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**TA-16 BURN GROUND
TREATMENT REQUEST FORM
(FOR RCRA-REGULATED HE AND HE-CONTAMINATED WASTES)**

Requested By Connie Gerth	Group: WFO-WC	Phone: 5-1893	Date: 11/14/07
Accum Start Date: N/A	Location of Waste: TA-16-260 Bay 8		
Program Code: SX64	Cost Account: 0000	Work Package: 0000	
Classified: yes <input type="checkbox"/> no <input checked="" type="checkbox"/> Other Waste Concerns Wear DMSO compatible gloves			
Is this debris to be treated to the alternative 40 CFR 268.45 Standards yes <input type="checkbox"/> no <input checked="" type="checkbox"/>			
Physical State (check one): solid <input type="checkbox"/> liquid <input checked="" type="checkbox"/> sludge <input type="checkbox"/>			
Waste Profile Number (a final, approved copy must be attached): 40433			

Shaded areas to be filled by WT-5 only

HE or HE-contaminated Waste Description	Quantity/units (see below)*	TA-16 Structure (EPA Treatment Code)	Date Staged	Date Treated
Solvents	95 pounds <i>See pg 2</i>	388 (X01)	<i>1/16/08</i>	<i>1/16/08</i>
Dry HE	Use page 2	388 or 399 (X01)		
Wet HE	Use page 2	388 (X01)		
Oil		388 (X01)		
Combustible Solids - estimate pounds of HE by type on page 2		388 (X01)		
Non-combustible Solids - estimate pounds of HE by type on page 2		388 (X01)		
Other (describe - use page 2)	Use page 2	Various (X01)		

*Either use pounds (lb) or provide both a volume (liters or gallons) and density

Certification by WT-5 that above waste meets the WAC for the appropriate structure

Name: *Luciana V. P. H. Human* Date: *11/27/2007*

Special Instruction to Disposal Unit Personnel

Rev 6/06

NOTE: Solvent is DMSO, a non-hazardous solvent with flashpoint >190 deg. F.

33303



Additional Waste Information

Fill out for wastes falling under Wet HE or Dry HE on page 1

Total amount of waste in pounds (including water in wet HE)		
Amount of HE in waste		
Explosive Number	Name	Amount (pounds)
0101	TNT	
6018	COMP-B	
9501	PBX-9501	2405 TOTAL W/DMSO
9502	PBX-9502	
9404	PBX-9404	
8003	XTX 8003	
8004	XTX 8004	
0534	X534	
Other		

Fill out for wastes falling into the "Other" category on page 1

Waste Description	Quantity/units (see below)*	TA-16 Structure (circle one) (EPA Treatment Code)	Date Staged	Date Treated
		388/399 (X01)		
		388/399 (X01)		

*Either use pounds (lb) or provide both a volume (liters or gallons) and density

**LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM**

WPF #: 40433

27 Nov 2007 10:50 AM

(Version: 0)

p.1

Generator : COFORTH, JAMES H MS : J566 PH : 6650346 Z#: 082076
 WMC : GERTH, CONNIE MS : C925 PH : 5056651893 Z#: 117806
 Contact :
 RCRA Rev : MULLEN LORI A MS : J599 PH : 5056658680 Z#: 102337
 Status : ACTIVE Activation Date : 11/13/2007 Expiration Date: 11/13/2008
 Group : DE-6 TA : 30 Bldg : 000004 Room : 101

You are required to keep a copy of the WPF(s) in your files for at least three years. This WPF(s) is valid for one year or as long as the composition of the waste you have characterized remains the same. Should your waste change, please submit a new WPF to Waste Acceptance Group.

Waste Accumu : Satellite Accumulation Area Site ID# 1006

Method of Char : MSDS

Waste Type : Process Waste/Spent Chemical/Other
 Waste Classes: RCA Waste - Not RCA Waste
 RAD Waste - Non-rad
 WW Info - TA16

Waste Category: Organic
 Explosive process
 Other

Waste Sources : Research/Development/Testing

Waste Matrix : Non-aqueous

Matrix Type : Homogeneous

Process Desc : RESEARCH/DEVELOPMENT/TESTING OF ENERGETIC MATERIALS .

Waste Desc : HIGH EXPLOSIVES (HMX, RDX, PETN, TATB, HNS) DISSOLVED IN DMSO (DIMETHYL SULFOXIDE) .

Ignitability : 140 - 200 F 60.0 - 99.3 C

Corrosivity : Non-aqueous

Reactivity : Explosive

Boiling Point : > 95 F > 35 C

Toxicity Characteristic Metals: N/A

Toxicity Characteristic Organic Compounds: N/A

Additional Chemical Constituents and Contaminants:

CAS NO	Constituent	MIN	MAX	UOM
67-68-5	DIMETHYL SULFOXIDE	75	80	%
	HIGH EXPLOSIVES	22	30	%

LDR and Underlying Hazardous Constituents Information

Non-Wastewater/Wastewater Category: Non Wastewater

WASTE CHARACTERIZATION INFORMATION

Radioactivity Category : NON-RAD

LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM

WPT #: 40433

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RCRA Category : HAZARDOUS WASTE

Secondary Info : N/A

Waste Classification : HAZARDOUS WASTE

Waste Acceptances : TA-16 Acceptance
OK FOR TA-16-388

EPA Hazardous Waste Code : D003

Notification Of Underlying Hazardous Constituents:
Constituents

No Underlying Hazardous Constituents in this waste stream

LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM

WPF #: 40433

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(Version: 0)

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GWCP Information

Section 1 - Waste Prevention/Minimization (answer all questions)

Can hazard segregation, elimination, or material substitution be used?

Yes* No

Can any of the materials in the waste stream be recycled or reused

Yes* No

Has waste minimization been incorporated into procedures or other process controls?

Yes No

Can this waste be generated outside a RCA?

Yes* No N/A

*Provide Comment

Section 6 - Work Control Documentation (answer all questions)

Do the procedures for this process cover how to manage this waste?

Yes No (Provide comments)

Do the procedures for this process cover controls to prevent changes to waste constituents and concentrations or addition or removal of waste?

Yes No (Provide comments)

Section 7 - Package and Storage Control

Describe how the waste will be packaged in according to the applicable WAC:

DOT/DOE PACKAGING FOR HE TRANSPORT.

Identify the storage management controls that will be used for this waste stream: (check all that apply)

- Tamper indication devices:
 Limited use locks with log-in for waste
 Locked cabinet or building
 Other (describe):

Section 8 - Waste Certification Statements (check only one)

Waste appears to meet WAC chapter for:

TREATMENT AT TA 16 OB TSDF.

Waste needs exception/exemption for treatment, storage, or disposal at:

Waste does not meet the criteria for any known TSDF, (DOE approval is required. Contact the Waste Management Program Office for assistance.)

Estimated Annual Volume (m3): 0.05



**TA-16 BURN GROUND
TREATMENT REQUEST FORM
(FOR RCRA-REGULATED HE AND HE-CONTAMINATED WASTES)**

Requested By: <u>Richard Kayser</u>	Group: ESA-MER <u>WT-5</u>	Phone: <u>7-5525</u>	Date: <u>1/22/08</u>
Accum Start Date: <u>N/A</u>	Location of Waste: Burn <u>263</u>		
Program Code:	Cost Account:	Work Package:	
Classified: yes <input type="checkbox"/> no <input checked="" type="checkbox"/> Other Waste Concerns (e.g. carcinogens or other toxic material)			
Is this debris to be treated to the alternative 40 CFR 268.45 Standards yes <input type="checkbox"/> no <input checked="" type="checkbox"/>			
Physical State (check one): solid <input type="checkbox"/> liquid <input type="checkbox"/> sludge <input checked="" type="checkbox"/>			
Waste Profile Number (a final, approved copy must be attached): <u>40176</u>			

Shaded areas to be filled by ESA-WMM only

HE or HE-contaminated Waste Description	Quantity/units (see below)*	TA-16 Structure (EPA Treatment Code)	Date Staged	Date Treated
Solvents		388 (X01)		
Dry HE	Use page 2	399 (X01)		
Wet HE	Use page 2	399 (X01)	<u>1/31/08</u>	<u>1/31/08</u>
Oil		388 (X01)		
Combustible Solids – estimate pounds of HE by type on page 2		388 (X01)		
Non-combustible Solids – estimate pounds of HE by type on page 2		388 (X01)		
Other (describe – use page 2)	Use page 2	Various (X01)		

*Either use pounds (lb) or provide both a volume (liters or gallons) and density

WT-5

Certification by ESA-WMM that above waste meets the WAC for the appropriate structure	
Name: <u>Sandra J Powell</u>	Date: <u>1/23/08</u>
Special Instruction to Disposal Unit Personnel	

Additional Waste Information

Fill out for wastes falling under Wet HE or Dry HE on page 1

Total amount of waste in pounds (including water in wet HE)		
Amount of HE in waste		
Explosive Number	Name	Amount (pounds)
0101	TNT	
6018	COMP-B	
9501	PBX-9501	67.3 lbs
9502	PBX-9502	
9404	PBX-9404	
8003	XTX 8003	
8004	XTX 8004	
0534	X534	
Other	Possibly all of HE listed on WPF	
Other		
Other		
Other		

Fill out for wastes falling into the "Other" category on page 1

Waste Description	Quantity/units (see below)*	TA-16 Structure (circle one) (EPA Treatment Code)	Date Staged	Date Treated
		388/399 (X01)		
		388/399 (X01)		
		388/399 (X01)		

*Either use pounds (lb) or provide both a volume (liters or gallons) and density

**LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM**

WPF #: 40176

(Version: 1)

14-Jul-2008 12:59 PM

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Generator :	Keyser, Richard	MS :	P941	PH :	6675525	Z#:	138214
WMC :	VELASQUEZ, ELMER	MS :	C924	PH :	5056656088	Z#:	097683
Contact :							
RCRA Rev :	LASH TAMMY A	MS :	J496	PH :	5056653454	Z#:	120424
Status :	ACTIVE	Activation Date :	06/22/2007	Expiration Date:	05/19/2009		
Group :	WT-5	TA :	16	Bldg :	000216	Room :	101

You are required to keep a copy of the WPF(s) in your files for at least three years. This WPF(s) is valid for one year or as long as the composition of the waste you have characterized remains the same. Should your waste change, please submit a new WPF to Waste Acceptance Group.

Waste Accumu : Satellite Accumulation Area Site ID# 45
Method of Char : MSDS

Waste Type : Process Waste/Spent Chemical/Other
Waste Classes: RCA Waste - Not RCA Waste
RAD Waste - Non-rad

Waste Category: Explosive process

Waste Sources : Research/Development/Testing

Waste Matrix : Sludge

Matrix Type : Heterogeneous

Process Desc : RESEARCH, DEVELOPMENT, AND TESTING OF HIGH EXPLOSIVES AND EXPLOSIVE ASSEMBLIES.

Waste Desc : PBX 9501 SLUDGE GENERATED FROM HE MACHINING OPERATIONS. MATERIALS WILL BE TREATED FOR THE CHARACTERISTIC OF REACTIVITY AT WT DIVISION'S TA-16-388/399 OPEN BURNING TSDF.

Ignitability : Not ignitable
Corrosivity : Non-aqueous
Reactivity : Explosive - DOT Div. 1.1D

Boiling Point : Not applicable

Toxicity Characteristic Metals: N/A

Toxicity Characteristic Organic Compounds: N/A

Additional Chemical Constituents and Contaminants:

CAS NO	Constituent	MIN	MAX	UOM
	PBX 9501 CONSISTS OF: 95% HMX, 2.5% ESTANE,			
	2.5% BDNPALF-MSDS AHOWS BDNPA	100	100	%

LDR and Underlying Hazardous Constituents Information
Non-Wastewater/Wastewater Category: Non Wastewater

WASTE CHARACTERIZATION INFORMATION

Radioactivity Category : NON-RAD

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WASTE PROFILE SYSTEM

WPF #: 40176

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RCRA Category : HAZARDOUS WASTE

Secondary Info : N/A

Waste Classification : HAZARDOUS WASTE

Waste Acceptances : TA-16 Acceptance
OK FOR TA-16-388

EPA Hazardous Waste Code : D003

Notification Of Underlying Hazardous Constituents:
Constituents

No Underlying Hazardous Constituents in this waste stream

LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM

WPF #: 40176

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(Version: 1)

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GWCP Information

Section 1 - Waste Prevention/Minimization (answer all questions)

Can hazard segregation, elimination, or material substitution be used?

Yes* No

Can any of the materials in the waste stream be recycled or reused?

Yes* No

Has waste minimization been incorporated into procedures or other process controls?

Yes No

Can this waste be generated outside a RCA?

Yes* No N/A

*Provide Comment

Section 6 - Work Control Documentation (answer all questions)

Do the procedures for this process cover how to manage this waste?

Yes No (Provide comments)

Do the procedures for this process cover controls to prevent changes to waste constituents and concentrations or addition or removal of waste?

Yes No (Provide comments)

Section 7 - Package and Storage Control

Describe how the waste will be packaged in according to the applicable WAC:

DOT SPEC. DRUM

Identify the storage management controls that will be used for this waste stream: (check all that apply)

- Tamper indication devices:
 Limited use locks with log-in for waste
 Locked cabinet or building
 Other (describe)

Section 8 - Waste Certification Statements (check only one)

- Waste appears to meet WAC chapter for:
HAZARDOUS WASTE.
 Waste needs exception/exemption for treatment, storage, or disposal at:
 Waste does not meet the criteria for any known TSDF, (DOE approval is required. Contact the Waste Management Program Office for assistance.)

Estimated Annual Volume (m3): 1.9

**TA-16 BURN GROUND
TREATMENT REQUEST FORM
(FOR RCRA-REGULATED HE AND HE-CONTAMINATED WASTES)**

Requested By: <i>Richard Kefer</i>	Group: ESA-MBE <i>WT-5</i>	Phone: <i>7-5525</i>	Date: <i>2-6-08</i>
Accum Start Date: <i>NA</i>	Location of Waste: <i>Burn 261</i>		
Program Code: <i>Job # 47486</i>	Cost Account:	Work Package:	
Classified: yes <input type="checkbox"/> no <input checked="" type="checkbox"/> Other Waste Concerns (e.g. carcinogens or other toxic material)			
Is this debris to be treated to the alternative 40 CFR 268.45 Standards yes <input type="checkbox"/> no <input checked="" type="checkbox"/>			
Physical State (check one): solid <input type="checkbox"/> liquid <input type="checkbox"/> sludge <input checked="" type="checkbox"/>			
Waste Profile Number (a final, approved copy must be attached): <i>40526</i>			

Shaded areas to be filled by ESA-WMM only

HE or HE-contaminated Waste Description	Quantity/units (see below)*	TA-16 Structure (EPA Treatment Code)	Date Staged	Date Treated
Solvents		388 (X01)		
Dry HE	Use page 2	399 (X01)		
<u>Wet HE</u>	Use page 2	399 (X01)	<i>2/26/08</i>	<i>2/26/08</i>
Oil		388 (X01)		
Combustible Solids – estimate pounds of HE by type on page 2		388 (X01)		
Non-combustible Solids – estimate pounds of HE by type on page 2		388 (X01)		
Other (describe – use page 2)	Use page 2	Various (X01)		

*Either use pounds (lb) or provide both a volume (liters or gallons) and density

WT-5

Certification by ~~ESA-WMM~~ that above waste meets the WAC for the appropriate structure

Name: *Sandra J. Powell* Date: *2/16/08*

Special Instruction to Disposal Unit Personnel

Additional Waste Information

Fill out for wastes falling under Wet HE or Dry HE on page 1

Total amount of waste in pounds (including water in wet HE)		
Amount of HE in waste		
Explosive Number	Name	Amount (pounds)
0101	TNT	
6018	COMP-B	
9501	PBX-9501	
9502	PBX-9502	
9404	PBX-9404	
8003	XTX 8003	
8004	XTX 8004	
0534	X534	
Other	Possibly all of HE listed on WPF	
Other	LX07	31.1 lbs
Other		
Other		

Fill out for wastes falling into the "Other" category on page 1

Waste Description	Quantity/units (see below)*	TA-16 Structure (circle one) (EPA Treatment Code)	Date Staged	Date Treated
		388/399 (X01)		
		388/399 (X01)		
		388/399 (X01)		

*Either use pounds (lb) or provide both a volume (liters or gallons) and density

**LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM**

WPF #: 40526

31-Jan-2008 08:02 AM

(Version: 0)

p.1

Generator :	Keyser, Richard	MS :	P941	PH :	6675525	Z#:	138214
WMC :	VELASQUEZ, ELMER	MS :	C924	PH :	5056656088	Z#:	097683
Contact :							
RCRA Rev :	MULLEN LORIA	MS :	J599	PH :	5056658680	Z#:	102337
Status :	ACTIVE	Activation Date :	12/17/2007	Expiration Date:	12/17/2008		
Group :	WT-5	TA :	16	Bldg :	000261	Room :	101

You are required to keep a copy of the WPF(s) in your files for at least three years. This WPF(s) is valid for one year or as long as the composition of the waste you have characterized remains the same. Should your waste change, please submit a new WPF to Waste Acceptance Group.

Waste Accumu : Satellite Accumulation Area Site ID# 45
Method of Char : MSDS

Waste Type : Process Waste/Spent Chemical/Other
Waste Classes: RCA Waste - Not RCA Waste
RAD Waste - Non-rad

Waste Category: Explosive process

Waste Sources : Other - Non-routine

Waste Matrix : Sludge

Matrix Type : Heterogeneous

Process Desc : LX-07 EXPLOSIVE MACHINING OPERATIONS.

Waste Desc : LX-07 SLUDGE CONSISTING OF 90.5% HMX AND 10% VITON A WITH WATER.

Ignitability : Not ignitable

Corrosivity : 6.1 - 9.0

Reactivity : Explosive - DOT Div. 1.1D

Boiling Point : Not applicable

Toxicity Characteristic Metals: N/A

Toxicity Characteristic Organic Compounds: N/A

Additional Chemical Constituents and Contaminants:

CAS NO	Constituent	MIN	MAX	UOM
	HMX	85	90	%
	WATER	0.01	1	%
	VITON A	5	10	%

LDR and Underlying Hazardous Constituents Information

Non-Wastewater/Wastewater Category: Non Wastewater

WASTE CHARACTERIZATION INFORMATION

Radioactivity Category : NON-RAD

RCRA Category : HAZARDOUS WASTE

LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM

WPF #: 40526

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Secondary Info : N/A

Waste Classification : HAZARDOUS WASTE

Waste Acceptances : TA-16 Acceptance
OK FOR TA-16-388

EPA Hazardous Waste Code : D003

Notification Of Underlying Hazardous Constituents:

Constituents

No Underlying Hazardous Constituents in this waste stream

LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM

WPF #: 40526

(Version: 0)

31-Jan-2008 08:02 AM

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GWCP Information

Section 1 - Waste Prevention/Minimization (answer all questions)

Can hazard segregation, elimination, or material substitution be used?

Yes* No

Can any of the materials in the waste stream be recycled or reused

Yes* No

Has waste minimization been incorporated into procedures or other process controls?

Yes No

Can this waste be generated outside a RCA?

Yes* No N/A

*Provide Comment

Section 6 - Work Control Documentation (answer all questions)

Do the procedures for this process cover how to manage this waste?

Yes No (Provide comments)

Do the procedures for this process cover controls to prevent changes to waste constituents and concentrations or addition or removal of waste?

Yes No (Provide comments)

Section 7 - Package and Storage Control

Describe how the waste will be packaged in according to the applicable WAC:

DOT SPEC. DRUM.

Identify the storage management controls that will be used for this waste stream: (check all that apply)

- Tamper indication devices:
 Limited use locks with log-in for waste
 Locked cabinet or building
 Other (describe)

Section 8 - Waste Certification Statements (check only one)

- Waste appears to meet WAC chapter for:
EXPLOSIVE HAZARDOUS WASTE.
 Waste needs exception/exemption for treatment, storage, or disposal at:
 Waste does not meet the criteria for any known TSDF, (DOE approval is required. Contact the Waste Management Program Office for assistance.)

Estimated Annual Volume (m3): 0.19

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**TA-16 BURN GROUND
TREATMENT REQUEST FORM
(FOR RCRA-REGULATED HE AND HE-CONTAMINATED WASTES)**

Requested By: Steve Buelow	Group: C-PCS	Phone: 7-1178	Date: 4/1/08
Accum. Start Date: 3/31/08		Location of Waste: SAA 2745, TA-46/154/110	
Cost Information/Task Order: 3C050A XA31 0010 CLGY			
Classified: yes <input type="checkbox"/> no <input checked="" type="checkbox"/> Other Waste Concerns (e.g. carcinogens or other toxic material):			
Is this debris to be treated to the alternative 40 CFR 268.45 Standards? yes <input type="checkbox"/> no <input checked="" type="checkbox"/>			
Physical State (check one): solid <input checked="" type="checkbox"/> liquid <input type="checkbox"/> sludge <input type="checkbox"/>			
Waste Profile Form Number (a final, approved copy must be attached): 39108			

Shaded areas to be filled by WT-5 only.

HE or HE-Contaminated Waste Description	Quantity/units (see below)*	388	TA-16 Structure (EPA Treatment Code)	Date Staged	Date Treated
Solvents		388	388 (X01)		
Dry HE	Complete page 2	388 or 399	388 or 399 (X01)	4/15/08	4/15/08
Wet HE	Complete page 2	388	388 (X01)		
Solvents		388	388 (X01)		
Combustible Solids – estimate pounds of HE by type on page 2	22.2 g (see page 2)	388	388 (X01)		
Non-combustible Solids – estimate pounds of HE by type on page 2		388	388 (X01)		
Other (describe – use page 2)	See page 2	See page 2	Various (X01)		

**Either use pounds (lb) or provide both a volume (liters or gallons) and density.*

Certification by WT-5 or designee that above waste meets the WAC for the appropriate structure

Name: Luciana V. Altman

Date: April 9, 2008

Special Instruction to Treatment Unit Personnel:

Additional Waste Information

Fill out for wastes falling under Wet HE or Dry HE on page 1:

Total amount of waste in pounds (including water in wet HE):	22.2 grams various types of HE (see attachment for individual information)	
Amount of HE in waste		
Explosive Number	Name	Amount (pounds)
0101	TNT	 22.2 grams TOTAL
6018	COMP-B	
9501	PBX-9501	
9502	PBX-9502	
9404	PBX-9404	
8003	XTX 8003	
8004	XTX 8004	
0534	X534	
Other:		

Fill out for wastes falling into the "Other" category on page 1:

Waste Description	Quantity/units (see below)*	TA-16 Structures (circle one) (EPA Treatment Code)	Date Staged	Date Treated
		388/399 (X01)		
		388/399 (X01)		

*Either use pounds (lbs) or provide both a volume (liters or gallons) and density.

**LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM**

WPF #: 39108

09-Apr-2008 01:48 PM

(Version: 1)

p. 1

Generator : BUELOW, STEVEN J MS : J567 PH : 6671178 Z#: 100728
 WMC : DEWEES-LEE, KAREN MS : J586 PH : 5056671772 Z#: 215987
 Contact :
 RCRA Rev : NOLL MONICA D MS : J496 PH : 5056675999 Z#: 115370
 Status : ACTIVE Activation Date : 04/07/2006 Expiration Date: 04/02/2009
 Group : C-PCS TA : 46 Bldg : 000031 Room : 110

You are required to keep a copy of the WPF(s) in your files for at least three years. This WPF(s) is valid for one year or as long as the composition of the waste you have characterized remains the same. Should your waste change, please submit a new WPF to Waste Acceptance Group.

Waste Accumu : Satellite Accumulation Area Site ID# 2745

Method of Char : MSDS

Waste Type : Process Waste/Spent Chemical/Other
 Waste Classes: RCA Waste - Not RCA Waste
 RAD Waste - Non-rad

Waste Category: Organic

Waste Sources : Research/Development/Testing

Waste Matrix : Solid

Matrix Type : Homogeneous

Process Desc :
 USE OF EXPLOSIVES IN RESEARCH.

Waste Desc : POWDERS, PIECES, AND PELLETS OF HIGH EXPLOSIVES ON OR IN PLASTICS USED FOR RESEARCH. TYPES MAY INCLUDE NITROCELLULOSE, TATB, HMX, 9501, TNT, CL-20, TEX, PETN, DHT, AND HNS.

Ignitability : 140 - 200 F 60.0 - 99.3 C

Corrosivity : Non-aqueous

Reactivity : Pyrophoric

Boiling Point : Not applicable

Toxicity Characteristic Metals: N/A

Toxicity Characteristic Organic Compounds:

Contaminant	Method	Limit	Min	Max	Unit
2,4-DINITROTOLUENE	AK		5000	10000	PPM

Additional Chemical Constituents and Contaminants:

CAS NO	Constituent	MIN	MAX	UOM
	HIGH EXPLOSIVES	90	100	%
	CELLULOSICS	0	10	%

Additional Information: THIS MEETS THE WAC FOR TA-16 D003.

LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM

WPF #: 39108

09:Apr-2008:01:48:PM

(Version: 1)

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LDR and Underlying Hazardous Constituents Information

Non-Wastewater/Wastewater Category: Non Wastewater

WASTE CHARACTERIZATION INFORMATION

Radioactivity Category : NON-RAD

RCRA Category : HAZARDOUS WASTE

Secondary Info : N/A

Waste Classification : HAZARDOUS WASTE

Waste Acceptances : TA-16 Acceptance
OKAY FOR TA-16-388
TA-16 Acceptance
OK FOR TA-16-388

EPA Hazardous Waste Code : D003 D030

Notification Of Underlying Hazardous Constituents:

Constituents

2,4-Dinitrotoluene

LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM

WPF #: 39108

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(Version: 1)

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GWCP Information

Section 1 - Waste Prevention/Minimization (answer all questions)

Can hazard segregation, elimination, or material substitution be used?

Yes* No

Can any of the materials in the waste stream be recycled or reused?

Yes* No

Has waste minimization been incorporated into procedures or other process controls?

Yes No

Can this waste be generated outside a RCA?

Yes* No N/A

*Provide Comment

Section 6 - Work Control Documentation (answer all questions)

Do the procedures for this process cover how to manage this waste?

Yes No (Provide comments)

Do the procedures for this process cover controls to prevent changes to waste constituents and concentrations or addition or removal of waste?

Yes No (Provide comments)

Section 7 - Package and Storage Control

Describe how the waste will be packaged in according to the applicable WAC:

COMPATIBLE CONTAINERS PRIOR TO SHIPPING IN DOT APPROVED CONTAINER.

Identify the storage management controls that will be used for this waste stream: (check all that apply)

- Tamper indication devices:
- Limited use locks with log-in for waste
- Locked cabinet or building
- Other (describe)

Section 8 - Waste Certification Statements (check only one)

Waste appears to meet WAC chapter for:
TA-16

Waste needs exception/exemption for treatment, storage, or disposal at:

Waste does not meet the criteria for any known TSDF, (DOE approval is required. Contact the Waste Management Program Office for assistance.)

Estimated Annual Volume (m3): .0001

**TA-16 BURN GROUND
TREATMENT REQUEST FORM
(FOR RCRA-REGULATED HE AND HE-CONTAMINATED WASTES)**

Requested By: <i>Richard Keyser</i>	Group: <i>WT-5</i>	Phone: <i>7-5525</i>	Date: <i>5/14/08</i>
Accum. Start Date: <i>NA</i>	Location of Waste: <i>263</i>		
Cost Information/Task Order: <i>47522</i>			
Classified: yes <input type="checkbox"/> no <input checked="" type="checkbox"/> Other Waste Concerns (e.g. carcinogens or other toxic material):			
Is this debris to be treated to the alternative 40 CFR 268.45 Standards? yes <input type="checkbox"/> no <input checked="" type="checkbox"/>			
Physical State (check one): solid <input type="checkbox"/> liquid <input type="checkbox"/> sludge <input checked="" type="checkbox"/> <i>Filter Socks</i>			
Waste Profile Form Number (a final, approved copy must be attached): <i>37122</i>			

Shaded areas to be filled by WT-5 only.

HE or HE-Contaminated Waste Description	Quantity/units (see below)*	388	TA-16 Structure (EPA Treatment Code)	Date Staged	Date Treated
Solvents		388	388 (X01)		
Dry HE	Complete page 2	388 or 399	388 or 399 (X01)		
Wet HE	Complete page 2	388	388 (X01)		
Solvents		388	388 (X01)		
Combustible Solids – estimate pounds of HE by type on page 2	<i>40. lbs</i>	388	388 (X01)	<i>5/14/08</i>	<i>5/14/08</i>
Non-combustible Solids – estimate pounds of HE by type on page 2		388	388 (X01)		
Other (describe – use page 2)	See page 2	See page 2	Various (X01)		

**Either use pounds (lb) or provide both a volume (liters or gallons) and density.*

Certification by WT-5 or designee that above waste meets the WAC for the appropriate structure

Name: *Sandra J Powell* Date: *5-14-08*

Special Instruction to Treatment Unit Personnel:

Additional Waste Information

Fill out for wastes falling under Wet HE or Dry HE on page 1:

Total amount of waste in pounds (including water in wet HE):		
Amount of HE in waste		
Explosive Number	Name	Amount (pounds)
0101	TNT	
6018	COMP-B	
9501	PBX-9501	
9502	PBX-9502	
9404	PBX-9404	
8003	XTX 8003	
8004	XTX 8004	
0534	X534	
Other:		

Fill out for wastes falling into the "Other" category on page 1:

Waste Description	Quantity/units (see below)*	TA-16 Structures (circle one) (EPA Treatment Code)	Date Staged	Date Treated
		388/399 (X01)		
		388/399 (X01)		

*Either use pounds (lbs) or provide both a volume (liters or gallons) and density.

**LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM**

WPF #: 37122

(Version: 3.1)

p.1

15-Oct-2007 02:39 PM

Generator :	Keyser, Richard	MS :	P941	PH :	6675525	Z#:	138214
WMC :	VELASQUEZ, ELMER	MS :	C924	PH :	5056656088	Z#:	097683
Contact :							
RCRA Rev :	LASH TAMMY A	MS :	J599	PH :	5056653454	Z#:	120424
Status :	ACTIVE	Activation Date :	03/10/2004	Expiration Date:	09/11/2008		
Group :	WT-5	TA :	16	Bldg :	000260	Room :	BAYS

You are required to keep a copy of the WPF(s) in your files for at least three years. This WPF(s) is valid for one year or as long as the composition of the waste you have characterized remains the same. Should your waste change, please submit a new WPF to Waste Acceptance Group.

Waste Accumu : Satellite Accumulation Area Site ID# 45
Method of Char : Acceptable Knowledge Documentation Number: SEE PROCESS DESCRIPTION

Waste Type : Process Waste/Spent Chemical/Other
Waste Classes: RCA Waste - Not RCA Waste
RAD Waste - Non-rad
Classif/Sensi - N

Waste Category: Explosive process

Waste Sources : Research/Development/Testing

Waste Matrix : Sludge

Matrix Type : Heterogeneous

Process Desc :
H.E FILTER SOCKS GENERATED DURING H.E MACHINING OPERATIONS. THE FILTER SOCKS FILTER H.E FROM THE WATER USED IN MACHINING. THE CLOTH FILTER SOCKS ARE PLACED IN PLASTIC DRUMS TO KEEP THE WETTED SOCKS CONTAINED, THE PAPER FILTER SOCKS ARE STORED IN THE ORIGINAL CARDBOARD BOXES. BOTH TYPE OF FILTER SOCKS ARE STORED IN THE SATELLITE ACCUMULATION AREA (SAA) PRIOR TO DISPOSAL. THIS WASTESTREAM IS CONTAMINATED WITH H.E AT DETONABLE QUANTITIES AND WILL BE BURNED AT TA-16 BURNING GROUND. H.E MATERIAL PRESENT DURING MACHINING OPERATIONS ARE: 9501, 9502, TNT, COMP-B, PETN, 9404, 9407, X-0211, LX-07 AND XTX-8003.

Waste Desc : N/A

Ignitability : Not ignitable

Corrosivity : Non-aqueous

Reactivity : Explosive

Boiling Point : Not applicable

Toxicity Characteristic Metals: N/A

Toxicity Characteristic Organic Compounds:

Contaminant	Method	Limit	Min	Max	Unit
2,4-DINITROTOLUENE	AK		0.13	1.5	PPM

LOS ALAMOS NATIONAL LABORATORY

WASTE PROFILE SYSTEM
 Operated by the University of California for the U.S. Department of Energy

WPF #: 37122

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Report web site problems to wmm-web@lanl.gov

Additional Chemical Constituents and Contaminants:

CAS NO	Constituent	MIN	MAX	UOM
	CLOTH AND PAPER FILTER SOCKS	3	5	%
9501		10	40	%
9502		10	40	%
TNT		10	40	%
COMP-B		10	40	%
PETN		10	40	%
9404		0	5	%
9407		0	5	%
LX-07		0	5	%
X-0211		0	5	%

LDR and Underlying Hazardous Constituents Information

Non-Wastewater/Wastewater Category: **Non Wastewater**

WASTE CHARACTERIZATION INFORMATION

Radioactivity Category : **NON-RAD**

RCRA Category : **HAZARDOUS WASTE**

Secondary Info : **N/A**

Waste Classification : **HAZARDOUS WASTE**

Waste Acceptances : **TA-16 Acceptance**
 OK FOR TA-16-388. CONFIRM TYPE OF HE
TA-16 Acceptance
 OK FOR TA-16-388

EPA Hazardous Waste Code : **D003 D030**

Notification Of Underlying Hazardous Constituents:

Constituents

2,4-Dinitrotoluene

LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM

WPF #: 37122

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GWCP Information

Section 1 - Waste Prevention/Minimization (answer all questions)

Can hazard segregation, elimination, or material substitution be used?

Yes* No

Can any of the materials in the waste stream be recycled or reused?

Yes* No

Has waste minimization been incorporated into procedures or other process controls?

Yes No

Can this waste be generated outside a RCA?

Yes* No N/A

*Provide Comment

Section 6 - Work Control Documentation (answer all questions)

Do the procedures for this process cover how to manage this waste?

Yes No (Provide comments)

Do the procedures for this process cover controls to prevent changes to waste constituents and concentrations or addition or removal of waste?

Yes No (Provide comments)

Section 7 - Package and Storage Control

Describe how the waste will be packaged in according to the applicable WAC:

DOT SPEC DRUM

Identify the storage management controls that will be used for this waste stream: (check all that apply)

- Tamper indication devices:
- Limited use locks with log-in for waste
- Locked cabinet or building
- Other (describe)

Section 8 - Waste Certification Statements (check only one)

- Waste appears to meet WAC chapter for:
REACTIVE / HAZARDOUS WASTE
- Waste needs exception/exemption for treatment, storage, or disposal at:
- Waste does not meet the criteria for any known TSDF, (DOE approval is required. Contact the Waste Management Program Office for assistance.)

Estimated Annual Volume (m3): 1.9

✓

**TA-16 BURN GROUND
TREATMENT REQUEST FORM
(FOR RCRA-REGULATED HE AND HE-CONTAMINATED WASTES)**

Requested By: <i>Richard Keyser</i>	Group: <i>WT-5</i>	Phone: <i>7-5525</i>	Date: <i>5/28/08</i>
Accum. Start Date: <i>N/A</i>	Location of Waste: <i>BP 263</i>		
Cost Information/Task Order: <i>47519 / DX-92</i>			
Classified: yes <input type="checkbox"/> no <input checked="" type="checkbox"/> Other Waste Concerns (e.g. carcinogens or other toxic material):			
Is this debris to be treated to the alternative 40 CFR 268.45 Standards? yes <input type="checkbox"/> no <input checked="" type="checkbox"/>			
Physical State (check one): solid <input type="checkbox"/> liquid <input type="checkbox"/> sludge <input checked="" type="checkbox"/>			
Waste Profile Form Number (a final, approved copy must be attached): <i>40177</i>			

Shaded areas to be filled by WT-5 only.

HE or HE-Contaminated Waste Description	Quantity/units (see below)*	388	TA-16 Structure (EPA Treatment Code)	Date Staged	Date Treated
Solvents		388	388 (X01)		
Dry HE	Complete page 2	388 or 399	388 or 399 (X01)		
Wet HE	Complete page 2	388	388 (X01)	<i>6/3/08</i>	<i>6/3/08</i>
Solvents		388	388 (X01)		
Combustible Solids - estimate pounds of HE by type on page 2 <i>5.0</i>		388	388 (X01)		
Non-combustible Solids - estimate pounds of HE by type on page 2		388	388 (X01)		
Other (describe - use page 2)	See page 2	See page 2	Various (X01)		

**Either use pounds (lb) or provide both a volume (liters or gallons) and density.*

Certification by WT-5 or designee that above waste meets the WAC for the appropriate structure

Name: *Sandra Powell* Date: *5-14-08*

Special Instruction to Treatment Unit Personnel:

Additional Waste Information

Fill out for wastes falling under Wet HE or Dry HE on page 1:

Total amount of waste in pounds (including water in wet HE):		
Amount of HE in waste		
Explosive Number	Name	Amount (pounds)
0101	TNT	
6018	COMP-B	
9501	PBX-9501	
9502	PBX-9502	19.7 lbs
9404	PBX-9404	
8003	XTX 8003	
8004	XTX 8004	
0534	X534	
Other:		

Fill out for wastes falling into the "Other" category on page 1:

Waste Description	Quantity/units (see below)*	TA-16 Structures (circle one) (EPA Treatment Code)	Date Staged	Date Treated
		388/399 (X01)		
		388/399 (X01)		

*Either use pounds (lbs) or provide both a volume (liters or gallons) and density.

**LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM**

WPF#: 40177

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p.1

Generator : Keyser, Richard	MS : P941	PH : 6675525	Z#: 138214
WMC : VELASQUEZ, ELMER	MS : C924	PH : 5056656088	Z#: 097683
Contact :			
RCRA Rev : MULLEN LORIA	MS : J599	PH : 5056658680	Z#: 102337
Status : ACTIVE	Activation Date : 06/18/2007	Expiration Date:	06/18/2008
Group : WT-5	TA : 16	Bldg : 000261	Room : 101

You are required to keep a copy of the WPF(s) in your files for at least three years. This WPF(s) is valid for one year or as long as the composition of the waste you have characterized remains the same. Should your waste change, please submit a new WPF to Waste Acceptance Group.

Waste Accumu : Satellite Accumulation Area Site ID# 45
Method of Char : MSDS

Waste Type : Process Waste/Spent Chemical/Other
Waste Classes: RCA Waste - Not RCA Waste
RAD Waste - Non-rad

Waste Category: Explosive process

Waste Sources : Research/Development/Testing

Waste Matrix : Sludge

Matrix Type : Heterogeneous

Process Desc : RESEARCH, DEVELOPMENT, AND TESTING OF HIGH EXPLOSIVES AND EXPLOSIVE ASSEMBLIES.

Waste Desc : PBX 9502 SLUDGE GENERATED FROM HE MACHINING OPERATIONS. MATERIALS WILL BE TREATED FOR THE CHARACTERISTIC OF REACTIVITY AT WT DIVISION'S TA-16-388/399 OPEN BURNING TSDF.

Ignitability : Not ignitable

Corrosivity : Non-aqueous

Reactivity : Explosive

Boiling Point : Not applicable

Toxicity Characteristic Metals: N/A

Toxicity Characteristic Organic Compounds: N/A

Additional Chemical Constituents and Contaminants:

CAS NO	Constituent	MIN	MAX	UOM
	PBX 9502 CONSISTS OF: 95% TATB, 5% KEL-F 8000		100	%

Additional Information: ADDITIONAL BLDG: 263, ADDITIONAL SITE NO # 2014.

LDR and Underlying Hazardous Constituents Information
Non-Wastewater/Wastewater Category: Non Wastewater

WASTE CHARACTERIZATION INFORMATION

Radioactivity Category : NON-RAD

LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM

WPF #: 40177

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(Version=0)

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RCRA Category : HAZARDOUS WASTE

Secondary Info : N/A

Waste Classification : HAZARDOUS WASTE

Waste Acceptances : TA-16 Acceptance
OK FOR TA-16-388

EPA Hazardous Waste Code : D003

Notification Of Underlying Hazardous Constituents:

Constituents

No Underlying Hazardous Constituents in this waste stream

LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM

WPF #: 40177

(Version: 0)

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GWCP Information

Section 1 - Waste Prevention/Minimization (answer all questions)

Can hazard segregation, elimination, or material substitution be used?

Yes* No

Can any of the materials in the waste stream be recycled or reused

Yes* No

Has waste minimization been incorporated into procedures or other process controls?

Yes No

Can this waste be generated outside a RCA?

Yes* No N/A

*Provide Comment

Section 6 - Work Control Documentation (answer all questions)

Do the procedures for this process cover how to manage this waste?

Yes No (Provide comments)

Do the procedures for this process cover controls to prevent changes to waste constituents and concentrations or addition or removal of waste?

Yes No (Provide comments)

Section 7 - Package and Storage Control

Describe how the waste will be packaged in according to the applicable WAC:

DOT SPEC. DRUM.

Identify the storage management controls that will be used for this waste stream: (check all that apply)

- Tamper indication devices:
- Limited use locks with log-in for waste
- Locked cabinet or building
- Other (describe)

Section 8 - Waste Certification Statements (check only one)

- Waste appears to meet WAC chapter for:
HAZARDOUS WASTE.
- Waste needs exception/exemption for treatment, storage, or disposal at:
- Waste does not meet the criteria for any known TSDF, (DOE approval is required. Contact the Waste Management Program Office for assistance.)

Estimated Annual Volume (m³): 1.9

**TA-16 BURN GROUND
TREATMENT REQUEST FORM
(FOR RCRA-REGULATED HE AND HE-CONTAMINATED WASTES)**

Requested By: Kien-Yin Lee	Group: DE-1	Phone: 7-7131	Date: 9-4-2008
Accum. Start Date: <i>N/A</i>	Location of Waste: TA-9-21-134		
Task Order- 5K200A / RCAW / 0000 / 0000			
Classified: yes <input type="checkbox"/> no <input checked="" type="checkbox"/> Other Waste Concerns (e.g. carcinogens or other toxic material):			
Is this debris to be treated to the alternative 40 CFR 268.45 Standards? yes <input type="checkbox"/> no <input checked="" type="checkbox"/>			
Physical State (check one): solid <input checked="" type="checkbox"/> liquid <input type="checkbox"/> sludge <input type="checkbox"/>			
Waste Profile Form Number (a final, approved copy must be attached):			38791

Shaded areas to be filled by WT-5 only.

HE or HE-Contaminated Waste Description	Quantity/units (see below)*	388	TA-16 Structure (EPA Treatment Code)	Date Staged	Date Treated
Solvents		388	388 (X01)		
Dry HE	Complete page 2	388 or 399	388 or 399 (X01)	11/2/08	11/2/08
Wet HE	Complete page 2	388	388 (X01)		
Solvents		388	388 (X01)		
Combustible Solids – estimate pounds of HE by type on page 2		388	388 (X01)		
Non-combustible Solids – estimate pounds of HE by type on page 2		388	388 (X01)		
Other (describe – use page 2)	See page 2	See page 2	Various (X01)		

**Either use pounds (lb) or provide both a volume (liters or gallons) and density.*

Certification by WT-5 that above waste meets the WAC for the appropriate structure

Name: *Sandra J Powell* Date: *9-9-08*

Special Instruction to Disposal Unit Personnel:

Additional Waste Information

Fill out for wastes falling under Wet HE or Dry HE on page 1:

Total amount of waste in pounds (including water in wet HE):		
Amount of HE in waste		
Explosive Number	Name	Amount (pounds)
0101	TNT	
6018	COMP-B	
9501	PBX-9501	
9502	PBX-9502	
9404	PBX-9404	
8003	XTX 8003	
8004	XTX 8004	
0534	X534	
Other:	NTO, HMX, TATB	151.20 grams
Other:		
Other:		
Other:		

Fill out for wastes falling into the "Other" category on page 1:

Waste Description	Quantity/units (see below)*	TA-16 Structures (circle one) (EPA Treatment Code)	Date Staged	Date Treated
		388/399 (X01)		
		388/399 (X01)		

*Either use pounds (lbs) or provide both a volume (liters or gallons) and density.

**LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM**

WPF #: 38791

03-Sep-2008 04:23 PM

(Version: 1)

p.1

Generator : LEE, KIEN YIN MS : C920 PH : 6677131 Z#: 087572
 WMC : PETERSEN, ROBYN MS : C925 PH : 5056659054 Z#: 086572
 Contact :
 RCRA Rev : LASH TAMMY A MS : J496 PH : 5056653454 Z#: 120424
 Status : ACTIVE Activation Date : 09/27/2005 Expiration Date: 11/27/2008
 Group : DX-2 TA : 09 Bldg : 000021 Room : 134

You are required to keep a copy of the WPF(s) in your files for at least three years. This WPF(s) is valid for one year or as long as the composition of the waste you have characterized remains the same. Should your waste change, please submit a new WPF to Waste Acceptance Group.

Waste Accumu : Satellite Accumulation Area Site ID#
 Method of Char : Acceptable Knowledge Documentation Number: SEE ATTACHED DOCUMENTS

Waste Type : Process Waste/Spent Chemical/Other
 Waste Classes: RCA Waste - Not RCA Waste
 RAD Waste - Non-rad

Waste Category: Explosive process

Waste Sources : Research/Development/Testing

Waste Matrix : Solid

Matrix Type : Homogeneous

Process Desc : THE PREPARATION OF ALUMINIZED NTO COMPOSITES BY CRASH PRECIPITATION. CELLULOSE PRODUCTS USED IN THE CLEAN-UP OF THE EXPERIMENTS.

Waste Desc : N/A

Ignitability : Not ignitable

Corrosivity : Non-aqueous

Reactivity : Explosive

Boiling Point : Not applicable

Toxicity Characteristic Metals: N/A

Toxicity Characteristic Organic Compounds: N/A

Additional Chemical Constituents and Contaminants:

CAS NO	Constituent	MIN	MAX	UOM
	CELLULOSE PRODUCTS	0	5	%
	METALS (SUCH AS AL)	1	5	%
	HE (NTO, HMX, DAAF, TATB, PETN)	70	90	%

LDR and Underlying Hazardous Constituents Information
 Non-Wastewater/Wastewater Category: Non Wastewater

WASTE CHARACTERIZATION INFORMATION

Radioactivity Category : NON-RAD

LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM

WPF #: 38791

03-Sep-2008 04:23 PM

(Version: 1)

p.2

RCRA Category : HAZARDOUS WASTE

Secondary Info : N/A

Waste Classification : HAZARDOUS WASTE

Waste Acceptances : TA-16 Acceptance
OK FOR TA-16-388 IF DETONABLE
TA-16 Acceptance
OK FOR TA-16-388

EPA Hazardous Waste Code : D003

Notification Of Underlying Hazardous Constituents:

Constituents

No Underlying Hazardous Constituents in this waste stream

LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM

WPF #: 38791

03-Sep-2008 04:23 PM

(Version: 1)

p.3

GWCP Information

Section 1 - Waste Prevention/Minimization (answer all questions)

Can hazard segregation, elimination, or material substitution be used?

Yes* No

Can any of the materials in the waste stream be recycled or reused?

Yes* No

Has waste minimization been incorporated into procedures or other process controls?

Yes No

Can this waste be generated outside a RCA?

Yes* No N/A

*Provide Comment

Section 6 - Work Control Documentation (answer all questions)

Do the procedures for this process cover how to manage this waste?

Yes No (Provide comments)

Do the procedures for this process cover controls to prevent changes to waste constituents and concentrations or addition or removal of waste?

Yes No (Provide comments)

Section 7 - Package and Storage Control

Describe how the waste will be packaged in according to the applicable WAC:

PACKAGED IN A ZIP-LOCK BAG

Identify the storage management controls that will be used for this waste stream: (check all that apply)

- Tamper indication devices:
 Limited use locks with log-in for waste
 Locked cabinet or building
 Other (describe)

Section 8 - Waste Certification Statements (check only one)

- Waste appears to meet WAC chapter for:
CHAPTER 8
 Waste needs exception/exemption for treatment, storage, or disposal at:
 Waste does not meet the criteria for any known TSDF, (DOE approval is required. Contact the Waste Management Program Office for assistance.)

Estimated Annual Volume (m3): 1

**TA-16 BURN GROUND
TREATMENT REQUEST FORM
(FOR RCRA-REGULATED HE AND HE-CONTAMINATED WASTES)**

Requested By: Sandy Powell	Group: WT-5	Phone: 5-0449	Date: 8-18-08
Accum. Start Date: <i>N/A</i>	Location of Waste: TA-16-260-bay 8		
Task Order-			
Classified: yes <input type="checkbox"/> no <input checked="" type="checkbox"/> Other Waste Concerns (e.g. carcinogens or other toxic material):			
Is this debris to be treated to the alternative 40 CFR 268.45 Standards? yes <input type="checkbox"/> no <input checked="" type="checkbox"/>			
Physical State (check one): solid <input type="checkbox"/> liquid <input type="checkbox"/> sludge <input checked="" type="checkbox"/>			
Waste Profile Form Number (a final, approved copy must be attached): 40033			

Shaded areas to be filled by WT-5 only.

HE or HE-Contaminated Waste Description	Quantity/units (see below)*		TA-16 Structure (EPA Treatment Code)	Date Staged	Date Treated
Solvents	<i>See 2nd page</i>	388	388 (X01)	<i>11/19/08</i>	<i>11/19/08</i>
Dry HE	Complete page 2	388 or 399	388 or 399 (X01)		
Wet HE	Complete page 2	388	388 (X01)		
Solvents		388	388 (X01)		
Combustible Solids – estimate pounds of HE by type on page 2		388	388 (X01)		
Non-combustible Solids – estimate pounds of HE by type on page 2		388	388 (X01)		
Other (describe – use page 2)	See page 2	See page 2	Various (X01)		

**Either use pounds (lb) or provide both a volume (liters or gallons) and density.*

Certification by WT-5 that above waste meets the WAC for the appropriate structure	
Name: <i>Sandra J Powell</i>	Date: <i>8/18/08</i>
Special Instruction to Disposal Unit Personnel:	

Additional Waste Information

Fill out for wastes falling under Wet HE or Dry HE on page 1:

Total amount of waste in pounds (including water in wet HE):		
Amount of HE in waste		
Explosive Number	Name	Amount (pounds)
0101	TNT	
6018	COMP-B	
9501	PBX-9501 / DMSO	2 Gallons Dmsol 16 pounds total
9502	PBX-9502	
9404	PBX-9404	
8003	XTX 8003	
8004	XTX 8004	
0534	X534	
Other:		

Fill out for wastes falling into the "Other" category on page 1:

Waste Description	Quantity/units (see below)*	TA-16 Structures (circle one) (EPA Treatment Code)	Date Staged	Date Treated
		388/399 (X01)		
		388/399 (X01)		

*Either use pounds (lbs) or provide both a volume (liters or gallons) and density.

**LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM**

WPF #: 40033

19-Nov-2008 09:37 AM

(Version: 2)

p.1

Generator : POWELL, SANDRA J. MS : P941 PH : 6650449 Z#: 150417
 WMC : VELASQUEZ, ELMER MS : C924 PH : 5056656088 Z#: 097683
 Contact :
 RCRA Rev : ELICIO ANDY U MS : J496 PH : 5056676956 Z#: 118692
 Status : ACTIVE Activation Date : 10/11/2007 Expiration Date: 11/03/2009
 Group : WT-5 TA : 16 Bldg : 000260 Room : BAY 8

You are required to keep a copy of the WPF(s) in your files for at least three years. This WPF(s) is valid for one year or as long as the composition of the waste you have characterized remains the same. Should your waste change, please submit a new WPF to Waste Acceptance Group.

Waste Accumu : Satellite Accumulation Area Site ID# 2742
 Method of Char : MSDS

Waste Type : Process Waste/Spent Chemical/Other
 Waste Classes: RCA Waste - Not RCA Waste
 RAD Waste - Non-rad

Waste Category: Explosive process

Waste Sources : Other - Non-routine

Waste Matrix : Non-aqueous

Matrix Type : Heterogeneous

Process Desc : DIMETHYL SULFOXIDE USED TO DISSOLVE PBX 9501 (95% HMX, 2.5% ESTANE AND 2.5% BDNPA/F).

Waste Desc : APPROXIMATELY .25 LBS. OF PBX 9501 WERE DISSOLVED IN 1 GALLON OF DIMETHYL SULFOXIDE (DMSO), RESULTING IN A SOLUTION OF 25% HMX. SOME OF THE DMSO WILL HAVE EVAPORATED, RESULTING IN A HMX SOLUTION OF UP TO 30%.

Ignitability : > 200 F >99.3

Corrosivity : Non-aqueous

Reactivity : Explosive - DOT Div. 1.1D

Boiling Point : > 95 F > 35 C

Toxicity Characteristic Metals: N/A

Toxicity Characteristic Organic Compounds: N/A

Additional Chemical Constituents and Contaminants:

CAS NO	Constituent	MIN	MAX	UOM
	PBX 9501	20	30	%
	DIMETHYL SULFOXIDE	60	70	%

LDR and Underlying Hazardous Constituents Information

Non-Wastewater/Wastewater Category: Non Wastewater

WASTE CHARACTERIZATION INFORMATION

Radioactivity Category : NON-RAD

LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM

WPF #: 40033

19-Nov-2008 09:37:AM

(Version: 2)

p.2

RCRA Category : HAZARDOUS WASTE

Secondary Info : N/A

Waste Classification : HAZARDOUS WASTE

Waste Acceptances :

EPA Hazardous Waste Code : D003

Notification Of Underlying Hazardous Constituents:

Constituents

No Underlying Hazardous Constituents in this waste stream

LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM

WPF #: 40033

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GWCP Information

Section 1 - Waste Prevention/Minimization (answer all questions)

Can hazard segregation, elimination, or material substitution be used?

Yes* No

Can any of the materials in the waste stream be recycled or reused

Yes* No

Has waste minimization been incorporated into procedures or other process controls?

Yes No

Can this waste be generated outside a RCA?

Yes* No N/A

*Provide Comment

Section 6 - Work Control Documentation (answer all questions)

Do the procedures for this process cover how to manage this waste?

Yes No (Provide comments)

Do the procedures for this process cover controls to prevent changes to waste constituents and concentrations or addition or removal of waste?

Yes No (Provide comments)

Section 7 - Package and Storage Control

Describe how the waste will be packaged in according to the applicable WAC:

DOT SPEC. DRUM

Identify the storage management controls that will be used for this waste stream: (check all that apply)

- Tamper indication devices:
- Limited use locks with log-in for waste
- Locked cabinet or building
- Other (describe)

Section 8 - Waste Certification Statements (check only one)

- Waste appears to meet WAC chapter for:
HAZARDOUS WASTE.
- Waste needs exception/exemption for treatment, storage, or disposal at:
- Waste does not meet the criteria for any known TSDF, (DOE approval is required. Contact the Waste Management Program Office for assistance.)

Estimated Annual Volume (m3): .19

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**TA-16 BURN GROUND
TREATMENT REQUEST FORM
(FOR RCRA-REGULATED HE AND HE-CONTAMINATED WASTES)**

Requested By: Jose Archuleta	Group: DE-1	Phone: 7-6361	Date: 9-8-2008
Accum. Start Date:	Location of Waste: TA-9-21-120, 121 & 132		
Task Order- 5K300A / RGCM / DETN / 0000			
Classified: yes <input type="checkbox"/> no <input checked="" type="checkbox"/> Other Waste Concerns (e.g. carcinogens or other toxic material):			
Is this debris to be treated to the alternative 40 CFR 268.45 Standards? yes <input type="checkbox"/> no <input checked="" type="checkbox"/>			
Physical State (check one): solid <input checked="" type="checkbox"/> liquid <input type="checkbox"/> sludge <input type="checkbox"/>			
Waste Profile Form Number (a final, approved copy must be attached):			39507

Shaded areas to be filled by WT-5 only.

HE or HE-Contaminated Waste Description	Quantity/units (see below)*		TA-16 Structure (EPA Treatment Code)	Date Staged	Date Treated
Solvents		388	388 (X01)		
Dry HE	Complete page 2	388 or 399	388 or 399 (X01)	12/2/08	12/2/08
Wet HE	Complete page 2	388	388 (X01)		
Solvents		388	388 (X01)		
Combustible Solids – estimate pounds of HE by type on page 2		388	388 (X01)		
Non-combustible Solids – estimate pounds of HE by type on page 2		388	388 (X01)		
Other (describe – use page 2)	See page 2	See page 2	Various (X01)		

**Either use pounds (lb) or provide both a volume (liters or gallons) and density.*

Certification by WT-5 ^{WT-DO} that above waste meets the WAC for the appropriate structure	
Name: <u>Sandra Powell</u>	Date: <u>11-03-08</u>
Special Instruction to Disposal Unit Personnel:	

Additional Waste Information

Fill out for wastes falling under Wet HE or Dry HE on page 1:

Total amount of waste in pounds (including water in wet HE):		
Amount of HE in waste		
Explosive Number	Name	Amount (pounds)
0101	TNT	37.8 grams
6018	COMP-B	
9501	PBX-9501	1.2 grams
9502	PBX-9502	
9404	PBX-9404	
8003	XTX 8003	47 grams
8004	XTX 8004	
0534	X534	
Other:	Mixed PETN, HMX, TNT ^{200g} ⁶²	227 grams 262g.
Other:	Trinitrostilbene	13 grams
Other:	HMX	168.8 grams
Other:	TATB	17.4 grams

Fill out for wastes falling into the "Other" category on page 1:

Waste Description	Quantity/units (see below)*	TA-16 Structures (circle one) (EPA Treatment Code)	Date Staged	Date Treated
		388/399 (X01)		
		388/399 (X01)		

*Either use pounds (lbs) or provide both a volume (liters or gallons) and density.

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WASTE PROFILE SYSTEM**

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Generator : ARCHULETA, JOSE GIL MS : C920 PH : 6676361 Z#: 079834
 WMC : PETERSEN, ROBYN MS : C925 PH : 5056659054 Z#: 086572
 Contact :
 RCRA Rev : LASH TAMMY A MS : J496 PH : 5056653454 Z#: 120424
 Status : ACTIVE Activation Date : 08/08/2006 Expiration Date : 08/05/2009
 Group : DE-2 TA : 09 Bldg : 000021 Room : 120

You are required to keep a copy of the WPF(s) in your files for at least three years. This WPF(s) is valid for one year or as long as the composition of the waste you have characterized remains the same. Should your waste change, please submit a new WPF to Waste Acceptance Group.

Waste Accumu : Satellite Accumulation Area Site ID# 907
 Method of Char : Acceptable Knowledge Documentation Number: SEE PROCESS + WASTE DESCRIPTION.

Waste Type : Process Waste/Spent Chemical/Other
 Waste Classes: RCA Waste - Not RCA Waste
 RAD Waste - Non-rad
 WW Info - TA16

Waste Category: Explosive process

Waste Sources : Research/Development/Testing

Waste Matrix : Aqueous

Matrix Type : Heterogeneous

Process Desc : THE COMPOSITION OF THE WASTE IS BASED ON VISUAL EXAMINATION. H.E. CONTAMINANTS INCLUDE RDX, HMX, PETN, TATB, NTO, TAGZT AND DAAF. THE EXPLOSIVES WILL DETONATE AT GREATER THAN THE SPEED OF SOUND. THE COMPOSITION OF THE EXPLOSIVES IS AVAILABLE FROM MSDS ON FILE WITH DX OR ESA.

Waste Desc : THE WASTE CONSISTS OF DETONABLE EXPLOSIVE POWDERS. PRESSED PETTETS OF EXPLOSIVES AND CELLULOSE PRODUCTS LOADED WITH SUFFICIENT EXPLOSIVE RESIDUE TO DETONATE. THE WASTE IS GENERATED FROM ANAYTICAL CHEMISTRY OPERATIONS. THE EXPLOSIVES ARE TRANSFERRED INTO THE WASTE CONTAINER BY WASHING WITH WATER. THE EXPLOSIVES ARE GROUP D EXPLOSIVES DUE TO ANALYTICAL PROCESSING.

Ignitability : Not ignitable
 Corrosivity : 6.1 - 9.0
 Reactivity : Explosive - DOT Div. 1.1D

Boiling Point : Not applicable

Toxicity Characteristic Metals: N/A

Toxicity Characteristic Organic Compounds:

Contaminant	Method	Limit	Min	Max	Unit
2,4-DINITROTOLUENE	AK		1	15	PPM

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Additional Chemical Constituents and Contaminants:

CAS NO	Constituent	MIN	MAX	UOM
	TRIAMINOTRINITROBENZENE (TATB)	1	5	%
	PENTAERYTHRITOL TETRANITRATE (PETN)	1	6.5	%
	CYCLOTETRAMETHYLENE TETRANITRAMINE (EMX)	1	6.5	%
	CYCLOTTRIMETHYLENE TRINITAMINE (RDX)	1	5	%
	TRINITROTOLUENE (TNT)	.01	.1	%
	DAAF	0	1	%
	CELLULOSE PRODUCTS/WATER	50	75	%
	KEL-F 800	.05	.15	%
	ESTANE	.05	.15	%
	ALUMINUM POWDER	.05	.15	%
	2,6-DINITROTOLUENE	0	.00001	%
	BTATZ	0	.15	%
	TAGZT	0	1	%

Additional Information: PLASTIC BONDED EXPLOSIVES MADE FROM COMBINING SOME OF THE COMPONENTS LISTED IN SECTION 5 MAY ALSO BE PRESENT IN THE WASTE. THE WASTE IS AT LEAST 20% WATER BY WEIGHT.

LDR and Underlying Hazardous Constituents Information

Non-Wastewater/Wastewater Category: **Non Wastewater**

WASTE CHARACTERIZATION INFORMATION

Radioactivity Category : **NON-RAD**

RCRA Category : **HAZARDOUS WASTE**

Secondary Info : **N/A**

Waste Classification : **HAZARDOUS WASTE**

Waste Acceptances : **TA-16 Acceptance**
OK FOR TA-16-388

EPA Hazardous Waste Code : **D003 D030**

Notification Of Underlying Hazardous Constituents:

Constituents

2,4-Dinitrotoluene

2,6-Dinitrotoluene

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Yes No

Can this waste be generated outside a RCA?

Yes* No N/A

*Provide Comment

Section 6 - Work Control Documentation (answer all questions)

Do the procedures for this process cover how to manage this waste?

Yes No (Provide comments)

Do the procedures for this process cover controls to prevent changes to waste constituents and concentrations or addition or removal of waste?

Yes No (Provide comments)

Section 7 - Package and Storage Control

Describe how the waste will be packaged in according to the applicable WAC:

POLYETHYLENE ZIP-LOCK BAG INSIDE OF A REUSABLE CONTAINER.

Identify the storage management controls that will be used for this waste stream: (check all that apply)

- Tamper indication devices:
- Limited use locks with log-in for waste
- Locked cabinet or building
- Other (describe)

Section 8 - Waste Certification Statements (check only one)

Waste appears to meet WAC chapter for:
8

Waste needs exception/exemption for treatment, storage, or disposal at:

Waste does not meet the criteria for any known TSDF, (DOE approval is required. Contact the Waste Management Program Office for assistance.)

Estimated Annual Volume (m3): .1