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

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03 NOV 1995

MEMORANDUM FOR US ENVIRONMENTAL PROTECTION AGENCY, REGION 6

Attn: Lowell Seaton
Hazardous Waste Division
1445 Ross Ave
Dallas, TX 75202-2733



FROM: 49 CES/CEV
550 Tabosa Avenue
Holloman AFB, NM 88330-8458

SUBJECT: Hazardous and Solid Waste Amendment (HSWA) Quarterly Report (Jul-Sep 95)

1. In accordance with Module IV, Section E of Holloman AFB's HSWA permit, attached please find the Jul-Sep 95 Quarterly Report.
2. If you have any questions, please contact Warren Neff at (505) 475-5395.

Howard E. Moffitt
HOWARD E. MOFFITT
Deputy Base Civil Engineer

Attachment:
HSWA Quarterly Report

cc: w/Atch

Mr David Morgan
New Mexico Environment Department
Groundwater Protection and Remediation Bureau
1190 St. Francis Drive
Santa Fe, NM 87502

Mr Steve Pullen
New Mexico Environment Department
Hazardous and Radioactive Materials Bureau
525 Camino de los Marquez
Santa Fe, NM 87502

HOLLOMAN AIR FORCE BASE, NM

HAZARDOUS AND SOLID WASTE AMENDMENT

QUARTERLY REPORT

JUL-SEP 1995

ATCH 1

I. INTRODUCTION

A. Pursuant to the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act (RCRA), as amended by the RCRA Statute (42 U.S.C. 6701, et seq.), as amended by the Hazardous and Solid Waste Amendments of 1984 (HSWA), a permit has been issued to Holloman AFB to operate a hazardous waste disposal facility.

B. This Quarterly Report is consistent with the terms and conditions of the permit found under Module IV, Section E.

II. DESCRIPTION OF WORK COMPLETED.

A. The following is a list of solid waste management units (SWMUs) and Installation Restoration Program (IRP) sites investigated under the IRP program. Also listed are the site descriptions and status as of this quarter.

SUMMARY OF HOLLOMAN AFB IRP/SWMU SITES

IRP/ SWMU #	Site Description	Material Disposed	Dates of Operation	Status
1/106	Main Base Landfill	Construction rubble, small quantities of solvents, waste oil, and pesticides	1958-Present	SC/LTM
2/AOC-T	POL Spill Site No. 1	JP-4 and other fuels	1960-1970s	LTO
3/114	POL Tank Sludge Burial Site	Sludges, rags, iron fragments	1955-1975	SC
4/102	Acid Trailer Burial Site	Acid trailer, lab equipment, bottles, spent rockets	1958	SC
5/AOC-T	POL Spill Site No. 2	JP-4	1978	LTO
6/AOC-R	Fuel Line Spill Site No. 2	JP-4	1979	PA/SI
7/110	Rubble Disposal Site	Wood, nails, sheet metal	1965 - Present	SC
8/82	Refuse Collection Truck Washrack	Pesticides	1970s	RD
9/42	POL Drum Storage/Spill Area	Waste oils, solvents, hydraulic fluid, fuels	1965-1980	SC
10/101,109	Old Main Base Landfill	Domestic waste, incinerator ash, solvents, waste oil	1942-1958	SC/LTM
11/107	Main Base Electrical Substation	PCBs	Unknown-1979	IRA/SC
12/AOC-K	Fuel Line Spill Site No. 1	JP-4	1975	SC

IRP/ SWMU #	Site Description	Material Disposed	Dates of Operation	Status
13/AOC-J	Sodium Arsenite Spill Site	Sodium Arsenite	1979	SC
14/197	Former Entomology Shop	Pesticides	1968-1977	RD
15/80	Refrigeration/Heat Shop Washrack	Sulfuric Acid	1971-1981	PA/SI
16/132,118 AOC-A	Existing Entomology Shop	Pesticides	1977-Present	IRA
17/AOC-Q	BX Service Station Fuel Leak	Gasoline	1950s-Present	RD/RA
18/AOC-H	Chromic Acid Spill Site	Chromic Acid	1970s	SC
19/105	Golf Course Landfill	Grass clippings, rodenticides	1968-1978	SC/LTM
20/113A	WWTP Grit Burial Site	Sludge from grit chamber	1947-Present	SC
21/116	West Area Landfill No. 2	Paper bags, boxes, boards	1970-1977	SC/LTM
22/115	West Area Landfill No. 1	Plastic sheets, boxes, cans	1974-1978	SC/LTM
23/108	MOBSS Landfill	Diazinon, dibromochloromethane, construction debris, drums, buckets	1976-1979	SC/LTM
24/134	Former Equipment Maint. Area	Cleaners, waste solvents, oils	1959-1970	RI/FS
25/166	Possible Drainage Lagoon Disposal Site	Pesticides, HTH, solvents	1977	SC
26/AOC-D	Possible Missile Fuel Spill Site	Waste fuels	1976	SC
27/141	Pad 9 Washrack Area	Radioactive Materials	1940s	PA/SI
28/212	Former North Area Washrack	Oils, detergents, fuels	1950s	SC
29/104	Former Army Landfill	Spent munitions and missiles	1950s-1975	RI/FS
30/113B	Grease Trap Disposal Pits	Wastes from grease trap	1959-Present	SC/LTM
31/170,171, 127,135,39	Fire Department Training Area	Waste oils, solvents, fuels	Unknown-1990	RI/FS/IRA
32/PRI-A	Sewer line from Primate Research Lab	Carbon-14, iodine, tritium, solvents	1960s-1981	SC
33/113B	Cooking Grease Disposal Pits	Cooking grease	Unknown- Present	SC/LTM
34	Spent Munitions Burial Site	Spent munitions	Unknown	SC

IRP/ SWMU #	Site Description	Material Disposed	Dates of Operation	Status
35/PRI-5	Spent Solvent Disposal Area	Radioactive tracers, solvents	1950s	SC
36/129,178	Unconventional Fuels Storage Site	JP-X, nitric acid, UDMH, aniline, JP-4	1950s	IRA
37/AOC-L	Early Missile Testing Site	Fuels, lead oxide, nitrate compounds, acids	1947-1955	SC
38/137,138	Sled Test Maintenance Area	Waste oils, solvents, paint, strippers	1951-1979	SC
39/165,167, 177,179,181	Missile Fuel Spill Area	Oxidizers, fuels	Unknown-1975	SC
40/103	Causeway Rubble Disposal Site	Concrete rubble	Unknown- Present	SC
41/192	Coco Block House Borehole Disposal Site	Propellants, oxidizers	1960s	SC
42/111	Radioactive Material Burial Site	Radioactive material	1950s	SC
43/AOC-G	Atlas Electrical Substations	PCBs	Unknown-1979	IRA/SC
44/AOC-P	Bldg. 301 Aircraft Maintenance Hangar	Heating oil, fuel	Unknown	RI/FS
45/AOC-O	Old AGE Refueling Station	Gasoline, JP-4, diesel	Unknown- 1980s	RI/FS
46/130,AOC- S	JP-4 Spill Site	Waste JP-4	1978-1990	SC
47/21,22	POL Washrack Discharge Area	Waste JP-4	1953-1993	IRA
48/AOC-N	Military Gas Station	Gasoline	Unknown- Present	SC
49/148-154	Sewage Lagoons	Hazardous wastes	1943-Present	RI/FS
50	Waste Disposal Pit	Can, drums	Unknown	SC
51/PRI-S	Primate Research Lab Borehole Disposal Site	Radioactive material, solvents	1950-Present	SC
56	West Ramp Fuel Spill	Fuels	Unknown- Present	SC
57	Officer's Club	Diesel, sulfurous compounds	1960-Present	RI
58/231	Incinerator/Landfill	Ash from unconventional fuels, film	Unknown- Present	RI/FS
59/19,20,229	T-38 Test Cell Fuel Spill Site	JP-4	1966-1991	IRA/RD

IRP/ SWMU #	Site Description	Material Disposed	Dates of Operation	Status
60/230	Bldg 828 Fuel Spill Site	Diesel, gasoline, JP-4	1977-1991	RD
AOC-BBMS	Bare Base Mobility Squadron	JP-4	Unknown	PA/SI
AOC-RR	Buried RR Cars	Waste oil, fuel	Unknown	PA/SI

FFCA Federal Facility Compliance Agreement
 IRA Interim Remedial Action
 PA/SI Preliminary Assessment/Site Investigation
 RA Remedial Action
 RI/FS Remedial Investigation/Feasibility Study
 SC Site Close-Out
 SI Site Investigation
 LTM Long Term Monitoring
 AOC Area of Concern (Air Force Designation)

III. SUMMARY OF FINDINGS.

- A. Operation of the T-38 Test Cell (SWMU 229) dual phase vapor extraction (DPVE) continued this quarter. Product recovery to date is estimated at 50,000 gallons of JP-4.
- B. The Table 1 Phase 2 RFI Report was submitted to EPA in June. Following approval of the report, permit modification requests will be submitted. Voluntary cleanup actions are currently in preliminary design for a majority of the sites requiring remediation.
- C. Design activities are approaching completion for the T-38 Test Cell and Bldg 828 (SWMU 230). Once completed, the design specs will be submitted to EPA. Following appropriate time for EPA to review the design specs, HAFB will begin construction of the DPVE systems.
- D. The soil vapor extraction system at SWMU AOC-T, the POL Spill Sites, continued to operate this quarter. At this time, approximately 6000 pounds of JP-4 have been removed. This system is anticipated to operate through next summer.
- E. Remediation workplans for Table 2 and selected Table 3 SWMUs were submitted in June. Work began in July and was completed in August. Reports detailing the remediation at these sites will be submitted in December.
- F. The Table 3 RFI Report was submitted in July. Following appropriate time for EPA review, remediation of these sites will be initiated.

IV. PROJECTED WORK FOR THE NEXT REPORTING QUARTER - (OCT-DEC 95)

<u>TASK</u>	<u>ANTICIPATED COMPLETION DATE</u>
A. Long Term Operation of T-38 Remediation System	31 Dec 1996
B. T-38/Bldg 828 Remedial Designs	15 Nov 1995
C. Former Entomology Shop (SWMU 179) & Refuse Collection Truck Washrack (SWMUs 4, 82) Designs	1 Nov 1995
D. Remediation reports for Table 2 & Selected Table 3 Contaminated Sites--Voluntary Cleanup Action (VCA)	15 Dec 1995
E. Construction of Lined Asphalt Caps at Entomology Shop and Refuse Collection Truck Washrack (VCA)	30 Nov 1995
F. Fire Training Area (SWMUs 170 & 171) and Bldg 301 Aircraft Maintenance Hanger (AOC-P) Remedial Designs	15 Jan 1996