ID) process provides a tool in the planning and design phase to assist Laboratory personnel in identifying and managing environment, safety, and health Laboratory implementation requirements having the potential to impact a project. This process incorporates evaluation of potential waste

generating activities before project startup and includes review by a waste minimization/pollution prevention subject-matter expert.

The ENV-ECR waste management standard operating procedures (ER-SOP-01.06, "Management of ER Project Waste" and ER-SOP-01.10, "Waste Characterization") also afford an opportunity to incorporate WMin/PP into project planning. In accordance with these procedures, a strategy for characterizing and managing each waste stream that will be generated during an ENV-ERS project must be developed and approved by the waste management coordinator before the waste stream can be generated. During the strategy review and approval process, the waste management coordinator can identify WMin/PP practices and incorporate these into the strategy. During FY06, SOP-01.06 will be revised to include formal review and documentation of WMin/PP as part of the WCSF review and approval. This will help assure that WMin/PP opportunities for each ENV-ERS waste stream are evaluated prior to generating wastes.

Employee Training and Awareness

Waste minimization implementation is most effective when all employees consider WMin/PP part of their job responsibilities. To accomplish this, a planned approach to building waste minimization awareness has been developed. The goals of the awareness program are to:

- Improve recognition among employees that WMin/PP practices apply to ENV-ERS activities;
- Educate employees about successful implementation at the Laboratory and within DOE; and
- Improve documentation of WMin/PP accomplishments.

WMin/PP is also an integral part of the environmental management system (EMS) being implemented at the Laboratory. All staff working on the ENV-ERS Program have received EMS awareness training and may receive additional EMS training as the system continues to be implemented.

All waste management coordinators supporting the ENV-ERS Program are required to attend quarterly meetings as ongoing training in issues important to performing the duties of a waste management coordinator, including periodic updates from the ENV-SWRC PP Team.

Laboratory managers are required to attend integrated safety management training, which addresses management of all environment, safety, and health issues, including waste minimization and pollution prevention awareness.

Information and Technology Introduction

The introduction of new technologies for WMin/PP and waste management approaches is important to minimizing wastes. To support technology exchange, the waste management coordinator is available to research technologies or WMin/PP tools for ENV-ERS project

leaders, as necessary to obtain information on technical or economic feasibility. Some sources for documents include:

DOE, Remedial Action Project Information Center, Oak Ridge, Tennessee
DOE, EPIC (the DOE Pollution Prevention Information Clearinghouse), Pacific Northwest National Laboratory, Richland, Washington
EPA, Superfund Innovative Technology Evaluation (SITE) Database
DOE, Technology Information Exchanges Conferences and Abstract Summaries
EPA, National Center for Environmental Publications Web Site
DOE, Environmental Web Site
University of Texas El Paso, Southwest Pollution Prevention Center Web Site
US Navy, Joint Service Pollution Prevention Technical Library Web Site
State of Kentucky, Kentucky Pollution Prevention Center Web Site
DOE Oak Ridge National Laboratory, ORNL Pollution Prevention Web Site

Tracking and Reporting

The Consent Order requires that waste management documentation be submitted with all investigation and corrective action reports submitted by the Laboratory. This documentation includes the types, volumes, and disposition of wastes generated by individual ENV-ERS projects.

Sort, Decontaminate, and Segregate

This task is currently implemented and is designed to sort and decontaminate recyclable/recoverable radioactive LLW materials from decommissioning operations for the purpose of eliminating their disposal at TA-54 as radioactive LLW. Typical sorting practices include collection of all metal debris (including steel, lead, etc.) in separate boxes destined for shipment to a decontamination facility or commercial smelter for metals recovery. Decontamination work will involve the removal of surface radioactive contamination on equipment to allow for its reuse either at Los Alamos or other DOE facilities.

Additionally, many sites containing radioactively contaminated heterogeneous materials will place emphasis on proper segregation at the source to attain the maximum recycling and waste classification advantages.

Compaction

The ENV-ERS Program plans to improve this process by using the compaction unit at TA-54 on suitable waste before final disposal. The compactor at TA-54 has a higher compaction yield than past equipment.

Survey and Release

Past practices have conservatively classified nonindigenous investigation-derived waste (e.g. personal protective equipment, sampling materials) as contaminated, based on association with contaminated areas. New policy within the Laboratory allows the ENV-ERS Program to develop procedures to survey and release these materials as nonradioactive. This will reduce the volume of radioactive LLW disposed of at Area G

from RRES-RS activities. Waste management coordinators will be trained in the Laboratory occupational radiation protection requirements.

Risk Assessment

Risk assessments are routinely conducted for ENV-ERS Program 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.

Incentives

The ENV-ERS Program participates in the Laboratory-wide “Waste Minimization/Waste Generation Set aside Tax” system. This system charges waste generators according to the volumes and toxicity of wastes generated. This financial burden is an incentive for waste generators to reduce waste generation to lower total project costs. The ENV-ERS Program has previously submitted Return on Investigation proposals for WMin/PP projects that are eligible for funding through this tax.

Lead-Handling Procedures

The ENV-ERS Program does not routinely procure or use lead or handle excess lead. The inventory and decontamination of existing lead at the Laboratory has been conducted as part of a milestone of the Laboratory's Federal Facilities Compliance Act agreement and is outside the scope of the ENV-ERS Program.

ENV-ERS personnel will manage and minimize the amount of lead-contaminated waste using the following approaches.

- Projects will specify a preference to avoid the procurement or use of lead, when possible, giving preference to the use of steel in place of lead.
- Projects will specify the use of strippable or washable coatings for any lead materials that must be used and have the potential to become contaminated.
- Projects will plan for the decontamination of lead materials, when economically feasible, using blast grit, carbon dioxide blast (or other nondestructive blast), or chemical decontamination techniques. Preference will be given to decontamination techniques that minimize the generation of secondary waste (from the treatment process).
- Projects that handle no contaminated lead waste as a primary waste from the removal action or decommissioning activity will make efforts to recover and redistribute the lead for use at the Laboratory or at another DOE facility.

- Projects will coordinate with the Laboratory's Solid Waste Operations Group for the appropriate handling and disposition of radioactively contaminated lead that cannot be decontaminated or redistributed.

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 will produce waste reduction and cost savings in FY05. When reusable equipment is decontaminated, it is standard ENV-ERS practice to use dry decontamination techniques to minimize the generation of liquid decontamination wastes. In addition, the Laboratory has initiated an equipment-exchange program, which identifies surplus or inactive equipment available for use. This not only eliminates the cost of purchasing the equipment, but it also delays the point at which the equipment is no longer needed and must be disposed.

Barriers to Waste Minimization Implementation

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. Previous practices by ENV-ERS included returning borehole cuttings to the borehole if this would not increase the potential for contaminant migration. This practice is not allowed under investigation work plans approved pursuant to the Consent Order and cuttings are now containerized and disposed of.

- The use of risk assessments to establish risk-based cleanup levels is one of the few opportunities available to the ENV-ERS Program 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, of 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.

- Wastes generated by ENV-ERS projects may contain low, but detectable, concentrations of constituents from RCRA listed hazardous wastes. The presence of these constituents would cause the waste to be regulated as a hazardous waste. The NMED may determine that such wastes “no longer contain” listed hazardous waste and need not be regulated as hazardous waste if the concentrations of listed waste constituents are below risk-based levels. The ENV-ERS Program has previously requested and received these “no-longer-contained-in” determinations to reduce to volumes of hazardous and MLLW wastes generated by investigations and cleanups. Recently, ENV-ERS has not been able to obtain “no longer contained in”

determinations for waste streams containing trace levels of listed solvents at concentrations below human-health risk levels. As a result, these wastes had to be managed as MLLW, increasing the amount of MLLW generated by ENV-ERS.

- The single largest potential source of waste generated by ENV-ERS is removal of buried waste or contaminated soil during implementation of corrective measures. Such actions have the potential to generate tens to hundreds of thousands of cubic meters of waste. In evaluating corrective measure alternatives, ENV-ERS would generally give preference to alternatives that would avoid generating large volumes of waste, provided they are protective of human health and the environment. The final decision on which corrective measure to implement at a site, however, will be made by NMED, subject to review and comment by the public. Thus, the ENV-ERS Program has little control over the amount of waste to be generated during implementation of corrective actions.

REFERENCES

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[i] Pollution Prevention Act of 1990 (Omnibus Budget Reconciliation Act of 1990), 42 U.S.C. 13101, et seq., available at http://www.cornell.edu/uscode.

[ii] May 1993 US Environmental Protection Agency (EPA) interim final guidance, 58 F.R. 10, "Guidance to Hazardous Waste Generators on the Elements of a Waste Minimization Program."

[iii] DOE (US Department of Energy), May 1996. "Pollution Prevention Program Plan 1996," US Department of Energy Office of the Secretary, DOE/S-0118, Washington D.C., available at http://tis.eh.doe.gov/p2/p2integratedhomepage/p2plan.asp.

Reuse, Recycling, and Reduction of an ICP-AES ($4111)

- The Pollution Prevention team paid to have a 7-year old ICP-AES machine and accompanying hardware sent to New Mexico Institute of Mining and Technology. Without the new user, the equipment would have become about 500kg of hazardous waste.

Lead-Free Ammunition for Small-Arms Range ($40,000)

- The Pollution Prevention team purchased 100,000 rounds of lead-free ammunition for the guard staff to use at the practice range. The lead bullets are most often the largest amount of lead that LANL purchases annually. These bullets will be tested during the next training class during January 2006.

Solidification of Liquid Residues ($25,000)

- This project examined the potential to use NoChar to solidify liquid radioactive waste with RCRA constituents to provide a disposal path for the materials, which are classified as No Path Forward wastes. This project is waiting for WIPP certification.

Aerosol Can Puncture Units ($6360)

- The Pollution Prevention team purchased six aerosol can puncturing units for various sites so that more of these can bodies can be recycled. Recycling the can bodies reduces hazardous waste generation.

Mercury-Free Sampler ($10,000)

- This team designed a new system for testing compatibility of high explosives with other materials. The old system involved glass tubes of mercury to detect gas generation, and this method sometimes created a no path forward waste. The new system uses no mercury, reduces waste, and saves staff time on machine maintenance since filtering the mercury was frequently necessary.

Lead Recycling from TA-48 and CMR ($120,000)

- The Pollution Prevention team paid to have approximately 22,000 lbs of lead bricks with surface radioactive contamination sent to Duratek for recycling into drum liners, thereby reducing MLLW generation.

Statistical Analysis of Glovebox Glove Failures ($45,000)

- Working with New Mexico State University, NMT Division examined the causes of unplanned glove breaches. The data will assist in reducing the number of unexpected glove breaches, thereby reducing potential generation of TRU, MTRU, or low-level waste and also creating a safer working environment for the staff.

DOE 2005 Pollution Prevention Awards for LANL

Reusable Containment Structures

Glove boxes and other equipment in the Plutonium Facility at the Los Alamos National Laboratory must be isolated from the rest of the room when they require routine maintenance since they contain hazardous materials. The containment was previously accomplished with tent-like structures built from wood frames and plastic sheeting. Constructing the structures on site was labor intensive and generated significant quantities of low-level waste afterwards. Now a reusable containment structure is attached to an aluminum pole frame that can be reused. These structures can be set up quickly, decontaminated easily, and stored for reuse. The reusable structures reduce low-level waste generation by about 200 cubic meters annually.

Radioactive Liquid Waste Generator Set-Aside Fee Program

The Pollution Prevention Team at Los Alamos National Laboratory has seen a significant increase in the number of project proposals aimed at minimizing radioactive liquid waste (RLW) streams at LANL. In addition, the Readiness Technical Base Facilities (RTBF) program has requested a pollution prevention technical focus on RLW in support of the Radioactive Liquid Waste Treatment Facility (RLWTF) upgrades and replacement project. LANL has limited resources for funding these types of projects, so the P2 group and RTBF have developed a Radioactive Liquid Waste Generator Set Aside Fund (RLW-GSAF). This RLW-GSAF will collect a small fee from all waste generators that discharge RLW for treatment and disposal to generate funds that can be invested on projects designed to remove or reduce the contaminant concentration or volume of RLW.

Job Hazard Analysis Tool Development

Los Alamos National Laboratory developed an Integrated Work Management process (IWM) that defines requirements and a process for doing work in a safe, secure, and environmentally responsible manner. The IWM process is a true integration of safety, security and environment into work activities. The IWM process emphasizes line management responsibility for conducting work compliantly and provides strong Division management accountability. This new process fulfills a key environmental management system requirement for work controls to address significant environmental aspects and covers both compliance and pollution prevention instructions.

Redesigning a Weapons Component to Eliminate Beryllium Use

At Los Alamos National Laboratory (LANL), a particular weapons component was redesigned so that it could be manufactured out of a non-hazardous material instead of beryllium. Beryllium is a hazard because people sensitive to beryllium metal can develop Chronic Beryllium Disease, a disabling and sometimes fatal lung condition. The part was redesigned, tested, and approved for use. Reducing beryllium exposure is beneficial to workers, and this improvement is expected to save LANL approximately $3.2 million through 2007. Total annual savings is $850,000.

Oil-Free Vacuum Pumps

The Los Alamos National Laboratory has switched to using oil-free vacuum pumps for a variety of applications. The oil-free vacuum pumps are beneficial because unlike traditional oil-containing vacuum pumps, oil-free vacuum pumps create no spent oil that requires analysis and becomes waste. Using oil-free vacuum pumps also saves time because employees do not need to periodically change the oil in the pumps, ship any waste, or complete any disposal paperwork. Each oil-free vacuum pump in use saves thousands of dollars annually on labor, sample analysis, and waste disposal.

Radioactive Liquid Waste Treatment Facility Effluent Reuse and Recycle

Personnel at the RLWTF recognized that some of the industrial water supplied by the LANL potable water system could be replaced with recycled effluent. Normal effluent from the RLWTF is discharged from tanks to the NPDES outfall in Mortandad Canyon. A portion of this effluent is now being recycled to the chemical addition tanks at a rate of 6 gallons/minute, 6 hours/day, 5 days a week. The RLWTF also occasionally generates effluent that does not meet the discharge criteria for the NPDES outfall. Historically, this off-spec water was recycled back to the influent tanks of the plant for re-treatment. Now this water is recycled to provide backwash for the gravity filter and rinse water for tanks/systems throughout the facility.

Oversized Transuranic Waste Volume Reductions at the Decontamination and Volume Reduction System

The Decontamination and Volume Reduction System facility is designed to segregate low-level waste and transuranic waste by allowing for characterization, decontamination, and volume reduction of large metallic waste components and process wastes. Overall, the reduction in transuranic waste was about 39%. Additionally, 22 m3 of waste was removed from the transuranic waste inventory, reducing the overall waste management life-cycle cost by roughly $500,000.

LANL 2005 Pollution Prevention Awards

1. Replacement of Beryllium-Copper Snap Ring

A team from ESA and X Divisions found a non-hazardous substitute for a particular type of snap ring they used for shipping. The original snap ring contained beryllium, and the beryllium dust that was generated during strength testing posed safety risks to employees. The new snap ring is made of stainless steel, and many of the safety precautions used during testing of the beryllium-containing snap rings are no longer necessary.

2. Sample Volume Reduction by Recharacterization

Personnel at TA-54 compiled extensive documentation for a particular drum containing a large assortment of unlabeled vials. Without this documentation, each container would have required individual sampling and analytical results for a wide variety of components. The sampling would have taken several days of effort by multiple technicians, generated waste, and would have cost an estimated $500,000. Instead the team determined all possible constituents so that individual sampling was not required to ship the drum for disposal.

3. Waste Reduction by Information Mining

Five drums of legacy waste at TA-54 contained old vacuum pumps that had been coated with a hard, asphalt emulsion. There was speculation that these vacuum pumps contained some quantity of elemental mercury, meaning that treatment would be very difficult and expensive. The original plan was to melt the asphalt off the vacuum pumps so that the mercury could be removed, but this plan would have generated a lot of additional waste materials during the process. The team found documentation that the mercury had been drained by the generator prior to disposal. Savings on treatment of those five drums is an estimated $138,000.

6. Halon Reuse and Refrigerant Reclamation

KSL collected halon from fire extinguishers around LANL and sent about 4000lb to the Department of Defense for reuse. About 8700lb of the halon went to a company called Pure Chem, Inc. in Texas for reclamation and resale. Altogether, LANL avoided disposal of over 12,000lb of resources that were beneficially recovered instead.

11. Elimination of a Hazardous Waste Stream Using Silver Recovery

ESA-AET installed a silver recovery unit on its film-processing operations in two locations at TA-8. Once the silver is removed from the spent photographic fixer, the resulting liquid is no longer hazardous. The silver recovery units will prevent approximately 500 gallons of hazardous waste annually and will allow the silver to be recovered for future use.

12. RCRA Hazardous Waste Labels for Lithium Batteries

A team from NMT-1 and HSR-1 developed a label for lithium batteries that are provided by the TA-55 warehouse. The label explains to users that these lithium batteries

cannot be thrown away in the trash and must be handled as hazardous waste. Any hazardous material that gets mistakenly thrown away in the trash is a potential safety risk to workers and has the potential to leach hazardous chemicals into the environment. The lithium battery labels reduce the chance of hazardous materials being mishandled and reduce overall liability for LANL.

14. Metal Molds for Plutonium Aliquot Production

Metal aliquot molds made out of tantalum will replace graphite molds currently used in the production of plutonium aliquots for pit manufacturing. This replacement eliminates the graphite waste of approximately 200lb annually. The reusable tantalum molds will save workers about 140 hours per year. Overall annual savings total $250,000.

16. Reuse of Containers

200 stainless steel containers that did not meet specifications for special nuclear material storage were used instead to repackage low-level waste. By using these existing containers instead of purchasing new ones, LANL saved about $100,000. An additional $10,000 was avoided because the existing containers had enough shielding to make secondary containers unnecessary, and about 500 cubic feet of low-level waste was avoided this way.

17. Reclamation of Detector Tubes

Members of FWO-SWO sent 419 detector tubes containing helium and argon back to Reuter Stokes, the manufacturer, for reclamation instead of disposing of the tubes as hazardous waste. The team saved LANL approximately $60,000 by choosing reclamation over disposal.

18. Save the Ozone; Reduce the Waste

A team from NMT and N Divisions are replacing compressor unit coolers that contain ozone-depleting refrigerants with thermoelectric coolers. The thermoelectric coolers have longer lifetimes than the compressor units and they do not use any refrigerant gases. In addition to reducing impact on the ozone layer, less mixed low-level waste will ultimately be generated since the thermoelectric coolers will not need replacement as frequently.

19. Minimization Efforts for Low-Level Waste at LANSCE

During a waste segregation project at LANSCE, a team from NWIS and HSR Divisions sorted out approximately 3150 cubic feet of material that had been incorrectly assumed to be low-level waste in the past and packaged the remaining material more efficiently. There was an overall 57% waste volume reduction from this project and avoided waste disposal costs of approximately $45,000.

20. LANSCE Lead Waste Minimization and Recycle Project

The LANSCE waste management team surveyed, packaged, and shipped over 210,000lb of lead for recycle. The remaining lead stockpile was repackaged in plastic wrapping to minimize generation of lead-contaminated debris. By reducing the lead

stockpile by over 80%, there will be fewer potential health, safety, and environmental impact risks.

21. Environmental Liability Reduction Through Removal of Moratorium Metal

LANSCE accumulated 14 roll-off bins of metal as a result of facility upgrades. Having this material onsite represented a potential environmental liability, so the LANSCE waste management team shipped the material to Duratek, a metal processing facility in Oak Ridge, Tennessee. Some of this metal was turned into waste containers that can be used by the DOE complex.

22. Sustainable Design Section Now in LANL Engineering Standards

A new section in the Engineering Standards Manual for LANL was created to centralize sustainable design requirements and guidance. The new section affects the construction of new buildings and major renovations of existing buildings. These changes will allow LANL to better meet DOE expectations for improving energy efficiency and pollution prevention through improved construction.

24. Reduction of Transuranic Waste Through Use of Replacement Furnace Elements

In the past, the Carbolite processing furnaces inside glove boxes at TA-55 had to be completely replaced when the furnace elements burned out. Now these furnaces use replaceable elements, reducing the amount of transuranic waste generated by 83% and waste disposal costs by $30,000 annually. The furnace elements are also easier to install and reduce potential risks to employees.

26. Environmentally Friendly Metallographic Preparation Technique for Uranium Alloys

Some of the chemicals used in the traditional process for preparing uranium alloys contain regulated metals and therefore pose potential environmental risks and require special handling and disposal. MST-6 developed a new procedure that only uses two types of chemicals that do not contain regulated metals. Since fewer, less-toxic chemicals are required, the procedure is safer for employees.

28. Asphalt Millings Erosion Control Berm

KSL and PM Division constructed a new erosion-control berm that is composed of 100% recycled asphalt. The asphalt came from a stockpile generated at LANL from various road resurfacing projects. If the berm had been built from soil, more labor, stabilization, and about 100 cubic feet of materials would have been required.

29. Electronic Business Card Media

LANL has switched to electronic media for much of its recruitment efforts. Instead of paper folders, brochures, and handouts, potential employees are given a business card sized CD that contains all of the same information. The use of this electronic media has reduced the use of paper recruiting materials by 25-40%.

30. Compactability of Low-level Waste

Some of the low-level waste generated at LANL can be compacted so that disposal requires less space. Glass, however, cannot be compacted since broken glass

poses a safety hazard. Richard Salazar of NMT-2 orders chemicals in plastic containers whenever possible. The cost for disposing of compactable low-level waste is only half of the cost for non-compactable waste.

31. Glove Box Decontamination Operations

Members of this team decontaminated old glove boxes that were scheduled for removal from TA-55. Originally the glove boxes would have been handled as transuranic waste. Since the glove boxes were decontaminated, however, they could be more easily and less expensively handled as low-level waste. Waste disposal savings for these five glove boxes was over $9,000.

35. Sanitary Effluent Recycle Facility

The Sanitary Effluent Recycle Facility can recycle about 100 gallons of water per minute from the sanitary wastewater treatment plant for reuse by the cooling towers of the SCC building and several other buildings. The SERF is expected to reuse approximately 20,000,000 gallons of water.

37. Radioactive Liquid Waste Treatment Facility Chemical Usage Reductions

During 2004, a team at the Radioactive Liquid Waste Treatment Facility installed a controlled carbon dioxide pH adjustment system. Now 100lb of sodium hydroxide and 4 gallons of concentrated sulfuric acid per month are no longer needed. Annual savings on chemical procurement are over $6500 and savings on avoided waste disposal are approximately $5000.

38. Wood Pallet Recycling

NWIS-SWO Material Recycling Facility crew began a wood recycling program this fiscal year with a local small business. 2235 pallets, 97 sheets of plywood, 76 2x4s, and 7 wood spools were recycled in 2004 instead of going to the landfill. Annually, this project is expected to prevent approximately 10% of the Laboratory's sanitary waste from ending up at the landfill.

39. Reuse of Hardened De-Icing Salt

Large containers of granular De-Icing salt are placed around TA-55 each winter so that employees can spread salt on the walkways to keep them safe. Despite being stored in plastic containers with lids, the salt accumulates moisture and eventually turns into large chunks that cannot be spread for de-icing. Hundreds of pounds of this unusable salt were going to be disposed as a non-regulated waste. Sheryl worked with facility management to have this salt re-crushed, and it was used for de-icing this past winter. This eliminated a waste stream and saved the cost of purchasing additional salt.

LA-UR-05-8650

Distribution is Limited

November 2005

Los Alamos National Laboratory
Hazardous Waste Minimization Report

Document: Hazardous Waste Minimization Report
Date: November 2005

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.

_____ _____

Kenneth M. Hargis
Division Leader
Environmental Stewardship Division
Los Alamos National Laboratory

Date Signed

_____ _____

Gene Turner
Environmental Permitting Manager
Los Alamos Site Office
National Nuclear Security Administration
U.S. Department of Energy
Owner/Operator

Date Signed

All signatures are on file. Report delivered to NMED on November 17, 2005

Document: Hazardous Waste Minimization Report
Date: November 2005

INTERNAL CERTIFICATION

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_____ _____

Dennis L. Hjeresen
Program Manager
Pollution Prevention Program
Los Alamos National Laboratory

Date Signed

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Date:	November 2005

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_____ _____

Anthony R. Grieggs
Group Leader
Solid Waste Regulatory Compliance
Los Alamos National Laboratory

Date Signed

Document: Hazardous Waste Minimization Report
Date: November 2005

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_____ _____

Jeanne M. Ball
Division Leader
Nuclear Waste and Infrastructure Services
Los Alamos National Laboratory

Date Signed

Document: Hazardous Waste Minimization Report
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_____ _____

Alison Dorries
Group Leader
Environmental Characterization and Remediation Group
Los Alamos National Laboratory

Date Signed

1.0 Los Alamos National Laboratory Hazardous Waste Minimization Plan

1.1 Introduction

Waste minimization is an inherent goal within all the operating procedures of the Los Alamos National Laboratory (the Laboratory). The US Department of Energy (DOE) and the Laboratory are required to submit an annual waste minimization plan to the New Mexico Environment Department (NMED) in accordance with the Laboratory's Hazardous Waste Facility Permit. This plan describes the Laboratory-wide hazardous and mixed waste minimization program (WMin/PP) administered by the Environmental Stewardship Division – Pollution Prevention Program (ENV-PP). This plan also supports the Environmental Stewardship Division – Environmental Remediation Services Project (ENV-ERS) WMin/PP goals and describes its programs to incorporate waste reduction practices into ENV-ERS activities and procedures.

The plan was prepared pursuant to the requirements of Module VIII, Section B.1 of the Laboratory's Hazardous Waste Facility Permit (NM0890010515-1).

1.1.1 Background

In 1990 Congress passed the Pollution Prevention Act[i], which changed the focus of environmental policy from "end-of-pipe" regulation to encouraging source reduction or 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 F.R. 10, "Guidance to Hazardous Waste Generators on the Elements of a Waste Minimization Program."[ii] 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)[iii]. 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 also places responsibility for waste minimization/pollution prevention implementation with the waste-generating program.

1.1.2 Purpose and Scope

The purpose of this plan is to document the Laboratory's approach for minimizing hazardous and mixed wastes. This plan discusses the goals, methods, and activities that will be routinely employed to prevent or reduce waste generation in the fiscal year 2006 (FY06), and the plan reports FY05 waste generation quantities and significant waste minimization accomplishments for FY05. This plan also discusses the Laboratory Director's commitment to waste minimization and pollution prevention, provides a discussion of specific program elements of the ENV-PP Program and the ENV-ERS

WMin/PP Program, and presents the barriers to implementation of further significant reductions.

The plan will discuss institutional policies, goals, and training activities that address hazardous and mixed waste generation. The plan will then provide waste minimization information by the following newly generated waste types: hazardous waste, mixed transuranic waste, mixed low-level waste, and the last section will provide a description of the ENV-ERS WMin/PP Program.

1.1.3 Requirements of the Operating Permit

Module VIII, Section B.1, of the Laboratory's Hazardous Waste Facility Permit requires that a waste minimization program be in place and that a certified plan be submitted annually to the administrative authority. The specific requirements of the permit are listed in Table 1.3-1 along with the corresponding section of the plan that addresses the requirement.

Table 1.3-1
Los Alamos National Laboratory Hazardous Waste Facility Permit, Module VIII, Section B.1

Permit Requirement	Topic	Refer to Report Section
Section B.1.(a)(1)	Policy Statement	Section 2.1
Section B.1.(a)(2)	Employee Training	Section 2.2
Section B.1.(a)(2)	Incentives	Section 2.2, 6.0
Section B.1.(a)(3)	Past and Planned Source Reduction and Recycling	Section 2.5.1, 2.5.2, 3.5, 4.4, 5.4, 6.0
Section B.1.(a)(4)	Itemized Capital Expenditures	Section 2.5.1 and 2.5.2
Section B.1.(a)(5)	Barriers to Implementation	Section 3.4.1
Section B.1.(a)(6)	Sources of Information	Section 2.3
Section B.1.(a)(7)	Investigation of Additional WMin Efforts	Section 2.5
Section B.1.(a)(8)	Utilization of Hazardous Materials	Section 2.4
Section B.1.(a)(9)	Justification of Waste Generation	Section 2.4, 6.0
Section B.1.(a)(10)(a)	Site Lead Inventory Program	Section 3.5
Section B.1.(a)(10)(b)	Steel for Lead Substitution Program	Section 3.5
Section B.1.(a)(10)(c)	Lead Shielding Coating Program	Section 3.5
Section B.1.(a)(10)(d)	Lead Decontamination Program	Section 3.5
Section B.1.(a)(10)(e)	Scintillation Cocktail Substitution Program	Section 3.5
Section B.1.(a)(10)(f)	Radioactive Waste Segregation Program	Section 3.5

1.1.4 Organizational Structure and Staff Responsibilities

The Laboratory Director and the Associate Director for Technical Services have oversight responsibilities and provide annual review of the Laboratory-wide WMin/PP Program goals and performance. The ENV Division has primary responsibility for the Laboratory-wide WMin/PP Program, including the ENV-PP Program and the ENV-ERS Project.

The ENV-PP Program has been tasked by the ENV Division to develop and manage the Laboratory-wide WMin/PP and environmental stewardship program. The ENV-PP Program provides oversight for WMin/PP implementation; a base of technical knowledge and resources for WMin/PP practices; assistance with identifying waste generation trends and WMin/PP opportunities; recommendations for WMin/PP solutions and applications; support in tracking and reporting waste generation trends and WMin/PP successes and lessons learned; assistance in preparing funding applications and proposals for WMin/PP projects; and assistance in overcoming WMin/PP implementation barriers.

2.0 Laboratory Waste Minimization Program Elements

2.1 Laboratory Governing Policy on Environment

The Laboratory is developing a prevention-based environmental management system (EMS), which is expected to be self-certified in December 2005. As part of the EMS, the Laboratory Governing Policy contains the Laboratory's official policy on environment. This policy is the basis for setting annual environmental targets and objectives.

The Laboratory's environmental policy statement:
It is the policy of the Los Alamos National Laboratory that we will be responsible stewards of our environment. It is our policy to manage and operate our site in compliance with environmental laws and standards and in harmony with the natural and human environment; meet our environmental permit requirements; use continuous improvement processes to recognize, monitor, and minimize the consequences to the environment stemming from our past, present, and future operations; prevent pollution; foster sustainable use of natural resources; and work to increase the body of knowledge regarding our environment.

2.2 Employee Training and Incentive Programs

Several employee training and incentive programs exist at the Laboratory to identify and implement opportunities for recycling and source reduction of various waste types. The General Employee Training (GET) course, which is mandatory for all Laboratory employees upon being hired, describes recycling policies at the Laboratory and instructs employees on ways to minimize the volume of solid waste generated at the Laboratory. The Waste Generator Overview course, which is mandatory for all employees who generate waste, includes a section on hazardous waste minimization. The Radworker II course, which is mandatory for all employees who come in contact with radioactive wastes, includes a section on minimization of low-level, mixed low-level, and transuranic waste. As part of the EMS implementation process at the Laboratory, an EMS awareness module was developed that features pollution prevention as a key mechanism for environmental management. All Laboratory employees were required to complete this awareness module.

The Laboratory requires generators to minimize waste and conduct prevention measure assessments in waste management guidance documents and in the work planning requirements under the Integrated Work Management Implementation Procedure (IMP 300-00-00.02)

Another management program in place at the Laboratory is the Permits and Requirements Identification (PR-ID) process, which is a tool to assist Laboratory personnel in identifying, managing, and complying with environment, safety, and health Laboratory Implementation Requirements, which may impact project planning and execution. This process incorporates the evaluation of potential waste-generating activities before project startup and includes review by a WMin/PP subject-matter expert.

The Laboratory's ENV-PP Program and DOE-EH Headquarters in conjunction with NNSA sponsor annual pollution prevention awards programs. The programs provide recognition to personnel who implement pollution prevention projects. The Laboratory submits nominations for the DOE/NNSA Headquarters awards each year. The Laboratory received seven awards for pollution prevention projects during FY05. These projects are expected to eliminate over $2 million in costs annually. The two projects described below involve a reduction of waste with a hazardous component.

- Los Alamos National Laboratory Integrated Work Management Process and Job Hazard Analysis Tool Implementation – This project integrates security, safety, and environment at the work level. This system ensures that pollution prevention is incorporated at the work planning stage. Possible methods for waste reduction can be identified at the beginning.

- Oil-Free Vacuum Pumps – Several Divisions have installed oil-free vacuum pumps for a variety of applications. These are especially valuable in radiation control areas since oil generated in those areas can become MLLW. The traditional oil pumps previously used for those applications required oil changes between one and twelve times per year, and now a substantial amount of time is saved.

The Pollution Prevention team holds a Pollution Prevention award ceremony every year in conjunction with other Earth Day activities. Laboratory employees can submit descriptions of projects they completed during the past year that reduced waste generation at the Laboratory. At the award ceremony, each participating individual and team is recognized with award certificates. Winning UC employees also receive a cash bonus. During FY05, the Pollution Prevention team gave over 200 awards to people who worked on 39 projects to reduce waste generation the Laboratory.

Each year the Pollution Prevention team invites waste generators to submit proposals for funds to buy new equipment or validate new processes that are expected to reduce waste. The program is commonly known as the Generator Set-Aside Fee (GSAF) program, and the funds for these grants are collected by means of a small tax on the generation of each waste item. The Pollution Prevention team reviews the GSAF proposals and distributes the available funds to the projects. If there is not enough money in a given year to fund all of the proposals, the projects are funded based on the amount and type of waste that could be reduced. Estimated returns on investment are calculated, and the projects with the highest projected returns are funded first. Projects that have the potential to continually reduce waste for many years into the future are given priority funding.

In addition to being a positive financial incentive for researchers to try promising new equipment or procedures that might reduce waste, the GSAF program also acts as a negative financial incentive to creating waste because research programs must pay a tax on all waste generated. Costs of taxes and disposal fees will be lower by reducing the amount of waste produced, so researchers have multiple incentives to minimize waste.

2.3 External Sources of Information

The Pollution Prevention team members at the Laboratory are active in other organizations dedicated to the reduction of various types of waste, and some of the information used in ideas implemented at the Laboratory comes from these external sources.

The Pollution Prevention program manager is chair of the Industrial and Engineering Division of the American Chemical Society, serves on the Governing Board of the Green Chemistry Institute, and is on the Energy Facility Contractors Group environmental subcommittee. Three team members belong to the New Mexico Recycling Coalition, and one serves on their Board. One team member has actively participated in the National Pollution Prevention Roundtable's Federal Facility Workgroup since its inception. Two team members serve on the Los Alamos County Solid Waste Advisory Board, and one is the chair. Several team members belong to the National Registry of Environmental Professionals. One team member belongs to the Institute of Hazardous Materials Managers.

In FY05, the Pollution Prevention team had a booth at a community Earth Day event staged by a local environmental group called the Pajarito Environmental Education Center. The Pollution Prevention team gets information on waste source reduction and recycling from local environmental organizations as well as ideas from lessons learned from the DOE and other sites with waste management issues.

The Pollution Prevention Team relies on internet resources such as the US EPA-sponsored P2 Rx, a national pollution prevention information network, US DOE websites, and vendor websites. The Laboratory is a member of the U.S. Green Building Council, and the Pollution Prevention Team makes use of their website. Staff regularly attends conferences on pollution prevention and sustainable design sponsored by DOE, Tradeline, Labs 21, National Pollution Prevention Roundtable, and other organizations. The Laboratory also participates in quarterly P2 conference calls hosted by DOE. The Pollution Prevention Team holds a quarterly P2 program review with DOE Pollution Prevention staff.

2.4 Utilization and Justification for the Use of Hazardous Materials

The Laboratory is a research and development (R&D) facility that sponsors thousands of projects requiring the use of chemicals or materials that may create a hazardous waste. The Laboratory has established pollution prevention and waste minimization requirements for waste generators that include source reduction and material substitution techniques. Best management practices to reduce hazardous waste generation such as the use of micro-scale chemistry, use of non-hazardous cleaning solutions, and other prevention techniques have been adopted across the Laboratory. However, hazardous material use is necessary in some research projects due to customer requirements, project specifications, or the basis of the research.

To encourage the use of non-toxic or less hazardous substitutes whenever possible, the Pollution Prevention team linked a database of alternative chemical choices to its own website during FY05. The database of alternative chemicals was developed by researchers at the Massachusetts Institute of Technology. The database contains possible alternatives

to some hazardous chemicals for particular processes. Everyone at the Laboratory now has access to the database of non-toxic or less hazardous alternative chemicals.

2.5 Investigation of Additional Waste Minimization and Pollution Prevention Efforts

The Pollution Prevention team is constantly looking for new projects to implement that have the potential to reduce waste generation and increase recycling at the Laboratory. The GSAF program is an ongoing program that provides funds to researchers for equipment or validation of new procedures that have the potential to reduce waste generation. The funds cover capital expenditures and frequently cover a portion of the installation and/or operating expenses as well. The ideas for waste reduction often come directly from waste generators or their waste management coordinators, and the Pollution Prevention team also comes up with many of the project ideas. Pollution Prevention team members frequently assist waste generators with the implementation of these projects.

During FY05, each Division at the Laboratory participated in the EMS process and examined its particular impacts on the environment. As a result of the EMS process, each Division created an action plan with objectives and targets for reducing its environmental impact. These action plans provide ideas for projects to implement that will reduce waste generation, increase recycling, save energy, or otherwise reduce environmental impacts.

In addition, the Pollution Prevention Program conducts Pollution Prevention Opportunity Assessments (PPOA) to analyze waste generating processes and develop prevention alternatives. In FY 05, the following PPOAs were completed:

- Chemical Baseline: Environmental High Risk Chemicals (EHRC) and Greener Chemical Alternatives and Substitutions for Bioscience Division: This PPOA examined the use trends of environmentally high risk chemicals and identified green alternatives to two chemicals in use at B Division.
- Revisiting Green is Clean Program Implementation: This PPOA reexamined Green is Clean implementation over the past three years and identified actions to promote and increase GIC performance. This action plan is now tied to Appendix F measures for FY 06.
- Waste Reduction at Aramark Otowi Café: This PPOA examined solid waste trends at Otowi café and developed an action plan to reduce solid waste and increase Otowi Café users' awareness of solid waste issues and reduction opportunities.
- LLW Waste Reduction in Crafts at NMT and CMR: This PPOA examined crafts' material use in and around RCAs and identified procedures and approaches to reduce generation of unnecessary LLW from these activities.
- Minimization of Mercury-Containing Waste in a DX Laboratory: This PPOA examined the use of a mercury sampler at DX and identified non-mercury equipment that could be used as a replacement.
- Source Elimination at DX. This PPOA summarized the waste reductions that were realized through FY 05 through waste minimization activities. Total waste reductions for selected activities were 75%.

2.5.1 Funded Projects

The following lists are titles of GSAF projects and the amounts of funding that they received during the past five years. GSAF projects address TRU, MTRU, LLW, MLLW, HAZ, State, Solid Waste, Toxics Release Inventory Chemicals, and, beginning in FY 05, Radioactive Liquid Waste. However, the following lists only represent projects that were designed to reduce hazardous, MLLW, or MTRU waste.

In FY2001, GSAF funds were allocated to the following projects:

Reduction of Mixed and Low-Level Waste with Imaging Scanner ($23,524)
Nitric Acid Waste Elimination ($50,000)
Coolant Recovery System Upgrade and Addition ($34,500)
Chemical and Equipment Reuse System ($30,000)
Validation of New Chemical Oxygen Demand Test ($13,045)
Identification of Mercury in Sink Drains ($33,000)
Nitrate Waste Elimination ($30,000)

In FY2002, GSAF funds were allocated to the following projects:

Organic Destruction of DX Waste Stream ($50,000)
Oil Characterization and Solidification ($50,000)
Solvent Still Chiller ($6,400)
Binder Ignition Oven for Materials Testing Lab ($10,000)
Granulator of Combustible TRU Waste ($112,585)
Solidification of Aqueous Liquids ($35,000)
LANSCE MLLW Reduction Project ($68,000)
Upgrade of Mercury Shutters ($121,000)

In FY2003, GSAF funds were allocated to the following projects:

Pyroclean Oven for Organic Synthesis Laboratory ($17,000)

- The Pyroclean oven is used to clean glassware with organic residues using only heat to destroy the residues. The oven eliminates the need for solvents and acid to clean the glassware and eliminates the hazardous waste generated by the cleaning process. The laboratory staff can spend their time on more important tasks, and using the oven causes less glass breakage and risk than manual cleaning.

Chemical Pharmacy ($50,000)

- Chemistry Division piloted a chemical pharmacy in one of their groups. The idea was to generate less hazardous waste by sharing chemicals so that they could be completely used up instead of disposing of partially used chemicals. The idea was successful, and researchers working in close proximity to each other are encouraged to share chemicals whenever possible.

Cost and Waste Reduction in Ultra-Trace Cleaning Operation ($37,667)

- The Pollution Prevention team purchased an ultra-trace cleaning system to recycle acid used for cleaning glassware used for inorganic chemical analysis. An estimated 100L per year of hazardous acid waste are now avoided.

Non-Hazardous Resuspension Solution for DNA Sequencing ($56,632)

- The Pollution Prevention team provided money to a research team from Bioscience Division to test a non-hazardous substitute for formamide that they developed in the process to prepare DNA for sequencing. By eliminating formamide, no hazardous waste gets generated from the DNA sequencing process.

Processing of PETN with Supercritical Carbon Dioxide ($50,000)

- The Pollution Prevention team provided money to DX Division to test a method for processing PETN with supercritical carbon dioxide instead of with a mixture of acetone, ethanol, and water. Using non-hazardous carbon dioxide would eliminate 250 gallons of hazardous waste annually.

Reuse of CMR Surplus Chemicals at UTEP Chemistry Department ($1,200)

- The Pollution Prevention team gave money to Chemistry Division to ship surplus, usable chemicals to the Chemistry Department at the University of Texas at El Paso. This project avoided the generation of approximately 60 kg of hazardous waste.

In FY2004, GSAF funds were allocated to the following projects:

Contaminated Lead and Scrap Metal Abatement ($35,000)

- Excess lead bricks and pigs with some external radioactive contamination were collected at the Laboratory for shipping to Duratek. The lead was recast into linings for drums designed to store radioactive waste.

Recycling Shipment of Lead from Radiation Control Areas ($36,000)

- Approximately 30,000 kg of lead with external radioactive contamination were shipped to Duratek for recycling into drum liners. This lead would have become MLLW if it had not been recycled.

Micro-Scale Chemistry ($5,000)

- This project proved the effectiveness of using micro-scale quantities of solvents for chemical synthesis experiments. Instead of reactions involving 25ml – 2L of solvents each, these experiments can now be done with 1-5ml each. An estimated 20 kg of hazardous waste is avoided annually through this project.

Oil-Free Vacuum Pumps at LANSCE Lujan Target ($91,530)

- An estimated 368 kg of MLLW oil is avoided annually with this project. By switching to oil-free vacuum pumps to operate the target at the Lujan Neutron Scattering Center, no oil needs to be changed monthly. Not only is a significant amount of MLLW avoided, but a lot of time is saved for more important tasks as well.

Aerosol Puncturing Unit ($1,000)

- The Pollution Prevention team purchased an aerosol can puncturing unit for the staff at TA-55. By puncturing aerosol cans and draining the contents, the steel bodies can be recycled, and the amount of hazardous waste generated can be reduced.

Precious Metals Recovery by Electrowinning ($15,000)

- The Pollution Prevention team purchased a commercial electrowinning unit for MST Division. By installing this unit in the plating shop, approximately 100gallons of cyanide solution hazardous waste can be avoided annually since

the cyanide is broken down and the resulting liquid can act as rinsate. In addition, about 2kg each of gold and silver were recovered from solution.

Development of Bench Scale Molten Salt Oxidation Processes for Treating Pu-238 Contaminated Combustible Waste ($89,500)

- The Pollution Prevention team provided money to test a molten salt oxidation unit. The idea is to oxidize materials such as cheesecloth and plastic contaminated with Pu-238 without using a flame. Doing so allows recovery of the Pu-238 and reduces the volume of waste.

In FY2005, GSAF funds were allocated to the following projects:

Reuse, Recycling, and Reduction of an ICP-AES ($4111)

- The Pollution Prevention team paid to have a 7-year old ICP-AES machine and accompanying hardware sent to New Mexico Institute of Mining and Technology. Without the new user, the equipment would have become about 500kg of hazardous waste.

Lead-Free Ammunition for Small-Arms Range ($40,000)

- The Pollution Prevention team purchased 100,000 rounds of lead-free ammunition for the guard staff to use at the practice range. These bullets will be tested during the next training class during January 2006.

Solidification of Liquid Residues ($25,000)

- This project examined the potential to use NoChar to solidify liquid rad waste with RCRA constituents to provide a disposal path for the materials, which are classified as No Path Forward wastes. This project is waiting for WIPP certification.

Aerosol Can Puncture Units ($6360)

- The Pollution Prevention team purchased six aerosol can puncturing units for various sites so that more of these can bodies can be recycled.

Mercury-Free Sampler ($10,000)

- This team designed a new system for testing compatibility of high explosives with other materials. The old system involved glass tubes of mercury to detect gas generation, and this method sometimes created a no path forward waste. The new system uses no mercury, reduces waste, and saves staff time on machine maintenance since filtering the mercury was frequently necessary.

Lead Recycling from TA-48 and CMR ($120,000)

- The Pollution Prevention team paid to have approximately 22,000 lbs of lead bricks with surface radioactive contamination sent to Duratek for recycling into drum liners, thereby reducing MLLW generation.

Statistical Analysis of Glovebox Glove Failures ($45,000)

- Working with New Mexico State University, NMT Division examined the causes of unplanned glove breaches. The data will assist in reducing the number of unexpected glove breaches, thereby reducing potential generation of TRU, MTRU, or low-level waste and also creating a safer working environment for the staff.

2.5.2 Current FY 06 Projects

FY06 GSAF projects are chosen from the submissions of Laboratory employees and funded in November. The first priority for funds is always given to projects with the potential to eliminate waste streams with no known disposal path. The second priority is given to projects that could reduce mixed TRU waste, TRU waste, MLLW, LLW, and hazardous waste. About 60% of the funds are for the solid wastes described above, and the balance is reserved for projects to minimize radioactive liquid waste. FY06 projects that support the EMS objectives and targets of a Division received additional consideration.

The following list contains titles of GSAF projects and the amounts of funding they received during FY06 that specifically address hazardous and mixed waste types.

Investigation of Chromatographic Resin Used for Trace Element Analysis ($10,000)
Recycle Nitric Acid Demonstration ($74,300)
Qualification of Recycled Nitric Acid for the Aqueous MOx PuO2 Polishing Project ($106, 978)
Acid Recycle ($30,000)
Plastic Replacement ($35,000)
Laboratory Automation to Reduce MLLW Generation ($25,000)
Eliminating high normality HCl ($20,420)
Statistical Analysis of Glovebox Failures, Part 2 ($45,000)
Elimination of Peroxide Forming Waste Stream ($12,000)
X-Ray Fluorescence Method Improvements to Reduce TRU Waste ($36,800)
MLLW Vacuum Pump Replacement ($25,000)
Sno-Machining, Part 2 ($60,000)
Plasite Paint Stripper Substitution Project ($8,000)
Tritium Sign Replacement Survey ($5,000)
Chemical Life Cycle Management ($60,000)
DX P2 Plan Development ($42,700)

3.0 Hazardous and New Mexico Special Waste

3.1 Introduction

The annual hazardous waste disposal amount reported as part of the Pollution Prevention Program DOE reporting requirements is based on the total waste disposed through the Laboratory's Solid Waste Operations (SWO) system and does not include waste generation amounts prior to on-site treatment.

In brief, 40 Code of Federal Regulations (CFR) 261.3, as adopted by the NMED as 20.4.1.200 NMAC, define 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, corrosivity, 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 at the Laboratory 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 high-explosives (HE) wastewater treatment plants also qualify as hazardous waste.

Most hazardous wastes are disposed of through Duratek Federal Services, a Laboratory subcontractor. This company sends 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 to the Laboratory at commercial rates specific to the treatment and disposal circumstance. Figure 3-1 shows a process map for waste generation at the Laboratory.

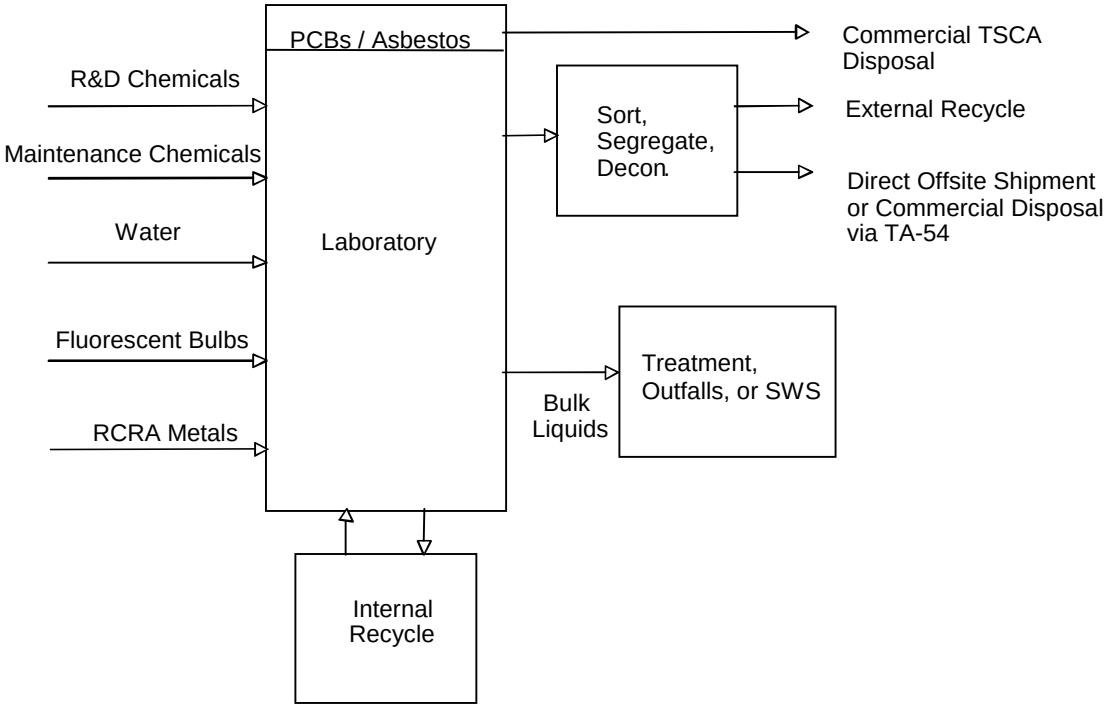

Figure 3-1. Waste process map

The quantity of routine and non-routine hazardous waste that was generated at the Laboratory and the amount of hazardous materials that were recycled during FY05 is shown in Figure 3-2.

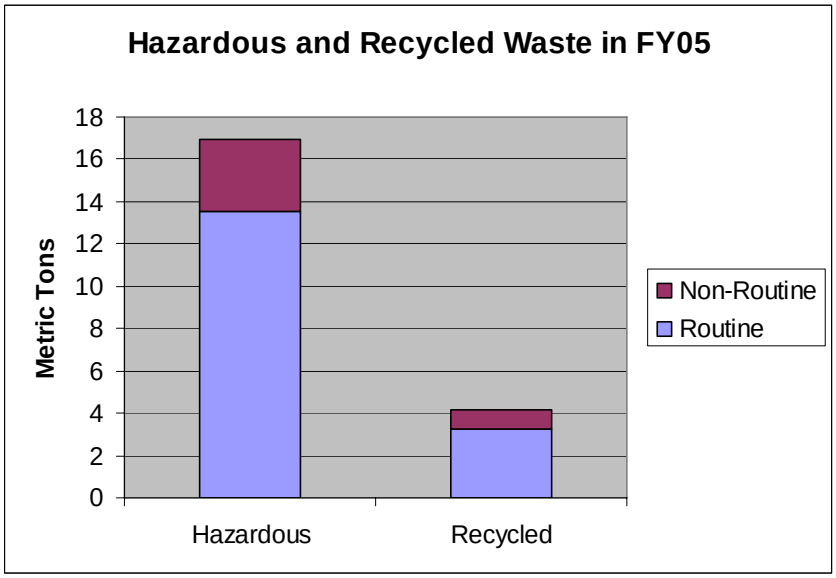

Figure 3-2. Hazardous waste and recycled hazardous materials generated during FY05

The Divisions that produced the most hazardous waste at the Laboratory during FY05 were Biosciences (B), Facility Management (FM), Chemistry (C), Material Science and Technology (MST), Dynamic Experimentation (DX), Engineering Science and Applications (ESA), and Nuclear Materials Technology (NMT). The hazardous waste generation by division is shown in the pie chart in Figure 3-3.

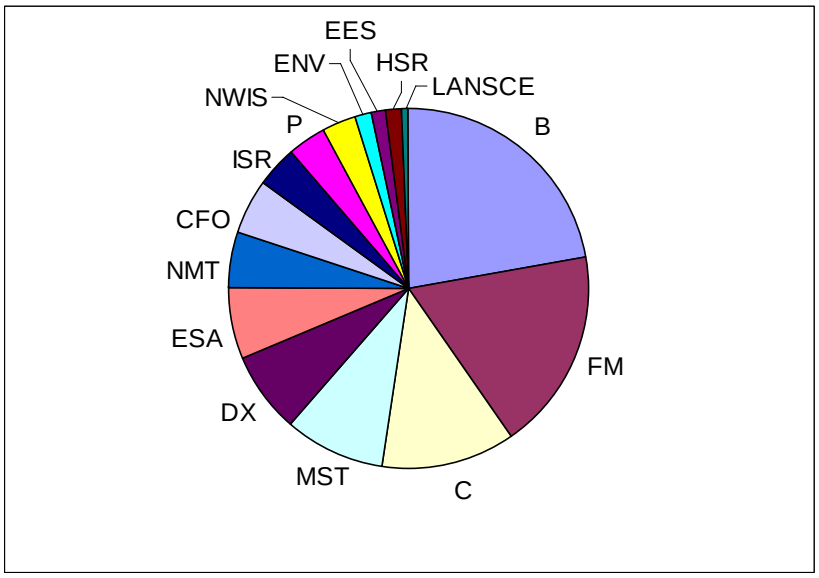

Figure 3-3. Hazardous waste by Division during FY05. This includes routine and non-routine hazardous waste generation.

3.2 Hazardous Waste Minimization Performance

The DOE Secretarial Pollution Prevention / Energy Efficiency 2005 goal was to reduce hazardous waste and New Mexico Special State waste from routine operations by 90%, using a calendar-year 1993 (CY93) baseline. The Laboratory's CY93 baseline quantity was 307,000 kg; therefore, the FY05 target was 30,700 kg. The graph created for the DOE is included in this report to illustrate the significant downward trend in routine hazardous and State waste generation over time. The DOE requires the Laboratory to separate routine and non-routine waste for reporting purposes, and the Pollution Prevention team focuses more attention on routine waste streams since they are generated from ongoing operations where prevention interventions are most applicable. Non-routine waste comes primarily from restoration activities where waste is already generated and prevention opportunities are limited.

The trend over the last several years has been good, with the FY05 goal having been met three years early in FY02. The amount of routine hazardous and State waste generated in FY05 was 14.63 metric tons, excluding recycled materials such as batteries, aerosol cans, bulbs, and elemental mercury. The Laboratory's performance in routine hazardous waste generation is shown in Figure 3-4.

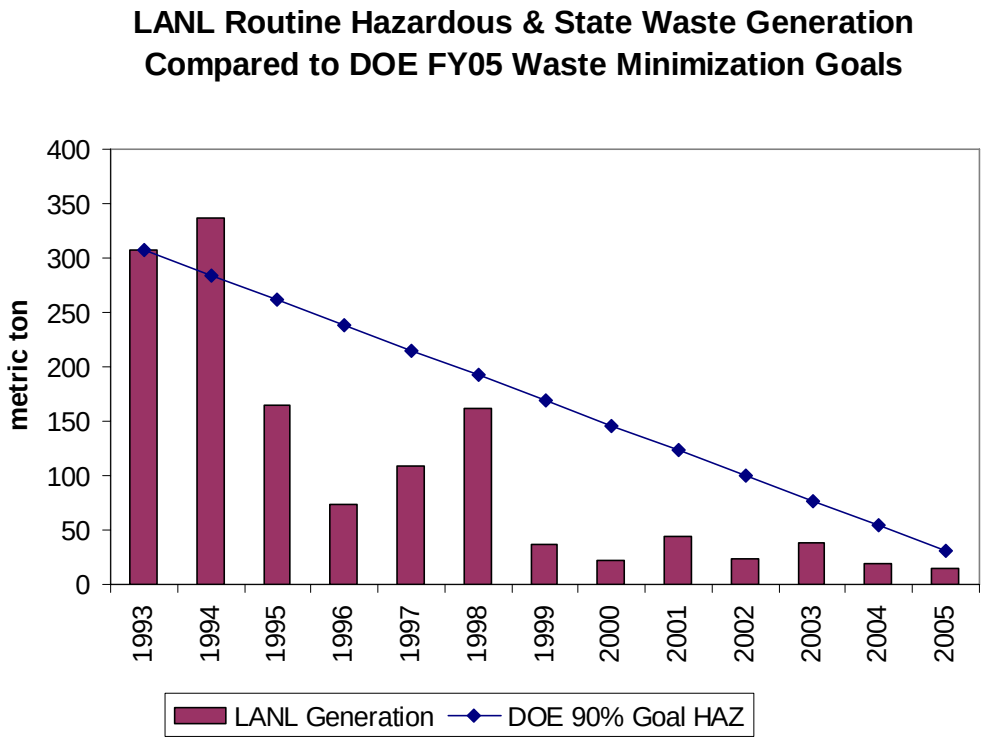

Figure 3-4. Routine hazardous and State waste generation compared with DOE's FY05 Hazardous and State Waste 90% reduction goal.

3.3 Waste Stream Analysis

Hazardous waste is derived from hazardous materials and chemicals purchased, used, and disposed of; hazardous materials already resident at the Laboratory that are disposed of as part of equipment replacement, facility replacement or decommissioning; and water contaminated with hazardous materials. After material is declared waste, hazardous waste is characterized, labeled, and collected in appropriate storage areas. The waste is then either shipped directly to offsite TSDFs or transshipped to Area L of Technical Area (TA)-54, from which the waste gets shipped to an offsite TSDF. ENV-ERS project waste is typically shipped directly from sites to commercial TSDFs. Spent research and production chemicals make up the largest number of hazardous waste items.

The largest waste streams in the Laboratory's routine and non-routine hazardous waste category for FY05 are described in section 3.3. This analysis excludes ENV-ERS wastes since this material is discussed in section 6.0. This analysis also excludes items that are recycled such as aerosol cans, batteries, and ferric chloride solution. The Laboratory also generates HE waste and HE waste waters that are treated on site, and these are also excluded. The breakdown of various components of hazardous waste for FY05 is shown in Figure 3-5.

Solvents. EPA-listed and characteristic solvents and solvent-water mixtures are used widely at the Laboratory in research, maintenance, and production operations. Non-toxic replacements for solvents are used whenever possible, and new procedures are adopted when available that either require less solvent than before or eliminate the need for solvent altogether. As a result, the total volume of solvents generated at the Laboratory has decreased over the past decade. However, solvents are still required for many procedures, and solvents persist as a large component of the Laboratory's hazardous waste stream.

Unused/Unspent Chemicals. The volume of unused and unspent chemicals varies each year, but this waste stream usually composes a significant fraction of the Laboratory's total hazardous waste. Researchers are encouraged not to buy more of any chemical than they are certain to need for the next several months to avoid having any unused amount. The Laboratory is always looking for ways to improve the chemical procurement system so that new chemicals can be delivered very quickly, and lost research time due caused by delays in chemical shipments can be avoided.

Strong Acids and Bases. A variety of strong acids and bases, such as hydrochloric acid and sodium hydroxide, are routinely used in research, testing, and production operations. Over the past decade, the Laboratory has reduced its overall volume of hazardous acid and base waste 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. Strong acids made up over 90% of this waste stream during FY05.

Hazardous Solids. This waste stream includes inert barium simulants from DX Division, soil samples, contaminated equipment, cathode ray tubes, demolition debris, and various solid chemical residues from experiments. Nearly 75% of this waste stream during FY05 was painted wallboard from a demolition project.

Hazardous Liquids. This waste stream is primarily aqueous, neutral liquids generated from a variety of analytical chemistry procedures. About half of this stream during FY05 came from spent photochemicals. This waste stream also includes cutting fluid contaminated with lead, nutrient broth, and water samples.

Lab Trash and Spill Clean-up. 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. Lab trash mostly consists of paper towels, pipettes, personal protective equipment, and disposable lab equipment.

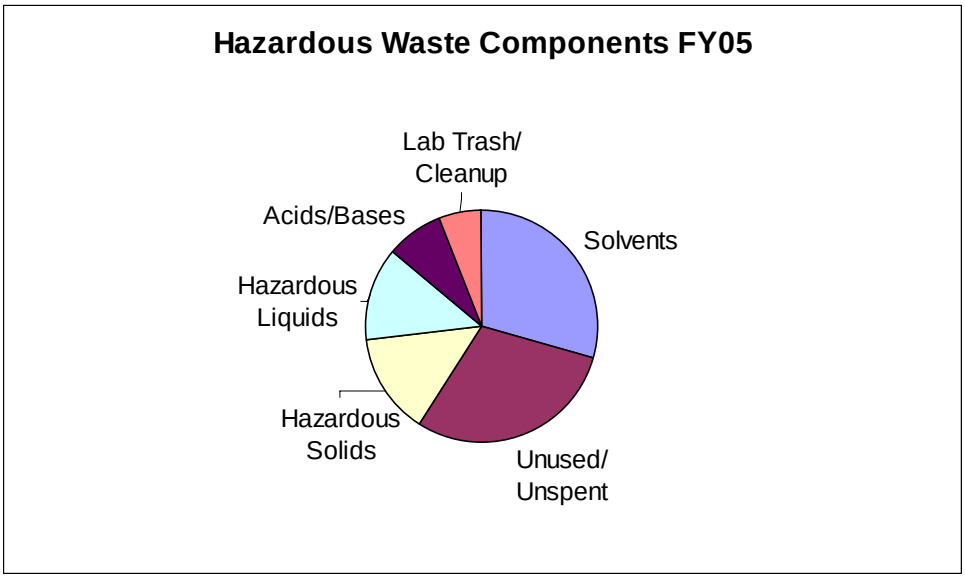

Figure 3-5. FY05 hazardous waste stream components excluding ENV-ERS waste.

3.4 Hazardous Waste Minimization

The Laboratory requires chemicals to perform research and development experiments, properly maintain its facilities, and produce materials and items related to mission activities. The Laboratory follows good laboratory practices and trains its employees extensively to work safely with chemicals and minimize the amount of waste generated. The Laboratory is always looking for new equipment or process technologies that will reduce the amount and/or toxicity of chemical waste generated. The Laboratory is working on a Chemical Life Cycle Management Plan that will improve chemical procurement, encourage use of surplus chemicals on-site and provide greener alternatives. Reducing chemical waste generation has many positive implications including improved efficiency, lower costs, easier compliance with environmental regulations, and a safer working environment.

3.4.1 Hindrances to Hazardous Waste Minimization

One significant component of the hazardous waste stream at the Laboratory is 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.

Many private companies and DOE facilities have a chemical pharmacy that provides a central location where good chemicals can be stored and used by any employee who needs them. However, this situation is not practical at the Laboratory because the research sites are very spread out. Transporting the large number of unused and unspent chemicals generated at the Laboratory would make individual shipments very logistically complex.

The program would be costly from a personnel perspective since additional full-time employees would be required to manage the pharmacy, coordinate shipping, and drive the chemicals safely from one site to another.

Although a central chemical pharmacy at the Laboratory is impractical, the existing ChemLog chemical inventory system is being modified so that chemical users can list and look at unspent chemical lists of other researchers before those chemicals become classified as waste. This list will allow researchers in the same building or nearby buildings to share unspent chemicals and reduce the number of items contributing to this waste stream.

3.5 Ongoing Hazardous Waste Minimization Programs

Lead Sharing

Several Divisions at the Laboratory maintain a supply of lead bricks for protective shielding purposes. The Laboratory has a program to share surplus lead among Divisions so that no new lead needs to be purchased. Each Division has an inventory of their stored lead reserves. Uncontaminated lead that is unnecessary anywhere at the Laboratory can be recycled offsite or recast into new shapes for internal reuse. During FY05, the Laboratory recycled 11.37 metric tons of lead.

Lead Substitution and Removal

Several Laboratory Divisions have examined non-hazardous substitutes for lead. Stainless steel is a good substitute for many purposes, but it is often too expensive to be practical, especially when surplus lead tends to be available from other Laboratory Divisions. Other lead substitutes are being used in many instances. Shielding bricks made of a bismuth or tungsten-based material are being used in some areas; lead-free personal protection aprons are used in some laboratories; and plastic pipe valve ties replaced all of the lead ties that were formerly used to protect valves from tampering.

During FY05, over 230 lbs. of lead-containing cathode ray tubes from electronic equipment was removed from radiation control areas. The tubes were carefully surveyed for contamination, and when none was found, they were sent away for disposal as non-routine hazardous waste. By removing these items from radiological control areas (RCAs), the potential for creating mixed low-level waste was significantly reduced.

Lead Protection

Many researchers at the Laboratory protect their lead bricks from contamination by wrapping them in tape or by placing them in plastic bags. Lead bricks are often used behind concrete barriers for shielding purposes, and the concrete acts as protection for the lead in these cases.

The Laboratory does not use a bench-scale, onsite method to decontaminate lead. If lead bricks become damaged, the lead bricks can be sent to an offsite facility for recasting into new bricks or custom shapes. If lead becomes contaminated, it can be sent to a different offsite facility for decontamination.

Non-Hazardous Scintillation Fluid
Non-hazardous scintillation fluid has become commonly used at the Laboratory. No hazardous waste or mixed low-level waste scintillation fluid was generated at the Laboratory during FY05. The shift away from the hazardous variety of scintillation fluid reflects the desire of the Laboratory to improve safety for its employees and minimize impact to the environment.

Radioactive Waste Segregation
The Laboratory has had a program in place for many years to prevent the commingling of radioactive waste with other types of waste. In labs that perform work with radioactive substances, particular areas of the lab or bench are clearly marked off so that any potential contamination can be contained to a small area. The marked area in the lab contributes to overall good housekeeping procedures, and hazardous chemicals not directly involved in experiments in these marked areas can be kept away to prevent the unnecessary generation of mixed low-level waste.

Mercury Substitution
One ongoing project at the Laboratory is to replace mercury-containing thermometers 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 radiation control areas so that the generation of mixed low-level waste can be avoided. The mercury in replaced thermometers and in other obsolete mercury-containing equipment gets recycled.

Acid Waste Reduction and Recycling
The metal plating shop in MST 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 400kg of hazardous waste acid are eliminated every year.

Base Waste Reduction and Recycling
The Detonator Technology group (DX-1) 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 at the Laboratory in a process to neutralize acidic waste. The neutralization procedure works very well with the spent caustic solution. About 1200 gallons of caustic solution hazardous waste are avoided annually.

Solvent Waste Reduction and Recycling
There have been many projects implemented at the Laboratory to reduce the use of solvents since solvents have consistently been one of the largest components of the routine 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 are destroyed by a catalytic oxidizer system.

- The Laboratory's 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 works better for cleaning metal parts than solvent. The hot water parts washer saves time for employees, decreases their chemical exposure, and reduced hazardous waste solvent generation by about 4000kg annually.

- The Material Testing Lab now 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 400kg of hazardous waste annually.

- In Bioscience Division, the solvent formamide has been eliminated from the preparation process to sequence strands of DNA. Formamide is a suspect teratogen, and Laboratory employees performed validation experiments to prove that a water-based solution called TE worked just as well as formamide for resuspending DNA prior to sequencing. Eliminating formamide reduces hazardous waste solvent and lab trash, thereby reducing paperwork and costs. The National Nuclear Security Administration (NNSA) gave this project a Best-in-Class Pollution Prevention award in 2004.

- The Chemistry Division organic synthesis team once performed experimental chemical synthesis activities in macro-scale glassware (25mL to 2L) reaction vessels. Now the researchers use reaction vessels of 5mL or less, which reduces the volume of solvent used. Typical solvents include toluene, methylene chloride, tetrahydrofuran, and ethanol.

Coolant Waste Reduction and Recycling

MST and ESA 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. Collectively, these two divisions used to produce about 15,000kg of hazardous waste coolant annually. The coolant recycling system eliminated coolant waste from these facilities, and now only recyclable oil is generated.

Spill Waste Recycling and Reduction

One of the largest sources of routine State waste in the past was oil-contaminated soil from heavy equipment oil leaks on Laboratory property. The heavy equipment maintenance shop systematically replaced the aluminum hose fittings on heavy equipment with stronger

steel fittings, and the number of leaks and the amount of waste generated was reduced by over two-thirds.

The heavy equipment maintenance shop also generated routine State waste by soaking up oil spills inside the shop with vermiculite. The shop started using a different absorbent that contained oil-digesting bacteria. By storing used absorbent in a special bin for a few weeks, the oil would be completely digested, and the absorbent could be reused indefinitely within the shop. The heavy equipment maintenance shop reduced its generation of State waste and its purchases of vermiculite by over 95%. The NNSA gave the heavy equipment maintenance shop a Pollution Prevention award in 2004.

Lead-Free Ammunition

Lead is a persistent, bioaccumulative toxin in the environment. Under the Emergency Planning and Community Right-to-Know Act (EPCRA), Section 313, lead is a toxic release inventory (TRI) compound with a reporting threshold of 100 lbs. Historically, the Laboratory security contractor, PTLA, has used lead 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. PTLA received the lead-free bullets during the summer of 2005, and they will be used during the next training course that begins in January 2006.

4.0 Transuranic and Mixed Transuranic Waste

4.1 Introduction

Transuranic (TRU) waste is waste containing >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 (HLW); (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 Code of Federal Regulations 40 CFR 191; or (3) waste that the United States Nuclear Regulatory Commission (NRC) has approved for disposal on a case-by-case basis in accordance with 10 CFR 61. TRU waste is generated during research, development, nuclear weapons production, and spent nuclear fuel reprocessing.

TRU waste has radioactive elements such as plutonium, with lesser amounts of neptunium, americium, curium, and californium. These radionuclides generally decay by emitting alpha particles. TRU waste also contains radionuclides that emit gamma radiation, requiring it to be either contact handled or remote handled. Mixed TRU (MTRU) waste is defined the same way as TRU waste, except that is also contains hazardous chemicals regulated under the Resource Conservation and Recovery Act (RCRA).

MTRU and TRU waste at the Laboratory can be classified as either legacy waste or newly generated waste. Legacy waste is that waste generated before September 30, 1998. DOE Environmental Management (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; DOE/Defense Programs (DOE/DP) is responsible for disposing of this waste at WIPP. This report focuses only on the newly generated wastes. Within this broad category, 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 nonactinide metals. Liquid MTRU is a small percentage of total MTRU, and these wastes are primarily organic liquids.

TRU solid wastes are accumulated, characterized, and assayed for accountability purposes at the generation site. TRU solid waste is packaged for disposal in metal 55-gallon drums, 4-x-4-x-6 ft standard waste boxes (SWBs), and oversized containers. Security and safeguards assay measurements are conducted on the containers for accountability before they are removed from PF-4. TRU wastes removed from PF-4 in drums, Pipe Overpack Containers (POCs) and SWBs are shipped to TA-54, Area G for storage. Oversized containers of TRU waste are staged on an asphalt pad behind PF-4 and are shipped to TA-54. Detailed characterization of TRU wastes occurs at TA-54-34, the Radioassay and Nondestructive Testing Facility and at TA-50-69, the Waste Compaction, Reduction, and Repackaging Facility. Samples from drums are sent to the CMR building for characterization in some cases. TRU waste is stored at TA-54, Area G, until it is shipped to WIPP for final disposal. Certification of the waste for transport and disposal at WIPP is done by the TRU Certification Program group of the Nuclear Waste and Infrastructure Services Division (NWIS-TP). This work was formerly handled by the Environmental Stewardship Division before a reorganization event during November 2004. NWIS Division generates TRU wastes as a direct result of treating, characterizing, and certifying

legacy and newly generated waste produced by Nuclear Materials Technology Division (NMT). The top-level process map for TRU waste is shown in Fig. 4-1.

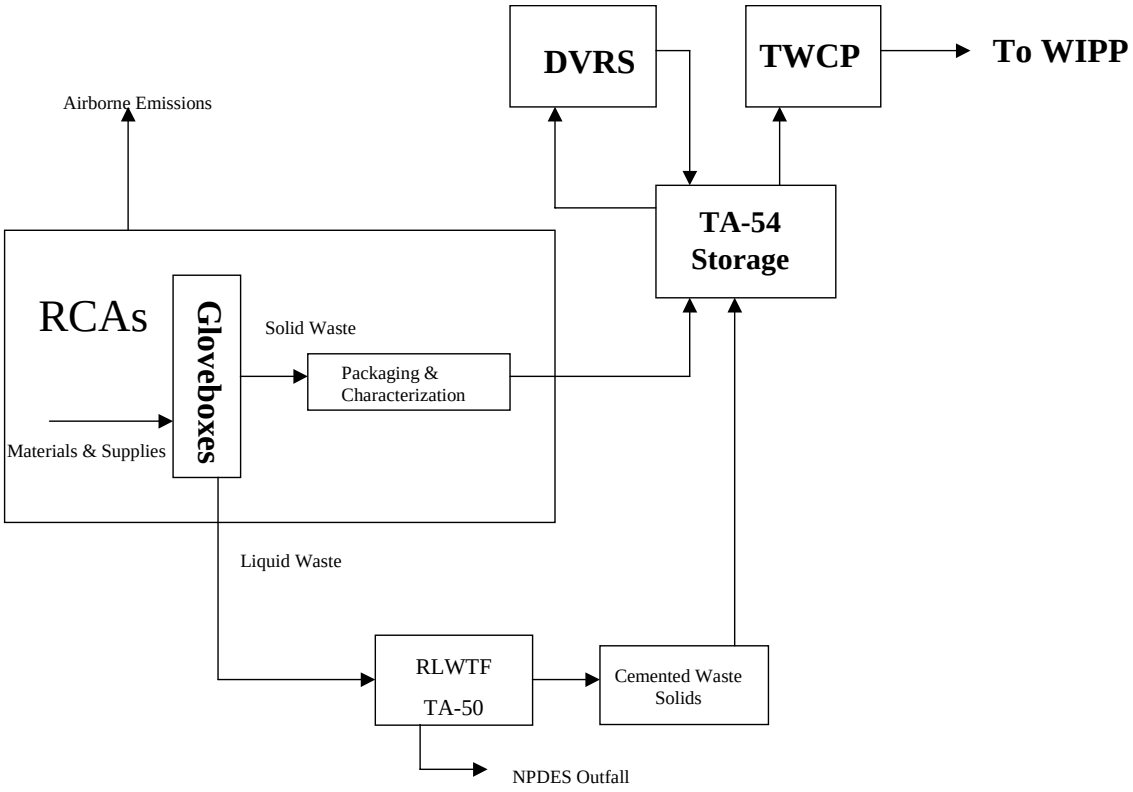

Figure 4-1. Top-level TRU and MTRU waste process map and waste streams

Materials and supplies are brought into a RCA and introduced into a glovebox. Waste leaves the glovebox in the form of either solid or liquid wastes. Solid wastes are packaged, characterized, and shipped to TA-54 for storage. Liquid wastes are sent to the Radioactive Liquid Waste Treatment Facility (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 liquid is discharged to a NPDES permitted outfall. Oversized TRU waste items are further processed at TA-54 through the DVRS facility where they are sized reduced and repackaged for shipment to WIPP. And finally, all waste is processed by the TRU Waste Characterization/Certification Program (TWCP) prior to shipment to WIPP.

During FY05, approximately 99% of the routine and non-routine MTRU was generated by NMT Division as a result of ongoing operations. NWIS Division contributed the other 1% of the MTRU waste generated during FY05. All of the MTRU waste from NWIS is secondary (non-routine) waste generated from the certification and repackaging of previously generated TRU waste. The D&D Program has produced TRU waste intermittently, and this waste is related directly to the area or facility being restored or decommissioned.

The total volume of routine and non-routine MTRU waste generated by the Laboratory is shown in Fig. 4-2.

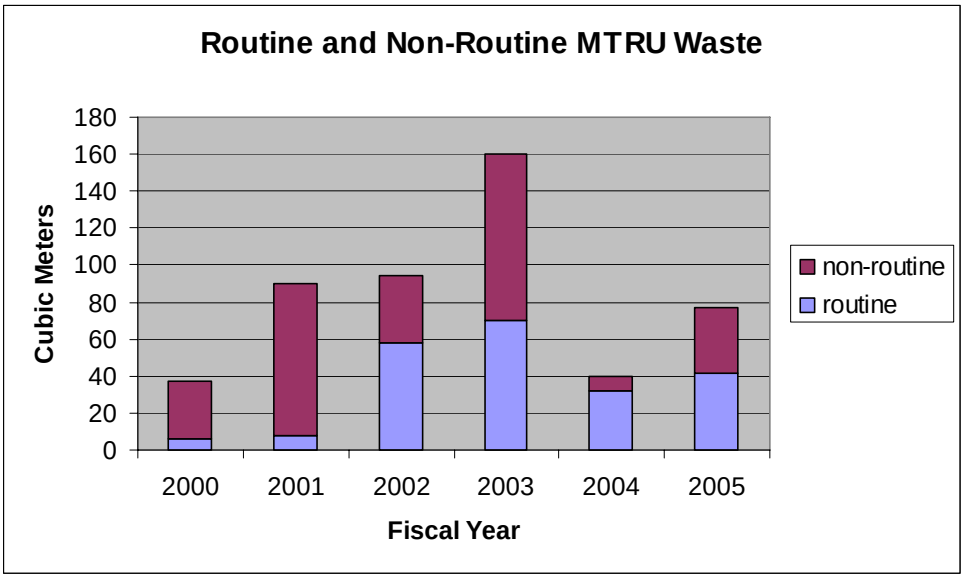

Figure 4-2. Generation rates for MTRU waste at the Laboratory

4.2 TRU Waste Minimization Performance

On March 16, 2000, a radiological release of ^{238}Pu occurred near a glovebox in the Laboratory's Plutonium Processing and Handling Facility (TA-55). As a result of the subsequent investigation and response, work within TA-55 was curtailed for the remainder of FY00 and a portion of FY01. The curtailment of operations resulted in artificially low MTRU waste generation rates for FY00 and FY01. Similarly, MTRU generation rates during FY04 were artificially low due to the shutdown of Laboratory activities during the fourth quarter. Figure 4-2 shows that the total volume of MTRU waste has decreased since 2002. Some of the annual fluctuation is a result of shipping legacy waste to WIPP in addition to newly-generated waste.

4.2.1 Future Goal Compliance

In FY01, NMT Division prepared an integrated TRU Waste Minimization Management Plan that included project descriptions, required technologies, cost, cost savings, waste reduction estimates, and implementation issues for a comprehensive set of waste avoidance/minimization activities specific to NMT Division operations. The NMT

Division philosophy and expectations for environmentally conscious plutonium processing are presented in the NMT Division Waste Management Program Plan. The goals of the Waste Management Program Plan were to reduce liquid waste by 90% and essentially to eliminate the combustible waste stream by CY03. Both plans made assumptions regarding annual funding levels and programmatic priorities.

Since the development of NMT Division Waste Management Program Plan, funding for waste minimization projects has not materialized. Waste minimization is secondary to the programmatic goals for new projects, and even ongoing waste generation reduction projects may not necessarily result in lower waste volumes. For example, the Defense Nuclear Facilities Safety Board recommendation 94-1 requires that much of the Special Nuclear Material (SNM) formerly held in the PF-4 vault for reprocessing be discarded as TRU waste. Although that material is discarded as non-routine waste, SNM material generated from ongoing activities that would have been held in the vault for reprocessing is also being discarded as routine TRU waste. Due to the actinide concentration of these waste items only a few can be packaged in each drum before the SNM limit of the drum is reached. Although the volume of the actual waste is quite small, the total volume of the drum or SWB is used to calculate waste volume. Thus a few small waste items are reported as a volume of 0.208 m^3 (55-gallons) of waste, and most of the "waste volume" is air. In addition, some waste items are being packaged in POCs to reduce the dose rate to levels acceptable for shipping and storage. The packing inside a POC limits the waste volume to approximately $1/6^{th}$ of the actual container volume. Further minimization of the waste volume results in an even smaller volume of waste being packaged in each drum.

4.3 Waste Stream Analysis

TRU wastes are generated within RCAs. These areas also are material balance areas used for security and safeguards to prevent the potential diversion of SNM. TRU and MTRU wastes are reported separately because of the different characterization requirements for the wastes. These requirements are detailed in the RCRA and the FFCO/STP—NMED, which stipulates treatment requirements for MTRU wastes. In CY99, WIPP received a "No Mitigation Variance", which allows it to accept MTRU waste for disposal without treatment. However, the characterization requirements for MTRU waste remain. MTRU waste can be shipped to WIPP without treatment, except as needed to meet storage and transportation requirements. In this report, TRU/MTRU wastes will be discussed as one waste type because the waste minimization strategy for both waste types is the same.

The TA-55 Plutonium Facility processes ^{239}Pu from residues generated throughout the defense complex into pure plutonium feedstock. The manufacturing and research operations performed at TA-55 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 TRU waste generated at TA-55.

TRU waste materials, process chemicals, equipment, supplies, and some RCRA materials are introduced into the RCAs in support of the programmatic mission. All SNM introduced into Building PF-4 at TA-55 is stored in the vault in the basement until needed

for processing. Because of the hazards inherent in the handling, processing, and manufacturing of plutonium materials, all process activities involving plutonium are conducted in gloveboxes. High levels of plutonium contamination can build up on the inside surfaces of gloveboxes and process equipment as a result of the process or leaking equipment. 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 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 that waste is shown in Fig. 4-4.

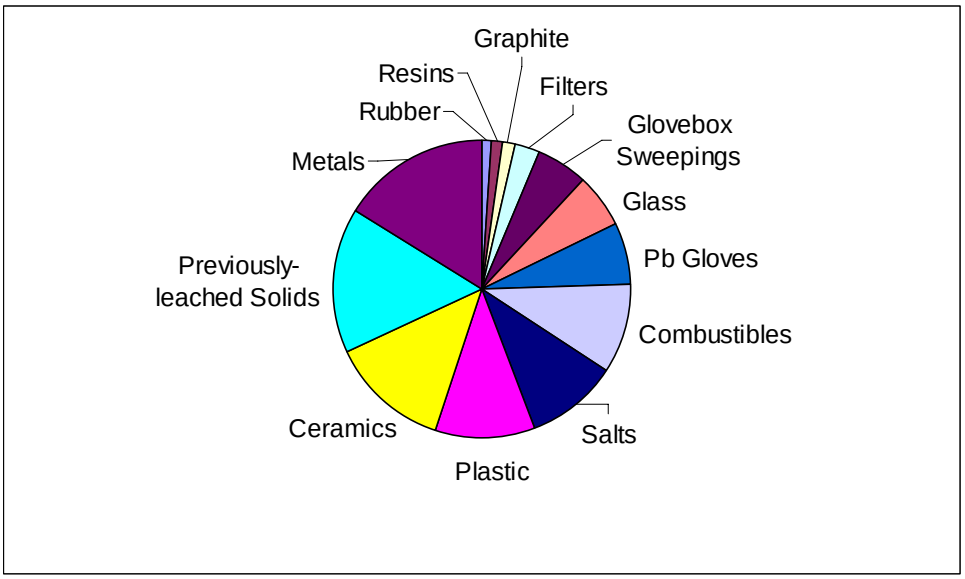

Figure 4-4. **Composition of MTRU waste from NMT Division by Volume, FY05**

Combustible Wastes. Combustible wastes comprise ~10% of the MTRU waste generated at the Laboratory. Combustible waste comprises mostly plastic bags, plastic reagent bottles, plastic-sheets used for contamination barriers, cheesecloth, gloves, protective clothing worn by workers, and a small volume of organic chemicals and oils. The combustible solids are contaminated with hazardous chemicals such as solvents or lead.

Noncombustible MTRU Waste. Noncombustible MTRU waste includes glass, high-efficiency particulate air (HEPA) filters, graphite, plastic, rubber, or other materials.

Nonactinide Metals. Nonactinide metals are any metallic waste constituents that may be contaminated with, but are not fabricated out of, actinide metals. Metallic wastes typically include tools, process equipment, facility piping and supports, and ventilation ducting. Significant volumes of metallic waste are generated under the following conditions: (1) when gloveboxes have reached the end of their useful life, (2) when processes within the facility and glovebox are changed, (3) when routine and non-routine maintenance activities are completed, and (4) as facility construction projects are implemented to meet new programmatic missions.

4.4 Improvement Projects.

Many process improvements have been identified for implementation within TA-55 and in the processing of TRU waste after it is produced. Priorities for new waste minimization projects and activities within TA-55 are detailed in the integrated TRU Waste Minimization Management Plan prepared by NMT Division in FY01. Many of the projects detailed in that plan have been terminated for technical or programmatic reasons.

MTRU waste minimization and avoidance projects are typically funded by the ENV-PP office, GSAF programs, and by operating funds. During FY05, money from the GSAF fund was used to pay for two projects designed to reduce the generation of MTRU waste.

Statistical Analysis of Glovebox Glove Failures. The causes of glove failures inside gloveboxes were compiled, and the resulting data was statistically analyzed. Having a glove fail can cause the generation of MTRU and/or other types of radioactive waste. The improved understanding of glove failures allows the researchers to recognize situations in which gloves might fail and either avoid those situations or change to new gloves before performing those activities so that waste created due to glove failures is minimized.

Bromine Replacement Project. This project evaluated the potential to replace bromine for certain separation procedures involving transuranic metals. Bromine is very corrosive and can cause steel, plastic, and other materials to wear out faster than usual. By eliminating bromine and substituting resin-based separation methods where possible, less MTRU waste is generated.

5.0 Mixed Low-Level Waste

5.1 Introduction

For waste to be considered mixed low-level waste (MLLW), it must contain RCRA materials and meet the definition of radioactive LLW. LLW is defined as waste that is radioactive and is not classified as high-level waste (HLW), 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. Because MLLW contains radioactive components, it is regulated by DOE Order 435.1. Because it contains RCRA waste components, MLLW also is regulated by the State of New Mexico through the Laboratory's operating permit, the FFFCO/STP provided by the NMED, and the EPA. Materials in use that will be RCRA waste upon disposal are defined as hazardous materials.

Most of the Laboratory's routine MLLW results from stockpile stewardship and management and from R&D programs. Most of the non-routine waste is generated by off-normal events such as spills in legacy-contaminated areas. 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 at the Laboratory.

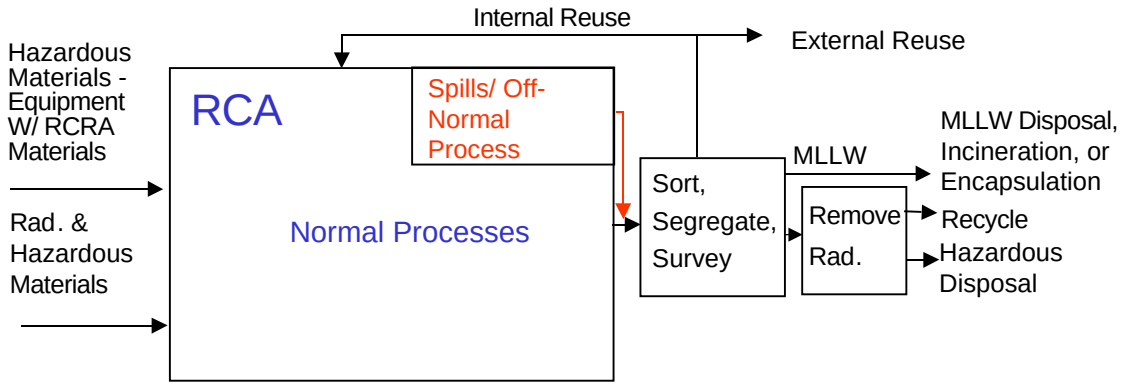

Fig. 5-1. Top-level MLLW process map

Figure 5-2 shows routine and non-routine MLLW generation by division.

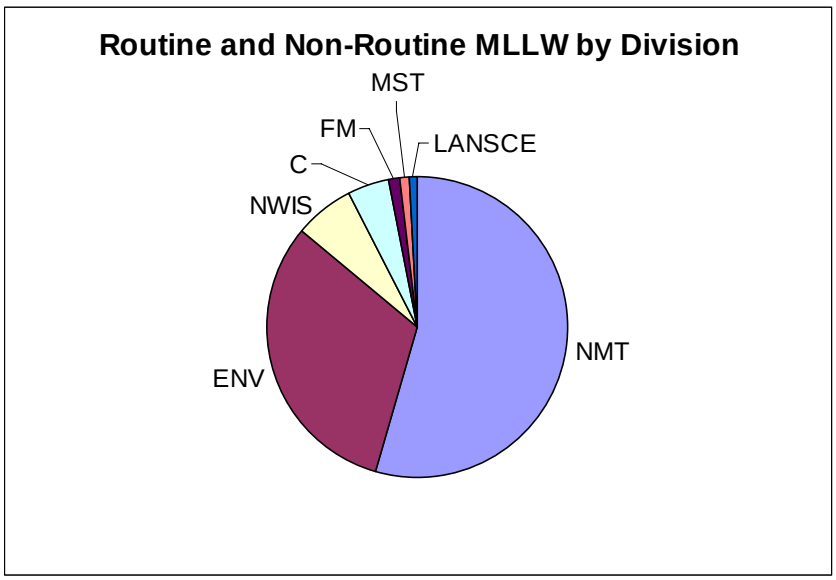

Figure 5-2. **Total MLLW generated by division**

The Divisions that generated the most routine and non-routine MLLW during FY05 were NMT, ENV, NWIS, and C Divisions. The largest component by far of NMT's MLLW was old gloveboxes. NMT also generated smaller amounts of copper solder joints and lead debris. The MLLW generated by ENV was all non-routine waste generated as a result of site remediation efforts. The MLLW generated by NWIS was all non-routine waste that was generated as a result of repackaging efforts. The C Division MLLW was composed of research chemicals and mercury debris.

5.2 MLLW Minimization Performance

The DOE has implemented goals for waste minimization. The DOE-proposed MLLW goal is to reduce MLLW from routine operations by 80% by 2005 using CY93 as the baseline. Because the MLLW generation in the baseline year was a low 12.3 m^3, the proposed DOE FY05 goal for routine MLLW is a very low 2.5 m^3. Routine MLLW generation at the Laboratory for FY05 was 1.89 m^3.

Figure 5-3 shows the Laboratory's progress toward achievement of this 80% routine MLLW reduction goal.

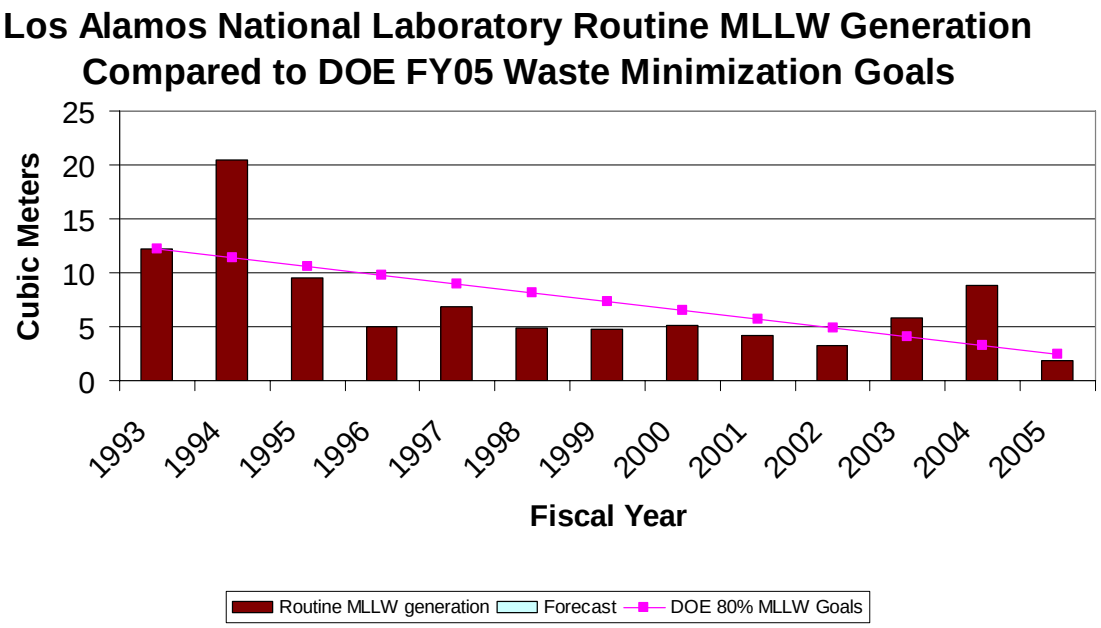

Figure 5-3. Generation of routine MLLW from 1993 to 2005

From 1998-2003, the Laboratory has averaged ~5 m^3 of MLLW generation annually. The spike in MLLW generation of 8.88 m^3 that occurred in FY04 was partially caused by some MLLW that was generated during FY99 and FY00, then placed in the STP, but was not received at TA-54 until FY04. The higher MLLW volume during FY04 does not reflect a sudden increase in MLLW generation at the Laboratory.

5.3 Waste Stream Analysis

Routine MLLW is generated in RCAs. Hazardous materials and equipment containing RCRA materials, as well as MLLW materials, are introduced into the RCA as needed to accomplish specific activities. In the course of operations, hazardous materials become contaminated with LLW or become activated, thus becoming MLLW when the item is designated as waste.

Typically, MLLW is transferred to a satellite storage area after it is generated. Whenever possible, MLLW materials are surveyed to confirm the radiological contamination levels; if decontamination will eliminate either the radiological or the hazardous component, materials are decontaminated and removed from the MLLW category.

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 treatment and disposal facilities. The waste is treated/disposed of by various processes, such as incineration or segregation of hazardous components and macroencapsulation.

In some cases, the Laboratory procures spent MLLW materials from other DOE/commercial sites. For example, in FY01 the Los Alamos Neutron Science Center Experiment (LANSCE) designed several new beam stops and shutters from lead. Rather than fabricating these from uncontaminated lead, LANSCE received these parts at no expense from GTS Duratek, a company that processes contaminated lead from naval nuclear reactor shielding. GTS Duratek fabricates parts at no cost to the Laboratory because the fabrication costs are much less than those of MLLW lead disposal.

The largest components of the routine and non-routine MLLW stream are gloveboxes, restoration waste and environmental media samples, electronics, mercury debris, oil, and lead debris. Lower MLLW generation is anticipated in the future as environmental restorations are completed, as non-toxic materials are substituted for mercury and lead, and as oil-free vacuum pumps replace older pumps.

The relative volumes of various waste streams are shown in Figure 5-4.

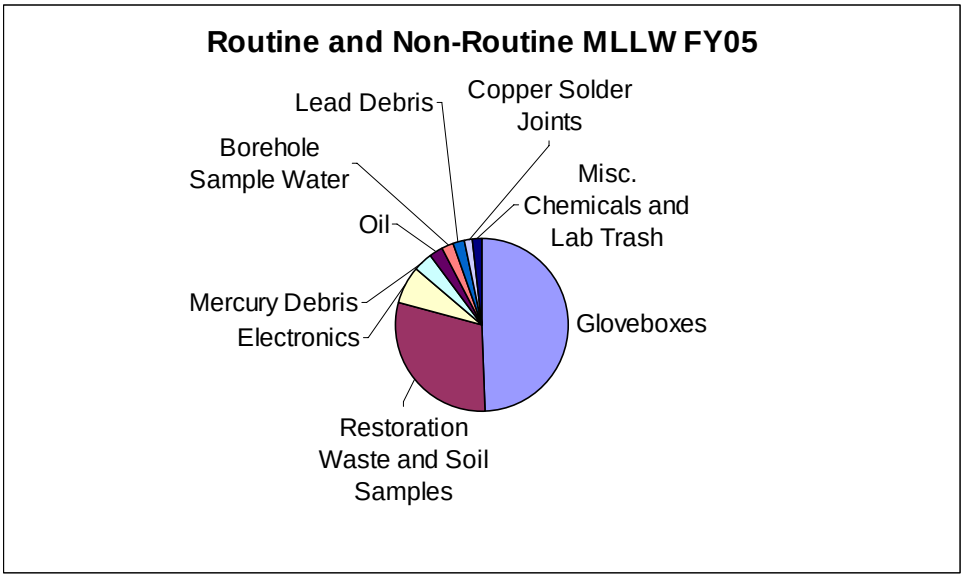

Figure 5-4. **Constituents of MLLW in FY05**

Gloveboxes. When a glovebox reaches the end of its useful life, it is surveyed and classified as the appropriate waste type. By eliminating the use of as many hazardous chemicals as possible, fewer gloveboxes are expected to become MLLW in the future.

Restoration Waste and Soil/Water Samples. This waste is all non-routine MLLW generated as a result of environmental restoration projects. The waste consists of personal protective equipment, soil samples, and water samples.

Electronics. As computers and peripherals become obsolete, they are removed from RCAs and sometimes become MLLW. Since computers are constantly becoming smaller,

less electronic MLLW is expected in the future. Whenever electronics are removed from an RCA, the need for electronics within the RCA is evaluated.

Mercury and Lead Debris. This waste stream consists of lead for shielding, mercury compounds, and assorted equipment contaminated with either mercury or lead.

Used Oil. The oil in the MLLW stream primarily comes from oil changes in vacuum pumps within RCAs. As more oil-free vacuum pumps are installed at the Laboratory, this MLLW stream should diminish.

Copper Solder Joints. This waste consists of the lead solder joints formed during the construction of copper piping systems.

Miscellaneous Chemicals and Lab Trash. This waste is composed of unused/unspent chemicals that have become contaminated in RCAs, analytical chemistry procedures, gloves, and paper towels.

Waste is disposed of either by incineration or by macro-encapsulation and land disposal. Macro-encapsulation involves potting the waste (typically solid parts) in a suitable plastic and creating a barrier around the waste. A small fraction of the MLLW generated has no disposal path. Typically, this waste is mercury or mercury compounds that became contaminated in RCAs.

5.4 Improvement Projects

Efforts to substitute alternatives and to improve sorting and segregation of these waste streams will reduce these volumes in the coming years. The P2 Program has implemented the following improvements:

- Use of lead free solder to minimize the generation of copper solder joint waste
- Substitutes for lead shielding or protective barriers to prevent radiological contamination of the lead
- Oil free vacuum pumps are being installed in RCAs to eliminate the generation of used oil. Use of low mercury bulbs in some RCAs

The Laboratory has proposed MLLW reduction projects that could reduce MLLW generation. These projects include:

- Elimination of RCRA hazardous paint strippers,
- Solidification of MLLW hydraulic oils,
- Improvements in chemical analysis processes
- Elimination of nitric acid bioassay wastes.

The Laboratory will continue to make every effort to reduce the MLLW generation to the lowest possible level consistent with funding and operational constraints.

6.0 Environmental Remediation and Surveillance Waste Minimization Awareness Plan

Introduction

Section 6.0 represents the waste minimization and pollution prevention (WMin/PP) awareness plan for the Laboratory's Environmental Stewardship (ENV) Division Environmental Remediation and Surveillance (ENV-ERS) Program. This plan supports the ENV-ERS Program's WMin/PP goals and describes its program to incorporate waste reduction practices into ENV-ERS activities and procedures. The plan was prepared by the ENV-ERS Program, formerly the Environmental Restoration Project, pursuant to the requirements of Module VIII, Section B.1 of the Laboratory's Hazardous Waste Facility Permit (NM0890010515).

Background

The mission of the Laboratory's ENV-ERS Program 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 the March 1, 2005 Compliance Order on Consent (hereafter, Consent Order) between the NMED, DOE, and UC. In completing this mission, ENV-ERS activities may generate large volumes of waste, some of which may require special handling, treatment, storage, and disposal. Because the ENV-ERS Program is tasked with investigating and, as necessary, conducting corrective actions at historically contaminated sites within the Laboratory, source reduction and material substitution are difficult to implement. The ENV-ERS Program is, therefore, faced with the responsibility and the challenge of minimizing the risk posed by contaminated sites while at the same time 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 on-site or off-site waste treatment, storage, or disposal; and the desire to minimize the associated liability.

Purpose and Scope

The purpose of this plan is to document the ENV-ERS Program's approach for minimizing the wastes it generates. This plan discusses the goals, methods, and activities that will be routinely employed to prevent or reduce waste generation in fiscal year 2006 (FY06), and it reports FY05 waste generation quantities and waste minimization accomplishments for FY05. This plan also discusses the ENV-ERS Deputy Program Director's commitment to WMin/PP, provides a discussion of specific program elements of the ENV-ERS WMin/PP process, and presents the barriers to implementation of further significant reductions.
This plan addresses all Resource Conservation and Recovery Act (RCRA)-regulated waste classifications potentially generated by the ENV-ERS Program during the course of planning and conducting the investigation and remediation of contaminant releases. Wastes generated by ENV-ERS 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 ENV-ERS Program may potentially generate the following RCRA-regulated waste classifications: hazardous waste, low-level mixed waste (LLMW); and mixed transuranic (TRU) radioactive waste.

The scope of WMin/PP efforts for an individual ENV-ERS project will be dependent on the primary and secondary wastes anticipated to be generated and the feasibility of waste reduction for those waste streams.

ENV-ERS Deputy Program Director Policy Statement and Management Commitment

The Laboratory's Deputy Program Director for ENV-ERS and all other personnel supporting the ENV-ERS Program are committed to preventing or reducing the generation of waste from ENV-ERS Program activities, as much as is technically and economically feasible and consistent with the ENV-ERS Program mission and compliance with Consent Order requirements.

The Laboratory's support for pollution prevention and waste minimization programs is documented in the Laboratory waste management requirements. Waste minimization is also included in the ENV Environmental Characterization and Remediation (ENV-ECR) Group standard operating procedures (SOPs) used to implement ENV-ERS Program activities. In addition, the Pollution Prevention (PP) Team within the ENV Solid Waste Regulatory Compliance (ENV-SWRC) Group is tasked by DOE and the Laboratory to champion and implement an aggressive waste minimization program for the entire Laboratory.

The ENV-ERS Program fully supports the Laboratory’s and ENV Division’s written WMin/PP policies, programs, and commitments. The ENV-ERS Program will support the goal of waste reduction by giving preference to source reduction, improved segregation and characterization, and environmentally sound recycling practices regarding waste treatment and disposal techniques, to the degree determined to be economically practicable and consistent with mission and compliance requirements. Evidence of the ENV-ERS Program commitment is demonstrated by this plan, as well as by the documentation of past waste reduction efforts within the ENV-ERS Program. The ENV-ERS Program will allocate sufficient resources to pursue the goals and approaches established by this plan and will coordinate with PP Team as necessary.

Organizational Structure and Staff Responsibilities

The ENV-ERS Program is part of the ENV Division at the Laboratory and is subject to all Laboratory and ENV Division policies and requirements. The program is operating under the organizational structure shown in Figure 6-1.

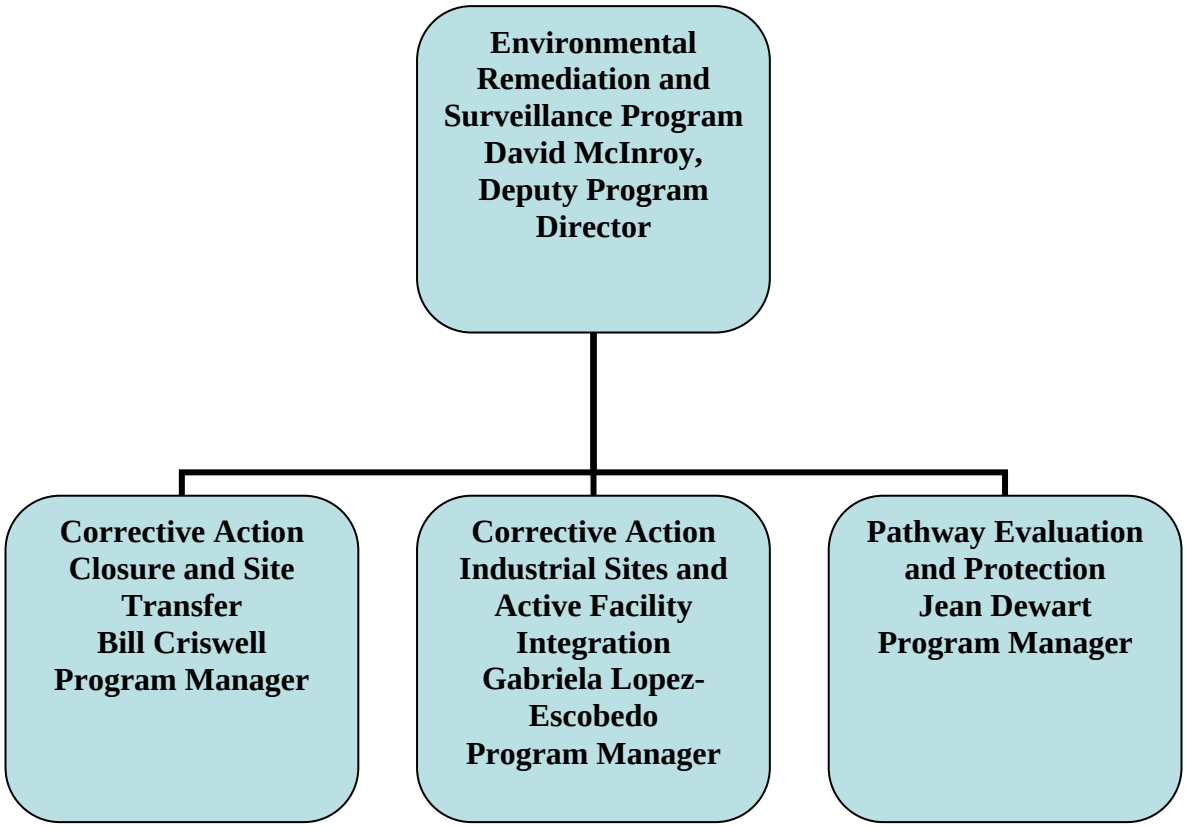

Figure 6-1. ENV-ERS Program Organization Chart

The organizational structure for developing and implementing WMin/PP programs is outlined below:

- The ENV-ERS Deputy Program Manager has primary responsibility for developing and implementing WMin/PP programs and strategies for all ENV-ERS projects that result in waste generation, as described in this plan. The ENV-ERS Program must allocate sufficient resources to attain the goals and approaches identified in this plan. The ENV-ERS Program is responsible for providing program-specific input to the annual WMin/PP plan submitted to the administrative authority, establishing WMin/PP goals and performance measures, and coordinating with the ENV-SWRC PP Team to implement WMin/PP activities and to report success stories.

- The ENV-ERS Program Office is the focal point for planning and implementing waste minimization activities and reporting waste minimization successes and lessons learned for the ENV-ERS Program. ENV-ERS Program Managers, who report to the Deputy Program Director, are responsible for assuring that ENV-ECR project leaders identify and incorporate WMin/PP practices into project plans and field activities, as much as technically and economically feasible.

- Waste management coordinators supporting the ENV-ERS Program are responsible for coordinating waste minimization activities, coordinating

proposals for waste minimization implementation projects, advising ENV-ECR project leaders on WMin/PP technologies and techniques, recommending ENV-ERS Program-wide policy, and compiling waste generation and minimization data.

Goals and Performance Measures

The ENV-ERS FY06 WMin/PP approach will focus on:

- integrating waste minimization principles into the project planning process;
- recycling and reusing materials;
- utilizing material substitution as appropriate;
- developing subcontractor waste minimization incentives through contract specifications;
- dedicating waste minimization resources to assist with large remedial actions; and
- tracking, projecting, and analyzing waste data to improve waste management economies of scale.

Figure 6-2 shows the waste management hierarchy for ENV-ERS Program wastes. Although source reduction is preferred, the ENV-ERS WMin/PP approach recognizes there may be limited opportunity for source reduction of primary wastes because the ENV-ERS Program is tasked to investigate and conduct corrective actions, as necessary, at historically contaminated sites within the Laboratory. Potential environmental concerns may require removal of contaminated material. When appropriate, source reduction of primary wastes will be accomplished through the application of risk-based cleanup criteria and associated land-use scenarios, the consideration of in situ or nonintrusive remediation technologies, and improved characterization and segregation during the execution of field activities. Source reduction of secondary wastes will be accomplished through proper planning; improved housekeeping, segregation, and characterization; and application of WMin/PP criteria during technology selection, design, and construction activities. Recycling and reuse practices will be considered for all primary and secondary wastes. Volume reduction, including size reduction, compaction, and optimal packaging, will be considered for all primary and secondary wastes for which generation cannot be avoided and which cannot be recycled.

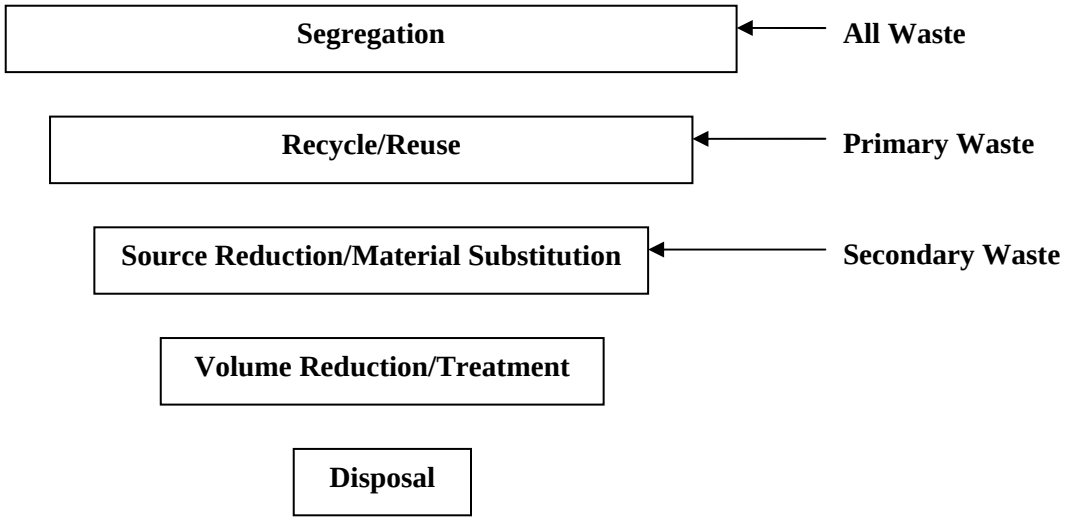

Figure 6-2. Waste management hierarchy within the ENV-ERS Program

The WMin/PP approaches outlined above are consistent with the waste reduction priorities established by the Laboratory's site-wide waste minimization plan, which recognizes the severe limitations of on-site disposal capacity for low-level radioactive waste and on-site storage capacity for LLMW. In addition, the approach was adopted to address the variable and nonrecurring nature of wastes coming from ENV-ERS activities.

Situation Analysis

The majority of FY05 waste generation was the result of investigations and accelerated corrective actions. Investigations and corrective actions implemented by ENV-ERS pursuant to the Consent Order included:

- Subsurface investigations and borehole drilling at Material Disposal Areas (MDAs) U and V in Technical Area (TA)-21, MDA C in TA-50, and MDAs G and L in TA-54.
- Removal of contaminated soil and debris at MDA V in TA-21 and the TA-16-340 Complex.
- Surface and alluvial groundwater investigations in Los Alamos/Pueblo, Mortandad, and Pajarito Canyons.
- Surface and subsurface investigations at Middle Mortandad/Ten Site and DP Site Aggregate Areas and the TA-16-340 Complex.
- Groundwater investigations at SWMU 03-010(a) and the TA-16-260 Outfall.
- Accelerated corrective actions at SWMUs 03-029, 33-013, 61-002 and

AOC 03-001(i).

- Voluntary corrective action at Consolidate Unit 19-001-19.
- SWMU assessment of SWMU 03-013(i).

In addition to Consent Order activities implemented by ENV-ERS, additional activities were conducted directly by DOE, including drilling and construction of intermediate and regional groundwater wells.

These types of activities will continue throughout the life of the Laboratory's ENV-ERS Program. The FY06 planned activities for ENV-ERS pursuant to the Consent Order include:

- Subsurface investigations and borehole drilling at MDAs A, B, T, U, and V in TA-21 and MDA C in TA-50.
- Surface and subsurface investigations at the Bayo Canyon, Pueblo Canyon, Guaje/Barrancas/Rendija Canyons, DP Site, and Middle Los Alamos Canyon Aggregate Areas and the 30's and 90's Lines at TA-16.
- Surface and alluvial groundwater investigations in Guaje, Barrancas, Rendija, Bayo, Pajarito, and Sandia Canyons and Cañada del Buey.
- Remediation of residual radioactive contamination at TA-10.
- Removal of septic tanks, drain lines, and subsurface structures within the DP Site Aggregate Area at TA-21.
- Removal of contaminated soil and debris at MDA V in TA-21.
- Removal of contaminated soil, debris, and waste at MDA B in TA-21.
- Implementation of a soil vapor extraction pilot test at MDA L in TA-54
- Accelerated corrective actions at SWMUs and AOCs impacted by infrastructure projects.

In addition to Consent Order activities implemented by ENV-ERS, additional activities are planned to be conducted directly by DOE, including drilling and construction of intermediate and regional groundwater wells and investigation and corrective actions at SWMUs 73-001(a-d), 73-004(d), and Consolidated Unit 73-002-99.

Applicable Statutory, Regulatory, and Institutional Requirements

The primary regulatory driver for the ENV-ERS Program is the Consent Order, which contains specific requirements for investigating and, as necessary, remediating releases of contaminants at the Laboratory. Specific requirements in the Consent Order include those for management of investigation-derived waste. Other key regulatory drivers for the WMin/PP program are listed below.

Federal Statutes and Executive Orders

- Resource Conservation and Recovery Act
- 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 13148 — Greening the Government Through Leadership in Environmental Management

Federal Regulations

- Code of Federal Regulations, Title 40, Part 262, "Standards Applicable to Generators of Hazardous Waste"
- Code of Federal Regulations, Title 40, Part 264, "Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities"
- Code of Federal Regulations, Title 40, Part 270, "EPA Administered Permit Programs: The Hazardous Waste Permit Program"

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 5400.1, "General Environmental Protection Program"
- DOE Order 5400.3, "Hazardous and Radioactive Mixed Waste Program"
- DOE Order 5400.5, "Radiation Protection of the Public and the Environment"
- DOE Order 435.1, "Radioactive Waste Management"
- Secretary of Energy Notice 37-92, "Waste Minimization Policy Statement"
- DOE Pollution Prevention Program Plan, 1996

Los Alamos National Laboratory Directives and Policies

- Los Alamos National Laboratory, Laboratory Implementation Requirement LIR 404-00-02.3, "General Waste Management Requirements"

- Los Alamos National Laboratory, Laboratory Implementation Requirement LIR 404-00-04.2, "Managing Solid Waste"
- Los Alamos National Laboratory, Laboratory Implementation Requirement LIR 404-00-05.3, "Managing Radioactive Waste"

Justification for the Use of Hazardous Materials

ENV-ERS Program activities currently introduce only small amounts of hazardous materials into field and support operations. During the past years, most use of hazardous materials has been substituted with nonhazardous alternatives in an effort to reduce the generation of secondary hazardous or mixed waste. These efforts include the following:

- Decontamination Solvents — The use of hazardous solvents has been eliminated in the ENV-ERS Program.
- Scintillation Cocktails — The routine use of scintillation cocktail media that results in a mixed waste has been discontinued at the Laboratory.
- Analytical Processes — Some samples collected for site characterization may require the use of hazardous chemicals evaluated by EPA, private companies, and universities for potential alternative processes and material substitution. The use of hazardous chemicals for sample preservation is currently viewed as necessary. In addition, hazardous chemicals are used in some field screening tests.

FY05 Waste Generation Summary

The ENV-ERS Program FY05 waste generation and waste minimization summary is listed in Table 6-1. Waste projections for FY06 are listed in Table 6-2.

Waste Type	Volume, m^3
Solid Hazardous	0.16
Solid MLLW	7.6
Solid Mixed TRU	0.0

Table 6-1. Fiscal Year 2005 Waste Generation Summary

Waste Type	Volume, m^3
Solid Hazardous	2970
Solid MLLW	195
Solid Mixed TRU	0

Table 6-2. Fiscal Year 2006 Estimated Waste Generation Summary

The large anticipated increase in waste generation from FY05 to FY06 reflects the change in project scope for ENV-ERS. Projects implemented during FY05 were primarily focused on investigation activities, which generate lower volumes of waste. Project activities in FY06 are expected to include more cleanup, including removal of contaminated soil, debris, and wastes.

Waste Minimization Accomplishments during FY05

WMin/PP was an integral part of the FY05 ENV-ERS 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 WMin/PP activity) are often not available and are not easily extrapolated. In addition, many waste minimization practices employed during previous years are incorporated into standard operating procedures and no longer reported.

Activities in FY05 were primarily related to investigations and did not result in high-volume waste streams, such as contaminated soil and demolition debris, including metal and concrete. The WMin/PP techniques used in FY05 to reduce these investigation-related waste streams led to the following accomplishments:

- Dry decontamination techniques were used almost exclusively during field investigations, thereby eliminating generation of liquid decontamination wastes.
- Accelerated corrective actions being implemented at sites in operational areas within LANL used cleanup levels based on industrial land use scenarios. This approach reduced the amount of soil and debris requiring excavation, while still being protective of human health and the environment.
- Waste segregation techniques were employed to minimize the generation of low-level radioactive waste generated during the investigations conducted at Material Disposal Area (MDA) G at TA-54. As a result, it was possible to manage spent personnel protective equipment and other wastes as nonradioactive solid waste rather than low-level radioactive waste.

The ENV-ERS Program also evaluated the potential to incorporate WMin/PP practices into future activities.

- Corrective measures to be implemented at TA-54, Area G may require large volumes of fill material for final grading of the site. ENV-ERS is presently evaluating potential sources of recycled material that could be used for fill. For example, ENV-ERS completed a feasibility study for reusing approximately 30,000 cubic yards of material from the Pajarito Flood Retention Structure for structural fill. A similar evaluation is planned for material to be excavated during construction of the Chemical and Metallurgical Research Replacement Facility.
- ENV-ERS is planning to conduct a pilot test of soil vapor extraction at MDA L. This technology involves extraction of volatile organic compounds (VOCs) from the subsurface, followed by destruction of the VOCs by catalytic oxidation. If feasible, this technology would reduce the risk associated with buried wastes at MDA L while generating minimal primary and secondary

wastes.

Waste Minimization Program Elements

Listed below are the Laboratory's ENV-ERS Program waste minimization program elements for FY06. The elements will be implemented if economically and technically feasible.

Waste Management Coordinators

The waste management coordinators supporting ENV-ERS will have a primary role in FY06 for developing and implementing programmatic elements of the ENV-ERS WMin/PP Program by conducting the following activities:

- Improve WMin/PP awareness and information exchange within the ENV-ERS Program.
- Provide technical reviews and WMin/PP input for ENV-ERS documents and procedures, such as corrective measures studies, sampling and analysis plans, or other project work plans and provide working examples of "model" documents that incorporate WMin/PP elements.
- Provide technical assistance and consistency among ENV-ERS projects to formalize standard approaches for WMin/PP in ENV-ERS plans and procedures and institutionalize the use of design reviews, WMin/PP checklists, or value engineering for WMin/PP applications.
- Assist in developing WMin/PP language for ENV-ERS subcontractor documents and project specifications, thus providing incentives and measurable goals for waste reduction.
- The waste management coordinator(s) will provide WMin/PP tools and practices to the ENV-ERS Program. The specific application and waste reduction potential of a tool will be dependent on the specific project and will be left to the judgment of the individual project leaders. The common WMin/PP tools for use in the ENV-ERS Program are summarized in the list that follows.

WMin/PP tools for the planning phase

- Write WMin/PP into ENV-ERS Program documents
- Include WMin/PP in budgets and contracts
- Integrate WMin/PP into construction of engineered structures and best management practices
- Train ENV-ERS personnel on WMin/PP and build WMin/PP awareness

WMin/PP tools for the assessment phase

- Conduct efficient sample management and analysis

- Consider alternative sampling techniques
- Consider alternative drilling techniques
- Segregate materials and waste through field screening
- Use site control techniques
- Use bulk waste packaging
- Train ENV-ERS personnel on WMin/PP and build WMin/PP awareness

WMin/PP tools for the alternative evaluation and selection phase

- Identify WMin/PP as a key criterion during treatment selection
- Incorporate WMin/PP in key decision-making documents
- Conduct treatability studies that support WMin/PP
- Train RRES-RS personnel on WMin/PP and build WMin/PP awareness

WMin/PP tools for the implementation phase

- Scour and decontaminate building materials
- Recycle and reuse materials from decommissioning activities
- Prevent contamination migration
- Dedicate a person on each ENV-ERS project to promote WMin/PP
- Reuse equipment
- Train ENV-ERS personnel on WMin/PP and build WMin/PP awareness

WMin Planning

WMin/PP is best integrated during the project planning (including design and engineering) phase. WMin/PP strategies incorporated during the planning phase are some of the few opportunities for "source reduction" because they have the potential to avoid or reduce the generation of contaminated soil and building debris, which represent a significant waste volume within the ENV-ERS Program. Well-defined agreements (with regulators and stakeholders) regarding land-use scenarios, cleanup performance standards, and risk and pathway scenarios are highly effective in avoiding or reducing these primary wastes (e.g., soil, building debris) and secondary wastes.

The Permits and Requirements Identification (PR-ID) process provides a tool in the planning and design phase to assist Laboratory personnel in identifying and managing environment, safety, and health Laboratory implementation requirements having the potential to impact a project. This process incorporates evaluation of potential waste

generating activities before project startup and includes review by a waste minimization/pollution prevention subject-matter expert.

The ENV-ECR waste management standard operating procedures (ER-SOP-01.06, "Management of ER Project Waste" and ER-SOP-01.10, "Waste Characterization") also afford an opportunity to incorporate WMin/PP into project planning. In accordance with these procedures, a strategy for characterizing and managing each waste stream that will be generated during an ENV-ERS project must be developed and approved by the waste management coordinator before the waste stream can be generated. During the strategy review and approval process, the waste management coordinator can identify WMin/PP practices and incorporate these into the strategy. During FY06, SOP-01.06 will be revised to include formal review and documentation of WMin/PP as part of the WCSF review and approval. This will help assure that WMin/PP opportunities for each ENV-ERS waste stream are evaluated prior to generating wastes.

Employee Training and Awareness

Waste minimization implementation is most effective when all employees consider WMin/PP part of their job responsibilities. To accomplish this, a planned approach to building waste minimization awareness has been developed. The goals of the awareness program are to:

- Improve recognition among employees that WMin/PP practices apply to ENV-ERS activities;
- Educate employees about successful implementation at the Laboratory and within DOE; and
- Improve documentation of WMin/PP accomplishments.

WMin/PP is also an integral part of the environmental management system (EMS) being implemented at the Laboratory. All staff working on the ENV-ERS Program have received EMS awareness training and may receive additional EMS training as the system continues to be implemented.

All waste management coordinators supporting the ENV-ERS Program are required to attend quarterly meetings as ongoing training in issues important to performing the duties of a waste management coordinator, including periodic updates from the ENV-SWRC PP Team.

Laboratory managers are required to attend integrated safety management training, which addresses management of all environment, safety, and health issues, including waste minimization and pollution prevention awareness.

Information and Technology Introduction

The introduction of new technologies for WMin/PP and waste management approaches is important to minimizing wastes. To support technology exchange, the waste management coordinator is available to research technologies or WMin/PP tools for ENV-ERS project

leaders, as necessary to obtain information on technical or economic feasibility. Some sources for documents include:

DOE, Remedial Action Project Information Center, Oak Ridge, Tennessee
DOE, EPIC (the DOE Pollution Prevention Information Clearinghouse), Pacific Northwest National Laboratory, Richland, Washington
EPA, Superfund Innovative Technology Evaluation (SITE) Database
DOE, Technology Information Exchanges Conferences and Abstract Summaries
EPA, National Center for Environmental Publications Web Site
DOE, Environmental Web Site
University of Texas El Paso, Southwest Pollution Prevention Center Web Site
US Navy, Joint Service Pollution Prevention Technical Library Web Site
State of Kentucky, Kentucky Pollution Prevention Center Web Site
DOE Oak Ridge National Laboratory, ORNL Pollution Prevention Web Site

Tracking and Reporting

The Consent Order requires that waste management documentation be submitted with all investigation and corrective action reports submitted by the Laboratory. This documentation includes the types, volumes, and disposition of wastes generated by individual ENV-ERS projects.

Sort, Decontaminate, and Segregate

This task is currently implemented and is designed to sort and decontaminate recyclable/recoverable radioactive LLW materials from decommissioning operations for the purpose of eliminating their disposal at TA-54 as radioactive LLW. Typical sorting practices include collection of all metal debris (including steel, lead, etc.) in separate boxes destined for shipment to a decontamination facility or commercial smelter for metals recovery. Decontamination work will involve the removal of surface radioactive contamination on equipment to allow for its reuse either at Los Alamos or other DOE facilities.

Additionally, many sites containing radioactively contaminated heterogeneous materials will place emphasis on proper segregation at the source to attain the maximum recycling and waste classification advantages.

Compaction

The ENV-ERS Program plans to improve this process by using the compaction unit at TA-54 on suitable waste before final disposal. The compactor at TA-54 has a higher compaction yield than past equipment.

Survey and Release

Past practices have conservatively classified nonindigenous investigation-derived waste (e.g. personal protective equipment, sampling materials) as contaminated, based on association with contaminated areas. New policy within the Laboratory allows the ENV-ERS Program to develop procedures to survey and release these materials as nonradioactive. This will reduce the volume of radioactive LLW disposed of at Area G

from RRES-RS activities. Waste management coordinators will be trained in the Laboratory occupational radiation protection requirements.

Risk Assessment

Risk assessments are routinely conducted for ENV-ERS Program 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.

Incentives

The ENV-ERS Program participates in the Laboratory-wide “Waste Minimization/Waste Generation Set aside Tax” system. This system charges waste generators according to the volumes and toxicity of wastes generated. This financial burden is an incentive for waste generators to reduce waste generation to lower total project costs. The ENV-ERS Program has previously submitted Return on Investigation proposals for WMin/PP projects that are eligible for funding through this tax.

Lead-Handling Procedures

The ENV-ERS Program does not routinely procure or use lead or handle excess lead. The inventory and decontamination of existing lead at the Laboratory has been conducted as part of a milestone of the Laboratory's Federal Facilities Compliance Act agreement and is outside the scope of the ENV-ERS Program.

ENV-ERS personnel will manage and minimize the amount of lead-contaminated waste using the following approaches.

- Projects will specify a preference to avoid the procurement or use of lead, when possible, giving preference to the use of steel in place of lead.
- Projects will specify the use of strippable or washable coatings for any lead materials that must be used and have the potential to become contaminated.
- Projects will plan for the decontamination of lead materials, when economically feasible, using blast grit, carbon dioxide blast (or other nondestructive blast), or chemical decontamination techniques. Preference will be given to decontamination techniques that minimize the generation of secondary waste (from the treatment process).
- Projects that handle no contaminated lead waste as a primary waste from the removal action or decommissioning activity will make efforts to recover and redistribute the lead for use at the Laboratory or at another DOE facility.

- Projects will coordinate with the Laboratory's Solid Waste Operations Group for the appropriate handling and disposition of radioactively contaminated lead that cannot be decontaminated or redistributed.

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 will produce waste reduction and cost savings in FY05. When reusable equipment is decontaminated, it is standard ENV-ERS practice to use dry decontamination techniques to minimize the generation of liquid decontamination wastes. In addition, the Laboratory has initiated an equipment-exchange program, which identifies surplus or inactive equipment available for use. This not only eliminates the cost of purchasing the equipment, but it also delays the point at which the equipment is no longer needed and must be disposed.

Barriers to Waste Minimization Implementation

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. Previous practices by ENV-ERS included returning borehole cuttings to the borehole if this would not increase the potential for contaminant migration. This practice is not allowed under investigation work plans approved pursuant to the Consent Order and cuttings are now containerized and disposed of.

- The use of risk assessments to establish risk-based cleanup levels is one of the few opportunities available to the ENV-ERS Program 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, of 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.

- Wastes generated by ENV-ERS projects may contain low, but detectable, concentrations of constituents from RCRA listed hazardous wastes. The presence of these constituents would cause the waste to be regulated as a hazardous waste. The NMED may determine that such wastes “no longer contain” listed hazardous waste and need not be regulated as hazardous waste if the concentrations of listed waste constituents are below risk-based levels. The ENV-ERS Program has previously requested and received these “no-longer-contained-in” determinations to reduce to volumes of hazardous and MLLW wastes generated by investigations and cleanups. Recently, ENV-ERS has not been able to obtain “no longer contained in”

determinations for waste streams containing trace levels of listed solvents at concentrations below human-health risk levels. As a result, these wastes had to be managed as MLLW, increasing the amount of MLLW generated by ENV-ERS.

- The single largest potential source of waste generated by ENV-ERS is removal of buried waste or contaminated soil during implementation of corrective measures. Such actions have the potential to generate tens to hundreds of thousands of cubic meters of waste. In evaluating corrective measure alternatives, ENV-ERS would generally give preference to alternatives that would avoid generating large volumes of waste, provided they are protective of human health and the environment. The final decision on which corrective measure to implement at a site, however, will be made by NMED, subject to review and comment by the public. Thus, the ENV-ERS Program has little control over the amount of waste to be generated during implementation of corrective actions.

REFERENCES

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[i] Pollution Prevention Act of 1990 (Omnibus Budget Reconciliation Act of 1990), 42 U.S.C. 13101, et seq., available at http://www.cornell.edu/uscode.

[ii] May 1993 US Environmental Protection Agency (EPA) interim final guidance, 58 F.R. 10, "Guidance to Hazardous Waste Generators on the Elements of a Waste Minimization Program."

[iii] DOE (US Department of Energy), May 1996. "Pollution Prevention Program Plan 1996," US Department of Energy Office of the Secretary, DOE/S-0118, Washington D.C., available at http://tis.eh.doe.gov/p2/p2integratedhomepage/p2plan.asp.