



HAFB 2004

DEPARTMENT OF THE AIR FORCE

HEADQUARTERS 49TH FIGHTER WING (ACC)
HOLLOMAN AIR FORCE BASE, NEW MEXICO

MEMORANDUM FOR NEW MEXICO ENVIRONMENT DEPARTMENT

Hazardous Waste Bureau
Attn: Mr John Kieling
2905 Rodeo Pard Dr, East Bldg 1
Santa Fe, NM 87505-6303

FROM: 49 CES/CEV
550 Tabosa Ave
Holloman AFB NM 88330



SUBJECT: Holloman AFB Waste Minimization Plan

1. As facility owner of the permitted Treatment, Storage, and Disposal Facility, Holloman AFB certifies, as required in 40 CFR 264.73(b)(9), that a program to reduce the volume and toxicity of hazardous waste is in place. This letters serves to satisfy year-end requirement, according to Section II.D., Waste Minimization of the Resource Conservation and Recovery Act Hazardous Waste Facility Operating Permit, EPA ID No. NM6572124422.

Table with 2 columns: Requirement/Question and Response/Answer. Rows include: 1. Written policy statement for source reduction and recycling; 2. Employee training or incentive program; 3. Source reduction and/or recycling measures implemented; 4. Dollar amounts of capital expenditures and operating costs; 5. Factors that have prevented implementation.

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Global Power for America

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|---|---|
| source reduction and/or recycling | recycling opportunities (red rag laundering). |
| Sources of information on source reduction and/or recycling received at the facility (e.g. local government, trade associations, suppliers, etc.) | Attending courses and networking with participants at the Air Force Environmental Symposium, Joint Services Environmental Management Conference, other Air Force Bases, other commercial entities through association with the New Mexico Recycling Coalition; Environmental Protection Agency website; Free issue program for unused |
| An investigation of additional waste minimization efforts that could be implemented at the facility. This investigation shall analyze the potential for reducing the quantity and toxicity of each waste stream through production process change, production reformulation, recycling, and all other appropriate means. The analysis shall include an assessment of the technical feasibility, cost, and potential waste reduction for each option | Technical Assistance Evaluation Program. Shop visits include review of hazardous material (product) used, the process, and the waste stream generated. Opportunity Assessments (OA) conducted to evaluate waste minimization opportunities. We are also getting ready to implement an Environmental Management System that targets material purchased. An Environmental Management Information System that tracks and authorizes chemical product purchase. |
| A flow chart or matrix detailing all hazardous wastes it produces, by quantity and type, including mixed waste, and by building/area and program if consistent with security considerations | Matrix attached. |
| Demonstration of the need to use those processes which produce a particular hazardous waste due to a lack of alternative processes, available technology, or available alternative processes that would produce less volume of toxic waste | The need to use processes which produce a particular hazardous is driven by our mission (Air Defense of USA) that includes sophisticated aircraft and other equipment |
| Demonstration of the applicability of inapplicable of the following waste minimization techniques: | |
| A program that inventories the amount of contaminated lead that exists at the facility | Not Applicable. |
| A program that substitutes steel for lead whenever possible | Not Applicable. |
| A program or bench scale method to decontaminate the contaminated lead | Not Applicable |
| Use of non-hazardous liquid scintillation cocktail solution | Not Applicable |
| A program designed to prevent commingling of radioactive waste | HAFB does not produce radioactive waste |


 DEBORAH J. HARTELL
 Environmental Flight Chief

HAFB Waste Streams

1 October 2003-30 September 2004

| Facility Name | Bldg | Waste Stream: Physical State, EPA Code | Lbs. |
|-------------------------------|------|--|------|
| 90-Day Facility | 149 | | |
| | | Batteries | 1794 |
| | | ES | 11 |
| | | Misc. | 945 |
| Vehicle Maintenance | 198 | | |
| | | Gasoline Fuel Filters and Absorbents: Solid, D018 | 174 |
| Structural Repair/Sheet Metal | 281 | | |
| | | Rags, Absorbent, Debris, Metal Shavings: Solid, D007, F001 | 91 |
| Wheel and Tire | 282 | | |
| | | Jet Wash Water: Liquid, D006 | 4298 |
| Corrosion Control | 282 | | |
| | | Rags and Debris Contaminated with MEK : Solid, F001 | 3694 |
| | | Paint Booth Filters: Solid, D007 | 673 |
| | | Waste Paint Related Material: Liquid, D001, D006, D007 | 3022 |
| | | Used Blasting Media: Solid, D006, D007 | 4357 |
| | | Used Alodine: Liquid, D007 | 1000 |
| | | Bead Blast Filters: Solid, D006 | 1065 |
| Aircraft Repair | 286 | | |
| | | Aqueous Effluent: Liquid, D006 | 4401 |
| | | Rags, Absorbent, Paper, Debris: Solid, D006 | 105 |
| | | Used Lixton TS803: Liquid, D006, D008 | 2845 |
| | | Waste Lixton, SO: Liquid, D006 | 3836 |
| Aircraft Maint/Paint Booth | 294 | | |
| | | Mixed Used Paint: Liquid, D001, D007, D035 | 403 |
| | | Rags & Debris: Solid, D007 | 253 |
| Propulsion | 300 | | |
| | | Fluid Carbon Remover: Liquid, D006 | 23 |
| AGE Support | 309 | | |
| | | Waste Liquid from AGE Equipment: Liquid, D010 | 219 |
| | | JP8 and Gasoline Filters: Solid, D001, D018 | 176 |
| | | Jet Wash Water: Liquid, D006 | 657 |
| Ground Equipment Shop | 314 | | |
| | | Waste Paints, Lubricants: Liquid, D001, D007, D035, D039 | 72 |
| | | Rags, Absorbents and Debris: Solid, D006 | 1133 |
| | | Used Isopropanol: Liquid, D001 | 105 |
| Fuel Shop | 315 | | |
| | | Rags, Absorbents, Debris: Liquid, F005, D006 | 490 |
| F-4 Support | 500 | | |
| | | Rags, Paper Towel & Debris: Solid, D006 | 815 |
| T-38 Support | 578 | | |
| | | Rags and Debris: Solid, D006 | 2527 |
| HAZMART | 806 | | |
| | | ES | 1370 |
| | | Misc. | 2854 |
| | | One-time | 2 |
| Sensor Photo | 823 | | |
| ES | | Regulated Expired Shelf Life: | 30 |
| Paint Barn | 830 | | |
| | | Used Plastic blast Media and or Blaster Filters: SemiSolid, D006, D008 | 3807 |
| | | Paint Booth Filters, Rags and Painting Debris: Solid, D007 | 3634 |
| | | Paint Related Material: Liquid, D001, D035 | 3078 |
| | | Paint Booth Filters, Rags and Painting Debris: Solid, D006 | 5399 |
| Optics | 842 | | |
| | | Rags with Solvent and Debris: Solid, F001 | 519 |
| | | | |
| | | 856 | |
| | | Rags with Paint and Solvents: Solid, F005 | 115 |

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|-----------------------------|---|--|---------|
| Wheel/Tire | 866 | | |
| | Sludge from Jet Washer for Tire Rims: Liquid, D018 | | 325 |
| | Solid Waste Debris from PW: Solid, D006 | | 666 |
| | | | 434 |
| Fuel System Repair | 868 | | |
| | Rags, Absorbent, Sealant, Debris: Solid, F003, F005 | | 697 |
| 9 th AMU Support | 868 | | |
| | Rags, Coveralls, Absorbents and Debris: Solid, D006, D027 | | 10897 |
| Armament | 883 | | |
| | Water from APW: Liquid, D006 | | 325 |
| 8 th AMU Support | 894 | | |
| | Rags, Absorbent, Debris: Solid, F001 | | 14386 |
| MARS | 898 | | |
| | Rags & Debris: Solid, D007, D035 | | 1097 |
| Corrosion Control | 903 | | |
| | Paint Dust and Blast Media: Solid, D006 | | 2023 |
| | Waste Paint Related Material: Liquid, F005, D001 | | 444 |
| | Rags, Paint Booth Filters, Paint Booth Paper, Debris: Solid, F005 | | 2412 |
| Munitions | 1226 | | |
| | Spent Brake and Clutch Cleaning Solution: Liquid, D006 | | 425 |
| Vehicle Maintenance | 7000 | | |
| | Waste Paint: Liquid, D001 | | 75 |
| Model Shop (Portable) | 7000 | | |
| | Rags, Absorbent, Debris: Solid, F005 | | 152 |
| Miscellaneous | 9999 | | |
| | Nickel-Cadmium Battery | | 1657 |
| | Lead Acid Batteries | | 405 |
| | Misty Oven and Grill Cleaner | | 20 |
| | Bead Blast Media | | 40 |
| | Spent Low Pressure Sodium Lamps | | 54 |
| | Corrosive Waste Liquid | | 27 |
| | Spent Bleach with empty vials | | 6 |
| | Waste Solid Material from PW | | 207 |
| | Used Rags with Fuel | | 104 |
| Spill Clean-up Materials | 9997 | | |
| | Absorbent material & debris with mixed C473 | | 20 |
| | Absorbent material with unleaded fuel | | 22 |
| | Absorbent material with unleaded fuel | | 4 |
| | Absorbent pads saturated w/gasoline | | 730 |
| | Absorbent material with unleaded fuel | | 42 |
| | Absorbent material with diesel fuel | | 450 |
| | Absorbent material with unleaded fuel | | 21 |
| | Absorbent with unleaded fuel | | 27 |
| Expired Shelf Life | | | 5002 |
| Total | | | 103,188 |