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DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 49TH WING (ACC)  
HOLLOMAN AIR FORCE BASE NEW MEXICO

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NOV 25

NMED  
Hazardous Waste Bureau

DeAnna Rothhaupt  
Chief, Holloman AFB Environmental  
550 Tabosa Avenue  
Holloman AFB NM 88330-8458

19-23-2014 10:47

New Mexico Environment Department  
Hazardous Waste Bureau  
Attn: Mr. John Kieling  
2905 Rodeo Park Drive East, Building 1  
Santa Fe NM 87505

Dear Mr. Kieling

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 letter and attachments serve to satisfy the 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.

Attached is the Fiscal Year 2014 Holloman AFB Waste Minimization Program for the period of 1 Oct 13 through 30 Sep 14. This waste minimization program includes the 49th Installation Management Environmental Guidance Memorandum and a matrix of waste streams produced by Holloman AFB operations.

If you have any questions, please contact Mr. John Hamann of our Installation Management Flight at (575) 572-6644.

Sincerely

A handwritten signature in black ink, appearing to read "DeAnna M. Rothhaupt", with a horizontal line extending to the right.

DeAnna M. Rothhaupt, GS-12, DAF

Attachment:  
FY 2014 Holloman AFB Waste Minimization Program



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 49TH WING (ACC)  
HOLLOMAN AIR FORCE BASE NEW MEXICO

MEMORANDUM FOR NMED Hazardous Waste Bureau  
2905 Rodeo Park Drive East, Building 1  
Santa Fe, NM 87505

23 Sep 14

FROM: 49 CES/CEIE (Environmental)

SUBJECT: Installation Management Environmental Policy Statement

1. The 49th Installation Management Flight is dedicated to protecting the environment through the conservation of our natural resources. This policy letter requires the support of all stakeholders in order for its success. This statement establishes the direction of the 49th Wing to accomplish environmental protection.
2. While accomplishing the mission, we perform tasks that could potentially affect the environment. Complying with guidance makes environmental protection attainable. We must spread the word on programs and policies and make sure everyone in the organization knows how and why we put so much effort into this area.
3. Our goals are simple and direct, and establish clear priorities. We will comply with all laws and regulations and clean up areas where we, or our predecessors, have failed to comply. Commanders must take responsibility for the areas under their supervision and understand the requirements and standards of compliance.
4. As an organization, we must go several steps beyond compliance. We can improve the way we comply by improving our comprehensive pollution prevention program. This means minimizing the use and disposal of hazardous chemicals, implementing waste reduction opportunities and recycling solid waste when possible. We must examine our processes and look for areas where improvements can be made. I challenge every unit in the Wing to help reduce our environmental footprint.
5. Holloman AFB is a recognized leader in protecting the environment. We have accomplished a great deal in the past and now must look to the future. Preventing pollution from the beginning eliminates environmental non-compliance. Everyone must do their part to make that happen.
6. If you have any questions, please contact Mr. John Hamann of our Installation Management Flight at 575-572-3931/6644.

## **Fiscal Year 2014 Holloman AFB Waste Minimization Program**

### **Waste Minimization Plan Objective**

Any written policy or statement that outlines the goals, objectives and methods for source reduction and recycling of hazardous waste at the facility.

Any employee training or incentive program designed to identify and implement source reduction and recycling opportunities for all hazardous waste.

Any source reduction and recycling measures implemented in the last 5 years for the near future.

### **Holloman AFB FY 14 Actions**

A written Installation Management Environmental Guidance memorandum that includes the entire base signed by the Base Civil Engineer. A copy is attached.

Employee training or incentive programs include participation in Annual Air Force Environmental Training Symposium; quarterly Internal Environmental Compliance assessment; ongoing Pollution Prevention Opportunity assessments and annual Hazardous Waste Management training.

Source reduction measures include Aqueous parts washers; introduction of environmentally friendly cleaning compounds to replace solvent used in paint gun cleaners and recovery of silver for waste generated by F-16 maintenance operations.

Planned source reduction and recycling measures include use of premoistened solvent wipes to reduce cleaning where solvent use is required to technical order requirements for aircraft.

## **Waste Minimization Plan Objective**

An itemized list of dollar amounts of capital expenditures and operating costs devoted to source reduction and recycling of hazardous waste

Factors that have prevented implementation of source reduction and recycling.

Sources of information on source reduction and recycling received at the facility (local government, trade associations, suppliers, etc).

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 the 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.

## **Holloman AFB FY 14 Actions**

Recycling hazardous waste through Safety Kleen.

Recycling markets for hazardous waste are dependent on types of waste, quantity and distance to nearest recycling facility.

Course attendance, online searches and networking with others at the Air Force Environmental Training Symposium, other Air Force bases, commercial entities through association with the NM Recycling Coalition and EPA.

Investigation of waste minimization: Opportunity assessments are continued to evaluate waste minimization opportunities.

## Waste Minimization Plan Objective

A flow chart or matrix detailing all hazardous wastes it produces by type, including mixed waste, building and program if consistent with security considerations.

Demonstration of the need to use those processes which produce a particular hazardous waste due to lack of alternative processes, available technology or available alternative processes that would produce less volume of hazardous waste.

Demonstration of the applicability or inapplicability of the following waste minimization techniques:

- A program that inventories the amount of contaminated lead that exists at the facility.
- A program that substitutes steel for lead whenever possible.
- A program for coating lead with a strippable coating to prevent its entire contamination, if it is impossible to substitute steel for lead.
- A program or bench scale method to decontaminate the contaminated lead.
- Use of non-hazardous liquid scintillation cocktail solution.

## Holloman AFB FY 14 Actions

Matrix attached. Routine operations at Holloman AFB do not produce mixed waste streams.

The requirement to use processes which produce a particular hazardous waste are driven by our mission.

Not Applicable. Operations at HAFB do not produce radioactive contaminated lead.

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Not Applicable. Routine operations at HAFB do not produce radioactive contaminated lead.

Not Applicable. Scintillation cocktail solution is not used at HAFB.

**Waste Minimization Plan Objective**

- A program designed to prevent commingling of radioactive waste.

**Holloman AFB FY 14 Actions**

Not Applicable. Routine operations at HAFB do produce radioactive waste.

Bldg#	Shop/Organization	Waste Stream	State	EPA Waste Codes	Lbs Generated
58	CE Utilities	Rags & Debris	Solid	D018, F003, F005	187
61	HVAC Shop	Burnt Freon Medium	Gas	D003	4
118	DRMO	Broken CRT	Solid	D008	455
149	90-Day Facility	PCB	Solid		614
149	90-Day Facility	Lithium Batteries	Solid		238
193	Vehicle Maintenance	Gasoline Fuel Filters	Solid	D001, D018	169
195	Allied Trades	Paints and solvents	Liquid	D001, D006, D035	0
		Rags & debris contaminated with paint, solvent	Solid	F005	120
198	Vehicle Maintenance	Waste Gasoline	Liquid	D001, D018	303
282	Corrosion Control	Rags, Filters, and debris	Solid	D006, F002, F005, D007	1335
		Waste paint related material	Liquid	D001, D007, F003, F005	1243
		Used blasting media	Solid	D006, D007	330
282	Wheel and Tire	Jet Wash Water	Liquid	D006	1848
286	Aircraft Repair	Parts Washer Fluid	Liquid	D006, D001, D008	1243
		Waste paints, lubricants	Liquid	D001, D007, D035, D039	0
		Rags, absorbent, paper, debris	Solid	D006, D007, F003, F005	0
		Used SVB-175 Universal Cleaner	Liquid	D006, D008	1394
294	Aircraft Maint/Paint Booth	Waste paint related materials	Liquid	D001, D035	0
		Mixed used paint	Liquid	D001, D007, D035, F002, F005	0
		Rags/Debris	Solid	D007, F002, F005	85
300	Propulsion	Vapor blast media and debris	Liquid	D007, D006	1568
		Fluid carbon remover	Liquid	D018, D019	101
		Rags and Debris with Acetone	Solid	F003	0
301	Aircraft Maintenance	Rags with Fuel and SFL	Solid	D018, F005	257
314	Ground Equipment Shop	Waste paints, lubricants	Liquid	D001, D007, D035, D039	0
		Rags with solvents	Solid	F003, F005	97
R350	Contractor	MISC Waste			382
578	T-38 Support	Rags & Debris	Solid	D006, F005	1572
800	Engine Shop	Rags & Debris	Solid		37
806	HAZMART	Paints, solvents, silicones, adhesives, sealants (#1)	Liquid	D001, D005, D006, D007, D008, D035, D039	2487
		Isocyanate Polyurethane and Paint Pens (#2)	Liquid	D001, D005, D006, D007, D010, D035	1636
		Sealants and Adhesives (#3)	Liquid	D001, D005, D007, D008, D018, D023, D035	912
		Expired Shelf Life (Non-IAP)	Gas	D001, D003	27
806	HAZMART	MISC Expired Shelf Life (Non-IAP)		D001, D002, D003, D005, D006, D007, D035, U002, U159, I161	5819
818	AGE	Rags and Debris	Solid	D006	719
830	49 Corrosion	Blast Media	Solid	D006	509
830	49 Corrosion	Rags, Filters & Debris	Solid		516
842	Optics	Blast Media	Solid	D006	104
842	Optics	Rags, Fuel Filters, Debris	Solid	F005, F003	187
844	Motor Pool	Paints and solvents mixture	Liquid	D001, F003, F005	387
856	Paint Shop	Rags, debris with paint and solvent	Liquid	D001, F003, F005	138
		Paint Filters from Booth	Solid	D007	39
868N	Fuel Shop	Rags and Debris	Solid	F003	106

868N	Fuel Shop	O2 Sensors	Liquid	D002	4
868N	Fuel Shop	Rags & Debris with JP8 and Oil	Solid	F003	39
877	Armament Shop	Waste Paint Related Material	Solid	D001, D035, F005	39
898	Structures	Excess liquid Paint	Liquid		1308
		Paint Filters, Paper, and Debris	Solid	D007	3613
		Gasoline fuel filters and absorbents	Solid	D018, D001, D035	
901	Vehicle Maintenance	Rags and debris	Solid	D039	446
		Used antifreeze	Liquid	D008	
901	Power Pro	Rags and Debris	Solid	D006	497
		Waste Paint Related Material	Liquid	D001, F005	
903	Corrosion Control	Rags, Filters, and Debris	Solid	F005	417
		Blast Media	Solid	D007	870
1079	Army Air	Rags, Absorbent, Debris	Solid	D006	383
1080	Army Air	Waste Paint & Solvents	Solid	D001, D007, D008, F003, F005	2559
1178B	Test Track	Waste Garnet from New Machine	Solid	D007	370
		Rags and Debris with solvent	Solid	F003	269
1181	Test Track	Rags, Debris, Solvents	Solid	F003, F005	87
1238	PGM	Absorbents	Solid	D001, D018	151
9997	Spills	Expired Shelf Life	Solid	D001, D003, D005, D006, D007, D018, F005	618
				<b>TOTAL (1 OCT 13 – 30 SEP 14)</b>	<b>38,838</b>