

National Aeronautics and Space
Administration

Lyndon B. Johnson Space Center
White Sands Test Facility
P.O. Box 20
Las Cruces, NM 88004-0020



March 1, 2013

Reply to Attn of: RE-13-028

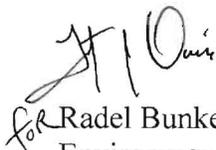
Las Cruces Fire Department
Emergency Planning Coordinator
Attn: Ms. Dolores Estrada, Office Assistant
P.O. Box 2000
Las Cruces, NM 88001

Subject: NASA White Sands Test Facility (WSTF) SARA Title III Emergency and
Hazardous Chemical Inventory Tier II Report for Calendar Year 2012

Enclosed is a paper copy of the completed Tier II Emergency and Hazardous Chemical
Inventory Report form for calendar year 2012, in accordance with SARA Title III.

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

If you have any questions or comments concerning this submittal, please contact Michael
Jones of my staff at 575-524-5604.


for Radel Bunker-Farrah
Environmental Office Chief

Enclosure

Facility Name: NASA White Sands Test Facility

FACILITY IDENTIFICATION:

NASA White Sands Test Facility
Dept:
12600 NASA Road
Las Cruces, NM 88011 USA
County: Dona Ana
Number of employees: 663
Latitude: +32.508333
Longitude: -106.608333
Method: G4 - GPS (Precise Positioning Service)
Description: CE - Center of Facility

IDENTIFICATION NUMBERS:

NAICS: 92711 (Space Research and Technology)
SIC: 9661 (SPACE RESEARCH AND TECHNOLOGY)

CONTACT INFORMATION:

Bunker-Farrah, Radel
Title: Office Chief Contact Type 1: Owner / Operator
Address: PO Box 20, Las Cruces, NM, 88004 USA
Phones: Work: 575-524-5733
Email: radel.l.bunker-farrah@nasa.gov

Jones, Thomas
Title: Fire Chief Contact Type 1: Fire Department Contact Type 2: Emergency Contact
Address: 12600 NASA Road, Las Cruces, NM, 88012 USA
Phones: Mobile - Cell: 575-649-3687 Work: 575-524-5217 24-hour: 575-524-5911
Email: thomas.jones-1@nasa.gov

CHEMICAL DESCRIPTIONS:

All chemicals in inventory are identical to last year's submission

CHEM NAME: 1,1-DIMETHYL HYDRAZINE

CAS: 57-14-7

Identical to previous year
 TRADE SECRET
 Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Max Amt: 1997 pounds Max Daily Amt code: 03 (1,000 - 9,999 pounds)
Avg Amt: 1997 pounds Avg Daily Amt code: 03 (1,000 - 9,999 pounds)
Max quantity in largest container: 462 pounds
No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: M Pressure: 1 Temp: 4 Location: Area 200 Laboratories Amount: 1 pounds

Facility Name: NASA White Sands Test Facility

Container Type: D Pressure: 1 Temp: 4 Location: Area 500 Fuel Storage Amount: 1996 pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

CHEM NAME: 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE

CAS: 76-13-1

Identical to previous year

TRADE SECRET

Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Max Amt: 2103 pounds Max Daily Amt code: 03 (1,000 - 9,999 pounds)

Avg Amt: 1411 pounds Avg Daily Amt code: 03 (1,000 - 9,999 pounds)

Max quantity in largest container: 30 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: D Pressure: 1 Temp: 4 Location: Area 100 Warehouse Amount: 2073 pounds

Container Type: D Pressure: 1 Temp: 4 Location: Area 200 Laboratories Amount: 30 pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

CHEM NAME: CHLORINE

CAS: 7782-50-5

Identical to previous year

TRADE SECRET

Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Max Amt: 500 pounds Max Daily Amt code: 02 (100 - 999 pounds)

Avg Amt: 430 pounds Avg Daily Amt code: 02 (100 - 999 pounds)

Max quantity in largest container: 150 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: L Pressure: 2 Temp: 4 Location: Area 100 Warehouse Amount: 40 pounds

Container Type: L Pressure: 2 Temp: 4 Location: Area 600 Water Booster #1 Amount: 450 pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

CHEM NAME: DIESEL FUEL

CAS: 68476-34-6

Identical to previous year

TRADE SECRET

Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Max Amt: 51114 pounds Max Daily Amt code: 04 (10,000 - 99,999 pounds)

Facility Name: NASA White Sands Test Facility

Avg Amt: 26649 pounds Avg Daily Amt code: 04 (10,000 - 99,999 pounds)

Max quantity in largest container: 51114 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: P Pressure: 1 Temp: 4 Location: Area 100 Heavy Equipment Amount: 12512 pounds

Container Type: A Pressure: 1 Temp: 4 Location: Area 300 Boiler Supply Amount: 13858 pounds

Container Type: A Pressure: 1 Temp: 4 Location: Area 400 Boiler Supply Amount: 51114 pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

CHEM NAME: ETHANOL

CAS: 64-17-5

Identical to previous year

TRADE SECRET

Pure Mix Solid Liquid Gas EHS

CHEMICAL COMPONENTS:

EHS, CAS: 64-17-5, Component: ETHANOL, 85% Vol

EHS, CAS: 8006-61-9, Component: GASOLINE, 15% Vol

PHYSICAL & HEALTH HAZARDS:

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Max Amt: 9945 pounds Max Daily Amt code: 03 (1,000 - 9,999 pounds)

Avg Amt: 8200 pounds Avg Daily Amt code: 03 (1,000 - 9,999 pounds)

Max quantity in largest container: 9945 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: B Pressure: 1 Temp: 4 Location: Area 100 E85 Fueling Station Amount: 9945 pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

CHEM NAME: GASOLINE

CAS: 8006-61-9

Identical to previous year

TRADE SECRET

Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Max Amt: 25000 pounds Max Daily Amt code: 04 (10,000 - 99,999 pounds)

Avg Amt: 21875 pounds Avg Daily Amt code: 04 (10,000 - 99,999 pounds)

Max quantity in largest container: 25000 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: B Pressure: 1 Temp: 4 Location: Area 100 Unleaded Fueling Station Amount: 25000 pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

CHEM NAME: HYDRAZINE

CAS: 302-01-2

Emergency and Hazardous Chemical Inventory

Specific Information by Chemical

Facility Name: NASA White Sands Test Facility

 Identical to previous year TRADE SECRET Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

 Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Max Amt: 11043 pounds Max Daily Amt code: 04 (10,000 - 99,999 pounds)

Avg Amt: 9129 pounds Avg Daily Amt code: 03 (1,000 - 9,999 pounds)

Max quantity in largest container: 462 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: L Pressure: 2 Temp: 4 Location: Area 200 Laboratories Amount: 2 pounds

Container Type: A Pressure: 1 Temp: 4 Location: Area 300 Test Stands Amount: 2330 pounds

Container Type: L Pressure: 1 Temp: 4 Location: Area 500 Fuel Storage Amount: 7111 pounds

Container Type: A Pressure: 1 Temp: 4 Location: Area 800 Test Stands Amount: 1600 pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

CHEM NAME: HYDROGEN (LIQUEFIED)

CAS: 1333-74-0

 Identical to previous year TRADE SECRET Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

 Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Max Amt: 5000 pounds Max Daily Amt code: 03 (1,000 - 9,999 pounds)

Avg Amt: 5000 pounds Avg Daily Amt code: 03 (1,000 - 9,999 pounds)

Max quantity in largest container: 5000 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: A Pressure: 2 Temp: 7 Location: Area 200 Laboratories Amount: 5000 pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

CHEM NAME: HYDROGEN, GAS

CAS: 1333-74-0

 Identical to previous year TRADE SECRET Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

 Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Max Amt: 10414 pounds Max Daily Amt code: 04 (10,000 - 99,999 pounds)

Avg Amt: 5608 pounds Avg Daily Amt code: 03 (1,000 - 9,999 pounds)

Max quantity in largest container: 10000 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: L Pressure: 2 Temp: 4 Location: Area 100 Warehouse Amount: 14 pounds

Container Type: L Pressure: 2 Temp: 4 Location: Area 200 Laboratories Amount: 400 pounds

Container Type: A Pressure: 2 Temp: 4 Location: Area 200 Laboratories Amount: 10000 pounds

Facility Name: NASA White Sands Test Facility

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

CHEM NAME: ISO-PROPYL ALCOHOL

CAS: 67-63-0

Identical to previous year

TRADE SECRET

Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Max Amt: 341000 pounds Max Daily Amt code: 05 (100,000 - 999,999 pounds)

Avg Amt: 201000 pounds Avg Daily Amt code: 05 (100,000 - 999,999 pounds)

Max quantity in largest container: 341000 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: N Pressure: 1 Temp: 4 Location: Area 100 Warehouse Amount: 2 pounds

Container Type: N Pressure: 1 Temp: 4 Location: Area 200 Laboratories Amount: 2 pounds

Container Type: A Pressure: 1 Temp: 4 Location: Area 400 Test Stands Amount: 341000 pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

CHEM NAME: LIQUID NITROGEN

CAS: 7727-37-9

Identical to previous year

TRADE SECRET

Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Max Amt: 152502 pounds Max Daily Amt code: 05 (100,000 - 999,999 pounds)

Avg Amt: 97892 pounds Avg Daily Amt code: 04 (10,000 - 99,999 pounds)

Max quantity in largest container: 57440 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: A Pressure: 2 Temp: 7 Location: Area 200 Laboratories Amount: 19000 pounds

Container Type: A Pressure: 2 Temp: 7 Location: Area 400 Test Stands Amount: 50580 pounds

Container Type: A Pressure: 2 Temp: 7 Location: Area 500 Fuel Storage Amount: 82922 pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

CHEM NAME: LIQUID OXYGEN

CAS: 7782-44-7

Identical to previous year

TRADE SECRET

Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Emergency and Hazardous Chemical Inventory

Specific Information by Chemical

Facility Name: NASA White Sands Test Facility

Max Amt: 403223 pounds Max Daily Amt code: 05 (100,000 - 999,999 pounds)

Avg Amt: 201000 pounds Avg Daily Amt code: 05 (100,000 - 999,999 pounds)

Max quantity in largest container: 318000 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: A Pressure: 2 Temp: 7 Location: Area 400 Test Stands Amount: 317633 pounds

Container Type: A Pressure: 2 Temp: 7 Location: Area 800 Test Stands Amount: 85590 pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

CHEM NAME: MONOMETHYLHYDRAZINE

CAS: 60-34-4

 Identical to previous year TRADE SECRET Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

 Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Max Amt: 86273 pounds Max Daily Amt code: 04 (10,000 - 99,999 pounds)

Avg Amt: 86273 pounds Avg Daily Amt code: 04 (10,000 - 99,999 pounds)

Max quantity in largest container: 462 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: L Pressure: 2 Temp: 4 Location: Area 200 Laboratories Amount: 1 pounds

Container Type: A Pressure: 2 Temp: 4 Location: Area 300 Test Stands Amount: 42833 pounds

Container Type: A Pressure: 2 Temp: 4 Location: Area 400 Test Stands Amount: 30099 pounds

Container Type: D Pressure: 2 Temp: 4 Location: Area 500 Fuel Storage Amount: 13341 pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

CHEM NAME: NITROGEN GAS

CAS: 7727-37-9

 Identical to previous year TRADE SECRET Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

 Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Max Amt: 58614 pounds Max Daily Amt code: 04 (10,000 - 99,999 pounds)

Avg Amt: 42631 pounds Avg Daily Amt code: 04 (10,000 - 99,999 pounds)

Max quantity in largest container: 27125 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: L Pressure: 2 Temp: 4 Location: Area 100 Warehouse Amount: 380 pounds

Container Type: A Pressure: 2 Temp: 4 Location: Area 200 Laboratories Amount: 19000 pounds

Container Type: A Pressure: 2 Temp: 4 Location: Area 400 Test Stands Amount: 27125 pounds

Container Type: A Pressure: 2 Temp: 4 Location: Area 500 Fuel Storage Amount: 8524 pounds

Container Type: R Pressure: 2 Temp: 4 Location: Site Wide Piping Amount: 3100 pounds

Container Type: L Pressure: 2 Temp: 4 Location: Area 600 Multiple Locations Amount: 485 pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

Facility Name: NASA White Sands Test Facility

CHEM NAME: NITROGEN TETROXIDE (N2O4)

CAS: 10102-44-0

Identical to previous year

TRADE SECRET

Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Max Amt: 50157 pounds Max Daily Amt code: 04 (10,000 - 99,999 pounds)

Avg Amt: 49201 pounds Avg Daily Amt code: 04 (10,000 - 99,999 pounds)

Max quantity in largest container: 25482 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: L Pressure: 2 Temp: 4 Location: Area 200 Laboratories Amount: 1 pounds

Container Type: A Pressure: 2 Temp: 4 Location: Area 300 Test Stands Amount: 21951 pounds

Container Type: A Pressure: 2 Temp: 4 Location: Area 400 Test Stands Amount: 2722 pounds

Container Type: L Pressure: 2 Temp: 4 Location: Area 500 Oxidizer Storage Amount: 25482 pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

CHEM NAME: OXYGEN GAS

CAS: 7782-44-7

Identical to previous year

TRADE SECRET

Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Max Amt: 19330 pounds Max Daily Amt code: 04 (10,000 - 99,999 pounds)

Avg Amt: 13220 pounds Avg Daily Amt code: 04 (10,000 - 99,999 pounds)

Max quantity in largest container: 19000 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: L Pressure: 2 Temp: 4 Location: Area 100 Warehouse Amount: 330 pounds

Container Type: A Pressure: 2 Temp: 4 Location: Area 200 Laboratories Amount: 19000 pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

CHEM NAME: PROPANE

CAS: 74-98-6

Identical to previous year

TRADE SECRET

Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Max Amt: 22369 pounds Max Daily Amt code: 04 (10,000 - 99,999 pounds)

Avg Amt: 11419 pounds Avg Daily Amt code: 04 (10,000 - 99,999 pounds)

Facility Name: NASA White Sands Test Facility

Max quantity in largest container: 9563 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: A Pressure: 2 Temp: 4 Location: Area 300 Test Stands Amount: 8606 pounds
Container Type: A Pressure: 2 Temp: 4 Location: Area 400 Test Stands Amount: 9563 pounds
Container Type: L Pressure: 2 Temp: 4 Location: Area 600 Multiple Locations Amount: 200 pounds
Container Type: A Pressure: 2 Temp: 4 Location: Area 800 Test Stands Amount: 4000 pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

CHEM NAME: SULFURIC ACID

CAS: 7664-93-9

Identical to previous year

TRADE SECRET

Pure Mix Solid Liquid Gas EHS

CHEMICAL COMPONENTS:

EHS, CAS: , Component: , %

PHYSICAL & HEALTH HAZARDS:

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Max Amt: 1167 pounds Max Daily Amt code: 03 (1,000 - 9,999 pounds)

Avg Amt: 1167 pounds Avg Daily Amt code: 03 (1,000 - 9,999 pounds)

Max quantity in largest container: 16 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: M Pressure: 1 Temp: 4 Location: 200 Area Laboratory Amount: 22 pounds

Container Type: R Pressure: 1 Temp: 4 Location: Backup power supply units for 530 site PCs Amount: 2 pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

FACILITY STATE FIELDS:

New Mexico requests the following:

Owner/Operator Name: NASA/Radel Bunker-Farrah

If Yes - Name of Nation:

Is the facility on tribal land?: No

Number of facilities for this owner/operator: 1

STATE / LOCAL FEES: \$0.00

I have attached a site plan

I have attached a list of site coordinate abbreviations

I have attached a description of dikes and other safeguard measures

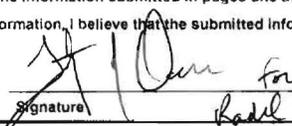
Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 8.

and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Radel Bunker-Farrah

Name and official title of owner/operator
OR owner/operator's authorized representative


Signature

2/28/2013

Date signed

**Tier Two Emergency and Hazardous Chemical Inventory
Reporting Period From January 1 to December 31, 2012**

Facility Identification Name NASA White Sands Test Facility Street 12600 NASA Road City Las Cruces County Dona Ana State NM Zip 88011 Latitude +32.508333 Longitude -106.608333 Country USA	Owner/Operator Name Name Radel Bunker-Farrah Phone 575-524-5733 Mail Address PO Box 20 City Las Cruces State NM Zip 88004 Country USA
Mailing Address (if different from facility address) Street City State Zip Country	Emergency Contact Name Thomas Jones Title Fire Chief Phone 575-649-3687 24 Hr. Phone 575-524-5911 Name Title Phone 24 Hr. Phone
NAICS Code 92711 Dun & Brad Number	

Chemical Description	Physical and Health Hazards	Inventory	Container Type	Pressure	Temperature	Storage Codes and Locations (Non-Confidential)
<input type="checkbox"/> Check if all of the information for this chemical is identical to the information submitted last year CAS 57-14-7 Trade Secret <input type="checkbox"/> Chem. Name 1,1-DIMETHYL HYDRAZINE Check All That Apply: <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input checked="" type="checkbox"/> EHS	<input checked="" type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input checked="" type="checkbox"/> Delayed (chronic)	03 Max. Daily Amount (code) 03 Avg. Daily Amount (code) 365 No. of Days On-site (days)	M	1	4	Area 200 Laboratories
			D	1	4	Area 500 Fuel Storage
<input type="checkbox"/> Check if all of the information for this chemical is identical to the information submitted last year CAS 76-13-1 Trade Secret <input type="checkbox"/> Chem. Name 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE Check All That Apply: <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS	<input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	03 Max. Daily Amount (code) 03 Avg. Daily Amount (code) 365 No. of Days On-site (days)	D	1	4	Area 100 Warehouse
			D	1	4	Area 200 Laboratories

Certification (Read and sign after completing all sections) I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 6, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete. Radel Bunker-Farrah Name and official title of owner/operator OR owner/operator's authorized representative Signature <i>Radel Bunker-Farrah</i> Date signed 2/28/2013	Optional Attachments <input type="checkbox"/> I have attached a site plan <input type="checkbox"/> I have attached a list of site coordinate abbreviations <input type="checkbox"/> I have attached a description of dikes and other safeguards measures
---	--

Chemical Description	Physical and Health Hazards	Inventory	Container Type	Pressure	Temperature	Storage Codes and Locations (Non-Confidential)
<input type="checkbox"/> Check if all of the information for this chemical is identical to the information submitted last year CAS 7782-50-5 Trade Secret <input type="checkbox"/> Chem. Name CHLORINE Check All That Apply: <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input checked="" type="checkbox"/> EHS	<input type="checkbox"/> Fire <input checked="" type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input checked="" type="checkbox"/> Delayed (chronic)	02 Max. Daily Amount (code) 02 Avg. Daily Amount (code) 365 No. of Days On-site (days)	L	2	4	Area 100 Warehouse
			L	2	4	Area 600 Water Booster #1
<input type="checkbox"/> Check if all of the information for this chemical is identical to the information submitted last year CAS 68476-34-6 Trade Secret <input type="checkbox"/> Chem. Name DIESEL FUEL Check All That Apply: <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS	<input checked="" type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate (acute) <input checked="" type="checkbox"/> Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-site (days)	P	1	4	Area 100 Heavy Equipment
			A	1	4	Area 300 Boiler Supply
			A	1	4	Area 400 Boiler Supply
<input type="checkbox"/> Check if all of the information for this chemical is identical to the information submitted last year CAS 64-17-5 Trade Secret <input type="checkbox"/> Chem. Name ETHANOL Check All That Apply: <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS	<input checked="" type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input checked="" type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	03 Max. Daily Amount (code) 03 Avg. Daily Amount (code) 365 No. of Days On-site (days)	B	1	4	Area 100 E85 Fueling Station
<input type="checkbox"/> Check if all of the information for this chemical is identical to the information submitted last year CAS 8006-61-9 Trade Secret <input type="checkbox"/> Chem. Name GASOLINE Check All That Apply: <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS	<input checked="" type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate (acute) <input checked="" type="checkbox"/> Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-site (days)	B	1	4	Area 100 Unleaded Fueling Station

Chemical Description	Physical and Health Hazards	Inventory	Container Type	Pressure	Temperature	Storage Codes and Locations (Non-Confidential)
<input type="checkbox"/> Check if all of the information for this chemical is identical to the information submitted last year CAS 302-01-2 Trade Secret <input type="checkbox"/> Chem. Name HYDRAZINE Check All That Apply: <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input checked="" type="checkbox"/> EHS	<input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input checked="" type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input checked="" type="checkbox"/> Delayed (chronic)	04 Max. Daily Amount (code) 03 Avg. Daily Amount (code) 365 No. of Days On-site (days)	L	2	4	Area 200 Laboratories
			A	1	4	Area 300 Test Stands
			L	1	4	Area 500 Fuel Storage
			A	1	4	Area 800 Test Stands
<input type="checkbox"/> Check if all of the information for this chemical is identical to the information submitted last year CAS 1333-74-0 Trade Secret <input type="checkbox"/> Chem. Name HYDROGEN (LIQUEFIED) Check All That Apply: <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS	<input checked="" type="checkbox"/> Fire <input checked="" type="checkbox"/> Sudden Release of Pressure <input checked="" type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	03 Max. Daily Amount (code) 03 Avg. Daily Amount (code) 365 No. of Days On-site (days)	A	2	7	Area 200 Laboratories
<input type="checkbox"/> Check if all of the information for this chemical is identical to the information submitted last year CAS 1333-74-0 Trade Secret <input type="checkbox"/> Chem. Name HYDROGEN, GAS Check All That Apply: <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Gas <input type="checkbox"/> EHS	<input checked="" type="checkbox"/> Fire <input checked="" type="checkbox"/> Sudden Release of Pressure <input checked="" type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	04 Max. Daily Amount (code) 03 Avg. Daily Amount (code) 365 No. of Days On-site (days)	L	2	4	Area 100 Warehouse
			L	2	4	Area 200 Laboratories
			A	2	4	Area 200 Laboratories
<input type="checkbox"/> Check if all of the information for this chemical is identical to the information submitted last year CAS 67-63-0 Trade Secret <input type="checkbox"/> Chem. Name ISO-PROPYL ALCOHOL Check All That Apply: <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS	<input checked="" type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input checked="" type="checkbox"/> Reactivity <input type="checkbox"/> Immediate (acute) <input checked="" type="checkbox"/> Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-site (days)	N	1	4	Area 100 Warehouse
			N	1	4	Area 200 Laboratories
			A	1	4	Area 400 Test Stands

Chemical Description	Physical and Health Hazards	Inventory	Container Type	Pressure	Temperature	Storage Codes and Locations (Non-Confidential)
<input type="checkbox"/> Check if all of the information for this chemical is identical to the information submitted last year CAS 7727-37-9 Trade Secret <input type="checkbox"/> Chem. Name LIQUID NITROGEN Check All That Apply: <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS	<input type="checkbox"/> Fire <input checked="" type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	05 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-site (days)	A	2	7	Area 200 Laboratories
			A	2	7	Area 400 Test Stands
			A	2	7	Area 500 Fuel Storage
<input type="checkbox"/> Check if all of the information for this chemical is identical to the information submitted last year CAS 7782-44-7 Trade Secret <input type="checkbox"/> Chem. Name LIQUID OXYGEN Check All That Apply: <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS	<input type="checkbox"/> Fire <input checked="" type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	05 Max. Daily Amount (code) 05 Avg. Daily Amount (code) 365 No. of Days On-site (days)	A	2	7	Area 400 Test Stands
			A	2	7	Area 800 Test Stands
<input type="checkbox"/> Check if all of the information for this chemical is identical to the information submitted last year CAS 60-34-4 Trade Secret <input type="checkbox"/> Chem. Name MONOMETHYLHYDRAZINE Check All That Apply: <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input checked="" type="checkbox"/> EHS	<input checked="" type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input checked="" type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input checked="" type="checkbox"/> Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-site (days)	L	2	4	Area 200 Laboratories
			A	2	4	Area 300 Test Stands
			A	2	4	Area 400 Test Stands
			D	2	4	Area 500 Fuel Storage
<input type="checkbox"/> Check if all of the information for this chemical is identical to the information submitted last year CAS 7727-37-9 Trade Secret <input type="checkbox"/> Chem. Name NITROGEN GAS Check All That Apply: <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Gas <input type="checkbox"/> EHS	<input type="checkbox"/> Fire <input checked="" type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-site (days)	L	2	4	Area 100 Warehouse
			A	2	4	Area 200 Laboratories
			A	2	4	Area 400 Test Stands
			A	2	4	Area 500 Fuel Storage
			R	2	4	Site Wide Piping

Chemical Description	Physical and Health Hazards	Inventory	Container Type	Pressure	Temperature	Storage Codes and Locations (Non-Confidential)
			L	2	4	
Additional storage locations for NITROGEN GAS			L	2	4	Area 600 Multiple Locations
<input type="checkbox"/> Check if all of the information for this chemical is identical to the information submitted last year CAS 10102-44-0 Trade Secret <input type="checkbox"/> Chem. Name NITROGEN TETROXIDE (N2O4) Check All That Apply: <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input checked="" type="checkbox"/> EHS	<input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input checked="" type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-site (days)	L	2	4	Area 200 Laboratories
			A	2	4	Area 300 Test Stands
			A	2	4	Area 400 Test Stands
			L	2	4	Area 500 Oxidizer Storage
<input type="checkbox"/> Check if all of the information for this chemical is identical to the information submitted last year CAS 7782-44-7 Trade Secret <input type="checkbox"/> Chem. Name OXYGEN GAS Check All That Apply: <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Gas <input type="checkbox"/> EHS	<input checked="" type="checkbox"/> Fire <input checked="" type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-site (days)	L	2	4	Area 100 Warehouse
			A	2	4	Area 200 Laboratories
<input type="checkbox"/> Check if all of the information for this chemical is identical to the information submitted last year CAS 74-98-6 Trade Secret <input type="checkbox"/> Chem. Name PROPANE Check All That Apply: <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input checked="" type="checkbox"/> Gas <input type="checkbox"/> EHS	<input checked="" type="checkbox"/> Fire <input checked="" type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-site (days)	A	2	4	Area 300 Test Stands
			A	2	4	Area 400 Test Stands
			L	2	4	Area 600 Multiple Locations
			A	2	4	Area 800 Test Stands

Chemical Description	Physical and Health Hazards	Inventory	Container Type	Pressure	Temperature	Storage Codes and Locations (Non-Confidential)
<input type="checkbox"/> Check if all of the information for this chemical is identical to the information submitted last year <hr/> CAS 7664-93-9 Trade Secret <input type="checkbox"/> Chem. Name SULFURIC ACID Check All That Apply: <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input checked="" type="checkbox"/> EHS	<input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input checked="" type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	03 Max. Daily Amount (code) 03 Avg. Daily Amount (code) 365 No. of Days On-site (days)	M	1	4	200 Area Laboratory
			R	1	4	Backup power supply units for 530 site PCs

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

National Aeronautics and
Space Administration

Mail Code: *RE-13-028*
Lyndon B. Johnson Space Center
White Sands Test Facility
Post Office Box 20
Las Cruces, NM 88004-0020

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

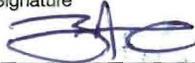
1. Article Addressed to:

Las Cruces Fire Dept.
Emergency Planning Coordinator
Attn: Ms. Dolores Estrada, Office Assistant
P.O. Box 2000
Las Cruces, NM 88001

2. Article Number
(Transfer from service label)

7009 3410 0001 5868 2763

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X  Agent
 Addressee

B. Received by (Printed Name) C. Date of Delivery
F. Corella 3/6/03

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

PO Box 2000
Las Cruces NM 88004

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes