National Aeronautics and
Space Administration

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

February 26, 2010

Reply to Attn of: RA-E10-024

State Emergency Response Commission
Attn: Ron Breland
Department of Homeland Security and Emergency Management
P. O. Box 27111
Santa Fe, NM 87502

Subject: NASA White Sands Test Facility (WSTF) 2009 SARA Title III Tier II Emergency and Hazardous Chemical Inventory Report

Enclosed is the WSTF SARA Title III Tier II Emergency and Hazardous Chemical Inventory Report for 2009. This includes the cover sheet that contains the Certification Statement for electronic reporting as Enclosure 1, and a CD-ROM of the Tier II forms as Enclosure 2.

If you have any questions or comments concerning this submittal, please call me at (575) 524-5733.

Radel Bunker-Farrah
Environmental Program Manager

2 Enclosures

cc w/encl:
Mr. David Almaguer
Emergency Management Supervisor
1170 North Solano Suite O
Las Cruces, NM 88001

Travis Brown, Interim Chief
Emergency Planning Coordinator
Las Cruces Fire Department
P. O. Box 20000

ENCLOSURE

2009 WSTF
TIER II REPORT CD
AND CERTIFICATION

Facility Name: NASA WHITE SANDS TEST FACILITY

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FACILITY IDENTIFICATION:
NASA WHITE SANDS TEST FACILITY
Dept:
12600 NASA Road
Las Cruces, NM 88012 USA
County: Dona Ana
Number of employees: 725
MAILING ADDRESS: P.O. 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: P.O. 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
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CHEM NAME: 1,1-DIMETHYL HYDRAZINE
CAS: 57-14-7
[x] Identical to previous year
[ ] TRADE SECRET
[x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas [x] EHS
PHYSICAL & HEALTH HAZARDS:
[x] Fire [ ] Sudden Release of Pressure [ ] Reactivity [x] Immediate (acute) [x] 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: 366
STORAGE CODES & STORAGE LOCATIONS:
Container Type: M Pressure: 1 Temp: 4 Location: 200 Area Chemistry Laboratory Amount: pounds
Container Type: D Pressure: 1 Temp: 4 Location: 500 Area Remote Storage 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
[x] Identical to previous year
[ ] TRADE SECRET
[x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas [ ] EHS
PHYSICAL & HEALTH HAZARDS:
[ ] Fire [ ] Sudden Release of Pressure [ ] Reactivity [x] 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: 366
STORAGE CODES & STORAGE LOCATIONS:
Container Type: D Pressure: 1 Temp: 4 Location: 150 Warehouse Amount: pounds
Container Type: D Pressure: 1 Temp: 4 Location: Chemistry Laboratory 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
[x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas [x] EHS
PHYSICAL & HEALTH HAZARDS:
[ ] Fire [x] Sudden Release of Pressure [ ] Reactivity [x] Immediate (acute) [x] Delayed (chronic)
INVENTORY:
Max Daily Amt code: 02 (100 - 999 pounds)
Avg Daily Amt code: 02 (100 - 999 pounds)
No. of days on-site: 366
STORAGE CODES & STORAGE LOCATIONS:
Container Type: L Pressure: 2 Temp: 4 Location: 100 Area Warehouse Amount: pounds
Container Type: L Pressure: 2 Temp: 4 Location: 600 Area Chlorination Building 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 [x] Mix [ ] Solid [x] Liquid [ ] Gas [ ] EHS
PHYSICAL & HEALTH HAZARDS:
[x] Fire [ ] Sudden Release of Pressure [ ] Reactivity [ ] Immediate (acute) [x] 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: 366
STORAGE CODES & STORAGE LOCATIONS:
Container Type: A Pressure: 1 Temp: 4 Location: 150 Area Heavy Equipment Tank Amount: pounds
Container Type: A Pressure: 1 Temp: 4 Location: 300 Area Altitude Test Tanks Amount: pounds

Facility Name: NASA WHITE SANDS TEST FACILITY

Container Type: A Pressure: 1 Temp: 4 Location: 400 Area Altiuide Test Tanks Amount: pounds
CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by New Mexico

CHEM NAME: DINITROGEN OXIDE (N2O)
CAS: 10102-44-0
[ ] Identical to previous year
[ ] TRADE SECRET
[x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas [x] EHS
PHYSICAL & HEALTH HAZARDS:
[ ] Fire [ ] Sudden Release of Pressure [x] Reactivity [x] 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: 366
STORAGE CODES & STORAGE LOCATIONS:
Container Type: L Pressure: 2 Temp: 4 Location: 200 Area Chemistry Laboratory Amount: pounds
Container Type: A Pressure: 2 Temp: 4 Location: 300 Area Altitude Test Tanks Amount: pounds
Container Type: A Pressure: 2 Temp: 4 Location: 400 Area Altitude Test Tanks Amount: pounds
Container Type: L Pressure: 2 Temp: 4 Location: 500 Area Remote Storage 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 [x] Mix [ ] Solid [x] Liquid [ ] Gas [ ] EHS
PHYSICAL & HEALTH HAZARDS:
[x] Fire [ ] Sudden Release of Pressure [x] Reactivity [x] 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: 366
STORAGE CODES & STORAGE LOCATIONS:
Container Type: B Pressure: 1 Temp: 4 Location: 100 Area E-85 Tank Amount: pounds
Container Type: A Pressure: 1 Temp: 4 Location: 400 Area Test System 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 [x] Mix [ ] Solid [x] Liquid [ ] Gas [ ] EHS
PHYSICAL & HEALTH HAZARDS:
[x] Fire [ ] Sudden Release of Pressure [ ] Reactivity [ ] Immediate (acute) [x] 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: 366
STORAGE CODES & STORAGE LOCATIONS:
Container Type: B Pressure: 1 Temp: 4 Location: 100 Area Building 113 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
[x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas [x] EHS
PHYSICAL & HEALTH HAZARDS:
[ ] Fire [ ] Sudden Release of Pressure [x] Reactivity [x] Immediate (acute) [x] 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: 366
STORAGE CODES & STORAGE LOCATIONS:
Container Type: L Pressure: 2 Temp: 4 Location: 200 Area Chemistry Laboratory Amount: pounds
Container Type: A Pressure: 1 Temp: 4 Location: 300 Area Altitude Test Tanks Amount: pounds
Container Type: L Pressure: 1 Temp: 4 Location: 500 Area Remote Storage Amount: pounds
Container Type: A Pressure: 1 Temp: 4 Location: 800 Area Test Storage Tanks 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
[x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas [ ] EHS
PHYSICAL & HEALTH HAZARDS:
[x] Fire [x] Sudden Release of Pressure [x] Reactivity [x] 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: 366
STORAGE CODES & STORAGE LOCATIONS:
Container Type: A Pressure: 2 Temp: 7 Location: 250 Area Amount: 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
[x] Pure [ ] Mix [ ] Solid [ ] Liquid [x] Gas [ ] EHS
PHYSICAL & HEALTH HAZARDS:
[x] Fire [x] Sudden Release of Pressure [x] Reactivity [x] Immediate (acute) [ ] Delayed (chronic)

Facility Name: NASA WHITE SANDS TEST FACILITY

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: 366
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 Laboratory Amount: pounds
Container Type: L Pressure: 2 Temp: 4 Location: 272 Area Amount: pounds
Container Type: A Pressure: 2 Temp: 4 Location: 250 Area Amount: pounds
CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by New Mexico

CHEM NAME: ISOPROPYL ALCOHOL
CAS: 67-63-0
[ ] Identical to previous year
[ ] TRADE SECRET
[x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas [ ] EHS
PHYSICAL & HEALTH HAZARDS:
[x] Fire [ ] Sudden Release of Pressure [x] Reactivity [ ] Immediate (acute) [x] 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: 366
STORAGE CODES & STORAGE LOCATIONS:
Container Type: D Pressure: 1 Temp: 4 Location: 150 Area Warehouse Amount: pounds
Container Type: D Pressure: 1 Temp: 4 Location: 200 Area Clean Room Amount: pounds
Container Type: A Pressure: 1 Temp: 4 Location: 400 Area Altitude Test Tanks Amount: pounds
Container Type: D Pressure: 1 Temp: 4 Location: 500 Area Remote Storage 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
[x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas [ ] EHS
PHYSICAL & HEALTH HAZARDS:
[ ] Fire [x] Sudden Release of Pressure [ ] Reactivity [x] 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: 366
STORAGE CODES & STORAGE LOCATIONS:
Container Type: A Pressure: 2 Temp: 7 Location: 250 Test Area Amount: pounds
Container Type: A Pressure: 2 Temp: 7 Location: 400 Area Test Tanks Amount: pounds
Container Type: A Pressure: 2 Temp: 7 Location: 800 Area Test Tanks 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: METHYLHYDRAZINE
CAS: 60-34-4
[ ] Identical to previous year
[ ] TRADE SECRET
[x] Pure [ ] Mix [ ] Solid [x] Liquid [ ] Gas [x] EHS
PHYSICAL & HEALTH HAZARDS:
[x] Fire [ ] Sudden Release of Pressure [x] Reactivity [x] Immediate (acute) [x] 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: 366
STORAGE CODES & STORAGE LOCATIONS:
Container Type: L Pressure: 2 Temp: 4 Location: 200 Area Chemistry Laboratory Amount: pounds
Container Type: A Pressure: 2 Temp: 4 Location: 300 Area Storage/Dump Tanks Amount: pounds
Container Type: A Pressure: 2 Temp: 4 Location: 400 Area Storage/Dump Tanks Amount: pounds
Container Type: D Pressure: 2 Temp: 4 Location: 500 Area Remote Storage Amount: pounds
CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by New Mexico

CHEM NAME: NITROGEN (LIQUEFIED)
CAS: 7727-37-9
[ ] Identical to previous year
[ ] TRADE SECRET
[x] Pure [ ] Mix [ ] Solid [ ] Liquid [x] Gas [ ] EHS
PHYSICAL & HEALTH HAZARDS:
[ ] Fire [x] Sudden Release of Pressure [ ] Reactivity [x] 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: 366
STORAGE CODES & STORAGE LOCATIONS:
Container Type: A Pressure: 2 Temp: 7 Location: 200 Area Tanker Amount: pounds
Container Type: A Pressure: 2 Temp: 7 Location: 250 Storage Tanks Amount: pounds
Container Type: A Pressure: 2 Temp: 7 Location: 400 Area Storage Tanks Amount: pounds
Container Type: A Pressure: 2 Temp: 7 Location: 500 Area Cryo 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
[x] Pure [ ] Mix [ ] Solid [ ] Liquid [x] Gas [ ] EHS
PHYSICAL & HEALTH HAZARDS:
[ ] Fire [x] Sudden Release of Pressure [ ] Reactivity [x] 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: 366
STORAGE CODES & STORAGE LOCATIONS:
Container Type: L Pressure: 2 Temp: 4 Location: 100 Warehouse Amount: pounds

Container Type: A Pressure: 2 Temp: 4 Location: 250 Area Storage Tank Amount: pounds
Container Type: A Pressure: 2 Temp: 4 Location: 400 Area Storage Tank Amount: pounds
Container Type: A Pressure: 2 Temp: 4 Location: 500 Area Cryo Amount: pounds
Container Type: R Pressure: 2 Temp: 4 Location: Associated with Site-wide Piping Systems Amount: pounds
Container Type: L Pressure: 2 Temp: 4 Location: 600 Area Sampling Dewars/K-bottles 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
[x] Pure [ ] Mix [ ] Solid [ ] Liquid [x] Gas [ ] EHS

PHYSICAL & HEALTH HAZARDS:
[x] Fire [x] Sudden Release of Pressure [ ] Reactivity [x] 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: 366

STORAGE CODES & STORAGE LOCATIONS:
Container Type: L Pressure: 2 Temp: 4 Location: 100 Warehouse Amount: pounds
Container Type: A Pressure: 2 Temp: 4 Location: 250 Area Test Tanks Amount: 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
[x] Pure [ ] Mix [ ] Solid [ ] Liquid [x] Gas [ ] EHS

PHYSICAL & HEALTH HAZARDS:
[x] Fire [x] Sudden Release of Pressure [ ] Reactivity [x] 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: 366

STORAGE CODES & STORAGE LOCATIONS:
Container Type: L Pressure: 2 Temp: 4 Location: 100 AreaWarehouse, Security, and Emergency Services Amount: pounds
Container Type: L Pressure: 2 Temp: 4 Location: 300 Area Burner Tanks Amount: pounds
Container Type: L Pressure: 2 Temp: 4 Location: 400 Area Burner Tanks Amount: pounds
Container Type: L Pressure: 2 Temp: 4 Location: 600 Area Small Tanks Amount: pounds
Container Type: L Pressure: 2 Temp: 4 Location: 800 Area Burner Tanks Amount: pounds

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

Facility Name: NASA WHITE SANDS TEST FACILITY

STATE / LOCAL FEES: None.

[ ] 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		02/20/2010
Name and official title of owner/operator OR owner/operator's authorized representative	Signature	Date signed