

National Aeronautics and
Space Administration

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



February 27, 2012

Reply to Attn of: RE-12-024

New Mexico Environment Department
Attn: Mr. Don Shainin
New Mexico Department of Homeland Security and Emergency Management
P.O. Box 27111
Santa Fe, NM 87502

Subject: NASA White Sands Test Facility (WSTF)
SARA Title III Emergency and Hazardous Chemical Inventory
Tier II Report for Calendar Year 2011

Enclosure 1 contains a paper copy of the completed Tier II Emergency and Hazardous Chemical Inventory Report form for calendar year 2011, in accordance with SARA Title III. Enclosure 2 contains a duplicate CD-ROM copy of the report form in PDF format.

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.

A handwritten signature in black ink, appearing to read "Radel Bunker-Farrar".

Radel Bunker-Farrar
Chief, Environmental Office

Enclosures (2)

cc (Paper copy only):
Ms. Dolores Estrada, Office Assistant
Emergency Planning Coordinator
Las Cruces Fire Department
P.O. Box 20000
Las Cruces, NM 88001

Facility Name: NASA White Sands Test Facility

FACILITY IDENTIFICATION:

NASA White Sands Test Facility
Dept:
12600 NASA Road
Las Cruces, NM 88012 USA
County: Dona Ana
Number of employees: 650
MAILING ADDRESS: PO Box 20
Las Cruces, NM 88004 USA

IDENTIFICATION NUMBERS:

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

CONTACT INFORMATION:

WSTF Fire Department,
Contact Type 1: Emergency Contact
Address: 12600 NASA Road, Las Cruces, NM, 88012 USA
Phones: 24-hour: 575-524-5911

NASA White Sands Test Facility,
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

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

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

No of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

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

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

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

Facility Name: NASA White Sands Test Facility

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

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

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

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

Container Type: D Pressure: 1 Temp: 4 Location: 200 Area Amount: 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 Daily Amt code: 02 (100 - 999 pounds)

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

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

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

Container Type: L Pressure: 2 Temp: 4 Location: 600 Area Amount: 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 Daily Amt code: 05 (100,000 - 999,999 pounds)

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

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: A Pressure: 1 Temp: 4 Location: 100 Area Amount: pounds

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

Emergency and Hazardous Chemical Inventory

Specific Information by Chemical

Facility Name: NASA White Sands Test Facility

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

Container Type: P Pressure: 1 Temp: 4 Location: 100 Area Amount: 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

PHYSICAL & HEALTH HAZARDS:

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

INVENTORY:

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

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

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: B Pressure: 1 Temp: 4 Location: 100 Area Amount: pounds

Container Type: N Pressure: 1 Temp: 4 Location: 200 Area Amount: 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 Daily Amt code: 04 (10,000 - 99,999 pounds)

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

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: B Pressure: 1 Temp: 4 Location: 100 Area Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

CHEM NAME: HYDRAZINE

CAS: 302-01-2

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

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

No. of days on-site: 365

Facility Name: NASA White Sands Test Facility

STORAGE CODES & STORAGE LOCATIONS:

Container Type: L	Pressure: 2	Temp: 4	Location: 200 Area	Amount: pounds
Container Type: A	Pressure: 1	Temp: 4	Location: 300 Area	Amount: pounds
Container Type: L	Pressure: 1	Temp: 4	Location: 500 Area	Amount: pounds
Container Type: A	Pressure: 1	Temp: 4	Location: 800 Area	Amount: 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 Daily Amt code: 03 (1,000 - 9,999 pounds)
Avg Daily Amt code: 03 (1,000 - 9,999 pounds)
No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: A	Pressure: 2	Temp: 7	Location: 200 Area	Amount: pounds
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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 Daily Amt code: 04 (10,000 - 99,999 pounds)
Avg Daily Amt code: 03 (1,000 - 9,999 pounds)
No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: L	Pressure: 2	Temp: 4	Location: 100 Area	Amount: pounds
Container Type: L	Pressure: 2	Temp: 4	Location: 200 Area	Amount: pounds
Container Type: A	Pressure: 2	Temp: 4	Location: 200 Area	Amount: pounds

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)

Facility Name: NASA White Sands Test Facility

INVENTORY:

Max Daily Amt code: 05 (100,000 - 999,999 pounds)
Avg Daily Amt code: 05 (100,000 - 999,999 pounds)
No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: D	Pressure: 1	Temp: 4	Location: 100 Area	Amount: pounds
Container Type: D	Pressure: 1	Temp: 4	Location: 200 Area	Amount: pounds
Container Type: A	Pressure: 1	Temp: 4	Location: 400 Area	Amount: 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:

Max Daily Amt code: 05 (100,000 - 999,999 pounds)
Avg Daily Amt code: 05 (100,000 - 999,999 pounds)
No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: A	Pressure: 2	Temp: 7	Location: 200 Area	Amount: pounds
Container Type: A	Pressure: 2	Temp: 7	Location: 400 Area	Amount: pounds
Container Type: A	Pressure: 2	Temp: 7	Location: 800 Area	Amount: 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 Daily Amt code: 04 (10,000 - 99,999 pounds)
Avg Daily Amt code: 04 (10,000 - 99,999 pounds)
No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: L	Pressure: 2	Temp: 4	Location: 200 Area	Amount: pounds
Container Type: A	Pressure: 2	Temp: 4	Location: 300 Area	Amount: pounds
Container Type: A	Pressure: 2	Temp: 4	Location: 400 Area	Amount: pounds
Container Type: D	Pressure: 2	Temp: 4	Location: 500 Area	Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

CHEM NAME: NITROGEN (LIQUEFIED)

Facility Name: NASA White Sands Test Facility

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 Daily Amt code: 05 (100,000 - 999,999 pounds)
Avg Daily Amt code: 04 (10,000 - 99,999 pounds)
No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: A	Pressure: 2	Temp: 7	Location: 200 Area	Amount: pounds
Container Type: A	Pressure: 2	Temp: 7	Location: 400 Area	Amount: pounds
Container Type: A	Pressure: 2	Temp: 7	Location: 500 Area	Amount: 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 Daily Amt code: 04 (10,000 - 99,999 pounds)
Avg Daily Amt code: 04 (10,000 - 99,999 pounds)
No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: L	Pressure: 2	Temp: 4	Location: 100 Area	Amount: pounds
Container Type: A	Pressure: 2	Temp: 4	Location: 200 Area	Amount: pounds
Container Type: A	Pressure: 2	Temp: 4	Location: 400 Area	Amount: pounds
Container Type: A	Pressure: 2	Temp: 4	Location: 500 Area	Amount: pounds
Container Type: R	Pressure: 2	Temp: 4	Location: Site Wide Piping	Amount: pounds
Container Type: L	Pressure: 2	Temp: 4	Location: 600 Area	Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

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 Daily Amt code: 04 (10,000 - 99,999 pounds)
Avg Daily Amt code: 04 (10,000 - 99,999 pounds)
No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Facility Name: NASA White Sands Test Facility

Container Type: L	Pressure: 2	Temp: 4	Location: 200 Area	Amount: pounds
Container Type: A	Pressure: 2	Temp: 4	Location: 300 Area	Amount: pounds
Container Type: A	Pressure: 2	Temp: 4	Location: 400 Area	Amount: pounds
Container Type: L	Pressure: 2	Temp: 4	Location: 500 Area	Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

CHEM NAME: 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:

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

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

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: L	Pressure: 2	Temp: 4	Location: 100 Area	Amount: pounds
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Container Type: A	Pressure: 2	Temp: 4	Location: 200 Area	Amount: pounds
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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 Daily Amt code: 04 (10,000 - 99,999 pounds)

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

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: L	Pressure: 2	Temp: 4	Location: 300 Area	Amount: pounds
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Container Type: L	Pressure: 2	Temp: 4	Location: 400 Area	Amount: pounds
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Container Type: L	Pressure: 2	Temp: 4	Location: 600 Area	Amount: pounds
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Container Type: L	Pressure: 2	Temp: 4	Location: 800 Area	Amount: pounds
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CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by New Mexico

FACILITY STATE FIELDS:

No additional information is required by New Mexico

STATE / LOCAL FEES: None.

I have attached a site plan

Facility Name: NASA White Sands Test Facility

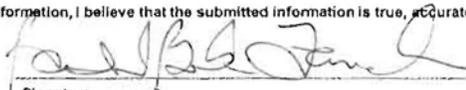
- I have attached a list of site coordinate abbreviations
 I have attached a description of dikes and other safeguard measures

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.

Environmental Program Manager

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



Signature

2/28/2012

Date signed

UNITED STATES POSTAL SERVICE



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

National Aeronautics and
Space Administration

Mail Code: *RE-17-024*
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:

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 Addressee
 X 

B. Received by (Printed Name) C. Date of Delivery
 F. Corella 3/5/12

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

<input type="checkbox"/> Certified Mail	<input type="checkbox"/> Express Mail
<input type="checkbox"/> Registered	<input checked="" type="checkbox"/> Return Receipt for Merchandise
<input type="checkbox"/> Insured Mail	<input type="checkbox"/> C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

2. Article Number 7009 3410 0001 5868 1322
 (Transfer from service label)

UNITED STATES POSTAL SERVICE

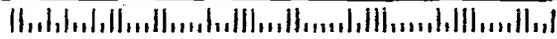


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• Sender: Please print your name, address, and ZIP+4 in this box •

National Aeronautics and
Space Administration

Mail Code: *DE-17-024*
Lyndon B. Johnson Space Center
White Sands Test Facility
Post Office Box 20
Las Cruces, NM 88004-0020



SENDER: COMPLETE THIS SECTION

COMPLETE THIS SECTION ON DELIVERY

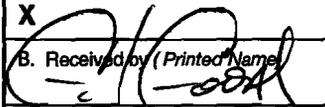
- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

New Mexico Environmental Department
 Attn: Mr. Don Shainin
 New Mexico Department of
 Homeland Security & Emergency Management
 P.O. Box 27111
 Sante Fe, NM 87502

A. Signature

X



- Agent
- Addressee

B. Received by (Printed Name)

C. Date of Delivery

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

3. Service Type

- Certified Mail Express Mail
- Registered Return Receipt for Merchandise
- Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

2. Article Number
(Transfer from service label)

7009 3410 0001 5868 1308