

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



February 22, 2022

Reply to Attn of:

RE-22-023

Mr. Rick Shean, Bureau Chief
New Mexico Environment Department
Hazardous Waste Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505

Subject: NASA White Sands Test Facility 2021 Biennial Hazardous Waste Report

Enclosure 1 provides the 2021 Biennial Hazardous Waste Report for the NASA White Sands Test Facility. The enclosure is a printout of the report that was submitted through the EPA RCRAInfo website. Enclosure 2 provides the report on a CD-ROM.

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 Amanda Skarsgard at 575-571-9668.

**TIMOTHY
DAVIS**

Digitally signed by
TIMOTHY DAVIS
Date: 2022.02.22
10:49:29 -07'00'

Timothy J. Davis
Chief, Environmental Office

2 Enclosures

cc:

Mr. Gabriel Acevedo
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, building 1
Santa Fe, NM 87505

Mr. Jose Gallegos
U. S. Army Garrison
Public Works Directorate
AMIM-WSP Building 102
White Sands Missile Range, NM 88002

| Cycle | Site Name | Site ID |
|-------|------------------------------------|--------------|
| 2021 | NASA JSC WHITE SANDS TEST FACILITY | NM8800019434 |

| 1. Reason for Submittal | |
|---------------------------------------|------------------------|
| BR / AR with Notification. [Source B] | <u>BR Exempt</u> No |

| 2. Site ID |
|--------------|
| NM8800019434 |

| 3. Site Name |
|------------------------------------|
| NASA JSC WHITE SANDS TEST FACILITY |

| 4. Site Location | | |
|---------------------------------|--|--|
| <u>Street Number</u> 12600 | <u>Street 1</u> NASA ROAD | <u>Street 2</u> |
| <u>Zip</u> 88012-9799 | <u>City, Town or Village</u> LAS CRUCES | <u>State</u> NEW MEXICO |
| <u>Country</u> UNITED STATES | <u>County</u> DONA ANA | |
| <u>Latitude</u> 32.508333 | <u>Longitude</u> -106.60833 | <u>Use Lat/Long as Primary Address</u> No |

| 5. Site Mailing Address | | |
|---------------------------------|--|----------------------------|
| <u>Street Number</u> | <u>Street 1</u> PO BOX 20 | <u>Street 2</u> |
| <u>Zip</u> 88004 | <u>City, Town or Village</u> LAS CRUCES | <u>State</u> NEW MEXICO |
| <u>Country</u> UNITED STATES | | |

| 6. Site Land Type |
|-------------------|
| Federal |

| 7. North American Industry Classification System (NAICS) |
|---|
| <u>Primary NAICS</u> 92711 - SPACE RESEARCH AND TECHNOLOGY |
| <u>Other NAICS</u> |

| 8. Site Contact Person | | |
|---|--|----------------------------|
| <u>First Name</u> TIMOTHY | <u>Middle Initial</u> J | <u>Last Name</u> DAVIS |
| <u>Title</u> CHIEF, ENVIRONMENTAL OFFICE | <u>Email</u> TIMOTHY.J.DAVIS@NASA.GOV | |
| <u>Phone Number</u> 575-649-3574 | <u>Extension</u> | <u>Fax</u> 575-524-5798 |

| 8a. Site Contact Address | | |
|---------------------------------|--|----------------------------|
| <u>Street Number</u> 12600 | <u>Street 1</u> NASA ROAD | <u>Street 2</u> |
| <u>Zip</u> 88012-9799 | <u>City, Town or Village</u> LAS CRUCES | <u>State</u> NEW MEXICO |
| <u>Country</u> UNITED STATES | | |

| 9a. Legal Owner #1 | | |
|---|--|----------------------------|
| <u>Name</u> NASA JSC WHITE SANDS TEST FACILTIY | <u>Date</u> 07/23/1962 | <u>Type</u> Federal |
| <u>Street Number</u> 12600 | <u>Street 1</u> NASA ROAD | <u>Street 2</u> |
| <u>Zip</u> 88012 | <u>City, Town or Village</u> LAS CRUCES | <u>State</u> NEW MEXICO |
| <u>Country</u> UNITED STATES | | |
| <u>Email</u> | | |
| <u>Phone Number</u> | <u>Extension</u> | <u>Fax</u> |
| <u>Public Comments</u> | | |

| 9b. Legal Operator #1 | | |
|---|--|----------------------------|
| <u>Name</u> NASA JSC WHITE SANDS TEST FACILITY | <u>Date</u> 07/23/1962 | <u>Type</u> Federal |
| <u>Street Number</u> 12600 | <u>Street 1</u> NASA ROAD | <u>Street 2</u> |
| <u>Zip</u> 88012 | <u>City, Town or Village</u> LAS CRUCES | <u>State</u> NEW MEXICO |
| <u>Country</u> UNITED STATES | | |
| <u>Email</u> | | |
| <u>Phone Number</u> | <u>Extension</u> | <u>Fax</u> |
| <u>Public Comments</u> | | |

| 10. Type of Federal Regulated Waste Activity | | |
|--|--|--|
| A. Hazardous Waste Activities | | |
| <u>1. Generator of Hazardous Waste (Federal)</u> 1 - Large Quantity Generator | <u>3. Treater, Storer, or Disposer of Hazardous Waste</u> Yes | <u>6. Exempt Boiler and / or Industrial Furnace</u> None selected |
| | <u>4. Receives Hazardous Waste from Off-site</u> No | |
| <u>2. Short Term Generator</u> No | <u>5. Recycler of Hazardous Waste</u> None selected | |
| B. Waste Codes for Federally Regulated Hazardous Wastes | | |
| <u>Hazardous Waste Codes (Federal)</u> D001, D002, D003, D004, D005, D006, D007, D008, D009, D010, D011, D018, D022, D035, D039, D040, F001, F002, F003, F005, LABP, P015, P068, P078, P098, U031, U098, U133 | | |
| C. Waste Codes for State Regulated (non-Federal) Hazardous Wastes | | |
| <u>Hazardous Waste Codes (State)</u> None selected | | |

| 11. Additional Regulated Waste Activities | | |
|---|---|---|
| A. Other Waste Activities | | |
| <u>1. Transporter of Hazardous Waste</u> None selected | <u>3. United States Importer of Hazardous Waste</u> No | <u>5. Importer/Exporter of SLABs</u> None selected |
| <u>2. Underground Injection Control</u> No | <u>4. Recognized Trader</u> None selected | |

| | | | |
|--|--|--|---|
| B. Universal Waste Activities | | C. Used Oil Activities | |
| <u>1. Large Quantity Handler of Universal Waste</u> | | <u>1. Used Oil Transporter</u> | <u>3. Off-Specification Used Oil Burner</u> |
| Accumulated/Managed: <ul style="list-style-type: none"> Batteries Mercury containing equipment Lamps | | None selected | No |
| Generated: None selected | | <u>2. Used Oil Processor and / or Re-refiner</u> | <u>4. Used Oil Fuel Marketer</u> |
| <u>2. Destination Facility for Universal Waste</u> | | None selected | None selected |
| No | | | |

| |
|---|
| D. Pharmaceutical Activities |
| Your state does not participate in Subpart P. |

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|--|
| 12. Eligible Academic Entities with Laboratories |
| <u>1. Opting into or currently operating under 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories.</u> |
| None selected |
| <u>2. Withdrawing from 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories.</u> |
| No |

| |
|--|
| 13. Episodic Generation |
| <u>Are you an SQG or VSQG generating hazardous waste from a planned or unplanned episodic event, lasting no more than 60 days, that moves you to a higher generator category? If "Yes", you must fill out the Addendum for Episodic Generator.</u> |
| No |

| |
|--|
| 14. LQG Consolidation of VSQG Waste |
| <u>Are you an LQG notifying of consolidating VSQG hazardous waste under the control of the same person pursuant to 40 CFR 262.17(f)?</u> |
| No |

| |
|--|
| 15. Notification of LQG Site Closure for a Central Accumulation Area (CAA) (optional) and Entire Facility |
| <u>LQG Site Closure of a Central Accumulation Area or Facility</u> |
| No |

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|--|
| 16. Notification of Hazardous Secondary Material (HSM) Activity |
| <u>Are you reporting HSM activities?</u> |
| No |

| |
|---|
| 17. Electronic Manifest Broker |
| <u>Are you notifying as a person, as defined in 40 CFR 260.10, electing to use the EPA electronic manifest system to obtain, complete, and transmit an electronic manifest under a contractual relationship with a hazardous waste generator?</u> |
| No |

| |
|------------------------|
| 18. Comments |
| <u>Public Comments</u> |

| | | |
|----------------------------|--------------------------|--------------------|
| 19. Certification | | |
| Certifier #1 | | |
| <u>First Name</u> | <u>Middle Initial</u> | <u>Last Name</u> |
| Timothy | J | Davis |
| <u>Title</u> | <u>Email</u> | <u>Date Signed</u> |
| Environmental Office Chief | timothy.j.davis@nasa.gov | 02/23/2022 |

| GM 1 Waste Characteristics | | | |
|---|---|--|---|
| <u>A. Description of hazardous waste</u> MERCURY CONTAMINATED DEBRIS | | | |
| <u>B. EPA Hazardous Waste Code(s)</u> D009 | | | |
| <u>C. State Hazardous Waste Code(s)</u> | | | |
| <u>D. Source Code</u> G32 | <u>Management Method Code</u> | <u>Country</u> | <u>E. Form Code</u> W002 |
| <u>F. Waste Minimization Code</u> X | <u>G. Radioactive Mixed</u> No | | |
| <u>H. Quantity</u> 10.0 | <u>UOM</u> KILOGRAMS | <u>Density</u> | |
| On-site Generation and Management of Hazardous Waste | | | |
| Off-site Shipment of Hazardous Waste | | | |
| Site 1 | <u>B. EPA ID of facility to which waste was shipped</u> AZ0000337360 | <u>C. Management Method Code</u> H141 | <u>D. Total Quantity Shipped</u> 8.0 |
| Site 2 | <u>B. EPA ID of facility to which waste was shipped</u> AZ0000337360 | <u>C. Management Method Code</u> H011 | <u>D. Total Quantity Shipped</u> 2.0 |
| <u>Comments</u> Broken mercury lamps and debris. | | | |

| GM 2 Waste Characteristics | | | |
|--|---|--|--|
| <u>A. Description of hazardous waste</u> NON CORROSIVE (PH APROXIMATLEY 7) SPENT AQUEOUS SOLUTION THAT CONTAINS TRACE CONCENTRATIONS (PPB-PPM LEVELS) OF DISSOLVED METALS | | | |
| <u>B. EPA Hazardous Waste Code(s)</u> D006, D007, D008 | | | |
| <u>C. State Hazardous Waste Code(s)</u> | | | |
| <u>D. Source Code</u> G09 | <u>Management Method Code</u> | <u>Country</u> | <u>E. Form Code</u> W219 |
| <u>F. Waste Minimization Code</u> X | <u>G. Radioactive Mixed</u> No | | |
| <u>H. Quantity</u> 2488.0 | <u>UOM</u> KILOGRAMS | <u>Density</u> | |
| On-site Generation and Management of Hazardous Waste | | | |
| Off-site Shipment of Hazardous Waste | | | |
| Site 1 | <u>B. EPA ID of facility to which waste was shipped</u> NVT330010000 | <u>C. Management Method Code</u> H132 | <u>D. Total Quantity Shipped</u> 2488.0 |
| <u>Comments</u> | | | |

| GM 3 Waste Characteristics | | | |
|---|---|--|--|
| <u>A. Description of hazardous waste</u> LAB PACKS WITH NO ACUTE WASTE | | | |
| <u>B. EPA Hazardous Waste Code(s)</u> D001, D002, D004, D005, D006, D007, D008, D018, D022, D035, D039, D040, F001, F002, F003, F005 | | | |
| <u>C. State Hazardous Waste Code(s)</u> | | | |
| <u>D. Source Code</u> G09 | <u>Management Method Code</u> | <u>Country</u> | <u>E. Form Code</u> W001 |
| <u>F. Waste Minimization Code</u> X | <u>G. Radioactive Mixed</u> No | | |
| <u>H. Quantity</u> 1098.0 | <u>UOM</u> KILOGRAMS | <u>Density</u> | |
| On-site Generation and Management of Hazardous Waste | | | |
| Off-site Shipment of Hazardous Waste | | | |
| Site 1 | <u>B. EPA ID of facility to which waste was shipped</u> COD980591184 | <u>C. Management Method Code</u> H141 | <u>D. Total Quantity Shipped</u> 1045.0 |
| Site 2 | <u>B. EPA ID of facility to which waste was shipped</u> UTD981552177 | <u>C. Management Method Code</u> H040 | <u>D. Total Quantity Shipped</u> 53.0 |
| Comments | | | |

| GM 4 Waste Characteristics | | | |
|---|---|--|---|
| <u>A. Description of hazardous waste</u> LAB PACKS WITH ACUTE WASTE | | | |
| <u>B. EPA Hazardous Waste Code(s)</u> D001, D039, D040, F003, P068, P078, P082, P098, U098, U133, U154 | | | |
| <u>C. State Hazardous Waste Code(s)</u> | | | |
| <u>D. Source Code</u> G09 | <u>Management Method Code</u> | <u>Country</u> | <u>E. Form Code</u> W004 |
| <u>F. Waste Minimization Code</u> X | <u>G. Radioactive Mixed</u> No | | |
| <u>H. Quantity</u> 377.0 | <u>UOM</u> KILOGRAMS | <u>Density</u> | |
| On-site Generation and Management of Hazardous Waste | | | |
| Off-site Shipment of Hazardous Waste | | | |
| Site 1 | <u>B. EPA ID of facility to which waste was shipped</u> COD980591184 | <u>C. Management Method Code</u> H141 | <u>D. Total Quantity Shipped</u> 348.0 |
| Site 2 | <u>B. EPA ID of facility to which waste was shipped</u> UTD981552177 | <u>C. Management Method Code</u> H040 | <u>D. Total Quantity Shipped</u> 25.0 |
| Site 3 | <u>B. EPA ID of facility to which waste was shipped</u> COD980591184 | <u>C. Management Method Code</u> H129 | <u>D. Total Quantity Shipped</u> 4.0 |
| Comments | | | |

| GM 5 Waste Characteristics | | | |
|---|---|--|---|
| <u>A. Description of hazardous waste</u> WASTE METALS SOLUTION | | | |
| <u>B. EPA Hazardous Waste Code(s)</u> D002, D004, D005, D006, D007, D008, D009, D010, D011, D018 | | | |
| <u>C. State Hazardous Waste Code(s)</u> | | | |
| <u>D. Source Code</u> G22 | <u>Management Method Code</u> | <u>Country</u> | <u>E. Form Code</u> W119 |
| <u>F. Waste Minimization Code</u> A | <u>G. Radioactive Mixed</u> No | | |
| <u>H. Quantity</u> 7.0 | <u>UOM</u> KILOGRAMS | <u>Density</u> | |
| On-site Generation and Management of Hazardous Waste | | | |
| Off-site Shipment of Hazardous Waste | | | |
| Site 1 | <u>B. EPA ID of facility to which waste was shipped</u> NVT330010000 | <u>C. Management Method Code</u> H132 | <u>D. Total Quantity Shipped</u> 7.0 |
| Comments | | | |

| GM 6 Waste Characteristics | | | |
|--|---|--|--|
| <u>A. Description of hazardous waste</u> IGNITER RINSATE WASTE, INORGANIC | | | |
| <u>B. EPA Hazardous Waste Code(s)</u> D002 | | | |
| <u>C. State Hazardous Waste Code(s)</u> | | | |
| <u>D. Source Code</u> G22 | <u>Management Method Code</u> | <u>Country</u> | <u>E. Form Code</u> W119 |
| <u>F. Waste Minimization Code</u> A | <u>G. Radioactive Mixed</u> No | | |
| <u>H. Quantity</u> 23.0 | <u>UOM</u> KILOGRAMS | <u>Density</u> | |
| On-site Generation and Management of Hazardous Waste | | | |
| Off-site Shipment of Hazardous Waste | | | |
| Site 1 | <u>B. EPA ID of facility to which waste was shipped</u> NVT330010000 | <u>C. Management Method Code</u> H039 | <u>D. Total Quantity Shipped</u> 23.0 |
| Comments | | | |

| GM 7 Waste Characteristics | | | |
|--|---|--|--|
| <u>A. Description of hazardous waste</u> METROHM-850 PROFESSIONAL IC INSTRUMENT PROCESS WASTE (INORGANIC) | | | |
| <u>B. EPA Hazardous Waste Code(s)</u> D002 | | | |
| <u>C. State Hazardous Waste Code(s)</u> | | | |
| <u>D. Source Code</u> G22 | <u>Management Method Code</u> | <u>Country</u> | <u>E. Form Code</u> W105 |
| <u>F. Waste Minimization Code</u> A | <u>G. Radioactive Mixed</u> No | | |
| <u>H. Quantity</u> 22.0 | <u>UOM</u> KILOGRAMS | <u>Density</u> | |
| On-site Generation and Management of Hazardous Waste | | | |
| Off-site Shipment of Hazardous Waste | | | |
| Site 1 | <u>B. EPA ID of facility to which waste was shipped</u> CAR000070540 | <u>C. Management Method Code</u> H132 | <u>D. Total Quantity Shipped</u> 22.0 |
| Comments | | | |

| GM 8 Waste Characteristics | | | |
|---|---|--|---|
| <u>A. Description of hazardous waste</u> AQUEOUS RINSE SOLUTION CONTAINING HYDRAZINE SPECIES (PH APPROXIMATLEY 7) GENERATED FROM PERFORMING DECONTAMINATION OF AEROSPACE COMPONENTS. | | | |
| <u>B. EPA Hazardous Waste Code(s)</u> P068, U098, U133 | | | |
| <u>C. State Hazardous Waste Code(s)</u> | | | |
| <u>D. Source Code</u> G09 | <u>Management Method Code</u> | <u>Country</u> | <u>E. Form Code</u> W101 |
| <u>F. Waste Minimization Code</u> A | <u>G. Radioactive Mixed</u> No | | |
| <u>H. Quantity</u> 17202.0 | <u>UOM</u> KILOGRAMS | <u>Density</u> | |
| On-site Generation and Management of Hazardous Waste | | | |
| Off-site Shipment of Hazardous Waste | | | |
| Site 1 | <u>B. EPA ID of facility to which waste was shipped</u> TXD000838896 | <u>C. Management Method Code</u> H040 | <u>D. Total Quantity Shipped</u> 11060.0 |
| Site 2 | <u>B. EPA ID of facility to which waste was shipped</u> ARD069748192 | <u>C. Management Method Code</u> H040 | <u>D. Total Quantity Shipped</u> 1278.0 |
| Site 3 | <u>B. EPA ID of facility to which waste was shipped</u> UTD981552177 | <u>C. Management Method Code</u> H040 | <u>D. Total Quantity Shipped</u> 1013.0 |
| Site 4 | <u>B. EPA ID of facility to which waste was shipped</u> COD980591184 | <u>C. Management Method Code</u> H141 | <u>D. Total Quantity Shipped</u> 3851.0 |
| Comments | | | |

| GM 9 Waste Characteristics | | | |
|---|---|--|---|
| <u>A. Description of hazardous waste</u> NON-CORROSIVE (PH APPROXIMATELY 7) AQUEOUS SOLUTION CONTAINING P078 ADGAS TREATMENT RESIDUAL GENERATED FROM PERFORMING DECONTAMINATION OF AEROSPACE COMPONENTS. | | | |
| <u>B. EPA Hazardous Waste Code(s)</u> P078 | | | |
| <u>C. State Hazardous Waste Code(s)</u> | | | |
| <u>D. Source Code</u> G09 | <u>Management Method Code</u> | <u>Country</u> | <u>E. Form Code</u> W101 |
| <u>F. Waste Minimization Code</u> A | <u>G. Radioactive Mixed</u> No | | |
| <u>H. Quantity</u> 553.0 | <u>UOM</u> KILOGRAMS | <u>Density</u> | |
| On-site Generation and Management of Hazardous Waste | | | |
| Off-site Shipment of Hazardous Waste | | | |
| Site 1 | <u>B. EPA ID of facility to which waste was shipped</u> NVT330010000 | <u>C. Management Method Code</u> H039 | <u>D. Total Quantity Shipped</u> 337.0 |
| Site 2 | <u>B. EPA ID of facility to which waste was shipped</u> COD980591184 | <u>C. Management Method Code</u> H141 | <u>D. Total Quantity Shipped</u> 159.0 |
| Site 3 | <u>B. EPA ID of facility to which waste was shipped</u> NVT330010000 | <u>C. Management Method Code</u> H132 | <u>D. Total Quantity Shipped</u> 57.0 |
| Comments | | | |

| GM 10 Waste Characteristics | | | |
|--|---|--|---|
| <u>A. Description of hazardous waste</u> INVESTIGATION DERIVED WASTE (IDW) CONTAMINATED DRILLING FLUID AND CUTTINGS | | | |
| <u>B. EPA Hazardous Waste Code(s)</u> F002, F001 | | | |
| <u>C. State Hazardous Waste Code(s)</u> | | | |
| <u>D. Source Code</u> G44 | <u>Management Method Code</u> | <u>Country</u> | <u>E. Form Code</u> W301 |
| <u>F. Waste Minimization Code</u> X | <u>G. Radioactive Mixed</u> No | | |
| <u>H. Quantity</u> 196.0 | <u>UOM</u> KILOGRAMS | <u>Density</u> | |
| On-site Generation and Management of Hazardous Waste | | | |
| Off-site Shipment of Hazardous Waste | | | |
| Site 1 | <u>B. EPA ID of facility to which waste was shipped</u> NVT330010000 | <u>C. Management Method Code</u> H132 | <u>D. Total Quantity Shipped</u> 196.0 |
| Comments | | | |

| GM 11 Waste Characteristics | | | |
|---|---|--|---|
| <u>A. Description of hazardous waste</u> SPENT FILTERS CONTAMINATED WITH TRACE CONCENTRATIONS (PPB LEVELS) OF F001 AND F002 CONSTITUENTS PRESENT IN INVESTIGATION DERIVED WASTE (IDW) AND REMEDIATION WASTE. | | | |
| <u>B. EPA Hazardous Waste Code(s)</u> F001, F002 | | | |
| <u>C. State Hazardous Waste Code(s)</u> | | | |
| <u>D. Source Code</u> G49 | <u>Management Method Code</u> | <u>Country</u> | <u>E. Form Code</u> W310 |
| <u>F. Waste Minimization Code</u> X | <u>G. Radioactive Mixed</u> No | | |
| <u>H. Quantity</u> 554.0 | <u>UOM</u> KILOGRAMS | <u>Density</u> | |
| On-site Generation and Management of Hazardous Waste | | | |
| Off-site Shipment of Hazardous Waste | | | |
| Site 1 | <u>B. EPA ID of facility to which waste was shipped</u> COD980591184 | <u>C. Management Method Code</u> H141 | <u>D. Total Quantity Shipped</u> 256.0 |
| Site 2 | <u>B. EPA ID of facility to which waste was shipped</u> NVT330010000 | <u>C. Management Method Code</u> H132 | <u>D. Total Quantity Shipped</u> 151.0 |
| Site 3 | <u>B. EPA ID of facility to which waste was shipped</u> NVT330010000 | <u>C. Management Method Code</u> H039 | <u>D. Total Quantity Shipped</u> 147.0 |
| <u>Comments</u> GROUNDWATER REMEDIATION SYSTEM WATER FILTERS AND CONTAMINATED DEBRIS | | | |

| GM 12 Waste Characteristics | | | |
|---|---|--|---|
| <u>A. Description of hazardous waste</u> INVESTIGATION DERIVED WASTE (IDW) CONTAMINATED DEBRIS | | | |
| <u>B. EPA Hazardous Waste Code(s)</u> F001, F002 | | | |
| <u>C. State Hazardous Waste Code(s)</u> | | | |
| <u>D. Source Code</u> G09 | <u>Management Method Code</u> | <u>Country</u> | <u>E. Form Code</u> W002 |
| <u>F. Waste Minimization Code</u> X | <u>G. Radioactive Mixed</u> No | | |
| <u>H. Quantity</u> 267.0 | <u>UOM</u> KILOGRAMS | <u>Density</u> | |
| On-site Generation and Management of Hazardous Waste | | | |
| Off-site Shipment of Hazardous Waste | | | |
| Site 1 | <u>B. EPA ID of facility to which waste was shipped</u> NVT330010000 | <u>C. Management Method Code</u> H132 | <u>D. Total Quantity Shipped</u> 267.0 |
| <u>Comments</u> IDW CONTAMINATED DEBRIS (PAPER, CLOTHING, RAGS, WOOD, EMPTY FIBER OR PLASTIC CONTAINERS, GLASS, PIPING) GENERATED DURING ROUTINE GROUNDWATER SAMPLING AND ENVIRONMENTAL INVESTIGATION ACTIVITIES | | | |

| GM 13 Waste Characteristics | | | |
|---|---|--|--|
| <u>A. Description of hazardous waste</u> INVESTIGATION DERIVED WASTE (IDW) MIXTURE (WATER AND SETTABLE SOLIDS) | | | |
| <u>B. EPA Hazardous Waste Code(s)</u> F002, F001 | | | |
| <u>C. State Hazardous Waste Code(s)</u> | | | |
| <u>D. Source Code</u> G09 | <u>Management Method Code</u> | <u>Country</u> | <u>E. Form Code</u> W119 |
| <u>F. Waste Minimization Code</u> X | <u>G. Radioactive Mixed</u> No | | |
| <u>H. Quantity</u> 45.0 | <u>UOM</u> KILOGRAMS | <u>Density</u> | |
| On-site Generation and Management of Hazardous Waste | | | |
| Off-site Shipment of Hazardous Waste | | | |
| Site 1 | <u>B. EPA ID of facility to which waste was shipped</u> COD980591184 | <u>C. Management Method Code</u> H141 | <u>D. Total Quantity Shipped</u> 45.0 |
| Comments | | | |

| GM 14 Waste Characteristics | | | |
|--|---|--|--|
| <u>A. Description of hazardous waste</u> SPENT FIXER SOLUTION | | | |
| <u>B. EPA Hazardous Waste Code(s)</u> D011 | | | |
| <u>C. State Hazardous Waste Code(s)</u> | | | |
| <u>D. Source Code</u> G09 | <u>Management Method Code</u> | <u>Country</u> | <u>E. Form Code</u> W219 |
| <u>F. Waste Minimization Code</u> A | <u>G. Radioactive Mixed</u> No | | |
| <u>H. Quantity</u> 64.0 | <u>UOM</u> KILOGRAMS | <u>Density</u> | |
| On-site Generation and Management of Hazardous Waste | | | |
| Off-site Shipment of Hazardous Waste | | | |
| Site 1 | <u>B. EPA ID of facility to which waste was shipped</u> NVT330010000 | <u>C. Management Method Code</u> H132 | <u>D. Total Quantity Shipped</u> 64.0 |
| Comments | | | |

| GM 15 Waste Characteristics | | | |
|--|---|--|---|
| <u>A. Description of hazardous waste</u> MACHINE SHOP CONTAMINATED DEBRIS | | | |
| <u>B. EPA Hazardous Waste Code(s)</u> D005, D007, D008, D018 | | | |
| <u>C. State Hazardous Waste Code(s)</u> | | | |
| <u>D. Source Code</u> G02 | <u>Management Method Code</u> | <u>Country</u> | <u>E. Form Code</u> W002 |
| <u>F. Waste Minimization Code</u> X | <u>G. Radioactive Mixed</u> No | | |
| <u>H. Quantity</u> 164.0 | <u>UOM</u> KILOGRAMS | <u>Density</u> | |
| On-site Generation and Management of Hazardous Waste | | | |
| Off-site Shipment of Hazardous Waste | | | |
| Site 1 | <u>B. EPA ID of facility to which waste was shipped</u> NMD002208627 | <u>C. Management Method Code</u> H141 | <u>D. Total Quantity Shipped</u> 164.0 |
| Comments | | | |

| GM 16 Waste Characteristics | | | |
|---|---|--|---|
| <u>A. Description of hazardous waste</u> PETROLEUM CONTAMINATED SOIL | | | |
| <u>B. EPA Hazardous Waste Code(s)</u> D004, D006, D007, D008, D018 | | | |
| <u>C. State Hazardous Waste Code(s)</u> | | | |
| <u>D. Source Code</u> G32 | <u>Management Method Code</u> | <u>Country</u> | <u>E. Form Code</u> W301 |
| <u>F. Waste Minimization Code</u> X | <u>G. Radioactive Mixed</u> No | | |
| <u>H. Quantity</u> 656.0 | <u>UOM</u> KILOGRAMS | <u>Density</u> | |
| On-site Generation and Management of Hazardous Waste | | | |
| Off-site Shipment of Hazardous Waste | | | |
| Site 1 | <u>B. EPA ID of facility to which waste was shipped</u> NVT330010000 | <u>C. Management Method Code</u> H132 | <u>D. Total Quantity Shipped</u> 656.0 |
| Comments | | | |

| GM 17 Waste Characteristics | | | |
|---|---|--|--|
| <u>A. Description of hazardous waste</u> WASTE AEROSOLS | | | |
| <u>B. EPA Hazardous Waste Code(s)</u> D001, D003, D018, D035 | | | |
| <u>C. State Hazardous Waste Code(s)</u> | | | |
| <u>D. Source Code</u> G09 | <u>Management Method Code</u> | <u>Country</u> | <u>E. Form Code</u> W801 |
| <u>F. Waste Minimization Code</u> A | <u>G. Radioactive Mixed</u> No | | |
| <u>H. Quantity</u> 58.0 | <u>UOM</u> KILOGRAMS | <u>Density</u> | |
| On-site Generation and Management of Hazardous Waste | | | |
| Off-site Shipment of Hazardous Waste | | | |
| Site 1 | <u>B. EPA ID of facility to which waste was shipped</u> COD980591184 | <u>C. Management Method Code</u> H141 | <u>D. Total Quantity Shipped</u> 42.0 |
| Site 2 | <u>B. EPA ID of facility to which waste was shipped</u> UTD981552177 | <u>C. Management Method Code</u> H141 | <u>D. Total Quantity Shipped</u> 16.0 |
| Comments | | | |

| GM 18 Waste Characteristics | | | |
|---|---|--|---|
| <u>A. Description of hazardous waste</u> INVESTIGATION DERIVED WASTE (IDW) CONTAMINATED SOIL | | | |
| <u>B. EPA Hazardous Waste Code(s)</u> F002, F001 | | | |
| <u>C. State Hazardous Waste Code(s)</u> | | | |
| <u>D. Source Code</u> G32 | <u>Management Method Code</u> | <u>Country</u> | <u>E. Form Code</u> W301 |
| <u>F. Waste Minimization Code</u> X | <u>G. Radioactive Mixed</u> No | | |
| <u>H. Quantity</u> 1415.0 | <u>UOM</u> KILOGRAMS | <u>Density</u> | |
| On-site Generation and Management of Hazardous Waste | | | |
| Off-site Shipment of Hazardous Waste | | | |
| Site 1 | <u>B. EPA ID of facility to which waste was shipped</u> NVT330010000 | <u>C. Management Method Code</u> H132 | <u>D. Total Quantity Shipped</u> 699.0 |
| Site 2 | <u>B. EPA ID of facility to which waste was shipped</u> NVT330010000 | <u>C. Management Method Code</u> H141 | <u>D. Total Quantity Shipped</u> 716.0 |
| Comments | | | |

| GM 19 Waste Characteristics | | | |
|--|---|--|---|
| <u>A. Description of hazardous waste</u> CORROSIVE (PH GREATER THAN 12.5) AQUEOUS SOLUTION USED FOR CLEANING METALS COMPONENTS, WHICH CONTAINS TRACE CONCENTRATIONS (PPB-PPM LEVELS) OF DISSOLVED METALS. | | | |
| <u>B. EPA Hazardous Waste Code(s)</u> D002 | | | |
| <u>C. State Hazardous Waste Code(s)</u> | | | |
| <u>D. Source Code</u> G02 | <u>Management Method Code</u> | <u>Country</u> | <u>E. Form Code</u> W113 |
| <u>F. Waste Minimization Code</u> A | <u>G. Radioactive Mixed</u> No | | |
| <u>H. Quantity</u> 179.0 | <u>UOM</u> KILOGRAMS | <u>Density</u> | |
| On-site Generation and Management of Hazardous Waste | | | |
| Off-site Shipment of Hazardous Waste | | | |
| Site 1 | <u>B. EPA ID of facility to which waste was shipped</u> NVT330010000 | <u>C. Management Method Code</u> H039 | <u>D. Total Quantity Shipped</u> 179.0 |
| <u>Comments</u> Spent Oakite Rustripper | | | |

| GM 20 Waste Characteristics | | | |
|--|---|--|---|
| <u>A. Description of hazardous waste</u> CORROSIVE (PH LESS THAN 2) AQUEOUS SOLUTION USED FOR CLEANING METALS COMPONENTS, WHICH CONTAINS TRACE CONCENTRATIONS (PPB-PPM LEVELS) OF DISSOLVED METALS. | | | |
| <u>B. EPA Hazardous Waste Code(s)</u> D002 | | | |
| <u>C. State Hazardous Waste Code(s)</u> | | | |
| <u>D. Source Code</u> G02 | <u>Management Method Code</u> | <u>Country</u> | <u>E. Form Code</u> W113 |
| <u>F. Waste Minimization Code</u> A | <u>G. Radioactive Mixed</u> No | | |
| <u>H. Quantity</u> 359.0 | <u>UOM</u> KILOGRAMS | <u>Density</u> | |
| On-site Generation and Management of Hazardous Waste | | | |
| Off-site Shipment of Hazardous Waste | | | |
| Site 1 | <u>B. EPA ID of facility to which waste was shipped</u> NVT330010000 | <u>C. Management Method Code</u> H132 | <u>D. Total Quantity Shipped</u> 359.0 |
| <u>Comments</u> Spent Oakite 31 | | | |

| GM 21 Waste Characteristics | | | |
|---|---|--|---|
| <u>A. Description of hazardous waste</u> PETROLEUM CONTAMINATED DEBRIS | | | |
| <u>B. EPA Hazardous Waste Code(s)</u> D004, D006, D007, D008, D018 | | | |
| <u>C. State Hazardous Waste Code(s)</u> | | | |
| <u>D. Source Code</u> G33 | <u>Management Method Code</u> | <u>Country</u> | <u>E. Form Code</u> W002 |
| <u>F. Waste Minimization Code</u> X | <u>G. Radioactive Mixed</u> No | | |
| <u>H. Quantity</u> 359.0 | <u>UOM</u> KILOGRAMS | <u>Density</u> | |
| On-site Generation and Management of Hazardous Waste | | | |
| Off-site Shipment of Hazardous Waste | | | |
| Site 1 | <u>B. EPA ID of facility to which waste was shipped</u> UTD981552177 | <u>C. Management Method Code</u> H040 | <u>D. Total Quantity Shipped</u> 359.0 |
| Comments | | | |

| GM 22 Waste Characteristics | | | |
|--|---|--|--|
| <u>A. Description of hazardous waste</u> CORROSIVE (BASIC) AQUEOUS SOLUTION CONTAINING P078 ADGAS TREATMENT RESIDUAL GENERATED FROM PERFORMING DECONTAMINATION OF AEROSPACE COMPONENTS. | | | |
| <u>B. EPA Hazardous Waste Code(s)</u> D002, P078 | | | |
| <u>C. State Hazardous Waste Code(s)</u> | | | |
| <u>D. Source Code</u> G09 | <u>Management Method Code</u> | <u>Country</u> | <u>E. Form Code</u> W101 |
| <u>F. Waste Minimization Code</u> X | <u>G. Radioactive Mixed</u> No | | |
| <u>H. Quantity</u> 59.0 | <u>UOM</u> KILOGRAMS | <u>Density</u> | |
| On-site Generation and Management of Hazardous Waste | | | |
| Off-site Shipment of Hazardous Waste | | | |
| Site 1 | <u>B. EPA ID of facility to which waste was shipped</u> NVT330010000 | <u>C. Management Method Code</u> H039 | <u>D. Total Quantity Shipped</u> 59.0 |
| Comments | | | |

| GM 23 Waste Characteristics | | | |
|---|---------------------------------------|---------------------------------|-----------------------------|
| <u>A. Description of hazardous waste</u> GROUNDWATER REMEDIATION WASTE AND INVESTIGATION DERIVED WASTE (IDW) | | | |
| <u>B. EPA Hazardous Waste Code(s)</u> F001, F002 | | | |
| <u>C. State Hazardous Waste Code(s)</u> | | | |
| <u>D. Source Code</u> G49 | <u>Management Method Code</u> | <u>Country</u> | <u>E. Form Code</u> W101 |
| <u>F. Waste Minimization Code</u> X | <u>G. Radioactive Mixed</u> No | | |
| <u>H. Quantity</u> 0.0 | <u>UOM</u> GALLONS | <u>Density</u> 1.0 sg | |
| On-site Generation and Management of Hazardous Waste | | | |
| Process System 1 | <u>Management Method Code</u> H129 | <u>Quantity</u> 2.99482924E8 | |
| Off-site Shipment of Hazardous Waste | | | |
| <u>Comments</u> REMEDATION WASTE AND INVESTIGATION DERIVED WASTE (IDW) GROUNDWATER TREATED AT WSTF PUMP-AND-TREAT REMEDIATION SYSTEMS. GROUNDWATER CONTAMINATED BY HAZARDOUS WASTE IS NOT A SOLID WASTE AND IS NOT CLASSIFIED AS A HAZARDOUS WASTE. HOWEVER, BECAUSE HAZARDOUS WASTE IS "CONTAINED-IN" THE GROUNDWATER, IT MUST BE TREATED AS IF IT WAS A RCRA HAZARDOUS WASTE WHEN REMOVED FOR TREATMENT, STORAGE, OR DISPOSAL. | | | |

| OI 1 Site | | | |
|---|--------------------------|---------------------------------|--|
| <u>A. EPA ID Number of Off-site Installation or Transporter</u> AZ0000337360 | | | |
| <u>B. Name of Off-site Installation or Transporter</u> VEOLIA ES TECHNICAL SOLUTIONS | | | |
| <u>C. Handler Type(s)</u> Receiving Facility | | | |
| <u>D. Address of Off-site Installation</u> 5736 W JEFFERSON ST | | | |
| <u>City, Town, or Village</u> PHOENIX | | | |
| <u>State</u> AZ | <u>Zip Code</u> 85043 | <u>Country</u> UNITED STATES | |
| <u>Comments</u> | | | |

| OI 2 Site | | | |
|---|--------------------------|---------------------------------|--|
| <u>A. EPA ID Number of Off-site Installation or Transporter</u> COD980591184 | | | |
| <u>B. Name of Off-site Installation or Transporter</u> VEOLIA ES TECHNICAL SOLUTIONS LLC | | | |
| <u>C. Handler Type(s)</u> Receiving Facility | | | |
| <u>D. Address of Off-site Installation</u> 9131 E 96TH AVE | | | |
| <u>City, Town, or Village</u> HENDERSON | | | |
| <u>State</u> CO | <u>Zip Code</u> 80640 | <u>Country</u> UNITED STATES | |
| <u>Comments</u> | | | |

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| OI 3 Site | | |
| <u>A. EPA ID Number of Off-site Installation or Transporter</u> UTD981552177 | | |
| <u>B. Name of Off-site Installation or Transporter</u> CLEAN HARBORS ARAGONITE, LLC | | |
| <u>C. Handler Type(s)</u> Receiving Facility | | |
| <u>D. Address of Off-site Installation</u> 11600 N APTUS ROAD | | |
| <u>City, Town, or Village</u> ARAGONITE | | |
| <u>State</u> UT | <u>Zip Code</u> 84029 | <u>Country</u> UNITED STATES |
| <u>Comments</u> | | |

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| OI 4 Site | | |
| <u>A. EPA ID Number of Off-site Installation or Transporter</u> NVT330010000 | | |
| <u>B. Name of Off-site Installation or Transporter</u> US ECOLOGY NEVADA, INC | | |
| <u>C. Handler Type(s)</u> Receiving Facility | | |
| <u>D. Address of Off-site Installation</u> HWY 95 11 MI S OF BEATTY | | |
| <u>City, Town, or Village</u> BEATTY | | |
| <u>State</u> NV | <u>Zip Code</u> 89003 | <u>Country</u> UNITED STATES |
| <u>Comments</u> | | |

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| OI 5 Site | | |
| <u>A. EPA ID Number of Off-site Installation or Transporter</u> UTD991301748 | | |
| <u>B. Name of Off-site Installation or Transporter</u> CLEAN HARBORS GRASSY MOUNTAIN | | |
| <u>C. Handler Type(s)</u> Receiving Facility | | |
| <u>D. Address of Off-site Installation</u> 3 MILES EAST, 7 MILES NORTH OF KNOLLS EXIT OFF I-80 | | |
| <u>City, Town, or Village</u> KNOLLS | | |
| <u>State</u> UT | <u>Zip Code</u> 84029 | <u>Country</u> UNITED STATES |
| <u>Comments</u> | | |

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| OI 6 Site | | |
| <u>A. EPA ID Number of Off-site Installation or Transporter</u> TXD000838896 | | |
| <u>B. Name of Off-site Installation or Transporter</u> VEOLIA ES TECHNICAL SOLUTIONS | | |
| <u>C. Handler Type(s)</u> Receiving Facility | | |
| <u>D. Address of Off-site Installation</u> 7665 HWY 73 | | |
| <u>City, Town, or Village</u> PORT ARTHUR | | |
| <u>State</u> TX | <u>Zip Code</u> 77640-2563 | <u>Country</u> UNITED STATES |
| <u>Comments</u> | | |

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| OI 7 Site | | |
| <u>A. EPA ID Number of Off-site Installation or Transporter</u> ARD069748192 | | |
| <u>B. Name of Off-site Installation or Transporter</u> CLEAN HARBORS EL DORADO, LLC | | |
| <u>C. Handler Type(s)</u> Receiving Facility | | |
| <u>D. Address of Off-site Installation</u> 309 AMERICAN CIRCLE | | |
| <u>City, Town, or Village</u> EL DORADO | | |
| <u>State</u> AR | <u>Zip Code</u> 71730 | <u>Country</u> UNITED STATES |
| <u>Comments</u> | | |

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| OI 8 Site | | |
| <u>A. EPA ID Number of Off-site Installation or Transporter</u> NMD002208627 | | |
| <u>B. Name of Off-site Installation or Transporter</u> ADVANCED CHEMICAL TREATMENT, LLC | | |
| <u>C. Handler Type(s)</u> Receiving Facility | | |
| <u>D. Address of Off-site Installation</u> 6133 EDITH BLVD NE | | |
| <u>City, Town, or Village</u> ALBUQUERQUE | | |
| <u>State</u> NM | <u>Zip Code</u> 87107 | <u>Country</u> UNITED STATES |
| <u>Comments</u> | | |

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| OI 9 Site | | |
| <u>A. EPA ID Number of Off-site Installation or Transporter</u> CAR000070540 | | |
| <u>B. Name of Off-site Installation or Transporter</u> ADVANCED CHEMICAL TRANSPORT INC. DBA ACTENVIRO | | |
| <u>C. Handler Type(s)</u> Transporter, Receiving Facility | | |
| <u>D. Address of Off-site Installation</u> 1210 ELKO DR | | |
| <u>City, Town, or Village</u> SUNNYVALE | | |
| <u>State</u> CA | <u>Zip Code</u> 94089 | <u>Country</u> UNITED STATES |
| <u>Comments</u> | | |

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| OI 10 Site | | |
| <u>A. EPA ID Number of Off-site Installation or Transporter</u> TXR000033175 | | |
| <u>B. Name of Off-site Installation or Transporter</u> CHEMICAL TRANSPORTATION INC | | |
| <u>C. Handler Type(s)</u> Transporter | | |
| <u>D. Address of Off-site Installation</u> 400 INGLEWOOD DR STE E | | |
| <u>City, Town, or Village</u> EL PASO | | |
| <u>State</u> TX | <u>Zip Code</u> 79927 | <u>Country</u> UNITED STATES |
| <u>Comments</u> | | |

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|---|-------------------------------|---------------------------------|
| OI 11 Site | | |
| <u>A. EPA ID Number of Off-site Installation or Transporter</u> MOD095038998 | | |
| <u>B. Name of Off-site Installation or Transporter</u> BED ROCK INC DBA TRI STATE MOTOR TRANSIT CO | | |
| <u>C. Handler Type(s)</u> Transporter | | |
| <u>D. Address of Off-site Installation</u> 8141 E 7TH ST | | |
| <u>City, Town, or Village</u> JOPLIN | | |
| <u>State</u> MO | <u>Zip Code</u> 64801-9283 | <u>Country</u> UNITED STATES |
| <u>Comments</u> | | |

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| OI 12 Site | | |
| <u>A. EPA ID Number of Off-site Installation or Transporter</u> MIK435642742 | | |
| <u>B. Name of Off-site Installation or Transporter</u> EQ INDUSTRIAL SERVICES INC | | |
| <u>C. Handler Type(s)</u> Transporter | | |
| <u>D. Address of Off-site Installation</u> 17440 COLLEGE PARKWAY SUITE 300 | | |
| <u>City, Town, or Village</u> LIVONIA | | |
| <u>State</u> MI | <u>Zip Code</u> 48152 | <u>Country</u> UNITED STATES |
| <u>Comments</u> | | |

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| OI 13 Site | | |
| <u>A. EPA ID Number of Off-site Installation or Transporter</u> NJD080631369 | | |
| <u>B. Name of Off-site Installation or Transporter</u> VEOLIA ES TECHNICAL SOLUTIONS CORP | | |
| <u>C. Handler Type(s)</u> Transporter | | |
| <u>D. Address of Off-site Installation</u> 1 EDEN LN | | |
| <u>City, Town, or Village</u> FLANDERS | | |
| <u>State</u> NJ | <u>Zip Code</u> 07836 | <u>Country</u> UNITED STATES |
| <u>Comments</u> | | |