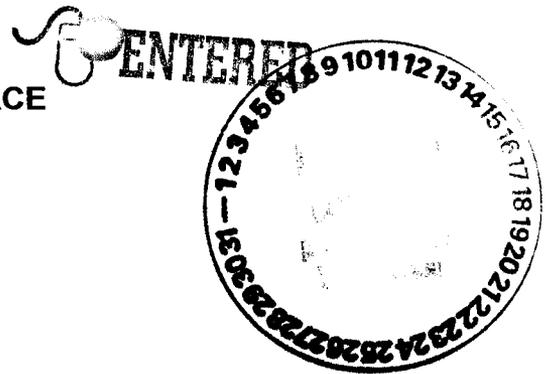




DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 49TH WING (ACC)
HOLLOMAN AIR FORCE BASE, NEW MEXICO



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

19-23-2013 9:12:51

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 2013 Holloman AFB Waste Minimization program for the period of 1 Oct 12 through 30 Sep 13. 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,

DeAnna M. Rothhaupt, GS-12, DAF

Attachment:
FY 2013 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

FROM: 49 CES/CEIE

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.

A handwritten signature in black ink, appearing to read "DeAnna M. Rothhaupt".

DeAnna M. Rothhaupt
Chief, Holloman AFB Environmental

Fiscal Year 2013 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 13 Actions

A written Asset 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-22 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 13 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 13 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 13 Actions

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

Bldg	Shop/Organization	Waste Stream	State	EPA Waste Codes	Lbs Generated
20	Dental Clinic	Excess Amalgam	Solid	D009, D011	8
54	CE Power Production	Used Blast Media	Solid	D006	35
149	90-Day Facility	Mercury thermometers, mercury bulbs, rags, absorbent, debris	Solid	D009	12
193	Vehicle Maintenance	Used antifreeze and water	Liquid	D010	1333
195	Allied Trades	Paints and solvents	Liquid	D001, D006, D035	35
		Rags & debris contaminated with paint, solvent	Solid	F005	145
198	Vehicle Maintenance	Gasoline fuel filters and absorbents	Solid	D018	26
198	Vehicle Maintenance	Used antifreeze	Liquid	D010	605
280	ECS Shop	Rags, absorbent, debris	Solid	D006	26
280	Machine Shop	Rags, absorbent and debris	Solid	D006	33
281	Hydraulics Shop	Rags, absorbent, debris, metal shavings	Solid	D006	198
282	Corrosion Control	Rags and debris	Solid	D006, F002, F005	1,009
		Paint Booth Filters	Solid	D007	55
		Waste paint related material	Liquid	D001, D006, D007, F003, F005	855
		Used blasting media	Solid	D006, D007	1198
282	Wheel and Tire	Jet Wash Water	Liquid	D006	2,998
283	Aero Club	Rags, absorbent, debris	Solid	D006, D008	106
286	Aircraft Repair	Parts Washer Fluid	Liquid	D006	255
		Waste paints, lubricants	Liquid	D001, D007, D035, D039	12
		Rags, absorbent, paper, debris	Solid	D006, D007, F003, F005	38
		Used Solvent Naphtha	Liquid	D001, D006	755
		Used SVB-175 Universal Cleaner	Liquid	D006, D008	1644
286	Aircraft Maintenance	Used Parts Washer Fluid	Liquid	D006, D008	1,345
294	Aircraft Maint/Paint Booth	Waste paint related materials	Liquid	D001, D035	11
		Mixed used paint	Liquid	D001, D007, D035, F002, F005	15
		Rags/Debris	Solid	D007, F002, F005	135
297	NDI	Water with Silver	Liquid	D001, D002	117
		Imaging Plates	Liquid	D001, D002	0
		Material to Waste	Liquid	D001, D002	117
300	Propulsion	Vapor blast media and debris	Liquid	D007	513
		Fluid carbon remover	Liquid	D006	14
		Used fingerprint remover	Liquid	D001	2
		Rags and Debris with Acetone	Solid	F003	9
		Ultrasonic water solution from parts washer	Liquid	D006	5
		Water from Small Blue Parts Washer	Liquid	D006, D007	7
309	AGE Support	Used Oxygen Sensors	Liquid	D002, D008	3
314	Ground Equipment Shop	Waste paints, lubricants	Liquid	D001, D007, D035, D039	7
		Rags, absorbents and debris	Solid	F005	15
314	Ground Equipment Shop Maint	Battery Fluid Acid with Water	Liquid	D002	22
315	Fuel Shop	Rags, absorbent, debris	Solid	D006, F005	117
576	Survival Shop	Rags, absorbent, coveralls, debris, PPE	Solid	F003, F005	22
578	T-38 Support	Rags & Debris	Solid	D006	1,423
806	HAZMART	Paints, solvents, silicones, adhesives, sealants	Liquid	D001, D005, D006, D007, D008, D035, D039	3,255
		Expired Shelf Life	Gas	D001, D003	337

		Expired Shelf Life	Solid	D001, D035	956
		Material to Waste	Liquid	D001, D007, D0101, D035	1,267
		Material to Waste	Solid	D007, D035	78
		Sealants and Adhesives	Liquid	D001, D005, D007, D008, D018, D023, D035	255
		Isocyanate Polyurethane and Paint Pens	Liquid	D001, D005, D006, D007, D010, D035	1,710
		Expired Shelf Life	Liquid	D001, D002, D003, D005, D006, D007, D035, U002, U159, U161	2,298
830	Paint Barn	Used plastic blast media and/or blaster filters	Solid	D006, D007	3,823
		Rags/debris with paint	Solid	D007, D035	47
		Used Blasting Suits	Solid	D006, D007	38
		Paint booth filters, rags, and painting debris	Solid	D007, F003, F005	1,989
		Paint Related Material	Liquid	D001, D035, F003, F005	903
842	Optics	Rags with solvent and debris	Solid	F001	155
		Blast Media	Solid	D006	34
844	Motor Pool	Rags, Fuel Filters, Debris	Solid	F002, F003	399
855	EOD	Metal Fragments	Solid	D006	10
856	Paint Shop	Paints and solvents mixture	Liquid	D001, D035, F003, F005	17
		Used Concentrated Foaming Action	Liquid	D002	4
		Rags, debris with paint and solvent	Solid	F003, F005	17
868	Fuel System Repair	Rags, absorbent, sealant, debris	Solid	F003, F005	135
901	Vehicle Maintenance	Gasoline fuel filters and absorbents	Solid	D018	16
903	Corrosion Control	Paint dust and blast media	Solid	D006, D008	202
		Bead Blast Filters	Solid	D006	855
		Waste paint related material	Liquid	D001, F005	34
		Rags, paint booth filters & paper, debris	Solid	D001, D004, D007, F005	401
1079	Aircraft Maintenance	Used Rags with Grease	Solid	D006	78
1178	Paint Shop	Waste Paint & Solvents	Solid	D001, D006, D007, D008, F003, F005	378
		Rags	Solid	F003, F005	16
1181	HS Test Track	Rags, debris with solvent	Solid	F003	23
9997	Spills	Absorbents	Solid	D001, D018	34
9999	Miscellaneous	Expired Shelf Life	Solid	D001, D003, D005, D006, D007, D018, F005	1,299
		Expired Shelf Life	Liquid	D001, D002, D004, D005, D006, D007, D008, D009, D018, F005, U154	599
		Waste AVGAS	Liquid	D001, D008, D018	634
21814	Aircraft Structural Maintenance	Rags and painting debris	Solid	F003, F005	5,211
				TOTAL (1 OCT 11 – 30 SEP 12)	42,787