Los Alamos

NATIONAL LABORATORY

Environmental Management
EM, J595
Los Alamos, New Mexico 87545
(505) 665-6158
FAX (505) 665-8347

Date: May 28, 1997

Refer to: EM-SWO:97-124

Hand Delivered 6/11/97 by LANL

Had a meeting w/ LANL on 6/11/97 [illegible]

Meet to meet on 6/16/97 [illegible]

Dear.

Benito J. Garcia, Bureau Chief
HRMB Bureau
New Mexico Environment Department
2044 Galisteo St., Bldg. A
P.O. Box 26110
Santa Fe, New Mexico 87505

RE: MANAGEMENT AND DISPOSAL OF ASPHALT MATERIALS AT TECHNICAL AREA 54

Dear Mr. Garcia:

The purpose of this letter is to notify you concerning the management and disposal of certain asphalt materials from Technical Area (TA) 54. This asphalt material was discussed in NMED's letter to Joseph C. Vozella, dated July 22, 1994 (enclosed as Attachment 1), addressing mixed waste storage dome construction at TA 54, Area L. In that letter, approval for commencement of construction activities was granted, subject to six identified conditions, one of which involved the management of asphalt materials.

Condition #4 provided that "Because the asphalt pad [located where the storage dome was to be constructed] has been contaminated with Volatile Organic Compounds (VOC's) from the underlying SWMU, all waste asphalt removed from the existing pad must be treated and/or disposed of as a hazardous waste." Subsequent to receipt of the above described letter, our staff members discussed this condition with members of your staff in a meeting on compliance issues. In this meeting our staff members were told that as long as the asphalt material removed during construction was used as fill in the immediate area of the construction site, no regulatory compliance issues would be triggered. Such movement and use of the asphalt material, it was indicated, would not constitute "placement" of the material and no act of waste generation would occur.

Although a discussion occurred during this meeting in which DOE/UC disagreed that the VOC's from a vapor plume originating in a SWMU create a solid (and potentially a hazardous) waste, we did not pursue this argument at the time because it was planned that all asphalt material would be put back into the area from which it was taken. As the "Asphalt Management and Disposition" section of this letter reveals, facts have recently come to light indicating that a portion of the asphalt was not put back in the immediate area of the construction site. In light of this, we felt it important to report to you on the ultimate disposition of the material. As part of this reporting we are also including our reasons for

16706

viewing the asphalt material as nonhazardous and not subject to management as a hazardous waste (see "Regulatory Position" section below).

ASPHALT MANAGEMENT AND DISPOSITION

It goes without saying that we are not happy about the events surrounding the management and final disposition of a portion of the asphalt materials removed from the Area L dome construction site. It appears that two Laboratory organizations - one group responsible for operating Area L, and a second group responsible for operating Area G - were ineffective in communicating with each other about the need to keep the asphalt waste within the immediate area of the construction site in Area L. As a result, materials were taken from the original asphalt pile without awareness of its special status. Recently these two groups have been reorganized into a single management unit (EM-SWO) and it was only when staff from the two former groups began discussing the origin of the currently existing pile that concerns were raised about the implications of Condition #4 on the past management of the material. With a new single management structure in place, it is believed that such communication gaps will not occur in the future.

In May and June of 1995, the old asphalt pad in Area L was broken up to prepare the site for a new pad. (It is this material that we understand was intended by NMED to be subject to Condition #4). Much of the broken up asphalt and soil was reused as backfill to attain the required grade for the new pad. Backfill and compaction for the new pad was completed in the first week of July, 1995. On June 15, 1995, approximately 30 cubic yards of this broken up asphalt and backfill material were deemed "excess" and were transported to Area G in TA-54 for use in constructing the pad for the waste compactor building in that Area. Soil/asphalt materials from other Area G sources were added to this initial pile, such that it reached a volume of approximately 300 cubic yards.

During the construction of the compactor pad in Area G, the 300 cubic yard pile was moved by bulldozer approximately 80 feet to the east, where it remained undisturbed until April, 1996. During the second week of that month, approximately 60 cubic yards were taken from this pile to a rubble pile (used for fill material) at the head of Sandia Canyon in the Los Alamos County Landfill. This activity of adding fill material to the rubble pile is covered under a Dredge and Fill Permit pursuant to section 404 of the Clean Water Act. In the third week of April, 1996, approximately 225 cubic yards were taken from this pile and disposed of in Pit 37 at Area G. Since these disposal events, the pile has remained at Area G, and on one occasion approximately 30 cubic yards of soil were added to the pile. This pile continues to remain at Area G, and, once its "special" status was understood based on communications between staff members of the formerly separate groups, the pile was roped off with instructions not to disturb until we brought this matter to your attention and resolved the issue of its disposition.

REGULATORY POSITION

As noted above, Condition #4 of the July 22, 1994, letter assumed that the asphalt, due to the presence of hazardous constituents, appeared to meet the definition of hazardous waste. We believe that such an assumption was incorrect, based on the fact that the material constituted

neither a listed waste nor a characteristic waste as provided for in 20 NMAC 4.1.200, 40 C.F.R. §261 Subpart D and Subpart C.

As to the listed waste consideration, use of the mixture rule, 20 NMAC 4.1.200, 40 C.F.R. §261.3(a)(2)(iv), would be necessary for characterizing the asphalt material as a listed waste. This regulation states that the mixture of a solid waste and a waste listed in 20 NMAC 4.1.200, 40 C.F.R. 261 Subpart D, is a hazardous waste. The contamination of the asphalt material is a result of vapor transport of the solvent from the underlying solid waste management units. In order for the asphalt to be characterized as a hazardous waste through contamination by the solvent vapor, that vapor must be a hazardous waste or cause the asphalt to exceed the TCLP toxicity limits. However, the vapor must, by definition, meet the precondition of being identifiable as a solid waste to be a hazardous waste. The solvent vapor phase contaminating the asphalt does not fit the definition of solid waste as provided for in the New Mexico Hazardous Waste Act, $74-4-3.M and therefore cannot be a hazardous waste. That definition states that the term "solid waste" includes solid, liquid, semisolid and contained gaseous material. The vapor plume is not included in the statutory definition of a solid waste because it is not contained. Therefore, we believe the vapor is neither a solid waste nor a hazardous waste and when in contact with the asphalt material would not cause that asphalt material to be characterized as a hazardous waste .

As to the characteristic waste consideration, the asphalt material could be characterized as a hazardous waste if the mixture met the toxicity characteristic for hazardous waste as set forth at 20 NMAC 4.1.200, 40 C.F.R. $261.24. It does not. None of the samples taken indicated that the asphalt exceeded the maximum toxicity characteristic concentration for trichloroethylene or tetrachloroethylene, the relevant solvents determined to be present by analysis. Total concentrations of these solvents in the asphalt ranged from 0.01 to 0.38 mg/kg for trichloroethylene and 0.22 to 2.43 mg/kg for tetrachloroethylene. The maximum potential concentrations of these solvents in the test method extract are 0.02 mg/L trichloroethylene and 0.12 mg/L tetrachloroethylene, both well below their respective regulatory levels of 0.50 mg/L and 0.70mg/L.

We find the above analysis and interpretation of the applicability of the hazardous waste regulations convincing. However, if you have concerns about the potential environmental impacts of the disposition of the asphalt materials, we would call your attention to the truly de minimis levels of hazardous constituents present in the asphalt. Such de minimis levels have been recognized by EPA as special candidates for less stringent environmental controls, based on the perception that the mixture rule can carry with it overly harsh and unjustifiable results, particularly in the context of debris contaminated with minute levels of listed wastes. While we believe that the mixture rule is not applicable in the present case as stated above, we would also note that the EPA's "contained-in policy" for contaminated debris recognizes that debris can contain de minimis levels of hazardous constituents from a listed waste and not be regulated as a listed waste as decided on a case-by-case basis by an authorized State (57 Federal Register (FR) 986, 58 FR 48123).

Accordingly, apart from the issue of the applicability of the mixture rule, the NMED as an authorized State entity can make the determination under federal policy guidance that such

de minimis levels do not require regulation as a hazardous waste. The level of constituents in the asphalt material are lower than the levels in the proposed Hazardous Waste Identification Rule (57 FR 21450), LANL's investigation screening levels for corrective actions, and maximum allowed concentrations established for Superfund remedial responses. Because the constituent levels in the asphalt material are below these regulatory action limits, LANL believes that there should be no concern associated with the determination that this material does not contain a hazardous waste.

Finally, the asphalt/soil material that has been disposed of does not, in our estimate, represent a significant increased hazard to the public or the environment. The asphalt material was in contact with a solvent vapor release from the existing SWMUs but at levels that do not meet the criteria for description as a characteristic hazardous waste. By being buried in the LANL disposal pit (Pit 37) and placed in the rubble pile at the LA County landfill and by being utilized as fill for the construction project at Area L, the asphalt/soil material did not and does not contribute to an increase in mortality or illness, or pose a substantial hazard to human health or the environment.

CONCLUSION

We recognize that we have a problem at times with communication within the Laboratory and are taking steps to try to alleviate this in the future. We regret the series of actions that were inconsistent with the specified condition in the July 22, 1994 letter. For that we apologize. In reviewing this matter, we ask that you take into account the fact that no environmental harm or threat of harm appear to have resulted from those actions. We would like to have the opportunity to discuss with you the disposition of the remainder of the asphalt/soil material that is currently roped off and being kept pending your receipt and response to this letter. If you have any questions about this matter, please do not hesitate to contact Jim White at 667-3766.

Sincerely,

James L. White
ESH-19 Group Leader

Anthony R. Stanford
EM-SWO Group Leader

Enclosure a/s

Cy: Stu Dinwiddie (w/encl), Hazardous & Radioactive Materials Bureau
Marcy Leavitt, (w/encl), Ground Water Quality Bureau
Glenn Saums, (w/encl), Surface Water Quality Bureau
John Tymkowych (w/encl), Hazardous & Radioactive Materials Bureau

WASTE DATA FORM

COPY

Container # : C94043965	WMC : PREWETT KERRY
	Z # : 099185
WDR # : 1007119	Phone : 57020
	TA : 54
DIS/TRE # : 94294	Building : 70
	Room : OUTSIDE

NON RCRA STORAGE ONLY

WASTE GENERATED OR ACCUMULATED IN A RADIOACTIVE MATERIALS MANAGEMENT AREA: NO

Shipping Name : HAZARDOUS WASTE, SOLID, N.O.S. (1,1,1-TRICHLOROETHANE)

Hazard Class : 9 DOT ID# : NA3077 Packing Group : III

Secondary Label :

Technical Name :

Additional Desc :

ERG# : 31

Haz Substance : LSA/SCO Group :

Waste Code : C0 - CHEMICAL WASTE	Other Con # :
Storage Code : UNSTOR	Container Type : OT Volume : 21M
RGN # : 17	Container Gross Wgt: Net Wgt : 33126p
Treat/Disp Loc : DP	Reviewed By : 095169
Transported By : CET	Data Entry By : 107695
	DOT Check By :
Other Document : 00395496	
AreaG/J Loc :	Picked Up By/Date&Time: 112056 / 30-AUG-94 00:00
	Load Check By/Date :
Treat/Disp By: RES	Pickup Update Check By :
Treat/Disp Date: 30-AUG-94	
	Off-Site Check By/Date :
TSDF Date : 02-SEP-94	
Destruction # :	Update By/Date : 107695 / 13-SEP-94
Destruction Date :	Final Update Check By :

Item 45086 : ASPHALT & SOIL FROM AREA L ELECTRIC UPGRADE

Generator : GONZALES JOSEPH A Group : CST7 Phone : 77579

WPN : 9334 Phy_state: S Volume : 21 M Weight : 33120 P

EPA Code : F002 1,1,1-TRICHLOROETHANE

COPIES OF OFF-SITE PAPERWORK FOR LANL

DATE: 8-30-91

CHECK OFF OR N/A

MANIFESTS ✓ ✓
MANIFEST ASSIGNMENT ✓ ✓
LDR FORMS ✓ ✓
~~DATA FORMS~~
CYLINDER SURVEY SHEETS N/A
CYLINDER CONTROL SHEET N/A
RAD. CERT. ✓ ✓
TRACKING DOC. ✓ ✓
PCB CONTINUATION SHEET N/A

CHECK OFF WHEN COPIES ARE DONE.
WRITE N/A WHEN COPIES ARE NOT NEEDED.(e.g. PCB CONTINUATION SHEETS ON A NON-PCB LOAD)

SIGNATURE Cory Campbell
Am Bar Board

TEXAS WATER COMMISSION
P.O. Box 13087, Capitol Station
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039. expires 09/

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NM0890010515 Manifest Document No. 94294

2. Page 1 of 1

Information in the shaded are is not required by Federal la

3. Generator's Name and Mailing Address
In Emergency see box # 15
LOS ALAMOS NATIONAL LABORATORY
P.O. BOX 1663 MS J593
LOS ALAMOS, NM 87545-

4. Generator's Phone ((505)667-7579 ATTN: DAN OAKLEY

A. State Manifest Document Number 00395496

B. State Generator's ID 99935

5. Transporter 1 Company Name
CUSTOM ENVIRONMENTAL TRANSPORT

6. US EPA ID Number DED980918858

C. State Transporter's ID 40756

D. Transporter's Phone (713)930-450

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
ROLLINS ENVIRONMENTAL SERVICES (TX), INC.
2027 BATTLEGROUND ROAD
DEER PARK, TX 77536

10. US EPA ID Number TXD055141378

G. State Facility's ID HW-50089-001

H. Facility's Phone (713)930-2300

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	a. Hazardous waste, solid, n.o.s., (1,1,1-trichloroethane), 9, NA3077, PG III	001	CM	33120 ~~28000~~	P	D035
	b.			8 DRUMS		
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
11a) HO79283-22, F002, ROLL-OFF BINS WITH ASPHALT AND SOIL
11b)
11c)
11d)

K. Handling Codes for Wastes Listed Above
M043

15. Special Handling Instructions and Additional Information Use protective gear when handling waste. Avoid inhalation, ingestion, and skin contact. In emergency call Chemtrec at 1-800-424-9300, mention 'Labpack'. If undeliverable return to generator. B.O.L.# D.O.T. Emergency Response #'s 11a. 31
LANL EMERGENCY # 505-667-6211

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Dan Oakley
Signature: Dan Oakley
Month Day Year: 8 30 94

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: L. Jones
Signature: L. Jones
Date: Month Day Year: 08 30 94

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year:

FACILITY

19. Discrepancy Indication Space
RECEIVED SEP 13 1994

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
RES (TX) INC.
Printed/Typed Name: Paul Mu
Signature:
Date: Month Day Year: 9 10 94

TWC-0311 (Rev. 01/21/93) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

ROLLINS ENVIRONMENTAL SERVICES

22 LAND DISPOSAL RESTRICTION (LI NON-WASTEWATER NOTIFICATIO

Section A, B, C, & D Completed by Generator (Instructions on Page 2)

SECTION A. GENERATOR NOTIFICATION

1. GENERATOR: Los Alamos National Laboratory 2. EPA I.D. NO.: NM0890010515

3. MANIFEST NO.: 003954496 4. STREAM NO.: H279283-22

5. PURSUANT TO 40 CFR §268.7, I am notifying (Check One):

☐ RES (NJ) ☐ RES (LA) ☒ RES (TX) ☐ RES of LA ☐ OPC ☐ TET

that under the above RES Waste Stream number, I am shipping to you one of the following types of waste.

(Check either (a) or (b) only):

a. ☒ A *non-wastewater* (other than contaminated debris) identified by the EPA waste code(s) and subcategory(ies) tha have checked in Section D. of this form. Submit Attachment 1 for F001-F005, F039, and California List wastes only

b. ☐ A *hazardous debris* waste identified by the EPA waste code(s) and subcategory(ies) that I have checked in Section D. this form. Submit Attachment 1 for F001-F005, F039, and California List wastes only.

PLEASE NOTE: Hazardous debris is solid material exceeding 60 mm particle size and which contains on its surface or its pores a waste subject to the Land Disposal Restriction. (Regulatory Reference 40 CFR §268.2 [g] and [h]). T requirement for treatment of hazardous debris pursuant to 40 CFR §268.45 becomes effective May 8, 1993.

SECTION B. CALIFORNIA LIST APPLICABILITY FOR EPA HAZARDOUS WASTES

Check one or more box(es) below, if applicable (DOES NOT apply to *newly listed* wastes).

1. ☐ A D001-D011 liquid[1] or non-liquid waste containing halogenated organic compounds (HOCs) ≥ 1000 ppm as specified 40 CFR §268, Appendix III.

2. ☐ A liquid[1] hazardous waste containing polychlorinated biphenyls (PCBs)[2] ≥ 50 ppm.

3. ☐ A D001-D017 liquid[1] waste containing ≥ 134 mg/l of nickel and/or ≥ 130 mg/l of thallium.

4. ☐ A liquid[1] or non-liquid hazardous waste subject to a National Capacity Variance which meets the definition of a Califor List Waste (Refer to Attachment 1 [page 2] for the California List definition).

[1] To determine whether a waste is liquid or contains *free liquid*, use the Paint Filter Test (EPA SW-846, Method 9095).
[2] Incineration in a TSCA permitted incinerator [RES (TX) only].

SECTION C. GENERATOR CERTIFICATION (Authorized Representative)

I hereby certify and warrant that all the information supplied on this form and all associated documents represents complete and accurate identification of this waste material.

1. Print or Type Name: Dan Oakley 2. Date: 8/30/94

3. Signature: Dan Oakley 4. Title: TRU Sys Mgr

PLEASE NOTE: If your waste already meets relevant treatment standards or your waste is a wastewater or a Appendix IV or Appendix V Lab Pack, please contact your Rollins Sales/Customer Service office for the additional alternate certification form. For your convenience regional office addresses and phone numbers are listed on th back of Attachment 1.

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SECTION D: WASTE TREATMENT STANDARD TABLES
NON-WASTEWATER

INSTRUCTIONS

1. After completion of Sections A, B, and C on page 1, check *ALL* EPA waste codes applicable to this waste in Section D provided for you on pages 2, 3, and 4. For any waste codes not listed in Section D, additional space has been provided on page 4.

   PLEASE NOTE: In Section D you are only required to check the applicable EPA waste code listed under Column 1. Columns 2, 3, and 4 have been completed in advance by Rollins Environmental Services in accordance with the Land Disposal Restrictions.

2. Attachment 1, Notification of F001-F005, F039, and California List wastes, should be submitted only for those wastes.

DEFINITIONS
(As Referenced in Waste Treatment Standard Tables)

1. EPA WASTE CODE SUBCATEGORIES:

- A = Anhydrous
- ALK = Alkaline
- C = Corrosive
- CB = Cadmium Battery
- CS = Calcium Sulfate
- E = Explosives
- H = Hydrated
- HM = High Mercury (≥260 mg/kg)
- LB = Lead Acid Battery
- LIQ = Liquid
- LM = Low Mercury (<260 mg/kg)
- NCS = Non-Calcium Sulfate
- OX = Oxidizer
- R = Reactive
- RC = Reactive Cyanides
- RS = Reactive Sulfides
- S = Solid
- TOC = Total Organic Carbon
- WR = Water Reactive
- WW = Wastewater (<1% Total Organic Carbon and < 1% Total Suspended Solids)

2. TECHNOLOGY CODES:

- ADGAS = Venting of Compressed Gases followed by neutralization (INCIN acceptable technology)
- DEACT = Deactivation of hazardous characteristics (INCIN acceptable technology)
- IMERC = Incineration of organics and mercury contaminated waste
- INCIN = Incineration
- STABL = Stabilization

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH	(4) 40 CFR §268.43 CCW
☐ D001GAS	N.A.	DEACT	N.A.
☐ D001LIQ <10%TOC	N.A.	DEACT	N.A.
☐ D001LIQ >10%TOC	N.A.	INCIN	N.A.
☐ D001OX	N.A.	DEACT	N.A.
☐ D001R	N.A.	DEACT	N.A.
☐ D002ACID	N.A.	DEACT	N.A.
☐ D002ALK	N.A.	DEACT	N.A.
☐ D002C	N.A.	DEACT	N.A.
[illegible]			
☐ D003R	N.A.	DEACT	N.A.
☐ D003RC	N.A.	N.A.	✓
☐ D003RS	N.A.	DEACT	N.A.
☐ D003WR	N.A.	DEACT	N.A.
☐ D004	✓	N.A.	N.A.
☐ D005	✓	N.A.	N.A.
☐ D006	✓	N.A.	N.A.
[illegible]			
☐ D007	✓	N.A.	N.A.
[illegible]			
☐ D008	✓	N.A.	N.A.
[illegible]			
☐ D008LM	✓	N.A.	N.A.
☐ D010	✓	N.A.	N.A.
☐ D011	✓	N.A.	N.A.
☐ D012	N.A.	N.A.	✓
☐ D013	N.A.	N.A.	✓
☐ D014	N.A.	N.A.	✓

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH
☐ D015	N.A.	N.A.
☐ D016	N.A.	N.A.
☐ D017	N.A.	N.A.
☐ D018	[illegible]	
☐ D019	[illegible]	
☐ D020	[illegible]	
☐ D021	[illegible]	
☐ D022	[illegible]	
☐ D023	[illegible]	
☐ D024	[illegible]	
☐ D025	[illegible]	
☐ D026	[illegible]	
☐ D027	[illegible]	
☐ D028	[illegible]	
☐ D029	[illegible]	
☐ D030	[illegible]	
☐ D031	[illegible]	
☐ D032	[illegible]	
☐ D033	[illegible]	
☐ D034	[illegible]	
☐ D035	[illegible]	
☐ D036	[illegible]	
☐ D037	[illegible]	
☐ D038	[illegible]	
☐ D039	[illegible]	
☐ D040	[illegible]	
☐ D041	[illegible]	
☐ D042	[illegible]	
☐ D043	[illegible]	

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH	(4) 40 CFR §268.43 CCW
☐ F001*	✓	N.A.	✓
☐ F002*	✓	N.A.	✓
☐ F003*	✓	N.A.	✓
☐ F004*	✓	N.A.	✓
☐ F005*	✓	INCIN**	✓
☐ F006	✓	N.A.	✓
☐ F007	✓	N.A.	✓
☐ F008	✓	N.A.	✓
☐ F009	✓	N.A.	✓
☐ F010	N.A.	N.A.	✓
☐ F011	✓	N.A.	✓
☐ F012	✓	N.A.	✓
☐ F019	✓	N.A.	✓

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH
[illegible]		
[illegible]		
[illegible]		
☐ F024	✓	INCIN
☐ F025	N.A.	N.A.
[illegible]		
[illegible]		
☐ F032	[illegible]	
☐ F034	[illegible]	
☐ F035	[illegible]	
☐ F037	National Capac	
☐ F038	Variance	
☐ F039*	✓	N.A.

* Submit Attachment 1; see note in CCWE Table for F001-F005.
** INCIN only for 2-Nitropropane, 2-Ethyoxyethanol

Turn to F

NOTIFICATION FOR F001-F005 SPENT SOLVENTS

1. Table CCWE - Constituent Concentrations in Waste Extract

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	
Carbon disulfide	4.81	Cyclohexanone	0.75	Methanol	0.75	***PLEASE NOTE:*** The treatment standa for these constituents apply to F001-F005 wastes which contain only one, two, or all three of these constituents

2. Table CCW – Constituent Concentrations in Wastes

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NW CON (mg/
Acetone	160	o-Dichlorobenzene	6.2	Methyl isobutyl ketone	33	1,1,2-Trichloroethane	7.6
Benzene	3.7	Ethyl acetate	33	Nitrobenzene	14	Trichloroethylene	5.6
n-Butylalcohol	2.6	Ethyl benzene	6.0	Pyridine	16	1,1,2-Trichloro-1,2,2-trifluoroethane	28
Carbon tetrachloride	5.6	Ethyl ether	160	Tetrachloroethylene	5.6		
Chlorobenzene	5.7	Isobutyl alcohol	170	Toluene	28	Trichloromonofluro-methane	33
Cresol (m- & p-isomers)	3.2	Methylene chloride	33	1,1,1-Trichloro-ethane	5.6		
o-Cresol	5.6	Methyl ethyl ketone	36			Xylene (Total)	28

NOTIFICATION FOR F039 MULTI-SOURCE LEACHATE

1. Table CCWE – Constituent Concentrations in Waste Extract

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC (mg/l
Antimony	0.23	Cadmium	0.066	Mercury	0.025	Silver	0.072
Arsenic	5.0	Chromium (Total)	5.2	Nickel	0.32		
m	52.0	Lead	0.51	Selenium	5.7		

2. Table CCW - Constituent Concentrations in Wastes

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC (mg/kg
Acetone	160.0	Benzo(a)anthracene	8.2	bis(2-Chloroethoxy) methane	7.2	o,p'-DDD	0.087
Acenaphtalene	3.4	Benzo(b)fluoranthene	3.4			p,p'-DDD	0.087
Acenaphthene	4.0	Benzo(k)fluoranthene	3.4	bis(2-Chloroethyl) ether	7.2	o,p'-DDE	0.087
Acetophenone	9.7	Benzo(g,h,i)perylene	1.5	Chloroform	5.6	p,p'-DDE	0.087
2-Acetylaminofluorene	140	Benzo(a)pyrene	8.2	bis(2-Chloroisopropyl) ether	7.2	o,p'-DDT	0.087
Acrylonitrile	84	Bromodichloromethane	15	p-Chloro-m-cresol	14	p,p'-DDT	0.087
Aldrin	0.066	Bromoform	15	Chloromethane (Methyl chloride)	33	Dibenzo(a,h)anthracene	8.2
Aniline	14	Bromomethane (methyl bromide)	15			m-Dichlorobenzene	6.2
Anthracene	4.0			2-Chloroaphthalene	5.6	o-Dichlorobenzene	6.2
Aroclor 1016	0.92	4-Bromophenyl phenyl ether	15	2-Chlorophenol	5.7	p-Dichlorobenzene	6.2
Aroclor 1221	0.92	n-Butyl alcohol	2.6	3-Chloropropene	28	Dichlorodifluoromethane	7.2
Aroclor 1232	0.92	Butyl benzylphthalate	7.9	Chrysene	8.2	1,1-Dichloroethane	7.2
Aroclor 1242	0.92	2-sec Butyl-4,6 dinitrophenol	2.5	o-Cresol	5.6	1,2-Dichloroethane	7.2
Aroclor 1248	0.92			Cresol (m- and p-isomers)	3.2	1,1-Dichloroethylene	33
Aroclor 1254	1.8	Carbon tetrachloride	5.6	1,2-Dibromo-3-chloropropane	15	trans 1,2-Dichloroethene	33
Aroclor 1260	1.8	Chlordane	0.13			2,4-Dichlorophenol	14
alpha-BHC	0.066	p-Chloroaniline	16	1,2-Dibromoethane (Ethylene dibromide)	15	2,6-Dichlorophenol	14
b HC	0.066	Chlorobenzene	5.7			1,2-Dichloropropane	18
de dHC	0.066	Chlorodibromo-methane	15	Dibromomethane	15	cis 1,3-Dichloropropane	18
gamma-BHC	0.066			2,4-Dichlorophenoxyacetic acid (2,4-D)	10	trans 1,3-Dichloropropene	18
Benzene	36	Chloroethane	6.0			Dieldrin	0.13

WASTE DATA FORM

COPY

Container # : C94043966	WMC : PREWETT KERRY
	Z # : 099185
WDR # : 1007119	Phone : 57020
	TA : 54
DIS/TRE # : 94304	Building : 70
	Room : OUTSIDE

NON RCRA STORAGE ONLY

WASTE GENERATED OR ACCUMULATED IN A RADIOACTIVE MATERIALS MANAGEMENT AREA: NO

Shipping Name : HAZARDOUS WASTE, SOLID, N.O.S. (1,1,1-TRICHLOROETHANE)

Hazard Class : 9 DOT ID# : NA3077 Packing Group : III

Secondary Label :

Technical Name :

Additional Desc :

ERG# : 31

Haz Substance : LSA/SCO Group :

Waste Code :	C0 - CHEMICAL WASTE	Other Con # :	
Storage Code :	UNSTOR	Container Type :	OT Volume : 21M
RGN # :	17	Container Gross Wgt:	Net Wgt : 30166p
Treat/Disp Loc :	DP	Reviewed By :	095169
Transported By :	CET	Data Entry By :	107695
		DOT Check By :	
Other Document :	00395497		
AreaG/J Loc :		Picked Up By/Date&Time:	112056 / 30-AUG-94 10:00
		Load Check By/Date :	
Treat/Disp By:	RES	Pickup Update Check By :	
Treat/Disp Date:	30-AUG-94		
		Off-Site Check By/Date :	
TSDF Date :	02-SEP-94		
Destruction # :		Update By/Date :	107695 / 13-SEP-94
Destruction Date :		Final Update Check By :	

Item 45085 : ASPHALT & SOIL FROM AREA L ELECTRIC UPGRADE

Generator : GONZALES JOSEPH A Group : CST7 Phone : 77579

WPN : 9334 Phy_state: S Volume : 21 M Weight : 30160 P

EPA Code : F002 1,1,1-TRICHLOROETHANE

'TEXAS' WATER COMMISSION
P.O. Box 13087, Capitol Station
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039. expires 09/30

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N M 0 8 9 0 0 1 0 5 1 5 | Manifest Document No. 9 4 0 3 8

2. Page 1 of 1

Information in the shaded area is not required by Federal law

3. Generator's Name and Mailing Address
In Emergency see box # 15 9430 4
LOS ALAMOS NATIONAL LABORATORY
P.O.BOX 1663 MS J593
LOS ALAMOS, NM 87545-

4. Generator's Phone ((505)667-7579 ATTN: DAN OAKLEY

A. State Manifest Document Number: 00395497

B. State Generator's ID: 99935

5. Transporter 1 Company Name: CUSTOM ENVIRONMENTAL TRANSPORT

6. US EPA ID Number: D E D 9 8 0 9 1 8 8 5 8

C. State Transporter's ID: 4 0 7 5 6

D. Transporter's Phone: (713)930-4500

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
ROLLINS ENVIRONMENTAL SERVICES (TX), INC.
2027 BATTLEGROUND ROAD
DEER PARK, TX 77536

10. US EPA ID Number: T X D 0 5 5 1 4 1 3 7 8

G. State Facility's ID: HW-50089-001

H. Facility's Phone: (713)930-2300

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	a. Hazardous waste, solid, n.o.s., (1,1,1-TRICHLOROETHANE), 9, NA3077, PG III	0 0 1	C M	35840 30160	P	D001,D035,F002
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
11a) H079283-22,F002,ROLL-OFF BINS WITH ASPHALT AND SOIL
11b)
11c)
11d)

K. Handling Codes for Wastes Listed Above
M043

15. Special Handling Instructions and Additional Information Use protective gear when handling waste. Avoid inhalation, ingestion, and skin contact. In emergency call Chemtrec at 1-800-424-9300, mention 'Labpack'. If undeliverable return to generator. B.O.L.# D.O.T. Emergency Response #'s 11a. 31
LANL EMERGENCY # 505-667-6211

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: DAN OAKLEY | Signature: Dan Oakley | Month Day Year: 8 30 94

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: ED DEININGER | Signature: Ed Deininger | Date: Month Day Year 8 30 94

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space
PER MY TELEPHONE CONVERSATION WITH DAN OAKLEY THE ABOVE QUANTITY HAS BEEN CHANGED TO REFLECT THE ACTUAL AMOUNT RECEIVED AT RES (TX) INC.
RECEIVED SEP 13 1994
9/6/94 Kim Mayes

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
RES(TX) INC
Printed/Typed Name: Ed Baca | Signature: Ed Baca | Date: Month Day Year 9 10 94

TWC-0311 (Rev. 01/21/93) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

ROLLINS ENVIRONMENTAL SERVICES

LAND DISPOSAL RESTRICTION (L
NON-WASTEWATER NOTIFICATI(

Section A, B, C, & D Completed by Generator (Instructions on Page 2)

SECTION A. GENERATOR NOTIFICATION

1. GENERATOR: Los Alamos National Laboratory
2. EPA I.D. NO.: NM089 0010515
3. MANIFEST NO.: 00 3954 97
4. STREAM NO.: HO79283-22
5. PURSUANT TO 40 CFR §268.7, I am notifying (Check One):

☐ RES (NJ) ☐ RES (LA) ☒ RES (TX) ☐ RES of LA ☐ OPC ☐ TET

that under the above RES Waste Stream number, I am shipping to you one of the following types of waste.

(Check either (a) or (b) only):

a. ☒ A ***non-wastewater*** (other than contaminated debris) identified by the EPA waste code(s) and subcategory(ies) have checked in Section D. of this form. Submit Attachment 1 for F001-F005, F039, and California List wastes c

b. ☐ A ***hazardous debris*** waste identified by the EPA waste code(s) and subcategory(ies) that I have checked in Sectio this form. Submit Attachment 1 for F001-F005, F039, and California List wastes only.

PLEASE NOTE: Hazardous debris is solid material exceeding 60 mm particle size and which contains on its surfac its pores a waste subject to the Land Disposal Restriction. (Regulatory Reference 40 CFR §268.2 [g] and [h]: requirement for treatment of hazardous debris pursuant to 40 CFR §268.45 becomes effective May 8, 1993.

SECTION B. CALIFORNIA LIST APPLICABILITY FOR EPA HAZARDOUS WASTES

Check one or more box(es) below, if applicable (DOES NOT apply to ***newly listed*** wastes).

1. ☐ A D001-D011 liquid[1] or non-liquid waste containing halogenated organic compounds (HOCs) ≥ 1000 ppm as spec 40 CFR §268, Appendix III.
2. ☐ A liquid[1] hazardous waste containing polychlorinated biphenyls (PCBs)[2] ≥ 50 ppm.
3. ☐ A D001-D017 liquid[1] waste containing ≥ 134 mg/l of nickel and/or ≥ 130 mg/l of thallium.
4. ☐ A liquid[1] or non-liquid hazardous waste subject to a National Capacity Variance which meets the definition of a Ca List Waste (Refer to Attachment 1 [page 2] for the California List definition).

[1] To determine whether a waste is liquid or contains ***free liquid***, use the Paint Filter Test (EPA SW-846, Method 90
[2] Incineration in a TSCA permitted incinerator [RES (TX) only].

SECTION C. GENERATOR CERTIFICATION (Authorized Representative)

I hereby certify and warrant that all the information supplied on this form and all associated documents repres complete and accurate identification of this waste material.

1. Print or Type Name: Dan Oakley
2. Date: 8/30/
3. Signature: Dan Oakley
4. Title: Deputy Mgr

PLEASE NOTE: If your waste already meets relevant treatment standards or your waste is a wastewater Appendix IV or Appendix V Lab Pack, please contact your Rollins Sales/Customer Service office for the additi alternate certification form. For your convenience regional office addresses and phone numbers are listed back of Attachment 1.

© *Rollins Environmental Services (Sales) Inc. 1992*

Turn t

TION D.
ASTE TREATMENT STANDARD TABLES
ON-WASTEWATER

INSTRUCTIONS

1. After completion of Sections A, B, and C on page 1, check *ALL* EPA waste codes applicable to this waste in Section D provided for you on pages 2, 3, and 4. For any waste codes not listed in Section D, additional space has been provided on page 4.

   PLEASE NOTE: In Section D you are only required to check the applicable EPA waste code listed under Column 1. Columns 2, 3, and 4 have been completed in advance by Rollins Environmental Services in accordance with the Land Disposal Restrictions.

2. Attachment 1, Notification of F001-F005, F039, and California List wastes, should be submitted only for those wastes.

DEFINITIONS
(As Referenced in Waste Treatment Standard Tables)

1. EPA WASTE CODE SUBCATEGORIES:

- A = Anhydrous
- ALK = Alkaline
- C = Corrosive
- CB = Cadmium Battery
- CS = Calcium Sulfate
- E = Explosives
- H = Hydrated
- HM = High Mercury (≥260 mg/kg)
- LB = Lead Acid Battery
- LIQ = Liquid
- LM = Low Mercury (<260 mg/kg)
- NCS = Non-Calcium Sulfate
- OX = Oxidizer
- R = Reactive
- RC = Reactive Cyanides
- RS = Reactive Sulfides
- S = Solid
- TOC = Total Organic Carbon
- WR = Water Reactive
- WW = Wastewater (<1% Total Organic Carbon and < 1% Total Suspended Solids)

2. TECHNOLOGY CODES:

- ADGAS = Venting of Compressed Gases followed by neutralization (INCIN acceptable technology)
- DEACT = Deactivation of hazardous characteristics (INCIN acceptable technology)
- IMERC = Incineration of organics and mercury contaminated waste
- INCIN = Incineration
- STABL = Stabilization

"D" CHARACTERISTIC WASTE CODES

Check All Applicable W

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH	(4) 40 CFR §268.43 CCW
☐ D001GAS	N.A.	DEACT	N.A.
☐ D001LIQ <10%TOC	N.A.	DEACT	N.A.
☐ D001LIQ >10%TOC	N.A.	INCIN	N.A
☐ D001OX	N.A.	DEACT	N.A.
☐ D001R	N.A.	DEACT	N.A.
☐ D002ACID	N.A.	DEACT	N.A.
☐ D002ALK	N.A.	DEACT	N.A.
☐ D002C	N.A.	DEACT	N.A.
D003E	DO NOT ACCEPT		
☐ D003R	N.A.	DEACT	N.A.
☐ D003RC	N.A.	N.A.	✓
☐ D003RS	N.A.	DEACT	N.A.
☐ D003WR	N.A.	DEACT	N.A.
☐ D004	✓	N.A.	N.A.
☐ D005	✓	N.A.	N.A.
☐ D006	✓	N.A.	N.A.
D006CS	DO NOT ACCEPT		
☐ D007	✓	N.A.	N.A.
D008LB	DO NOT ACCEPT		
☐ D008	✓	N.A.	N.A.
D009HM	DO NOT ACCEPT		
☐ D009LM	✓	N.A.	N.A.
☐ D010	✓	N.A.	N.A.
☐ D011	✓	N.A.	N.A.
☐ D012	N.A.	N.A.	✓
☐ D013	N.A.	N.A.	✓
☐ D014	N.A.	N.A.	✓

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CF §268.- TECH
☐ D015	N.A.	N.A.
☐ D016	N.A.	N.A
☐ D017	N.A.	N.A.
☐ D018		
☐ D019		
☐ D020		
☐ D021		
☐ D022		
☐ D023		
☐ D024		
☐ D025		
☐ D026		
☐ D027		
☐ D028		
☐ D029		
☐ D030		
☐ D031		
☐ D032		
☐ D033		
☐ D034		
☐ D035		
☐ D036		
☐ D037		
☐ D038		
☐ D039		
☐ D040		
☐ D041		
☐ D042		
☐ D043		

NEWLY LIS
WASTE
Not Currently Rec
Under
Land Disposal Rec

"F" LISTED WASTE CODES

Check All Applicable Waste

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH	(4) 40 CFR §268.43 CCW
☐ F001*	✓	N.A.	✓
☒ F002*	✓	N.A.	✓
☐ F003*	✓	N.A.	✓
☐ F004*	✓	N.A.	✓
☐ F005*	✓	INCIN**	✓
☐ F006	✓	N.A.	✓
☐ F007	✓	N.A.	✓
☐ F008	✓	N.A.	✓
☐ F009	✓	N.A.	✓
☐ F010	N.A.	N.A.	✓
☐ F011	✓	N.A.	✓
☐ F012	✓	N.A.	✓
☐ F019	✓	N.A.	✓
F020	DO NOT ACCEPT		

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH
F021	DO NOT ACCEP	
F022	DO NOT ACCEP	
F023	DO NOT ACCEP	
☐ F024	✓	INCIN
☐ F025	N.A.	N.A.
F026	DO NOT ACCEP	
F027	DO NOT ACCEP	
F028	DO NOT ACCEP	
☐ F032	NEWLY LISTED WA	
☐ F034	Not Currently Regula	
☐ F035	Under Land Disposal Restrict	
☐ F037	National Capacity Variance	
☐ F038		
☐ F039*	✓	N.A.

* Submit Attachment 1; see note in CCWE Table for F001-F005.
** INCIN only for 2-Nitropropane, 2-Ethyoxyethanol

ITIONAL LDR NOTIFICATION
F001-F005, F039

ATTACHMEI
NON-WASTEWA

NOTIFICATION FOR F001-F005 SPENT SOLVENTS

1. Table CCWE - Constituent Concentrations in Waste Extract

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	
Carbon disulfide	4.81	Cyclohexanone	0.75	Methanol	0.75	*PLEASE NOTE:* The treatment st for these constituents apply to F- F005 wastes which contain oni two, or all three of these constit

2. Table CCW -- Constituent Concentrations in Wastes

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT
Acetone	160	o-Dichlorobenzene	6.2	Methyl isobutyl ketone	33	1,1,2-Trichloroethane
Benzene	3.7	Ethyl acetate	33	Nitrobenzene	14	Trichloroethylene
n-Butylalcohol	2.6	Ethyl benzene	6.0	Pyridine	16	1,1,2-Trichloro-1,2,2-trifluoroethane
Carbon tetrachloride	5.6	Ethyl ether	160	Tetrachloroethylene	5.6	
Chlorobenzene	5.7	Isobutyl alcohol	170	Toluene	28	Trichloromonofluro-methane
Cresol (m- & p-isomers)	3.2	Methylene chloride	33	1,1,1-Trichloro-ethane	5.6	
o-Cresol	5.6	Methyl ethyl ketone	36			Xylene (Total)

NOTIFICATION FOR F039 MULTI-SOURCE LEACHATE

1. Table CCWE -- Constituent Concentrations in Waste Extract

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT
Antimony	0.23	Cadmium	0.066	Mercury	0.025	Silver
rsenic	5.0	Chromium (Total)	5.2	Nickel	0.32	
Barium	52.0	Lead	0.51	Selenium	5.7	

2. Table CCW - Constituent Concentrations in Wastes

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT
Acetone	160.0	Benzo(a)anthracene	8.2	bis(2-Chloroethoxy) methane	7.2	o,p'-DDD
Acenapntalene	3.4	Benzo(b)fluoranthene	3.4			p,p'-DDD
Acenaphthene	4.0	Benzo(k)fluoranthene	3.4	bis(2-Chloroethyl) ether	7.2	o,p'-DDE
Acetophenone	9.7	Benzo(g,h,i)perylene	1.5	Chloroform	5.6	p,p'-DDE
2-Acetylaminofluorene	140	Benzo(a)pyrene	8.2	bis(2-Chloroisopropyl) ether	7.2	o,p'-DDT
Acrylonitrile	84	Bromodichloromethane	15	p-Chloro-m-cresol	14	p,p'-DDT
Aldrin	0.066	Bromoform	15	Chloromethane (Methyl chloride)	33	Dibenzo(a,h)anthracene
Aniline	14	Bromomethane (methyl bromide)	15			m-Dichlorobenzene
Anthracene	4.0			2-Chloroaphthalene	5.6	o-Dichlorobenzene
Aroclor 1016	0.92	4-Bromophenyl phenyl ether	15	2-Chlorophenol	5.7	p-Dichlorobenzene
Aroclor 1221	0.92	n-Butyl alcohol	2.6	3-Chloropropene	28	Dichlorodifluoromethane
Aroclor 1232	0.92	Butyl benzylphthalate	7.9	Chrysene	8.2	1,1-Dichloroethane
Aroclor 1242	0.92	2-sec Butyl-4,6 dinitrophenol	2.5	o-Cresol	5.6	1,2-Dichloroethane
Aroclor 1248	0.92			Cresol (m- and p-isomers)	3.2	1,1-Dichloroethylene
Aroclor 1254	1.8	Carbon tetrachloride	5.6	1,2-Dibromo-3-chloropropane	15	trans 1,2-Dichloroethene
Aroclor 1260	1.8	Chlordane	0.13			2,4-Dichlorophenol
lpha-BHC	0.066	p-Chloroaniline	16	1,2-Dibromoethane (Ethylene dibromide)	15	2,6-Dichlorophenol
beta-BHC	0.066	Chlorobenzene	5.7			1,2-Dichloropropane
delta-BHC	0.066	Chlorodibromo-methane	15	Dibromomethane	15	cis 1,3-Dichloropropane
gamma-BHC	0.066			2,4-Dichlorophenoxyacetic acid (2,4-D)	10	trans 1,3-Dichloropropene
Benzene	36	Chloroethane	6.0			Dieldrin

WASTE DATA FORM

COPY

Container # : C94043967	WMC : PREWETT KERRY
	Z # : 099185
	Phone : 57020
WDR # : 1007119	TA : 54
	Building : 70
DIS/TRE # : 94323	Room : OUTSIDE

NON RCRA STORAGE ONLY
WASTE GENERATED OR ACCUMULATED IN A RADIOACTIVE MATERIALS MANAGEMENT AREA: NO

Shipping Name : HAZARDOUS WASTE, SOLID, N.O.S. (1,1,1-TRICHLOROETHANE)

Hazard Class : 9 DOT ID# : NA3077 Packing Group : III
Secondary Label :
Technical Name :
Additional Desc :
ERG# : 31
Haz Substance : LSA/SCO Group :

Waste Code :	C0 - CHEMICAL WASTE	Other Con # :	LAN-3967-94
Storage Code :	UNSTOR	Container Type :	OT Volume : 21M
RGN # :	17	Container Gross Wgt:	Net Wgt : 33006p
Treat/Disp Loc :	DP	Reviewed By :	095169
Transported By :	CET	Data Entry By :	107695
		DOT Check By :	
Other Document :	00395498		
AreaG/J Loc :		Picked Up By/Date&Time:	112056 / 14-SEP-94 10:00
		Load Check By/Date :	
Treat/Disp By:	RES	Pickup Update Check By :	
Treat/Disp Date:	15-SEP-94		
		Off-Site Check By/Date :	
TSDF Date :	17-SEP-94		
Destruction # :		Update By/Date :	107695 / 28-SEP-94
Destruction Date :		Final Update Check By :	

Item 45392 : ASPHALT & SOIL FROM AREA L ELECTRIC UPGRADE
Generator : GONZALES JOSEPH A Group : CST7 Phone : 77579
WPN : 9334 Phy_state: S Volume : 21 M Weight : 33000 P
EPA Code : F002 1,1,1-TRICHLOROETHANE

TO: FILE
FROM: LOUISE GARCIA
TITLE: OFF-SITE TO DEER PARK TX

OFFSITE DATE: 15-SEP-94
DTID#: 94323
MANIFEST: 00395498

COUNT	GENID#	CONID#	RES#	DESCRIPTION	VOL(M3)	WGT(KG)
1	1007119	C94043967	LAN-3967	ASPHALT & SOIL FROM AREA L ELECTRIC UPGR	21.0000	14968.8

*** TOTAL WEIGHT 14,968.80 KILOGRAMS ***

*** TOTAL VOLUME 21.00 CUBIC METERS ***

TEXAS WATER COMMISSION
P.O. Box 13087, Capitol Station
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039. expires 09/30/9

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N M 0 8 9 0 0 1 0 5 1 5 | Manifest Document No. 9 4 3 2 7

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
In Emergency see box # 15
LOS ALAMOS NATIONAL LABORATORY
P.O. BOX 1663 MS J593
LOS ALAMOS, NM 87545-

4. Generator's Phone ((505)667-7579 ATTN: DAN OAKLEY

A. State Manifest Document Number 00395498

B. State Generator's ID 99935

5. Transporter 1 Company Name
CUSTOM ENVIRONMENTAL TRANSPORT

6. US EPA ID Number D E D 9 8 0 9 1 8 8 5 8

C. State Transporter's ID 4 0 7 5 5

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (713)930-4500

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
ROLLINS ENVIRONMENTAL SERVICES (TX), INC.
2027 BATTLEGROUND ROAD
DEER PARK, TX 77536

10. US EPA ID Number T X D 0 5 5 1 4 1 3 7 8

G. State Facility's ID HW-50089-001

H. Facility's Phone (713)930-2300

11A HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	a. Hazardous waste, solid, n.o.s., (1,1,1-TRICHLOROETHANE), 9, NA3077, PG III	0 0 1	C	36520	P	D001
	b.					
	c.					
	d.					

9/15/94

J. Additional Descriptions for Materials Listed Above
11a) HO79283-22, F002, ROLL-OFF BINS FILLED WITH ASPHALT AND SOIL
11b)
11c)
11d)

K. Handling Codes for Wastes Listed Above
M043

15. Special Handling Instructions and Additional Information
Inhalation, Ingestion, and skin contact. Use protective gear when handling waste. Avoid
424-9300, mention 'Labpack', if undeliverable return to generator. B.O.L.#
D.H.: 1. Emergency Response #'s 11a. 31
LANL EMERGENCY # 505-667-6211

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Dan Oakley | Signature: Dan Oakley | Month Day Year: 9 15 94

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: HARRY JONES | Signature: Harry Jones | Date: 09 15 94

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date

19. Discrepancy Indication Space

RECEIVED SEP 27 1994

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
RES (TX) INC
Printed/Typed Name: Gerald V. Allmann | Signature: Gerald V. Allmann | Date: Month Day Year 09 21 94

C-0311 (Rev. 01/21/93) White - original Pink - TCEQ

ROLLINS ENVIRONMENTAL SERVICES

LAND DISPOSAL RESTRICTION (LDR) NON-WASTEWATER NOTIFICATION

ection A, B, C, & D Completed by Generator (Instructions on Page 2)

SECTION A. GENERATOR NOTIFICATION

1. GENERATOR: LOS ALAMOS NATIONAL LABS 2. EPA I.D. NO.: NM0890010515

3. MANIFEST NO.: 00395498 4. STREAM NO.: HO 79283-22

5. PURSUANT TO 40 CFR §268.7, I am notifying (Check One):

☐ RES (NJ) ☐ RES (LA) ☒ RES (TX) ☐ RES of LA ☐ OPC ☐ TET

that under the above RES Waste Stream number, I am shipping to you one of the following types of waste.

(Check either (a) or (b) only):

a. ☐ A *non-wastewater* (other than contaminated debris) identified by the EPA waste code(s) and subcategory(ies) that I have checked in Section D. of this form. Submit Attachment 1 for F001-F005, F039, and California List wastes only.

b. ☒ A *hazardous debris* waste identified by the EPA waste code(s) and subcategory(ies) that I have checked in Section D. of this form. Submit Attachment 1 for F001-F005, F039, and California List wastes only.

PLEASE NOTE: Hazardous debris is solid material exceeding 60 mm particle size and which contains on its surface or in its pores a waste subject to the Land Disposal Restriction. (Regulatory Reference 40 CFR §268.2 [g] and [h]). The requirement for treatment of hazardous debris pursuant to 40 CFR §268.45 becomes effective May 8, 1993.

SECTION B. CALIFORNIA LIST APPLICABILITY FOR EPA HAZARDOUS WASTES

:heck one or more box(es) below, if applicable (DOES NOT apply to *newly listed* wastes).

1. ☐ A D001-D011 liquid[1] or non-liquid waste containing halogenated organic compounds (HOCs) ≥ 1000 ppm as specified in 40 CFR §268, Appendix III.

2. ☐ A liquid[1] hazardous waste containing polychlorinated biphenyls (PCBs)[2] ≥ 50 ppm.

3. ☐ A D001-D017 liquid[1] waste containing ≥ 134 mg/l of nickel and/or ≥ 130 mg/l of thallium.

4. ☐ A liquid[1] or non-liquid hazardous waste subject to a National Capacity Variance which meets the definition of a California List Waste (Refer to Attachment 1 [page 2] for the California List definition).

[1] To determine whether a waste is liquid or contains *free liquid*, use the Paint Filter Test (EPA SW-846, Method 9095).
[2] Incineration in a TSCA permitted incinerator [RES (TX) only].

SECTION C. GENERATOR CERTIFICATION (Authorized Representative)

I hereby certify and warrant that all the information supplied on this form and all associated documents represents a complete and accurate identification of this waste material.

1. Print or Type Name: DAN OAKLEY 2. Date: 9/15/94

3. Signature: Dan Oakley 4. Title: TRANSP MGR

PLEASE NOTE: If your waste already meets relevant treatment standards or your waste is a wastewater or an \ppendix IV or Appendix V Lab Pack, please contact your Rollins Sales/Customer Service office for the additional or 'ternate certification form. For your convenience regional office addresses and phone numbers are listed on the ,ack of Attachment 1.

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Turn to Page 2

SECTION D.
WASTE TREATMENT STANDARD TABLES
NON-WASTEWATER

INSTRUCTIONS

1. After completion of Sections A, B, and C on page 1, check *ALL* EPA waste codes applicable to this waste in Section D provided for you on pages 2, 3, and 4. For any waste codes not listed in Section D, additional space has been provided on page 4.

   PLEASE NOTE: In Section D you are only required to check the applicable EPA waste code listed under Column 1. Columns 2, 3, and 4 have been completed in advance by Rollins Environmental Services in accordance with the Land Disposal Restrictions.

2. Attachment 1, Notification of F001-F005, F039, and California List wastes, should be submitted only for those wastes.

DEFINITIONS
(As Referenced in Waste Treatment Standard Tables)

1. EPA WASTE CODE SUBCATEGORIES:

- A = Anhydrous
- ALK = Alkaline
- C = Corrosive
- CB = Cadmium Battery
- CS = Calcium Sulfate
- E = Explosives
- H = Hydrated
- HM = High Mercury (≥260 mg/kg)
- LB = Lead Acid Battery
- LIQ = Liquid
- LM = Low Mercury (<260 mg/kg)
- NCS = Non-Calcium Sulfate
- OX = Oxidizer
- R = Reactive
- RC = Reactive Cyanides
- RS = Reactive Sulfides
- S = Solid
- TOC = Total Organic Carbon
- WR = Water Reactive
- WW = Wastewater (<1% Total Organic Carbon and < 1% Total Suspended Solids)

2. TECHNOLOGY CODES:

- ADGAS = Venting of Compressed Gases followed by neutralization (INCIN acceptable technology)
- DEACT = Deactivation of hazardous characteristics (INCIN acceptable technology)
- IMERC = Incineration of organics and mercury contaminated waste
- INCIN = Incineration
- STABL = Stabilization

"D" CHARACTERISTIC WASTE CODES

Check All Applicable Waste Co

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH	(4) 40 CFR §268.43 CCW
☐ D001GAS	N.A.	DEACT	N.A.
☐ D001LIQ <10%TOC	N.A.	DEACT	N.A.
☐ D001LIQ >10%TOC	N.A.	INCIN	N.A
☐ D0010X	N.A.	DEACT	N.A.
☐ D001R	N.A.	DEACT	N.A.
☐ D002ACID	N.A.	DEACT	N.A.
☐ D002ALK	N.A.	DEACT	N.A.
☐ D002C	N.A.	DEACT	N.A.
D003E	DO NOT ACCEPT		
☐ D003R	N.A.	DEACT	N.A.
☐ D003RC	N.A.	N.A.	✓
☐ D003RS	N.A.	DEACT	N.A.
☐ D003WR	N.A.	DEACT	N.A.
☐ D004	✓	N.A.	N.A.
☐ D005	✓	N.A.	N.A.
☐ D006	✓	N.A.	N.A.
D006CB	DO NOT ACCEPT		
☐ D007	✓	N.A.	N.A.
D008LB	DO NOT ACCEPT		
☐ D008	✓	N.A.	N.A.
D008HM	DO NOT ACCEPT		
☐ D008LM	✓	N.A.	N.A.
☐ D010	✓	N.A.	N.A.
☐ D011	✓	N.A.	N.A.
☐ D012	N.A.	N.A.	✓
☐ D013	N.A.	N.A.	✓
☐ D014	N.A.	N.A.	✓

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH	(4) 40 C §268. CCW
☐ D015	N.A.	N.A.	
☐ D016	N.A.	N.A	
☐ D017	N.A.	N.A.	
☐ D018			
☐ D019			
☐ D020			
☐ D021			
☐ D022			
☐ D023			
☐ D024			
☐ D025			
☐ D026			
☐ D027			
☐ D028			
☐ D029			
☐ D030			
☐ D031			
☐ D032			
☐ D033			
☐ D034			
☐ D035			
☐ D036			
☐ D037			
☐ D038			
☐ D039			
☐ D040			
☐ D041			
☐ D042			
☐ D043			

"F" LISTED WASTE CODES

Check All Applicable Waste Code

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH	(4) 40 CFR §268.43 CCW
☐ F001*	✓	N.A.	✓
☐ F002*	✓	N.A.	✓
☐ F003*	✓	N.A.	✓
☐ F004*	✓	N.A.	✓
☐ F005*	✓	INCIN**	✓
☐ F006	✓	N.A.	✓
☐ F007	✓	N.A.	✓
☐ F008	✓	N.A.	✓
☐ F009	✓	N.A.	✓
☐ F010	N.A.	N.A.	✓
☐ F011	✓	N.A.	✓
☐ F012	✓	N.A.	✓
☐ F019	✓	N.A.	✓
F020	DO NOT ACCEPT		

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH	(4) 40 C §268. CCW
F021	DO NOT ACCEPT		
F022	DO NOT ACCEPT		
F023	DO NOT ACCEPT		
☐ F024	✓	INCIN	✓
☐ F025	N.A.	N.A.	✓
F026	DO NOT ACCEPT		
F027	DO NOT ACCEPT		
F028	DO NOT ACCEPT		
☐ F032	[illegible] WASTE		
☐ F034	[illegible]		
☐ F035	[illegible]		
☐ F037	National Capacity Variance		
☐ F038			
☐ F039*	✓	N.A.	✓

* Submit Attachment 1; see note in CCWE Table for F001-F005.
** INCIN only for 2-Nitropropane, 2-Ethyoxyethanol

Turn to Page

ADDITIONAL LDR NOTIFIC ION
• F001-F005, F039

ATTACHMENT
NON-WASTEWATE

NOTIFICATION FOR F001-F005 SPENT SOLVENTS

1. Table CCWE - Constituent Concentrations in Waste Extract

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	
Carbon disulfide	4.81	Cyclohexanone	0.75	Methanol	0.75	*PLEASE NOTE:* The treatment standar for these constituents apply to F001-F005 wastes which contain only one, two, or all three of these constituents

2. Table CCW -- Constituent Concentrations in Wastes

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NW CON (mg/
Acetone	160	o-Dichlorobenzene	6.2	Methyl isobutyl ketone	33	1,1,2-Trichloroethane	7.6
Benzene	3.7	Ethyl acetate	33	Nitrobenzene	14	Trichloroethylene	5.6
n-Butylalcohol	2.6	Ethyl benzene	6.0	Pyridine	16	1,1,2-Trichloro-1,2,2-trifluoroethane	28
Carbon tetrachloride	5.6	Ethyl ether	160	Tetrachloroethylene	5.6		
Chlorobenzene	5.7	Isobutyl alcohol	170	Toluene	28	Trichloromonofluro-methane	33
Cresol (m- & p-isomers)	3.2	Methylene chloride	33	1,1,1-Trichloro-ethane	5.6	Xylene (Total)	28
o-Cresol	5.6	Methyl ethyl ketone	36				

NOTIFICATION FOR F039 MULTI-SOURCE LEACHATE

1. Table CCWE -- Constituent Concentrations in Waste Extract

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC (mg/
Antimony	0.23	Cadmium	0.066	Mercury	0.025	Silver	0.07
senic	5.0	Chromium (Total)	5.2	Nickel	0.32		
ium	52.0	Lead	0.51	Selenium	5.7		

2. Table CCW - Constituent Concentrations in Wastes

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC (mg/k
Acetone	160.0	Benzo(a)anthracene	8.2	bis(2-Chloroethoxy) methane	7.2	o,p'-DDD	0.087
Acenaphtalene	3.4	Benzo(b)fluoranthene	3.4			p,p'-DDD	0.087
Acenaphthene	4.0	Benzo(k)fluoranthene	3.4	bis(2-Chloroethyl) ether	7.2	o,p'-DDE	0.087
Acetophenone	9.7	Benzo(g,h,i)perylene	1.5	Chloroform	5.6	p,p'-DDE	0.087
2-Acetylaminofluorene	140	Benzo(a)pyrene	8.2	bis(2-Chloroisopropyl) ether	7.2	o,p'-DDT	0.087
Acrylonitrile	84	Bromodichloromethane	15	p-Chloro-m-cresol	14	p,p'-DDT	0.087
Aldrin	0.066	Bromoform	15	Chloromethane (Methyl chloride)	33	Dibenzo(a,h)anthracene	8.2
Aniline	14	Bromomethane (methyl bromide)	15			m-Dichlorobenzene	6.2
Anthracene	4.0			2-Chloroaphthalene	5.6	o-Dichlorobenzene	6.2
Aroclor 1016	0.92	4-Bromophenyl phenyl ether	15	2-Chlorophenol	5.7	p-Dichlorobenzene	6.2
Aroclor 1221	0.92	n-Butyl alcohol	2.6	3-Chloropropene	28	Dichlorodifluoromethane	7.2
Aroclor 1232	0.92	Butyl benzylphthalate	7.9	Chrysene	8.2	1,1-Dichloroethane	7.2
Aroclor 1242	0.92	2-sec Butyl-4,6 dinitrophenol	2.5	o-Cresol	5.6	1,2-Dichloroethane	7.2
Aroclor 1248	0.92			Cresol (m- and p-isomers)	3.2	1,1-Dichloroethylene	33
Aroclor 1254	1.8	Carbon tetrachloride	5.6	1,2-Dibromo-3-chloropropane	15	trans 1,2-Dichloroethene	33
Aroclor 1260	1.8	Chlordane	0.13			2,4-Dichlorophenol	14
alpha-BHC	0.066	p-Chloroaniline	16	1,2-Dibromoethane (Ethylene dibromide)	15	2,6-Dichlorophenol	14
a-BHC	0.066	Chlorobenzene	5.7			1,2-Dichloropropane	18
i-BHC	0.066	Chlorodibromo-methane	15	Dibromomethane	15	cis 1,3-Dichloropropane	18
gamma-BHC	0.066			2,4-Dichlorophenoxyacetic acid (2,4-D)	10	trans 1,3-Dichloropropene	18
Benzene	36	Chloroethane	6.0			Dieldrin	0.13

WASTE DATA FORM

COPY

Container # : C94043968	WMC : PREWETT KERRY
	Z # : 099185
WDR # : 1007119	Phone : 57020
	TA : 54
DIS/TRE # : 94390	Building : 70
	Room : OUTSIDE

NON RCRA STORAGE ONLY

WASTE GENERATED OR ACCUMULATED IN A RADIOACTIVE MATERIALS MANAGEMENT AREA: NO

Shipping Name : HAZARDOUS WASTE, SOLID, N.O.S. (1,1,1-TRICHLOROETHANE)

Hazard Class : 9 DOT ID# : NA3077 Packing Group : III

Secondary Label :

Technical Name :

Additional Desc :

ERG# : 31

Haz Substance : LSA/SCO Group :

Waste Code : C0 - CHEMICAL WASTE	Other Con # : LAN-3968-94
Storage Code : UNSTOR	Container Type : OT Volume : 21M
RGN # : 17	Container Gross Wgt: Net Wgt : 10002p
Treat/Disp Loc : DP	Reviewed By : 095169
Transported By : CET	Data Entry By : 107695
	DOT Check By :
Other Document : 00395505	
AreaG/J Loc :	Picked Up By/Date&Time: 112056 / 09-NOV-94 09:00
	Load Check By/Date :
Treat/Disp By: RES	Pickup Update Check By :
Treat/Disp Date: 09-NOV-94	
	Off-Site Check By/Date :
TSDF Date : 14-NOV-94	
Destruction # :	Update By/Date : 107695 / 02-DEC-94
Destruction Date :	Final Update Check By :

Item 47603 : ASPHALT & SOIL FROM AREA L ELECTRIC UPGRADE

Generator : GONZALES JOSEPH A **Group** : CST7 **Phone** : 77579

WPN : 9334 **Phy_state:** S **Volume** : 21 M **Weight** : 10000 P

EPA Code : F002 1,1,1-TRICHLOROETHANE

TEXAS WATER COMMISSION
P.O. Box 13087, Capitol Station
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039. expires 09

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N M 0 8 9 0 0 1 0 5 1 5 Manifest Document No. B 4 3 9 8

2. Page 1 of 1

Information in the shaded are is not required by Federal la

3. Generator's Name and Mailing Address In Emergency see box # 15
LOS ALAMOS NATIONAL LABORATORY
P.O. BOX 1663 MS J593
LOS ALAMOS, NM 87545-

4. Generator's Phone ((505)667-7579 ATTN: DAN OAKLEY

A. State Manifest Document Number 00395505

B. State Generator's ID 99935

5. Transporter 1 Company Name ~~CUSTOM ENVIRONMENTAL TRANSPORT~~ PARA-CHECK
US EPA ID Number ~~TED 988091885~~ DED 988091666

C. State Transporter's ID 40810

D. Transporter's Phone (302) 426-295

7. Transporter 2 Company Name CUSTOM ENVIRONMENTAL TRANS
8. US EPA ID Number DED 980918858

E. State Transporter's ID 40786

F. Transporter's Phone (713) 930 452

9. Designated Facility Name and Site Address
ROLLINS ENVIRONMENTAL SERVICE (TX), INC
2027 BATTLEGROUND ROAD
DEER PARK, TX 77536

10. US EPA ID Number TXD055141378

G. State Facility's ID ~~HW50089001~~

H. Facility's Phone ~~713-930-2300~~

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	L Waste No.
X	a. ~~Hazardous waste, solid, n.o.s., (1,1,1-trichloroethane), 9, NA3077, PG III~~	001	CM	~~10000~~ 01000	P	OUTS301H
	b. ~~NON-REGULATED WASTE, SOLID~~	001	CM	~~04000~~ 11720	P	OUTS3011
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
11a) ~~HO-079283-21 F002~~
11b) HO-079283-21, soil
11c)
11d)

K. Handling Codes for Wastes Listed Above
M043

15. Special Handling Instructions and Additional Information Use protective gear when handling waste. Avoid inhalation, ingestion, and skin contact. In emergency call Chemtrec at 1-800-424-9300, mention 'Labpack'. If undeliverable return to generator. B.O.L.# D.O.T. Emergency Response #'s 11a. 31 11b. LANL EMERGENCY # 505-667-6211

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: DAN OAKLEY — Signature: Dan Oakley — Month 11 Day 9 Year 9

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: BILL M GEASLIN — Signature: [illegible] — Month 11 Day 9 Year 9

18. Transporter 2 Acknowledgement of Receipt of Materials — Date
Printed/Typed Name: CHARLES ALMAND — Signature: Charles Almand — Month 11 Day 16 Year 9

FACILITY

19. Discrepancy Indication Space

RECEIVED NOV 28 1994

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
RESOLINC — Date
Printed/Typed Name: TOMMY WALDO — Signature: Tommy Waldo — Month 11 Day 14 Year 94

TWC-0311 (Rev. 01/21/93) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

COPIES OF OFF-SITE PAPERWORK FOR LANL

DATE: 11/9/94

CHECK OFF OR N/A

MANIFESTS ✓
MANIFEST ASSIGNMENT ✓
LDR FORMS ✓
~~DATA FORMS~~
CYLINDER SURVEY SHEETS X
CYLINDER CONTROL SHEET X
RAD. CERT. ✓
TRACKING DOC. ✓
PCB CONTINUATION SHEET X

CHECK OFF WHEN COPIES ARE DONE.
WRITE N/A WHEN COPIES ARE NOT NEEDED.(e.g. PCB CONTINUATION SHEETS ON A NON-PCB LOAD)

SIGNATURE

ROLLINS ENVIRONMENTAL SERVICES

LAND DISPOSAL RESTRICTION (LDI NON-WASTEWATER NOTIFICATION

Section A, B, C, & D Completed by Generator (Instructions on Page 2)

SECTION A. GENERATOR NOTIFICATION

1. GENERATOR: Los Alamos National Laboratory
2. EPA I.D. NO.: NM0890010515
3. MANIFEST NO.: TX 00395505
4. STREAM NO.: HO.79283-22
5. PURSUANT TO 40 CFR §268.7, I am notifying (Check One):

☐ RES (NJ) ☐ RES (LA) ☒ RES (TX) ☐ RES of LA ☐ OPC ☐ TET

that under the above RES Waste Stream number, I am shipping to you one of the following types of waste.

(Check either (a) or (b) only):

a. ☒ A ***non-wastewater*** (other than contaminated debris) identified by the EPA waste code(s) and subcategory(ies) that have checked in Section D. of this form. Submit Attachment 1 for F001-F005, F039, and California List wastes only.

b. ☐ A ***hazardous debris*** waste identified by the EPA waste code(s) and subcategory(ies) that I have checked in Section D. (this form. Submit Attachment 1 for F001-F005, F039, and California List wastes only.

PLEASE NOTE: Hazardous debris is solid material exceeding 60 mm particle size and which contains on its surface or its pores a waste subject to the Land Disposal Restriction. (Regulatory Reference 40 CFR §268.2 [g] and [h]). Th requirement for treatment of hazardous debris pursuant to 40 CFR §268.45 becomes effective May 8, 1993.

SECTION B. CALIFORNIA LIST APPLICABILITY FOR EPA HAZARDOUS WASTES

Check one or more box(es) below, if applicable (DOES NOT apply to ***newly listed*** wastes).

1. ☐ A D001-D011 liquid[1] or non-liquid waste containing halogenated organic compounds (HOCs) ≥ 1000 ppm as specified 40 CFR §268, Appendix III.
2. ☐ A liquid[1] hazardous waste containing polychlorinated biphenyls (PCBs)[2] ≥ 50 ppm.
3. ☐ A D001-D017 liquid[1] waste containing ≥ 134 mg/l of nickel and/or ≥ 130 mg/l of thallium.
4. ☐ A liquid[1] or non-liquid hazardous waste subject to a National Capacity Variance which meets the definition of a Californ List Waste (Refer to Attachment 1 [page 2] for the California List definition).

[1] To determine whether a waste is liquid or contains ***free liquid***, use the Paint Filter Test (EPA SW-846, Method 9095).
[2] Incineration in a TSCA permitted incinerator (RES (TX) only).

SECTION C. GENERATOR CERTIFICATION (Authorized Representative)

I hereby certify and warrant that all the information supplied on this form and all associated documents represents complete and accurate identification of this waste material.

1. Print or Type Name: DAN OAKLEY
2. Date: 11/9/94
3. Signature: Dan Oakley
4. Title: Project Mgr.

PLEASE NOTE: If your waste already meets relevant treatment standards or your waste is a wastewater or a Appendix IV or Appendix V Lab Pack, please contact your Rollins Sales/Customer Service office for the additional c alternate certification form. For your convenience regional office addresses and phone numbers are listed on th back of Attachment 1.

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Turn to Page

ADDITIONAL LDR NOTIFICATION
• F001-F005, F039

NON-WASTEWA

NOTIFICATION FOR F001-F005 SPENT SOLVENTS

1. Table CCWE - Constituent Concentrations in Waste Extract

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	
Carbon disulfide	4.81	Cyclohexanone	0.75	Methanol	0.75	*PLEASE NOTE:* The treatment sta for these constituents apply to FO F005 wastes which contain only two, or all three of these constitu

2. Table CCW -- Constituent Concentrations in Wastes

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT
Acetone	160	o-Dichlorobenzene	6.2	Methyl isobutyl ketone	33	1,1,2-Trichloroethane
Benzene	3.7	Ethyl acetate	33	Nitrobenzene	14	Trichloroethylene
n-Butylalcohol	2.6	Ethyl benzene	6.0	Pyridine	16	1,1,2-Trichloro-1,2,2-trifluoroethane
Carbon tetrachloride	5.6	Ethyl ether	160	Tetrachloroethylene	5.6	
Chlorobenzene	5.7	Isobutyl alcohol	170	Toluene	28	Trichloromonofluro-methane
Cresol (m- & p-isomers)	3.2	Methylene chloride	33	1,1,1-Trichloro-ethane	5.6	
o-Cresol	5.6	Methyl ethyl ketone	36			Xylene (Total)

NOTIFICATION FOR F039 MULTI-SOURCE LEACHATE

1. Table CCWE -- Constituent Concentrations in Waste Extract

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT
Antimony	0.23	Cadmium	0.066	Mercury	0.025	Silver
Arsenic	5.0	Chromium (Total)	5.2	Nickel	0.32	
Barium	52.0	Lead	0.51	Selenium	5.7	

2. Table CCW - Constituent Concentrations in Wastes

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT
Acetone	160.0	Benzo(a)anthracene	8.2	bis(2-Chloroethoxy) methane	7.2	o,p'-DDD
Acenaphtalene	3.4	Benzo(b)fluoranthene	3.4			p,p'-DDD
Acenaphthene	4.0	Benzo(k)fluoranthene	3.4	bis(2-Chloroethyl) ether	7.2	o,p'-DDE
Acetophenone	9.7	Benzo(g,h,i)perylene	1.5	Chloroform	5.6	p,p'-DDE
2-Acetylaminofluorene	140	Benzo(a)pyrene	8.2	bis(2-Chloroisopropyl) ether	7.2	o,p'-DDT
Acrylonitrile	84	Bromodichloromethane	15	p-Chloro-m-cresol	14	p,p'-DDT
Aldrin	0.066	Bromoform	15	Chloromethane (Methyl chloride)	33	Dibenzo(a,h)anthracene
Aniline	14	Bromomethane (methyl bromide)	15			m-Dichlorobenzene
Anthracene	4.0			2-Chloroaphthalene	5.6	o-Dichlorobenzene
Aroclor 1016	0.92	4-Bromophenyl phenyl ether	15	2-Chlorophenol	5.7	p-Dichlorobenzene
Aroclor 1221	0.92	n-Butyl alcohol	2.6	3-Chloropropene	28	Dichlorodifluoromethane
Aroclor 1232	0.92	Butyl benzylphthalate	7.9	Chrysene	8.2	1,1-Dichloroethane
Aroclor 1242	0.92	2-sec Butyl-4,6 dinitrophenol	2.5	o-Cresol	5.6	1,2-Dichloroethane
Aroclor 1248	0.92			Cresol (m- and p-isomers)	3.2	1,1-Dichloroethylene
Aroclor 1254	1.8	Carbon tetrachloride	5.6	1,2-Dibromo-3-chloropropane	15	trans 1,2-Dichloroethene
Aroclor 1260	1.8	Chlordane	0.13			2,4-Dichlorophenol
alpha-BHC	0.066	p-Chloroaniline	16	1,2-Dibromoethane (Ethylene dibromide)	15	2,6-Dichlorophenol
beta-BHC	0.066	Chlorobenzene	5.7			1,2-Dichloropropane
delta-BHC	0.066	Chlorodibromo-methane	15	Dibromomethane	15	cis 1,3-Dichloropropane
gamma-BHC	0.066					
Benzene	36	Chloroethane	6.0	2,4-Dichlorophenoxyacetic acid (2,4-D)	10	trans 1,3-Dichloropropene
						Dieldrin

ROLLINS ENVIRONMENTAL SERVICES

LAND DISPOSAL RESTRICTION (LDR) NON-WASTEWATER NOTIFICATION

ection A, B, C, & D Completed by Generator (Instructions on Page 2)

SECTION A. GENERATOR NOTIFICATION

1. GENERATOR: LOS ALAMOS NATIONAL LABS 2. EPA I.D. NO.: NM0890010515

3. MANIFEST NO.: 00395498 4. STREAM NO.: HO-79283-22

5. PURSUANT TO 40 CFR §268.7, I am notifying (Check One):

☐ RES (NJ) ☐ RES (LA) ☒ RES (TX) ☐ RES of LA ☐ OPC ☐ TET

that under the above RES Waste Stream number, I am shipping to you one of the following types of waste.

(Check either (a) or (b) only):

a. ☐ A *non-wastewater* (other than contaminated debris) identified by the EPA waste code(s) and subcategory(ies) that I have checked in Section D. of this form. Submit Attachment 1 for F001-F005, F039, and California List wastes only.

b. ☒ A *hazardous debris* waste identified by the EPA waste code(s) and subcategory(ies) that I have checked in Section D. of this form. Submit Attachment 1 for F001-F005, F039, and California List wastes only.

PLEASE NOTE: Hazardous debris is solid material exceeding 60 mm particle size and which contains on its surface or in its pores a waste subject to the Land Disposal Restriction. (Regulatory Reference 40 CFR §268.2 [g] and [h]). The requirement for treatment of hazardous debris pursuant to 40 CFR §268.45 becomes effective May 8, 1993.

SECTION B. CALIFORNIA LIST APPLICABILITY FOR EPA HAZARDOUS WASTES

heck one or more box(es) below, if applicable (DOES NOT apply to *newly listed* wastes).

1. ☐ A D001-D011 liquid[1] or non-liquid waste containing halogenated organic compounds (HOCs) ≥ 1000 ppm as specified in 40 CFR §268, Appendix III.

2. ☐ A liquid[1] hazardous waste containing polychlorinated biphenyls (PCBs)[2] ≥ 50 ppm.

3. ☐ A D001-D017 liquid[1] waste containing ≥ 134 mg/l of nickel and/or ≥ 130 mg/l of thallium.

4. ☐ A liquid[1] or non-liquid hazardous waste subject to a National Capacity Variance which meets the definition of a California List Waste (Refer to Attachment 1 [page 2] for the California List definition).

[1] To determine whether a waste is liquid or contains *free liquid*, use the Paint Filter Test (EPA SW-846, Method 9095).
[2] Incineration in a TSCA permitted incinerator [RES (TX) only].

SECTION C. GENERATOR CERTIFICATION (Authorized Representative)

I hereby certify and warrant that all the information supplied on this form and all associated documents represents a complete and accurate identification of this waste material.

1. Print or Type Name: DAN OAKLEY 2. Date: 9/15/94

3. Signature: Dan Oakley 4. Title: TRANSP MGR

PLEASE NOTE: If your waste already meets relevant treatment standards or your waste is a wastewater or an Appendix IV or Appendix V Lab Pack, please contact your Rollins Sales/Customer Service office for the additional or alternate certification form. For your convenience regional office addresses and phone numbers are listed on the back of Attachment 1.

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Turn to Page 2

SECTION D.
WASTE TREATMENT STANDARD TABLES
NON-WASTEWATER

INSTRUCTIONS

1. After completion of Sections A, B, and C on page 1, check *ALL* EPA waste codes applicable to this waste in Section D provided for you on pages 2, 3, and 4. For any waste codes not listed in Section D, additional space has been provided on page 4.

   PLEASE NOTE: In Section D you are only required to check the applicable EPA waste code listed under Column 1. Columns 2, 3, and 4 have been completed in advance by Rollins Environmental Services in accordance with the Land Disposal Restrictions.

2. Attachment 1, Notification of F001-F005, F039, and California List wastes, should be submitted only for those wastes.

DEFINITIONS
(As Referenced in Waste Treatment Standard Tables)

1. EPA WASTE CODE SUBCATEGORIES:

- A = Anhydrous
- ALK = Alkaline
- C = Corrosive
- CB = Cadmium Battery
- CS = Calcium Sulfate
- E = Explosives
- H = Hydrated
- HM = High Mercury (≥260 mg/kg)
- LB = Lead Acid Battery
- LIQ = Liquid
- LM = Low Mercury (<260 mg/kg)
- NCS = Non-Calcium Sulfate
- OX = Oxidizer
- R = Reactive
- RC = Reactive Cyanides
- RS = Reactive Sulfides
- S = Solid
- TOC = Total Organic Carbon
- WR = Water Reactive
- WW = Wastewater (<1% Total Organic Carbon and < 1% Total Suspended Solids)

2. TECHNOLOGY CODES:

- ADGAS = Venting of Compressed Gases followed by neutralization (INCIN acceptable technology)
- DEACT = Deactivation of hazardous characteristics (INCIN acceptable technology)
- IMERC = Incineration of organics and mercury contaminated waste
- INCIN = Incineration
- STABL = Stabilization

"D" CHARACTERISTIC WASTE CODES
Check All Applicable Waste Co

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH	(4) 40 CFR §268.43 CCW
☐ D001GAS	N.A.	DEACT	N.A.
☐ D001LIQ <10%TOC	N.A.	DEACT	N.A.
☐ D001LIQ >10%TOC	N.A.	INCIN	N.A
☐ D0010X	N.A.	DEACT	N.A.
☐ D001R	N.A.	DEACT	N.A.
☐ D002ACID	N.A.	DEACT	N.A.
☐ D002ALK	N.A.	DEACT	N.A.
☐ D002C	N.A.	DEACT	N.A.
D003E	DO NOT ACCEPT		
☐ D003R	N.A.	DEACT	N.A.
☐ D003RC	N.A.	N.A.	✓
☐ D003RS	N.A.	DEACT	N.A.
☐ D003WR	N.A.	DEACT	N.A.
☐ D004	✓	N.A.	N.A.
☐ D005	✓	N.A.	N.A.
☐ D006	✓	N.A.	N.A.
D006CB	DO NOT ACCEPT		
☐ D007	✓	N.A.	N.A.
D008LB	DO NOT ACCEPT		
☐ D008	✓	N.A.	N.A.
D008HM	DO NOT ACCEPT		
☐ D008LM	✓	N.A.	N.A.
☐ D010	✓	N.A.	N.A.
☐ D011	✓	N.A.	N.A.
☐ D012	N.A.	N.A.	✓
☐ D013	N.A.	N.A.	✓
☐ D014	N.A.	N.A.	✓

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH	40 C §26 C
☐ D015	N.A.	N.A.	
☐ D016	N.A.	N.A	
☐ D017	N.A.	N.A.	
☐ D018	[illegible]		
☐ D019			
☐ D020			
☐ D021			
☐ D022			
☐ D023			
☐ D024			
☐ D025			
☐ D026			
☐ D027			
☐ D028			
☐ D029			
☐ D030			
☐ D031			
☐ D032			
☐ D033			
☐ D034			
☐ D035			
☐ D036			
☐ D037			
☐ D038			
☐ D039			
☐ D040			
☐ D041			
☐ D042			
☐ D043			

"F" LISTED WASTE CODES
Check All Applicable Waste Code

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH	(4) 40 CFR §268.43 CCW
☐ F001*	✓	N.A.	✓
☐ F002*	✓	N.A.	✓
☐ F003*	✓	N.A.	✓
☐ F004*	✓	N.A.	✓
☐ F005*	✓	INCIN**	✓
☐ F006	✓	N.A.	✓
☐ F007	✓	N.A.	✓
☐ F008	✓	N.A.	✓
☐ F009	✓	N.A.	✓
☐ F010	N.A.	N.A.	✓
☐ F011	✓	N.A.	✓
☐ F012	✓	N.A.	✓
☐ F019	✓	N.A.	✓
F020	DO NOT ACCEPT		

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH	(4) 40 C §268. CCV
F021	DO NOT ACCEPT		
F022	DO NOT ACCEPT		
F023	DO NOT ACCEPT		
☐ F024	✓	INCIN	✓
☐ F025	N.A.	N.A.	✓
F026	DO NOT ACCEPT		
F027	DO NOT ACCEPT		
F028	DO NOT ACCEPT		
☐ F032	[illegible]		
☐ F034	[illegible]		
☐ F035	[illegible]		
☐ F037	National Capacity Variance		
☐ F038			
☐ F039*	✓	N.A.	✓

* Submit Attachment 1; see note in CCWE Table for F001-F005.
** INCIN only for 2-Nitropropane, 2-Ethyoxyethanol

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ADDITIONAL LDR NOTIFICATION
F001-F005, F039

ATTACHMENT
NON-WASTEWATE

NOTIFICATION FOR F001-F005 SPENT SOLVENTS

1. Table CCWE - Constituent Concentrations in Waste Extract

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	*PLEASE NOTE:* The treatment standar for these constituents apply to F001-F005 wastes which contain only one, two, or all three of these constituents
Carbon disulfide	4.81	Cyclohexanone	0.75	Methanol	0.75	

2. Table CCW -- Constituent Concentrations in Wastes

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NW CON (mg/l
Acetone	160	o-Dichlorobenzene	6.2	Methyl isobutyl ketone	33	1,1,2-Trichloroethane	7.6
Benzene	3.7	Ethyl acetate	33	Nitrobenzene	14	Trichloroethylene	5.6
n-Butylalcohol	2.6	Ethyl benzene	6.0	Pyridine	16	1,1,2-Trichloro-1,2,2-trifluoroethane	28
Carbon tetrachloride	5.6	Ethyl ether	160	Tetrachloroethylene	5.6		
Chlorobenzene	5.7	Isobutyl alcohol	170	Toluene	28	Trichloromonofluro-methane	33
Cresol (m- & p-isomers)	3.2	Methylene chloride	33	1,1,1-Trichloro-ethane	5.6		
o-Cresol	5.6	Methyl ethyl ketone	36			Xylene (Total)	28

NOTIFICATION FOR F039 MULTI-SOURCE LEACHATE

1. Table CCWE -- Constituent Concentrations in Waste Extract

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWV CONC (mg/
Antimony	0.23	Cadmium	0.066	Mercury	0.025	Silver	0.07
senic	5.0	Chromium (Total)	5.2	Nickel	0.32		
ium	52.0	Lead	0.51	Selenium	5.7		

2. Table CCW - Constituent Concentrations in Wastes

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWV CONC (mg/k
Acetone	160.0	Benzo(a)anthracene	8.2	bis(2-Chloroethoxy) methane	7.2	o,p'-DDD	0.087
Acenaphtalene	3.4	Benzo(b)fluoranthene	3.4			p,p'-DDD	0.087
Acenaphthene	4.0	Benzo(k)fluoranthene	3.4	bis(2-Chloroethyl) ether	7.2	o,p'-DDE	0.087
Acetophenone	9.7	Benzo(g,h,i)perylene	1.5	Chloroform	5.6	p,p'-DDE	0.087
2-Acetylaminofluorene	140	Benzo(a)pyrene	8.2	bis(2-Chloroisopropyl) ether	7.2	o,p'-DDT	0.087
Acrylonitrile	84	Bromodichloromethane	15	p-Chloro-m-cresol	14	p,p'-DDT	0.087
Aldrin	0.066	Bromoform	15	Chloromethane (Methyl chloride)	33	Dibenzo(a,h)anthracene	8.2
Aniline	14	Bromomethane (methyl bromide)	15			m-Dichlorobenzene	6.2
Anthracene	4.0			2-Chloroaphthalene	5.6	o-Dichlorobenzene	6.2
Aroclor 1016	0.92	4-Bromophenyl phenyl ether	15	2-Chlorophenol	5.7	p-Dichlorobenzene	6.2
Aroclor 1221	0.92	n-Butyl alcohol	2.6	3-Chloropropene	28	Dichlorodifluoromethane	7.2
Aroclor 1232	0.92	Butyl benzylphthalate	7.9	Chrysene	8.2	1,1-Dichloroethane	7.2
Aroclor 1242	0.92	2-sec Butyl-4,6 dinitrophenol	2.5	o-Cresol	5.6	1,2-Dichloroethane	7.2
Aroclor 1248	0.92			Cresol (m- and p-isomers)	3.2	1,1-Dichloroethylene	33
Aroclor 1254	1.8	Carbon tetrachloride	5.6	1,2-Dibromo-3-chloropropane	15	trans 1,2-Dichloroethene	33
Aroclor 1260	1.8	Chlordane	0.13			2,4-Dichlorophenol	14
alpha-BHC	0.066	p-Chloroaniline	16	1,2-Dibromoethane (Ethylene dibromide)	15	2,6-Dichlorophenol	14
a-BHC	0.066	Chlorobenzene	5.7			1,2-Dichloropropane	18
r-BHC	0.066	Chlorodibromo-methane	15	Dibromomethane	15	cis 1,3-Dichloropropane	18
gamma-BHC	0.066			2,4-Dichlorophenoxyacetic acid (2,4-D)	10	trans 1,3-Dichloropropene	18
Benzene	36	Chloroethane	6.0			Dieldrin	0.13

WASTE DATA FORM

COPY

Container # : C94043968	WMC : PREWETT KERRY
	Z # : 099185
WDR # : 1007119	Phone : 57020
	TA : 54
DIS/TRE # : 94390	Building : 70
	Room : OUTSIDE

NON RCRA STORAGE ONLY

WASTE GENERATED OR ACCUMULATED IN A RADIOACTIVE MATERIALS MANAGEMENT AREA: NO

Shipping Name : HAZARDOUS WASTE, SOLID, N.O.S. (1,1,1-TRICHLOROETHANE)

Hazard Class : 9 DOT ID# : NA3077 Packing Group : III

Secondary Label :

Technical Name :

Additional Desc :

ERG# : 31

Haz Substance : LSA/SCO Group :

Waste Code : C0 - CHEMICAL WASTE	Other Con # : LAN-3968-94
Storage Code : UNSTOR	Container Type : OT Volume : 21M
RGN # : 17	Container Gross Wgt: Net Wgt : 10002p
Treat/Disp Loc : DP	Reviewed By : 095169
Transported By : CET	Data Entry By : 107695
	DOT Check By :
Other Document : 00395505	
AreaG/J Loc :	Picked Up By/Date&Time: 112056 / 09-NOV-94 09:00
	Load Check By/Date :
Treat/Disp By: RES	Pickup Update Check By :
Treat/Disp Date: 09-NOV-94	
	Off-Site Check By/Date :
TSDF Date : 14-NOV-94	
Destruction # :	Update By/Date : 107695 / 02-DEC-94
Destruction Date :	Final Update Check By :

Item 47603 : ASPHALT & SOIL FROM AREA L ELECTRIC UPGRADE

Generator : GONZALES JOSEPH A **Group** : CST7 **Phone** : 77579

WPN : 9334 **Phy_state:** S **Volume** : 21 M **Weight** : 10000 P

EPA Code : F002 1,1,1-TRICHLOROETHANE

TEXAS WATER COMMISSION
P.O. Box 13087, Capitol Station
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039. expires 09

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N M 0 8 9 0 0 1 0 5 1 5 Manifest Document No. 9 4 3 9 0

2. Page 1 of 1

Information in the shaded are is not required by Federal la

3. Generator's Name and Mailing Address
In Emergency see box # 15
LOS ALAMOS NATIONAL LABORATORY
P.O. BOX 1663 MS J593
LOS ALAMOS, NM 87545-

4. Generator's Phone ((505)667-7579 ATTN: DAN OAKLEY

A. State Manifest Document Number 00395505

B. State Generator's ID 99935

5. Transporter 1 Company Name
~~CUSTOM ENVIRONMENTAL TRANSPORT~~ TEXAS CUSTOM ENVIRONMENTAL

6. US EPA ID Number ~~D E D 9 8 0 9 1 8 8 5 8~~ DED 981916 6

C. State Transporter's ID 40810

D. Transporter's Phone (302) 426-295

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID 40786

F. Transporter's Phone (713) 930 4

9. Designated Facility Name and Site Address
ROLLINS ENVIRONMENTAL SERVICE (TX), INC
2027 BATTLEGROUND ROAD
DEER PARK, TX 77536

10. US EPA ID Number T X D 0 5 5 1 4 1 3 7 8

G. State Facility's ID ~~HW50089001~~

H. Facility's Phone 713-930-2300

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	a. Hazardous waste, solid, n.o.s., (1,1,1-trichloroethane), 9, NA3077, PG III	0 0 1	C M	01000 ~~1 0 0 0 0~~	P	D035 F001
	b. NON-REGULATED WASTE, SOLID	0 0 1	C M	11720 ~~0 4 0 0 0~~	P	D035 F011
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
11a) HO-079283-21 F002
11b) HO-079283-21, soil
11c)
11d)

K. Handling Codes for Wastes Listed Above
M043

15. Special Handling Instructions and Additional Information Use protective gear when handling waste. Avoid inhalation, ingestion, and skin contact. In emergency call Chemtrec at 1-800-424-9300, mention 'Labpack'. If undeliverable return to generator. B.O.L.# D.O.T. Emergency Response #'s 11a. 31 11b. LANL EMERGENCY # 505-667-6211

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: Dan Oakley — Signature: Dan Oakley — Month 11 Day 9 Year 9

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Bill M Geaslin — Signature: [illegible] — Date: Month 11 Day 9 Year 9

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Charles Richard Almond — Signature: Charles Almond — Date: Month 11 Day 10 Year 9

FACILITY

19. Discrepancy Indication Space

RECEIVED NOV 28 1994

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: TOMMY WALDO — Signature: Tommy Waldo — Date: Month 11 Day 14 Year 9

TWC-0311 (Rev. 01/21/93) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

COPIES OF OFF-SITE PAPERWORK FOR LANL

DATE: 11/9/94

CHECK OFF OR N/A

MANIFESTS ✓
MANIFEST ASSIGNMENT ✓
LDR FORMS ✓
~~DATA FORMS~~
CYLINDER SURVEY SHEETS X
CYLINDER CONTROL SHEET X
RAD. CERT. ✓
TRACKING DOC. ✓
PCB CONTINUATION SHEET X

CHECK OFF WHEN COPIES ARE DONE.
WRITE N/A WHEN COPIES ARE NOT NEEDED.(e.g. PCB CONTINUATION SHEETS ON A NON-PCB LOAD)

SIGNATURE

ROLLINS
ENVIRONMENTAL SERVICES

LAND D POSAL RESTRICTION (LDI
NON-WASTEWATER NOTIFICATION

Section A, B, C, & D Completed by Generator (Instructions on Page 2)

SECTION A. GENERATOR NOTIFICATION

1. GENERATOR: Los Alamos National Laboratory
2. EPA I.D. NO.: NM0890010515
3. MANIFEST NO.: TX 00395525
4. STREAM NO.: HO.79283-22
5. PURSUANT TO 40 CFR §268.7, I am notifying (Check One):

☐ RES (NJ) ☐ RES (LA) ☒ RES (TX) ☐ RES of LA ☐ OPC ☐ TET

that under the above RES Waste Stream number, I am shipping to you one of the following types of waste.

(Check either (a) or (b) only):

a. ☒ A *non-wastewater* (other than contaminated debris) identified by the EPA waste code(s) and subcategory(ies) that have checked in Section D. of this form. Submit Attachment 1 for F001-F005, F039, and California List wastes only.

b. ☐ A *hazardous debris* waste identified by the EPA waste code(s) and subcategory(ies) that I have checked in Section D. (this form. Submit Attachment 1 for F001-F005, F039, and California List wastes only.

PLEASE NOTE: Hazardous debris is solid material exceeding 60 mm particle size and which contains on its surface or its pores a waste subject to the Land Disposal Restriction. (Regulatory Reference 40 CFR §268.2 [g] and [h]). Tr requirement for treatment of hazardous debris pursuant to 40 CFR §268.45 becomes effective May 8, 1993.

SECTION B. CALIFORNIA LIST APPLICABILITY FOR EPA HAZARDOUS WASTES

Check one or more box(es) below, if applicable (DOES NOT apply to ***newly listed*** wastes).

1. ☐ A D001-D011 liquid[1] or non-liquid waste containing halogenated organic compounds (HOCs) ≥ 1000 ppm as specified 40 CFR §268, Appendix III.
2. ☐ A liquid[1] hazardous waste containing polychlorinated biphenyls (PCBs)[2] ≥ 50 ppm.
3. ☐ A D001-D017 liquid[1] waste containing ≥ 134 mg/l of nickel and/or ≥ 130 mg/l of thallium.
4. ☐ A liquid[1] or non-liquid hazardous waste subject to a National Capacity Variance which meets the definition of a Californ List Waste (Refer to Attachment 1 [page 2] for the California List definition).

[1] To determine whether a waste is liquid or contains ***free liquid***, use the Paint Filter Test (EPA SW-846, Method 9095).
[2] Incineration in a TSCA permitted incinerator (RES (TX) only).

SECTION C. GENERATOR CERTIFICATION (Authorized Representative)

I hereby certify and warrant that all the information supplied on this form and all associated documents represents complete and accurate identification of this waste material.

1. Print or Type Name: DAN OAKLEY
2. Date: 11/9/94
3. Signature: Dan Oakley
4. Title: Project Mgr.

PLEASE NOTE: If your waste already meets relevant treatment standards or your waste is a wastewater or a Appendix IV or Appendix V Lab Pack, please contact your Rollins Sales/Customer Service office for the additional c alternate certification form. For your convenience regional office addresses and phone numbers are listed on th back of Attachment 1.

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ADDITIONAL LDR NOTIFICATION
F001-F005, F039

NON-WASTEWA

NOTIFICATION FOR F001-F005 SPENT SOLVENTS

1. Table CCWE - Constituent Concentrations in Waste Extract

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	
Carbon disulfide	4.81	Cyclohexanone	0.75	Methanol	0.75	*PLEASE NOTE:* The treatment st for these constituents apply to F0 F005 wastes which contain only two, or all three of these constitu

2. Table CCW -- Constituent Concentrations in Wastes

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT
Acetone	160	o-Dichlorobenzene	6.2	Methyl isobutyl ketone	33	1,1,2-Trichloroethane
Benzene	3.7	Ethyl acetate	33	Nitrobenzene	14	Trichloroethylene
n-Butylalcohol	2.6	Ethyl benzene	6.0	Pyridine	16	1,1,2-Trichloro-1,2,2-trifluoroethane
Carbon tetrachloride	5.6	Ethyl ether	160	Tetrachloroethylene	5.6	
Chlorobenzene	5.7	Isobutyl alcohol	170	Toluene	28	Trichloromonofluro-methane
Cresol (m- & p-isomers)	3.2	Methylene chloride	33	1,1,1-Trichloro-ethane	5.6	
o-Cresol	5.6	Methyl ethyl ketone	36			Xylene (Total)

NOTIFICATION FOR F039 MULTI-SOURCE LEACHATE

1. Table CCWE -- Constituent Concentrations in Waste Extract

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT
Antimony	0.23	Cadmium	0.066	Mercury	0.025	Silver
Arsenic	5.0	Chromium (Total)	5.2	Nickel	0.32	
Barium	52.0	Lead	0.51	Selenium	5.7	

2. Table CCW - Constituent Concentrations in Wastes

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT
Acetone	160.0	Benzo(a)anthracene	8.2	bis(2-Chloroethoxy) methane	7.2	o,p'-DDD
Acenaphtalene	3.4	Benzo(b)fluoranthene	3.4			p,p'-DDD
Acenaphthene	4.0	Benzo(k)fluoranthene	3.4	bis(2-Chloroethyl) ether	7.2	o,p'-DDE
Acetophenone	9.7	Benzo(g,h,i)perylene	1.5	Chloroform	5.6	p,p'-DDE
2-Acetylaminofluorene	140	Benzo(a)pyrene	8.2	bis(2-Chloroisopropyl) ether	7.2	o,p'-DDT
Acrylonitrile	84	Bromodichloromethane	15	p-Chloro-m-cresol	14	p,p'-DDT
Aldrin	0.066	Bromoform	15	Chloromethane (Methyl chloride)	33	Dibenzo(a,h)anthracene
Aniline	14	Bromomethane (methyl bromide)	15			m-Dichlorobenzene
Anthracene	4.0			2-Chloroaphthalene	5.6	o-Dichlorobenzene
Aroclor 1016	0.92	4-Bromophenyl phenyl ether	15	2-Chlorophenol	5.7	p-Dichlorobenzene
Aroclor 1221	0.92	n-Butyl alcohol	2.6	3-Chloropropene	28	Dichlorodifluoromethane
Aroclor 1232	0.92	Butyl benzylphthalate	7.9	Chrysene	8.2	1,1-Dichloroethane
Aroclor 1242	0.92	2-sec Butyl-4,6 dinitrophenol	2.5	o-Cresol	5.6	1,2-Dichloroethane
Aroclor 1248	0.92			Cresol (m- and p-isomers)	3.2	1,1-Dichloroethylene
Aroclor 1254	1.8	Carbon tetrachloride	5.6	1,2-Dibromo-3-chloropropane	15	trans 1,2-Dichloroethene
Aroclor 1260	1.8	Chlordane	0.13			2,4-Dichlorophenol
alpha-BHC	0.066	p-Chloroaniline	16	1,2-Dibromoethane (Ethylene dibromide)	15	2,6-Dichlorophenol
beta-BHC	0.066	Chlorobenzene	5.7			1,2-Dichloropropane
delta-BHC	0.066	Chlorodibromo-methane	15	Dibromomethane	15	cis 1,3-Dichloropropane
gamma-BHC	0.066			2,4-Dichlorophenoxyacetic acid (2,4-D)	10	trans 1,3-Dichloropropene
Benzene	36	Chloroethane	6.0			Dieldrin

WASTE DATA FORM

COPY

Container # : C94043965	WMC : PREWETT KERRY Z # : 099185 Phone : 57020
WDR # : 1007119	TA : 54 Building : 70 Room : OUTSIDE
DIS/TRE # : 94294	

NON RCRA STORAGE ONLY

WASTE GENERATED OR ACCUMULATED IN A RADIOACTIVE MATERIALS MANAGEMENT AREA: NO

Shipping Name : HAZARDOUS WASTE, SOLID, N.O.S. (1,1,1-TRICHLOROETHANE)

Hazard Class : 9 DOT ID# : NA3077 Packing Group : III

Secondary Label :

Technical Name :

Additional Desc :

ERG# : 31

Haz Substance :

LSA/SCO Group :

Waste Code : C0 - CHEMICAL WASTE Storage Code : UNSTOR RGN # : 17	Other Con # : Container Type : OT Volume : 21M Container Gross Wgt: Net Wgt : 33126p
Treat/Disp Loc : DP Transported By : CET Other Document : 00395496 AreaG/J Loc : Treat/Disp By: RES Treat/Disp Date: 30-AUG-94 TSDF Date : 02-SEP-94 Destruction # : Destruction Date :	Reviewed By : 095169 Data Entry By : 107695 DOT Check By : Picked Up By/Date&Time: 112056 / 30-AUG-94 00:00 Load Check By/Date : Pickup Update Check By : Off-Site Check By/Date : Update By/Date : 107695 / 13-SEP-94 Final Update Check By :

Item 45086 : ASPHALT & SOIL FROM AREA L ELECTRIC UPGRADE

Generator : GONZALES JOSEPH A **Group** : CST7 **Phone** : 77579

WPN : 9334 **Phy_state:** S **Volume** : 21 M **Weight** : 33120 P

EPA Code : F002 1,1,1-TRICHLOROETHANE

COPIES OF OFF-SITE PAPERWORK FOR LANL

DATE: 8-30-94

CHECK OFF OR N/A

MANIFESTS ✓ ✓
MANIFEST ASSIGNMENT ✓ ✓
LDR FORMS ✓ ✓
~~DATA FORMS~~
CYLINDER SURVEY SHEETS N/A
CYLINDER CONTROL SHEET N/A
RAD. CERT. ✓ ✓
TRACKING DOC. ✓ ✓
PCB CONTINUATION SHEET N/A

CHECK OFF WHEN COPIES ARE DONE.
WRITE N/A WHEN COPIES ARE NOT NEEDED.(e.g. PCB CONTINUATION SHEETS ON A NON-PCB LOAD)

SIGNATURE Cary Campbell
Jim Barnard

TEXAS WATER COMMISSION
P.O. Box 13087, Capitol Station
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039, expires 09-

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N M 0 8 9 0 0 1 0 5 1 5 | Manifest Document No. 9 4 2 9 4

2. Page 1 of 1

Information in the shaded are is not required by Federal la

3. Generator's Name and Mailing Address
In Emergency see box # 15
LOS ALAMOS NATIONAL LABORATORY
P.O. BOX 1663 MS J593
LOS ALAMOS, NM 87545-

4. Generator's Phone ((505)667-7579 ATTN: DAN OAKLEY

A. State Manifest Document Number 00395496

B. State Generator's ID 99935

5. Transporter 1 Company Name: CUSTOM ENVIRONMENTAL TRANSPORT

6. US EPA ID Number: D E D 9 8 0 9 1 8 8 5 8

C. State Transporter's ID 4 0 7 5 6

D. Transporter's Phone (713)930-458

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
ROLLINS ENVIRONMENTAL SERVICES (TX), INC.
2027 BATTLEGROUND ROAD
DEER PARK, TX 77536

10. US EPA ID Number: T X D 0 5 5 1 4 1 3 7 8

G. State Facility's ID ~~HW-50089-001~~

H. Facility's Phone (713)930-2300

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	L Waste No.
X	a. Hazardous waste, solid, n.o.s., (1,1,1-trichloroethane), 9, NA3077, PG III	0 0 1	C	~~M 2 8 0 0 0~~ 33120	P	OUTS301H
	b.			8 bpM		
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
11a) H079283-22, F002, ROLL-OFF BINS WITH ASPHALT AND SOIL
11b)
11c)
11d)

K. Handling Codes for Wastes Listed Above
M043

15. Special Handling Instructions and Additional Information
Use protective gear when handling waste. Avoid inhalation, ingestion, and skin contact. In emergency call Chemtrec at 1-800-424-9300, mention 'Labpack'. If undeliverable return to generator. B.O.L.#
D.O.T. Emergency Response #'s 11a. 31
LANL EMERGENCY # 505-667-6211

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: Dan Oakley | Signature: Dan Oakley | Month Day Year: 8 30 94

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: L. JONES | Signature: L. Jones | Date: Month Day Year: 0 8 30 94

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

RECEIVED SEP 13 1994

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
RES (TX) INC.
Printed/Typed Name: Paul Mun | Signature | Date: Month Day Year: 9 10 24 94

TWC-0311 (Rev. 01/21/93) White - original Pink - TSD Facility Yellow - Transporter Green - Generator's first copy

ROLLINS ENVIRONMENTAL SERVICES

22 LAND DISPOSAL RESTRICTION (LI NON-WASTEWATER NOTIFICATIO

Section A, B, C, & D Completed by Generator (Instructions on Page 2)

SECTION A. GENERATOR NOTIFICATION

1. GENERATOR: Los Alamos National Laboratory 2. EPA I.D. NO.: NM0890010515

3. MANIFEST NO.: 003954496 4. STREAM NO.: H279283-22

5. PURSUANT TO 40 CFR §268.7, I am notifying (Check One):

☐ RES (NJ) ☐ RES (LA) ☒ RES (TX) ☐ RES of LA ☐ OPC ☐ TET

that under the above RES Waste Stream number, I am shipping to you one of the following types of waste.

(Check either (a) or (b) only):

a. ☒ A *non-wastewater* (other than contaminated debris) identified by the EPA waste code(s) and subcategory(ies) th have checked in Section D. of this form. Submit Attachment 1 for F001-F005, F039, and California List wastes only

b. ☐ A *hazardous debris* waste identified by the EPA waste code(s) and subcategory(ies) that I have checked in Section D. this form. Submit Attachment 1 for F001-F005, F039, and California List wastes only.

PLEASE NOTE: Hazardous debris is solid material exceeding 60 mm particle size and which contains on its surface o its pores a waste subject to the Land Disposal Restriction. (Regulatory Reference 40 CFR §268.2 [g] and [h]). requirement for treatment of hazardous debris pursuant to 40 CFR §268.45 becomes effective May 8, 1993.

SECTION B. CALIFORNIA LIST APPLICABILITY FOR EPA HAZARDOUS WASTES

Check one or more box(es) below, if applicable (DOES NOT apply to *newly listed* wastes).

1. ☐ A D001-D011 liquid[1] or non-liquid waste containing halogenated organic compounds (HOCs) ≥ 1000 ppm as specified 40 CFR §268, Appendix III.

2. ☐ A liquid[1] hazardous waste containing polychlorinated biphenyls (PCBs)[2] ≥ 50 ppm.

3. ☐ A D001-D017 liquid[1] waste containing ≥ 134 mg/l of nickel and/or ≥ 130 mg/l of thallium.

4. ☐ A liquid[1] or non-liquid hazardous waste subject to a National Capacity Variance which meets the definition of a Califor List Waste (Refer to Attachment 1 [page 2] for the California List definition).

[1] To determine whether a waste is liquid or contains *free liquid*, use the Paint Filter Test (EPA SW-846, Method 9095).
[2] Incineration in a TSCA permitted incinerator [RES (TX) only].

SECTION C. GENERATOR CERTIFICATION (Authorized Representative)

I hereby certify and warrant that all the information supplied on this form and all associated documents represents complete and accurate identification of this waste material.

1. Print or Type Name: Dan Oakley 2. Date: 8/30/94

3. Signature: Dan Oakley 4. Title: Project Mgr

PLEASE NOTE: If your waste already meets relevant treatment standards or your waste is a wastewater or Appendix IV or Appendix V Lab Pack, please contact your Rollins Sales/Customer Service office for the additional alternate certification form. For your convenience regional office addresses and phone numbers are listed on th back of Attachment 1.

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SECTION D: WASTE TREATMENT STANDARD TABLES
NON-WASTEWATER

INSTRUCTIONS

1. After completion of Sections A, B, and C on page 1, check *ALL* EPA waste codes applicable to this waste in Section D provided for you on pages 2, 3, and 4. For any waste codes not listed in Section D, additional space has been provided on page 4.

   PLEASE NOTE: In Section D you are only required to check the applicable EPA waste code listed under Column 1. Columns 2, 3, and 4 have been completed in advance by Rollins Environmental Services in accordance with the Land Disposal Restrictions.

2. Attachment 1, Notification of F001-F005, F039, and California List wastes, should be submitted only for those wastes.

DEFINITIONS
(As Referenced in Waste Treatment Standard Tables)

1. EPA WASTE CODE SUBCATEGORIES:

- A = Anhydrous
- ALK = Alkaline
- C = Corrosive
- CB = Cadmium Battery
- CS = Calcium Sulfate
- E = Explosives
- H = Hydrated
- HM = High Mercury (≥260 mg/kg)
- LB = Lead Acid Battery
- LIQ = Liquid
- LM = Low Mercury (<260 mg/kg)
- NCS = Non-Calcium Sulfate
- OX = Oxidizer
- R = Reactive
- RC = Reactive Cyanides
- RS = Reactive Sulfides
- S = Solid
- TOC = Total Organic Carbon
- WR = Water Reactive
- WW = Wastewater (<1% Total Organic Carbon and < 1% Total Suspended Solids)

2. TECHNOLOGY CODES:

- ADGAS = Venting of Compressed Gases followed by neutralization (INCIN acceptable technology)
- DEACT = Deactivation of hazardous characteristics (INCIN acceptable technology)
- IMERC = Incineration of organics and mercury contaminated waste
- INCIN = Incineration
- STABL = Stabilization

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH	(4) 40 CFR §268.43 CCW
☐ D001GAS	N.A.	DEACT	N.A.
☐ D001LIQ <10%TOC	N.A.	DEACT	N.A.
☐ D001LIQ >10%TOC	N.A.	INCIN	N.A.
☐ D001OX	N.A.	DEACT	N.A.
☐ D001R	N.A.	DEACT	N.A.
☐ D002ACID	N.A.	DEACT	N.A.
☐ D002ALK	N.A.	DEACT	N.A.
☐ D002C	N.A.	DEACT	N.A.
[illegible]			
☐ D003R	N.A.	DEACT	N.A.
☐ D003RC	N.A.	N.A.	✓
☐ D003RS	N.A.	DEACT	N.A.
☐ D003WR	N.A.	DEACT	N.A.
☐ D004	✓	N.A.	N.A.
☐ D005	✓	N.A.	N.A.
☐ D006	✓	N.A.	N.A.
[illegible]			
☐ D007	✓	N.A.	N.A.
[illegible]			
☐ D008	✓	N.A.	N.A.
[illegible]			
☐ D009LM	✓	N.A.	N.A.
☐ D010	✓	N.A.	N.A.
☐ D011	✓	N.A.	N.A.
☐ D012	N.A.	N.A.	✓
☐ D013	N.A.	N.A.	✓
☐ D014	N.A.	N.A.	✓

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH
☐ D015	N.A.	N.A.
☐ D016	N.A.	N.A.
☐ D017	N.A.	N.A.
☐ D018		
☐ D019		
☐ D020		
☐ D021		
☐ D022		
☐ D023		
☐ D024		
☐ D025		
☐ D026		
☐ D027		
☐ D028		
☐ D029		
☐ D030		
☐ D031		
☐ D032		
☐ D033		
☐ D034		
☐ D035		
☐ D036		
☐ D037		
☐ D038		
☐ D039		
☐ D040		
☐ D041		
☐ D042		
☐ D043		

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH	(4) 40 CFR §268.43 CCW
☐ F001*	✓	N.A.	✓
☒ F002*	✓	N.A.	✓
☐ F003*	✓	N.A.	✓
☐ F004*	✓	N.A.	✓
☐ F005*	✓	INCIN**	✓
☐ F006	✓	N.A.	✓
☐ F007	✓	N.A.	✓
☐ F008	✓	N.A.	✓
☐ F009	✓	N.A.	✓
☐ F010	N.A.	N.A.	✓
☐ F011	✓	N.A.	✓
☐ F012	✓	N.A.	✓
☐ F019	✓	N.A.	✓

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH
[illegible]		
[illegible]		
[illegible]		
[illegible]		
☐ F024	✓	INCIN
☐ F026	N.A.	N.A.
[illegible]		
[illegible]		
[illegible]		
☐ F032		
☐ F034		
☐ F036		
☐ F037	National Capacity Variance	
☐ F038		
☐ F039*	✓	N.A.

* Submit Attachment 1; see note in CCWE Table for F001-F005.
** INCIN only for 2-Nitropropane, 2-Ethyoxyethanol

Turn to F

...TIONAL LDR NOTIFICATION
F001-F005, F039

ATTACHMENT
NON-WASTEWATE

NOTIFICATION FOR F001-F005 SPENT SOLVENTS

1. Table CCWE - Constituent Concentrations in Waste Extract

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	
Carbon disulfide	4.81	Cyclohexanone	0.75	Methanol	0.75	*PLEASE NOTE:* The treatment standa for these constituents apply to F001-F005 wastes which contain only one, two, or all three of these constituents

2. Table CCW – Constituent Concentrations in Wastes

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NW CON (mg/
Acetone	160	o-Dichlorobenzene	6.2	Methyl isobutyl ketone	33	1,1,2-Trichloroethane	7.6
Benzene	3.7	Ethyl acetate	33	Nitrobenzene	14	Trichloroethylene	5.6
n-Butylalcohol	2.6	Ethyl benzene	6.0	Pyridine	16	1,1,2-Trichloro-1,2,2-trifluoroethane	28
Carbon tetrachloride	5.6	Ethyl ether	160	Tetrachloroethylene	5.6		
Chlorobenzene	5.7	Isobutyl alcohol	170	Toluene	28	Trichloromonofluro-methane	33
Cresol (m- & p-isomers)	3.2	Methylene chloride	33	1,1,1-Trichloro-ethane	5.6		
o-Cresol	5.6	Methyl ethyl ketone	36			Xylene (Total)	28

NOTIFICATION FOR F039 MULTI-SOURCE LEACHATE

1. Table CCWE – Constituent Concentrations in Waste Extract

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC (mg/l
Antimony	0.23	Cadmium	0.066	Mercury	0.025	Silver	0.072
Arsenic	5.0	Chromium (Total)	5.2	Nickel	0.32		
m	52.0	Lead	0.51	Selenium	5.7		

2. Table CCW - Constituent Concentrations in Wastes

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC (mg/kg
Acetone	160.0	Benzo(a)anthracene	8.2	bis(2-Chloroethoxy) methane	7.2	o,p'-DDD	0.087
Acenaphtalene	3.4	Benzo(b)fluoranthene	3.4			p,p'-DDD	0.087
Acenaphthene	4.0	Benzo(k)fluoranthene	3.4	bis(2-Chloroethyl) ether	7.2	o,p'-DDE	0.087
Acetophenone	9.7	Benzo(g,h,i)perylene	1.5	Chloroform	5.6	p,p'-DDE	0.087
2-Acetylaminofluorene	140	Benzo(a)pyrene	8.2	bis(2-Chloroisopropyl) ether	7.2	o,p'-DDT	0.087
Acrylonitrile	84	Bromodichloromethane	15	p-Chloro-m-cresol	14	p,p'-DDT	0.087
Aldrin	0.066	Bromoform	15	Chloromethane (Methyl chloride)	33	Dibenzo(a,h)anthracene	8.2
Aniline	14	Bromomethane (methyl bromide)	15			m-Dichlorobenzene	6.2
Anthracene	4.0			2-Chloroaphthalene	5.6	o-Dichlorobenzene	6.2
Aroclor 1016	0.92	4-Bromophenyl phenyl ether	15	2-Chlorophenol	5.7	p-Dichlorobenzene	6.2
Aroclor 1221	0.92	n-Butyl alcohol	2.6	3-Chloropropene	28	Dichlorodifluoromethane	7.2
Aroclor 1232	0.92	Butyl benzylphthalate	7.9	Chrysene	8.2	1,1-Dichloroethane	7.2
Aroclor 1242	0.92	2-sec Butyl-4,6 dinitrophenol	2.5	o-Cresol	5.6	1,2-Dichloroethane	7.2
Aroclor 1248	0.92			Cresol (m- and p-isomers)	3.2	1,1-Dichloroethylene	33
Aroclor 1254	1.8	Carbon tetrachloride	5.6	1,2-Dibromo-3-chloropropane	15	trans 1,2-Dichloroethene	33
Aroclor 1260	1.8	Chlordane	0.13			2,4-Dichlorophenol	14
alpha-BHC	0.066	p-Chloroaniline	16	1,2-Dibromoethane (Ethylene dibromide)	15	2,6-Dichlorophenol	14
beta-BHC	0.066	Chlorobenzene	5.7			1,2-Dichloropropane	18
delta-BHC	0.066	Chlorodibromo-methane	15	Dibromomethane	15	cis 1,3-Dichloropropane	18
gamma-BHC	0.066			2,4-Dichlorophenoxyacetic acid (2,4-D)	10	trans 1,3-Dichloropropene	18
Benzene	36	Chloroethane	6.0			Dieldrin	0.13

WASTE DATA FORM

COPY

Container # : C94043966	WMC : PREWETT KERRY
	Z # : 099185
	Phone : 57020
WDR # : 1007119	TA : 54
	Building : 70
DIS/TRE # : 94304	Room : OUTSIDE

NON RCRA STORAGE ONLY

WASTE GENERATED OR ACCUMULATED IN A RADIOACTIVE MATERIALS MANAGEMENT AREA: NO

Shipping Name : HAZARDOUS WASTE, SOLID, N.O.S. (1,1,1-TRICHLOROETHANE)

Hazard Class : 9 DOT ID# : NA3077 Packing Group : III

Secondary Label :

Technical Name :

Additional Desc :

ERG# : 31

Haz Substance : LSA/SCO Group :

Waste Code : C0 - CHEMICAL WASTE	Other Con # :
Storage Code : UNSTOR	Container Type : OT Volume : 21M
RGN # : 17	Container Gross Wgt: Net Wgt : 30166p
Treat/Disp Loc : DP	Reviewed By : 095169
Transported By : CET	Data Entry By : 107695
	DOT Check By :
Other Document : 00395497	
AreaG/J Loc :	Picked Up By/Date&Time: 112056 / 30-AUG-94 10:00
	Load Check By/Date :
Treat/Disp By: RES	Pickup Update Check By :
Treat/Disp Date: 30-AUG-94	
	Off-Site Check By/Date :
TSDF Date : 02-SEP-94	
Destruction # :	Update By/Date : 107695 / 13-SEP-94
Destruction Date :	Final Update Check By :

Item 45085 : ASPHALT & SOIL FROM AREA L ELECTRIC UPGRADE

Generator : GONZALES JOSEPH A **Group** : CST7 **Phone** : 77579

WPN : 9334 **Phy_state:** S **Volume** : 21 M **Weight** : 30160 P

EPA Code : F002 1,1,1-TRICHLOROETHANE

'TEXAS' WATER COMMISSION
P.O. Box 13087, Capitol Station
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039, expires 09/30

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N M 0 8 9 0 0 1 0 5 1 5 | Manifest Document No. 9 4 3 0 4

2. Page 1 of 1

Information in the shaded area is not required by Federal law

3. Generator's Name and Mailing Address
In Emergency see box # 15
LOS ALAMOS NATIONAL LABORATORY
P.O. BOX 1663 MS J593
LOS ALAMOS, NM 87545-

4. Generator's Phone ((505)667-7579 ATTN: DAN OAKLEY

A. State Manifest Document Number: 00395497

B. State Generator's ID: 99935

5. Transporter 1 Company Name: CUSTOM ENVIRONMENTAL TRANSPORT

6. US EPA ID Number: D F D 9 8 0 9 1 8 8 5 8

C. State Transporter's ID: 4 0 7 5 6

D. Transporter's Phone: (713)930-4500

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
ROLLINS ENVIRONMENTAL SERVICES (TX), INC.
2027 BATTLEGROUND ROAD
DEER PARK, TX 77536

10. US EPA ID Number: T X D 0 5 5 1 4 1 3 7 8

G. State Facility's ID: HW-50089-001

H. Facility's Phone: (713)930-2300

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	a. Hazardous waste, solid, n.o.s., (1,1,1-TRICHLOROETHANE), 9, NA3077, PG III	0 0 1	C M	35840 30160	P	D001,D040,F002
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
11a) HU79283-22,F002,ROLL-OFF BINS WITH ASPHALT AND SOIL
11b)
11c)
11d)

K. Handling Codes for Wastes Listed Above: M043

15. Special Handling Instructions and Additional Information Use protective gear when handling waste. Avoid inhalation, ingestion, and skin contact. In emergency call Chemtrec at 1-800-424-9300, mention 'Labpack', if undeliverable return to generator. B.O.L.# D.O.T. Emergency Response #'s 11a. 31
LANL EMERGENCY # 505-667-6211

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: DAN OAKLEY | Signature: Dan Oakley | Month Day Year: 8 30 94

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: ED DEININGER | Signature: Ed Deininger | Date: Month Day Year: 8 30 94

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space
PER MY TELEPHONE CONVERSATION WITH DAN OAKLEY THE ABOVE QUANTITY HAS BEEN CHANGED TO REFLECT THE ACTUAL AMOUNT RECEIVED AT RES (TX) INC.
RECEIVED SEP 13 1994
9/6/94 Kim Mayes

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
RES(TX) INC
Printed/Typed Name: Ed Baca | Signature: Ed Baca | Date: Month Day Year: 9 10 94

GENERATOR / TRANSPORTER / FACILITY

TWC-0311 (Rev. 01/21/93) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

ROLLINS ENVIRONMENTAL SERVICES

LAND DISPOSAL RESTRICTION (L
NON-WASTEWATER NOTIFICATI(

Section A, B, C, & D Completed by Generator (Instructions on Page 2)

SECTION A. GENERATOR NOTIFICATION

1. GENERATOR: Los Alamos National Laboratory
2. EPA I.D. NO.: NM0890010515
3. MANIFEST NO.: OD 3954997
4. STREAM NO.: HO79283-22
5. PURSUANT TO 40 CFR §268.7, I am notifying (Check One):

☐ RES (NJ) ☐ RES (LA) ☒ RES (TX) ☐ RES of LA ☐ OPC ☐ TET

that under the above RES Waste Stream number, I am shipping to you one of the following types of waste.

(Check either (a) or (b) only):

a. ☒ A ***non-wastewater*** (other than contaminated debris) identified by the EPA waste code(s) and subcategory(ies) have checked in Section D. of this form. Submit Attachment 1 for F001-F005, F039, and California List wastes c

b. ☐ A ***hazardous debris*** waste identified by the EPA waste code(s) and subcategory(ies) that I have checked in Sectio this form. Submit Attachment 1 for F001-F005, F039, and California List wastes only.

PLEASE NOTE: Hazardous debris is solid material exceeding 60 mm particle size and which contains on its surfac its pores a waste subject to the Land Disposal Restriction. (Regulatory Reference 40 CFR §268.2 [g] and [h]: requirement for treatment of hazardous debris pursuant to 40 CFR §268.45 becomes effective May 8, 1993.

SECTION B. CALIFORNIA LIST APPLICABILITY FOR EPA HAZARDOUS WASTES

Check one or more box(es) below, if applicable.(DOES NOT apply to ***newly listed*** wastes).

1. ☐ A D001-D011 liquid[1] or non-liquid waste containing halogenated organic compounds (HOCs) ≥ 1000 ppm as spec 40 CFR §268, Appendix III.
2. ☐ A liquid[1] hazardous waste containing polychlorinated biphenyls (PCBs)[2] ≥ 50 ppm.
3. ☐ A D001-D017 liquid[1] waste containing ≥ 134 mg/l of nickel and/or ≥ 130 mg/l of thallium.
4. ☐ A liquid[1] or non-liquid hazardous waste subject to a National Capacity Variance which meets the definition of a Ca List Waste (Refer to Attachment 1 [page 2] for the California List definition).

[1] To determine whether a waste is liquid or contains ***free liquid***, use the Paint Filter Test (EPA SW-846, Method 90
[2] Incineration in a TSCA permitted incinerator [RES (TX) only].

SECTION C. GENERATOR CERTIFICATION (Authorized Representative)

I hereby certify and warrant that all the information supplied on this form and all associated documents repres complete and accurate identification of this waste material.

1. Print or Type Name: Dan Oakley
2. Date: 8/30/
3. Signature: Dan Oakley
4. Title: Project Mgr

PLEASE NOTE: If your waste already meets relevant treatment standards or your waste is a wastewater Appendix IV or Appendix V Lab Pack, please contact your Rollins Sales/Customer Service office for the additi alternate certification form. For your convenience regional office addresses and phone numbers are listed back of Attachment 1.

© *Rollins Environmental Services (Sales) Inc. 1992*

Turn t

TION D.
ASTE TREATMENT STANDARD TABLES
ON-WASTEWATER

INSTRUCTIONS

1. After completion of Sections A, B, and C on page 1, check *ALL* EPA waste codes applicable to this waste in Section D provided for you on pages 2, 3, and 4. For any waste codes not listed in Section D, additional space has been provided on page 4.

   PLEASE NOTE: In Section D you are only required to check the applicable EPA waste code listed under Column 1. Columns 2, 3, and 4 have been completed in advance by Rollins Environmental Services in accordance with the Land Disposal Restrictions.

2. Attachment 1, Notification of F001-F005, F039, and California List wastes, should be submitted only for those wastes.

DEFINITIONS

(As Referenced in Waste Treatment Standard Tables)

1. EPA WASTE CODE SUBCATEGORIES:

- A = Anhydrous
- ALK = Alkaline
- C = Corrosive
- CB = Cadmium Battery
- CS = Calcium Sulfate
- E = Explosives
- H = Hydrated
- HM = High Mercury (≥260 mg/kg)
- LB = Lead Acid Battery
- LIQ = Liquid
- LM = Low Mercury (<260 mg/kg)
- NCS = Non-Calcium Sulfate
- OX = Oxidizer
- R = Reactive
- RC = Reactive Cyanides
- RS = Reactive Sulfides
- S = Solid
- TOC = Total Organic Carbon
- WR = Water Reactive
- WW = Wastewater (<1% Total Organic Carbon and < 1% Total Suspended Solids)

2. TECHNOLOGY CODES:

- ADGAS = Venting of Compressed Gases followed by neutralization (INCIN acceptable technology)
- DEACT = Deactivation of hazardous characteristics (INCIN acceptable technology)
- IMERC = Incineration of organics and mercury contaminated waste
- INCIN = Incineration
- STABL = Stabilization

"D" CHARACTERISTIC WASTE CODES

Check All Applicable W

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH	(4) 40 CFR §268.43 CCW
☐ D001GAS	N.A.	DEACT	N.A.
☐ D001LIQ <10%TOC	N.A.	DEACT	N.A.
☐ D001LIQ >10%TOC	N.A.	INCIN	N.A
☐ D001OX	N.A.	DEACT	N.A.
☐ D001R	N.A.	DEACT	N.A.
☐ D002ACID	N.A.	DEACT	N.A.
☐ D002ALK	N.A.	DEACT	N.A.
☐ D002C	N.A.	DEACT	N.A.
D003E	DO NOT ACCEPT		
☐ D003R	N.A.	DEACT	N.A.
☐ D003RC	N.A.	N.A.	✓
☐ D003RS	N.A.	DEACT	N.A.
☐ D003WR	N.A.	DEACT	N.A.
☐ D004	✓	N.A.	N.A.
☐ D005	✓	N.A.	N.A.
☐ D006	✓	N.A.	N.A.
D006CS	DO NOT ACCEPT		
☐ D007	✓	N.A.	N.A.
D008LB	DO NOT ACCEPT		
☐ D008	✓	N.A.	N.A.
D009HM	DO NOT ACCEPT		
☐ D009LM	✓	N.A.	N.A.
☐ D010	✓	N.A.	N.A.
☐ D011	✓	N.A.	N.A.
☐ D012	N.A.	N.A.	✓
☐ D013	N.A.	N.A.	✓
☐ D014	N.A.	N.A.	✓

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(2) 40 CF §268.- TECH
☐ D015	N.A.	N.A.
☐ D016	N.A.	N.A
☐ D017	N.A.	N.A.
☐ D018		
☐ D019		
☐ D020		
☐ D021		
☐ D022		
☐ D023		
☐ D024		
☐ D025		
☐ D026		
☐ D027		
☐ D028		
☐ D029		
☐ D030		
☐ D031		
☐ D032		
☐ D033		
☐ D034		
☐ D035		
☐ D036		
☐ D037		
☐ D038		
☐ D039		
☐ D040		
☐ D041		
☐ D042		
☐ D043		

NEWLY LIS

WASTE

Not Currently Rec

Under

Land Disposal Rec

"F" LISTED WASTE CODES

Check All Applicable Waste

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH	(4) 40 CFR §268.43 CCW
☐ F001*	✓	N.A.	✓
☒ F002*	✓	N.A.	✓
☐ F003*	✓	N.A.	✓
☐ F004*	✓	N.A.	✓
☐ F005*	✓	INCIN**	✓
☐ F006	✓	N.A.	✓
☐ F007	✓	N.A.	✓
☐ F008	✓	N.A.	✓
☐ F009	✓	N.A.	✓
☐ F010	N.A.	N.A.	✓
☐ F011	✓	N.A.	✓
☐ F012	✓	N.A.	✓
☐ F019	✓	N.A.	✓
F020	DO NOT ACCEPT		

(1) EPA CODE NUMBER	(2) 40 CFR §268.41 CCWE	(3) 40 CFR §268.42 TECH
F021	DO NOT ACCEP	
F022	DO NOT ACCEP	
F023	DO NOT ACCEP	
☐ F024	✓	INCIN
☐ F025	N.A.	N.A.
F026	DO NOT ACCEP	
F027	DO NOT ACCEPT	
F028	DO NOT ACCEPT	
☐ F032	NEWLY LISTED WA	
☐ F034	Not Currently Regula	
☐ F036	Under Land Disposal Restrico	
☐ F037	National Capacity Variance	
☐ F038		
☐ F039*	✓	N.A.

* Submit Attachment 1; see note in CCWE Table for F001-F005.
** INCIN only for 2-Nitropropane, 2-Ethyoxyethanol

TIONAL LDR NOTIFICATION
F001-F005, F039

ATTACHMEI
NON-WASTEWA

NOTIFICATION FOR F001-F005 SPENT SOLVENTS

1. Table CCWE - Constituent Concentrations in Waste Extract

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	
Carbon disulfide	4.81	Cyclohexanone	0.75	Methanol	0.75	*PLEASE NOTE:* The treatment st for these constituents apply to F- F005 wastes which contain on two, or all three of these constit

2. Table CCW -- Constituent Concentrations in Wastes

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT
Acetone	160	o-Dichlorobenzene	6.2	Methyl isobutyl ketone	33	1,1,2-Trichloroethane
Benzene	3.7	Ethyl acetate	33	Nitrobenzene	14	Trichloroethylene
n-Butylalcohol	2.6	Ethyl benzene	6.0	Pyridine	16	1,1,2-Trichloro-1,2,2-trifluoroethane
Carbon tetrachloride	5.6	Ethyl ether	160	Tetrachloroethylene	5.6	
Chlorobenzene	5.7	Isobutyl alcohol	170	Toluene	28	Trichloromonofluro-methane
Cresol (m- & p-isomers)	3.2	Methylene chloride	33	1,1,1-Trichloro-ethane	5.6	
o-Cresol	5.6	Methyl ethyl ketone	36			Xylene (Total)

NOTIFICATION FOR F039 MULTI-SOURCE LEACHATE

1. Table CCWE -- Constituent Concentrations in Waste Extract

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/l)	REGULATED HAZARDOUS CONSTITUENT
Antimony	0.23	Cadmium	0.066	Mercury	0.025	Silver
rsenic	5.0	Chromium (Total)	5.2	Nickel	0.32	
Barium	52.0	Lead	0.51	Selenium	5.7	

2. Table CCW - Constituent Concentrations in Wastes

REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT	NWW CONC. (mg/kg)	REGULATED HAZARDOUS CONSTITUENT
Acetone	160.0	Benzo(a)anthracene	8.2	bis(2-Chloroethoxy) methane	7.2	o,p'-DDD
Acenaphtalene	3.4	Benzo(b)fluoranthene	3.4			p,p'-DDD
Acenaphthene	4.0	Benzo(k)fluoranthene	3.4	bis(2-Chloroethyl) ether	7.2	o,p'-DDE
Acetophenone	9.7	Benzo(g,h,i)perylene	1.5	Chloroform	5.6	p,p'-DDE
2-Acetylaminofluorene	140	Benzo(a)pyrene	8.2	bis(2-Chloroisopropyl) ether	7.2	o,p'-DDT
Acrylonitrile	84	Bromodichloromethane	15	p-Chloro-m-cresol	14	p,p'-DDT
Aldrin	0.066	Bromoform	15	Chloromethane (Methyl chloride)	33	Dibenzo(a,h)anthracene
Aniline	14	Bromomethane (methyl bromide)	15			m-Dichlorobenzene
Anthracene	4.0			2-Chloroaphthalene	5.6	o-Dichlorobenzene
Aroclor 1016	0.92	4-Bromophenyl phenyl ether	15	2-Chlorophenol	5.7	p-Dichlorobenzene
Aroclor 1221	0.92	n-Butyl alcohol	2.6	3-Chloropropene	28	Dichlorodifluoromethane
Aroclor 1232	0.92	Butyl benzylphthalate	7.9	Chrysene	8.2	1,1-Dichloroethane
Aroclor 1242	0.92	2-sec Butyl-4,6 dinitrophenol	2.5	o-Cresol	5.6	1,2-Dichloroethane
Aroclor 1248	0.92			Cresol (m- and p-isomers)	3.2	1,1-Dichloroethylene
Aroclor 1254	1.8	Carbon tetrachloride	5.6	1,2-Dibromo-3-chloropropane	15	trans 1,2-Dichloroethene
Aroclor 1260	1.8	Chlordane	0.13			2,4-Dichlorophenol
lpha-BHC	0.066	p-Chloroaniline	16	1,2-Dibromoethane (Ethylene dibromide)	15	2,6-Dichlorophenol
beta-BHC	0.066	Chlorobenzene	5.7			1,2-Dichloropropane
delta-BHC	0.066	Chlorodibromo-methane	15	Dibromomethane	15	cis 1,3-Dichloropropane
gamma-BHC	0.066			2,4-Dichlorophenoxyacetic acid (2,4-D)	10	trans 1,3-Dichloropropene
Benzene	36	Chloroethane	6.0			Dieldrin

WASTE DATA FORM

COPY

Container # : C94043967	WMC : PREWETT KERRY Z # : 099185 Phone : 57020
WDR # : 1007119	TA : 54 Building : 70 Room : OUTSIDE
DIS/TRE # : 94323	

NON RCRA STORAGE ONLY
WASTE GENERATED OR ACCUMULATED IN A RADIOACTIVE MATERIALS MANAGEMENT AREA: NO

Shipping Name : HAZARDOUS WASTE, SOLID, N.O.S. (1,1,1-TRICHLOROETHANE)

Hazard Class : 9 DOT ID# : NA3077 Packing Group : III
Secondary Label :
Technical Name :
Additional Desc :
ERG# : 31
Haz Substance : LSA/SCO Group :

Waste Code : C0 - CHEMICAL WASTE	Other Con # : LAN-3967-94
Storage Code : UNSTOR	Container Type : OT Volume : 21M
RGN # : 17	Container Gross Wgt: Net Wgt : 33006p
Treat/Disp Loc : DP	Reviewed By : 095169
Transported By : CET	Data Entry By : 107695
	DOT Check By :
Other Document : 00395498	
AreaG/J Loc :	Picked Up By/Date&Time: 112056 / 14-SEP-94 10:00
	Load Check By/Date :
Treat/Disp By: RES	Pickup Update Check By :
Treat/Disp Date: 15-SEP-94	
	Off-Site Check By/Date :
TSDF Date : 17-SEP-94	
Destruction # :	Update By/Date : 107695 / 28-SEP-94
Destruction Date :	Final Update Check By :

Item 45392 : ASPHALT & SOIL FROM AREA L ELECTRIC UPGRADE
Generator : GONZALES JOSEPH A **Group** : CST7 **Phone** : 77579
WPN : 9334 **Phy_state: S** **Volume** : 21 M **Weight** : 33000 P
EPA Code : F002 1,1,1-TRICHLOROETHANE

TO: FILE
FROM: LOUISE GARCIA
TITLE: OFF-SITE TO DEER PARK TX

OFFSITE DATE: 15-SEP-94
DTID#: 94323
MANIFEST: 00395498

COUNT	GENID#	CONID#	RES#	DESCRIPTION	VOL(M3)	WGT(KG)
1	1007119	C94043967	LAN-3967	ASPHALT & SOIL FROM AREA L ELECTRIC UPGR	21.0000	14968.8

*** TOTAL WEIGHT 14,968.80 KILOGRAMS ***

*** TOTAL VOLUME 21.00 CUBIC METERS ***

TEXAS WATER COMMISSION
P.O. Box 13087, Capitol Station
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039, expires 09/30/9

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NM0890010515 | Manifest Document No. 94323 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
LOS ALAMOS NATIONAL LABORATORY
P.O. BOX 1663 MS J593
LOS ALAMOS, NM 87545-
In Emergency see box # 15

4. Generator's Phone ((505)667-7579 ATTN: DAN OAKLEY

A. State Manifest Document Number 00395498
B. State Generator's ID 99935

5. Transporter 1 Company Name: CUSTOM ENVIRONMENTAL TRANSPORT
6. US EPA ID Number: DED980918858
C. State Transporter's ID 40755
D. Transporter's Phone (713)930-4500

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
ROLLINS ENVIRONMENTAL SERVICES (TX), INC.
2027 BATTLEGROUND ROAD
DEER PARK, TX 77536
10. US EPA ID Number: TXD055141378
G. State Facility's ID HW-50089-001
H. Facility's Phone (713)930-2300

11A HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
X	a. Hazardous waste, solid, n.o.s., (1,1,1-TRICALOROETHANE), 9, NA3077, PG III	001	CM	36520	P	D035
	b.					
	c.					
	d.					

9/15/94

J. Additional Descriptions for Materials Listed Above
11a) HO79283-22, F002, ROLL-OFF BINS FILLED WITH ASPHALT AND SOIL
11b)
11c)
11d)

K. Handling Codes for Wastes Listed Above
M043

15. Special Handling Instructions and Additional Information: Use protective gear when handling waste. Avoid inhalation, ingestion, and skin contact. In emergency call Chemtrec at 1-800-424-9300, mention 'Labpack'. If undeliverable return to generator. B.O.L.# D.H.T. Emergency Response #'s 11a. 31
LANL EMERGENCY # 505-667-6211

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Dan Oakley | Signature: Dan Oakley | Month Day Year: 9/15/94

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: HARRY JONES | Signature: Harry Jones | Date: Month Day Year 09/15/94

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space

RECEIVED SEP 27 1994

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: RES (TX) INC | Signature | Date: Month Day Year

C-0311 (Rev. 01/21/93) White - original

M E M O R A N D U M:

To: John Tymkowych, RCRA Insp./Enf. Program Manager

From: ML Michael Le Scouarnec, RCRA Inspector

Date: September 5, 1997

Re: Asphalt @ TA-54

I investigated area L and area G staff in connection with the asphalt from the existing SWMU (new dome located at area L, dome 215).

Juan Corpion had received and read the July 22, 1994 Benito Garcia's letter issued to Joseph Vozella prior to the summer of 1995.

The broken asphalt was reused in backfilling the future dome. Some asphalt from the perimeter of the dome and from the road (trenches to upgrade electrical systems), (see figure), were transported to area G and placed in a rubble pile.

According to Larman Everett's statement, approximately 30 cubic yards of the excess asphalt from area L was hauled to an <u>existing</u> rubble pile in area G. Juan Corpion authorized the asphalt to be moved.

The asphalt remained there for a period of time where additional dirt and debris were added to it. Carlos Padilla and Stephen Francis statements indicate that 3 to 4 single axle dump truck loads of asphalt and dirt were brought into pit 37 and 3 to 4 other dump truck loads were trucked to the Los Alamos County Landfill for disposal. There is still some asphalt mixed with dirt in area G.

Based on a review of my notes and compilation of personal interview statements, I have concluded that a willful disregard for HRMB's May 1994 directive, the New Mexico Hazardous Waste Regulations (20 NMAC 4.1) and the New Mexico Hazardous Waste Act has occurred and that there is cause for referral to the Attorney General for criminal investigation.

TRACKING #: 4631950 PRIORITY: 10
PROFILE #: DATE RECD: 4/21/94
GENERATOR: LOS ALAMOS NATIONAL LABORATORY
WASTE CATEGORY CODE: 19
DESCRIPT: CE[illegible] (ASPHALT)

Sample # 54-L-1 Asphalt

CHEMICAL WASTE MANAGEMENT / WESTERN REGION LABORATORY
P.O.BOX 4249, MODESTO, CA 95352 PHONE (209)527-4050

CERTIFICATE OF ANALYSIS

DILUTION FACTOR: 2.5 REPORT DATE: 04/22/94

VOLATILE ORGANIC BY GC/MS, EPA METHOD 8260

ANALYTE	RESULT (Ug/Kg)	DET.LIMIT (Ug/Kg)
Dichlorodifluoromethane	ND	12.5
Trichlorofluoromethane	ND	12.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	12.5
Chloroform	ND	12.5
1,1,1-Trichloroethane	15.0	12.5
~~Trichloroethene~~ → Trichloroethylene	12.8	12.5
~~Tetrachloroethene~~ → perchloroethylene	223	12.5
Toluene	ND	12.5

ND = NOT DETECTED

ANALYST APPROVED Ali Khalaj REVIEWER APPROVED [illegible] 4-22-94

TRACKING #: PRIORITY: 10
PROFILE #: DATE RECD:
GENERATOR: LOS ALAMOS NATIONAL LABORATORY
WASTE CATEGORY CODE:
DESCRIPTION:

54-L-1 Soil

CHEMICAL WASTE MANAGEMENT / WESTERN REGION LABORATORY
P.O.BOX 4249, MODESTO, CA 95352 PHONE (209)527-4050

CERTIFICATE OF ANALYSIS

DILUTION FACTOR: 1 REPORT DATE: 04/22/94

VOLATILE ORGANIC BY GC/MS, EPA METHOD 8260

ANALYTE	RESULT (Ug/Kg)	DET.LIMIT (Ug/Kg)
Dichlorodifluoromethane	ND	5.00
Trichlorofluoromethane	ND	5.00
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.00
Chloroform	ND	5.00
1,1,1-Trichloroethane	ND (a)	5.00
~~Trichloroethene~~ Trichloroethylene	ND (a)	5.00
~~Tetrachloroethene~~ Perchloroethylene	57.0	5.00
Toluene	ND	5.00

ND = NOT DETECTED
(a) = Below Limit of quantitation

ANALYST APPROVED

REVIEWER APPROVED 4-22-94

TRACKING #: [illegible] PRIORITY: [illegible]
PROFILE #: DATE RECD: [illegible]
GENERATOR: LOS ALAMOS NATIONAL LABORATORY
WASTE CATEGORY CODE: [illegible]
DESCRIPT: CST-7-[illegible] ASPHALT
54 L 2 Asphalt

CHEMICAL WASTE MANAGEMENT / WESTERN REGION LABORATORY
P.O.BOX 4249, MODESTO, CA 95352 PHONE (209)527-4050

CERTIFICATE OF ANALYSIS

DILUTION FACTOR: 1 REPORT DATE: 04/22/94

VOLATILE ORGANIC BY GC/MS, EPA METHOD 8260

ANALYTE	RESULT (Ug/Kg)	DET.LIMIT (Ug/Kg)
Dichlorodifluoromethane	ND	5.00
Trichlorofluoromethane	ND	5.00
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.00
Chloroform	5.28	5.00
1,1,1-Trichloroethane	* 299	5.00
~~Trichloroethane~~ trichloroethylene	197	5.00
~~Tetrachloroethane~~ perchloroethylene	2160	500
Toluene	ND	5.00

ND = NOT DETECTED

* = Result value for 1,1,1-Trichloroethane exceed calibration limit.

ANALYST APPROVED Ali Khalaj

REVIEWER APPROVED [illegible] 4-22-94

TRAN[illegible] #: [illegible] PRIORITY: 1
PROFILE #: DATE RECD: [illegible]
GENERATOR: LOS ALAMOS NATIONAL LABORATOR
WASTE CATEGORY CODE: [illegible]
DESCRIPT: [illegible]

S4-L-2 Soil

CHEMICAL WASTE MANAGEMENT / WESTERN REGION LABORATORY
P.O.BOX 4249, MODESTO, CA 95352 PHONE (209)527-4050

CERTIFICATE OF ANALYSIS

DILUTION FACTOR:1 REPORT DATE: 04/22/94

VOLATILE ORGANIC BY GC/MS, EPA METHOD 8260

ANALYTE	RESULT (Ug/Kg)	DET.LIMIT (Ug/Kg)
Dichlorodifluoromethane	ND	5.00
Trichlorofluoromethane	ND	5.00
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.00
Chloroform	ND	5.00
1,1,1-Trichloroethane	ND	5.00
~~Trichloroethane~~ Trichloroethylene	ND (a)	5.00
~~Tetrachloroethane~~ Perchloroethylene	11.4	5.00
Toluene	ND	5.00

ND = NOT DETECTED
(a) = Present but below limit of quantitation

ANALYST APPROVED Ali Kharazi

REVIEWER APPROVED [illegible] 4-22-94

TRACKING #: -265955 PRIORITY: 1
PROFILE #: DATE RECD: 4.21/94
GENERATOR: LOS ALAMOS NATIONAL LABORATORY
WASTE CATEGORY CODE: U
DESCRIPT: CRT-[illegible] (REFUNDS)
S4-L-3 asphalt

CHEMICAL WASTE MANAGEMENT / WESTERN REGION LABORATORY
P.O.BOX 4249, MODESTO, CA 95352 PHONE (209)527-4050

CERTIFICATE OF ANALYSIS

DILUTION FACTOR: 10 REPORT DATE: 04/22/94

VOLATILE ORGANIC BY GC/MS, EPA METHOD 8260

ANALYTE	RESULT (Ug/Kg)	DET.LIMIT (Ug/Kg)
Dichlorodifluoromethane	ND	50.0
Trichlorofluoromethane	ND	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	50.0
Chloroform	ND	50.0
1,1,1-Trichloroethane	449	50.0
~~Trichloroethene~~ trichloroethylene	378	50.0
~~Tetrachloroethene~~ perchloroethylene	2430	50.0
Toluene	ND	50.0

ND = NOT DETECTED

ANALYST APPROVED Ali Khassy

REVIEWER APPROVED [signature] 4-22-94

TRACKING #: [illegible] PRIORITY: .
PROFILE #: DATE REC'D: [illegible]
GENERATOR: LOS ALAMOS NATIONAL LABORATORY
WASTE DATABASE CODE: [illegible]
DESCRIPT: [illegible]

54-L-3 Soil

CHEMICAL WASTE MANAGEMENT / WESTERN REGION LABORATORY
P.O.BOX 4249, MODESTO, CA 95352 PHONE (209)527-4050

CERTIFICATE OF ANALYSIS

DILUTION FACTOR:1 REPORT DATE: 04/22/94

VOLATILE ORGANIC BY GC/MS. EPA METHOD 8260

ANALYTE	RESULT (Ug/Kg)	DET.LIMIT (Ug/Kg)
Dichlorodifluoromethane	ND	5.00
Trichlorofluoromethane	ND	5.00
1.1.2-Trichloro-1,2,2-trifluoroethane	ND	5.00
Chloroform	ND(a)	5.00
1,1,1-Trichloroethane	45.5	5.00
~~Trichloroethene~~ Trichloroethylene	156	5.00
~~Tetrachloroethene~~ Perchloroethylene	10.1	5.00
Toluene	ND	5.00

ND = NOT DETECTED
(a) = Present but below limit of quantitation.

ANALYST APPROVED Ali Khaiaji

REVIEWER APPROVED [signature] 4-22-94

TRACKING #: [illegible] PRIORITY: [illegible]
PROFILE #: DATE RECD: [illegible]
GENERATOR: LOS ALAMOS NATIONAL LABORATORY
WASTE CATEGORY: CODE: [illegible]
DESCRIPT: [illegible]

54-W-1 soil 54 west

CHEMICAL WASTE MANAGEMENT / WESTERN REGION LABORATORY
P.O.BOX 4249, MODESTO, CA 95352 PHONE (209)527-4050

CERTIFICATE OF ANALYSIS

DILUTION FACTOR:1 REPORT DATE: 04/22/94

VOLATILE ORGANIC BY GC/MS, EPA METHOD 8260

ANALYTE	RESULT (Ug/Kg)	DET.LIMIT (Ug/Kg)
Dichlorodifluoromethane	ND	5.00
Trichlorofluoromethane	ND	5.00
1.1.2-Trichloro-1,2,2-trifluoroethane	ND	5.00
Chloroform	ND	5.00
1,1,1-Trichloroethane	ND	5.00
~~Trichloroethane~~ Trichloroethylene	ND	5.00
~~Tetrachloroethane~~ Perchloroethylene	ND	5.00
Toluene	ND	5.00

ND = NOT DETECTED

ANALYST APPROVED [signature]

REVIEWER APPROVED [signature] 4-22-94

TRACKING #: 4835652 PRIORITY: 1
PROFILE #: DATE RECD: 4.21.94
GENERATOR: LOS ALAMOS NATIONAL LABORATORY
WASTE CATEGORY CODE: UR
DESCRIPT: CST-7-[illegible] (ASPHALT)

54 w-1 Asphalt

54 west

CHEMICAL WASTE MANAGEMENT / WESTERN REGION LABORATORY
P.O.BOX 4249, MODESTO, CA 95352 PHONE (209)527-4050

CERTIFICATE OF ANALYSIS

DILUTION FACTOR: 1 REPORT DATE: 04/22/94

VOLATILE ORGANIC BY GC/MS, EPA METHOD 8260

ANALYTE	RESULT (Ug/Kg)	DET.LIMIT (Ug/Kg)
Dichlorodifluoromethane	ND	5.00
Trichlorofluoromethane	ND	5.00
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.00
Chloroform	ND	5.00
1,1,1-Trichloroethane	ND	5.00
~~Trichloroethene~~ Trichloroethylene	ND	5.00
~~Tetrachloroethane~~ Perchloroethylene	ND	5.00
Toluene	ND	5.00

ND = NOT DETECTED

ANALYST APPROVED Ali Khamoj

REVIEWER APPROVED [illegible] 4-22-94

TRACKING #: 4002950 PRIORITY: 10
PROFILE #: DATE RECD: 4/21/94
GENERATOR: LOS ALAMOS NATIONAL LABORATORY
WASTE CATEGORY CODE: 10
DESCRIPT: CE[illegible] ASPHALT.

Sample # 54-L-1 Asphalt

CHEMICAL WASTE MANAGEMENT / WESTERN REGION LABORATORY
P.O.BOX 4249, MODESTO, CA 95352 PHONE (209)527-4050

CERTIFICATE OF ANALYSIS

DILUTION FACTOR: 2.5 REPORT DATE: 04/22/94

VOLATILE ORGANIC BY GC/MS, EPA METHOD 8260

ANALYTE	RESULT (Ug/Kg)	DET.LIMIT (Ug/Kg)
Dichlorodifluoromethane	ND	12.5
Trichlorofluoromethane	ND	12.5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	12.5
Chloroform	ND	12.5
1,1,1-Trichloroethane	15.0	12.5
~~Trichloroethene~~ → Trichloroethylene	12.8	12.5
~~Tetrachloroethene~~ → perchloroethylene	223	12.5
Toluene	ND	12.5

ND = NOT DETECTED

ANALYST APPROVED Ali Khaliq

REVIEWER APPROVED [illegible] Jr. 4-22-94

TRACKING #: [illegible] PRIORITY: 10
PROFILE #: DATE RECD: [illegible]
GENERATOR: LOS ALAMOS NATIONAL LABORATORY
WASTE CATEGORY CODE: [illegible]
DESCRIPTION: [illegible]

54-L-1 Soil

CHEMICAL WASTE MANAGEMENT / WESTERN REGION LABORATORY
P.O.BOX 4249, MODESTO, CA 95352 PHONE (209)527-4050

CERTIFICATE OF ANALYSIS

DILUTION FACTOR: 1 REPORT DATE: 04/22/94

VOLATILE ORGANIC BY GC/MS, EPA METHOD 8260

ANALYTE	RESULT (Ug/Kg)	DET.LIMIT (Ug/Kg)
Dichlorodifluoromethane	ND	5.00
Trichlorofluoromethane	ND	5.00
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.00
Chloroform	ND	5.00
1,1,1-Trichloroethane	ND (a)	5.00
~~Trichloroethene~~ Trichloroethylene	ND (a)	5.00
~~Tetrachloroethene~~ Perchloroethylene	57.0	5.00
Toluene	ND	5.00

ND = NOT DETECTED
(a) = Below Limit of quantitation

ANALYST APPROVED [signature]

REVIEWER APPROVED [signature] 4-22-94

TRACKING #: [illegible] PRIORITY: [illegible]
PROFILE #: DATE RECD: [illegible]
GENERATOR: LOS ALAMOS NATIONAL LABORATORY
WASTE CATEGORY CODE: [illegible]
DESCRIPT: CST-[illegible]
54 L 2 Asphalt

CHEMICAL WASTE MANAGEMENT / WESTERN REGION LABORATORY
P.O.BOX 4249, MODESTO, CA 95352 PHONE (209)527-4050

CERTIFICATE OF ANALYSIS

DILUTION FACTOR: 1 REPORT DATE: 04/22/94

VOLATILE ORGANIC BY GC/MS, EPA METHOD 8260

ANALYTE	RESULT (Ug/Kg)	DET.LIMIT (Ug/Kg)
Dichlorodifluoromethane	ND	5.00
Trichlorofluoromethane	ND	5.00
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.00
Chloroform	5.28	5.00
1,1,1-Trichloroethane	* 299	5.00
~~Trichloroethene~~ trichloroethylene	197	5.00
~~Tetrachloroethene~~ perchloroethylene	2160	500
Toluene	ND	5.00

ND = NOT DETECTED

* = Result value for 1,1,1-Trichloroethane exceed calibration limit.

ANALYST APPROVED Ali Khaliq

REVIEWER APPROVED [illegible] 4-22-94

TRAN[illegible] #: [illegible] PRIORITY: 1
PROFILE #: DATE REC'D: [illegible]
GENERATOR: LOS ALAMOS NATIONAL LABORATORY
WASTE CATEGORY CODE: [illegible]
DESCRIPT: [illegible]

S4-L-2 Soil

CHEMICAL WASTE MANAGEMENT / WESTERN REGION LABORATORY
P.O.BOX 4249, MODESTO, CA 95352 PHONE (209)527-4050

CERTIFICATE OF ANALYSIS

DILUTION FACTOR:1 REPORT DATE: 04/22/94

VOLATILE ORGANIC BY GC/MS, EPA METHOD 8260

ANALYTE	RESULT (Ug/Kg)	DET.LIMIT (Ug/Kg)
Dichlorodifluoromethane	ND	5.00
Trichlorofluoromethane	ND	5.00
1,1,2-Trichloro-1.2.2-trifluoroethane	ND	5.00
Chloroform	ND	5.00
1,1,1-Trichloroethane	ND	5.00
~~Trichloroethene~~ Trichloroethylene	ND (a)	5.00
~~Tetrachloroethene~~ Perchloroethylene	11.4	5.00
Toluene	ND	5.00

ND = NOT DETECTED
(a) = Present but below limit of quantitation

ANALYST APPROVED Ali Kharazi

REVIEWER APPROVED [signature] 4-22-94

TRACKING #: [illegible] PRIORITY: 1[illegible]
PROFILE #: DATE RECD: [illegible]
GENERATOR: LOS ALAMOS NATIONAL LABORATORY
WASTE CATEGORY CODE: U[illegible]
DESCRIPT: CRT-[illegible] ~~[illegible]~~
54-4-3 Asphalt

CHEMICAL WASTE MANAGEMENT / WESTERN REGION LABORATORY
P.O.BOX 4249, MODESTO, CA 95352 PHONE (209)527-4050

CERTIFICATE OF ANALYSIS

DILUTION FACTOR: 10 REPORT DATE: 04/22/94

VOLATILE ORGANIC BY GC/MS, EPA METHOD 8260

ANALYTE	RESULT (Ug/Kg)	DET.LIMIT (Ug/Kg)
Dichlorodifluoromethane	ND	50.0
Trichlorofluoromethane	ND	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	50.0
Chloroform	ND	50.0
1,1,1-Trichloroethane	449	50.0
~~Trichloroethene~~ Trichloroethylene	378	50.0
~~Tetrachloroethene~~ perchloroethylene	2430	50.0
Toluene	ND	50.0

ND = NOT DETECTED

ANALYST APPROVED Ali Khassj

REVIEWER APPROVED [illegible] Jr. 4-22-94

TRACKING #: 4258752 PRIORITY: .
PROFILE #: DATE REC'D: 4/21/94
GENERATOR: LOS ALAMOS NATIONAL LABORATORY
WASTE CATEGORY CODE: UA
DESCRIPT: CST-7-[illegible]

54-L-3 Soil

CHEMICAL WASTE MANAGEMENT / WESTERN REGION LABORATORY
P.O.BOX 4249, MODESTO, CA 95352 PHONE (209)527-4050

CERTIFICATE OF ANALYSIS

DILUTION FACTOR:1 REPORT DATE: 04/22/94

VOLATILE ORGANIC BY GC/MS. EPA METHOD 8260

ANALYTE	RESULT (Ug/Kg)	DET.LIMIT (Ug/Kg)
Dichlorodifluoromethane	ND	5.00
Trichlorofluoromethane	ND	5.00
1.1.2-Trichloro-1,2,2-trifluoroethane	ND	5.00
Chloroform	ND(a)	5.00
1,1,1-Trichloroethane	45.5	5.00
~~Trichloroethene~~ Trichloroethylene	156	5.00
~~Tetrachloroethene~~ Perchloroethylene	10.1	5.00
Toluene	ND	5.00

ND = NOT DETECTED
(a) = Present but below limit of quantitation.

ANALYST APPROVED Ali Kharaji

REVIEWER APPROVED [signature] 4-22-94

TRACKING #: [illegible] PRIORITY: [illegible]
PROFILE #: DATE REC'D: [illegible]
GENERATOR: LOS ALAMOS NATIONAL LABORATORY
WASTE CATEGORY: CODE: [illegible]
DESCRIPT: [illegible]

54-W-1 soil 54 west

CHEMICAL WASTE MANAGEMENT / WESTERN REGION LABORATORY
P.O.BOX 4249, MODESTO, CA 95352 PHONE (209)527-4050

CERTIFICATE OF ANALYSIS

DILUTION FACTOR:1 REPORT DATE: 04/22/94

VOLATILE ORGANIC BY GC/MS, EPA METHOD 8260

ANALYTE	RESULT (Ug/Kg)	DET.LIMIT (Ug/Kg)
Dichlorodifluoromethane	ND	5.00
Trichlorofluoromethane	ND	5.00
1.1.2-Trichloro-1,2,2-trifluoroethane	ND	5.00
Chloroform	ND	5.00
1,1,1-Trichloroethane	ND	5.00
~~Trichloroethane~~ Trichloroethylene	ND	5.00
~~Tetrachloroethane~~ Perchloroethylene	ND	5.00
Toluene	ND	5.00

ND = NOT DETECTED

ANALYST APPROVED [signature]

REVIEWER APPROVED [signature] 4-22-94

TRACKING #: [illegible] PRIORITY: [illegible]
PROFILE #: DATE RECD: [illegible]
GENERATOR: LOS ALAMOS NATIONAL LABORATORY
WASTE CATEGORY CODE: [illegible]
DESCRIPT: [illegible] (ASPHALT)

54 w-1 Asphalt 54 west

CHEMICAL WASTE MANAGEMENT / WESTERN REGION LABORATORY
P.O.BOX 4248, MODESTO, CA 95352 PHONE (209)527-4050

CERTIFICATE OF ANALYSIS

DILUTION FACTOR: 1 REPORT DATE: 04/22/94

VOLATILE ORGANIC BY GC/MS, EPA METHOD 8260

ANALYTE	RESULT (Ug/Kg)	DET.LIMIT (Ug/Kg)
Dichlorodifluoromethane	ND	5.00
Trichlorofluoromethane	ND	5.00
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.00
Chloroform	ND	5.00
1,1,1-Trichloroethane	ND	5.00
~~Trichloroethene~~ Trichloroethylene	ND	5.00
~~Tetrachloroethane~~ Perchloroethylene	ND	5.00
Toluene	ND	5.00

ND = NOT DETECTED

ANALYST APPROVED Ali Khan

REVIEWER APPROVED [illegible] 4-22-94