

HAFB 06

20 MARCH 2006

MEMORANDUM FOR NEW MEXICO ENVIRONMENT DEPARTMENT

Mr. Cornelius Amindyas
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FROM: 49 CES/CEV
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Holloman AFB NM 88330-8458

SUBJECT: Hazardous and Solid Waste Amendments (HSWA) Quarterly Report for October to December 2005, EPA ID NM6572124422

1. In accordance with Module IV, Section E, of the Holloman AFB HSWA permit, attached please find the October - December, 2005 Quarterly Report.
2. If you have any questions please contact me at (505) 572-3496.

Charles Selk / Pa Daniel Holmquist

Daniel K. Holmquist

Environmental Restoration 49 CES/CEV

Attachment: *HSWA Quarterly Report, October-December, 2005* (1 copy)

Cc (w/attachment):

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**HOLLOMAN AIR FORCE BASE
NEW MEXICO**

**HAZARDOUS AND SOLID WASTE AMENDMENT
QUARTERLY ACTIVITY REPORT
EPA ID NM6572124422**



**Activity Period:
October 1 to December 31, 2005**

I.0 INTRODUCTION

This quarterly report has been prepared in accordance with the Resource Conservation and Recovery Act (RCRA) Permit and the Hazardous and Solid Waste Amendments (HSWA) Permit for Holloman Air Force Base (HAFB or Holloman). These permits require periodic reporting of activities related to corrective actions at Solid Waste Management Units (SWMUs) located at HAFB.

The report summarizes activities and available data concerning corrective actions at actively remediated SWMUs across HAFB between **October 1 and December 31, 2005**. Table 1 briefly summarizes the status of each site undergoing the corrective action process. Table 1 provides the SWMU number, site name, corresponding Environmental Restoration Program (ERP) site number, the status of each site, the activities conducted during the reporting period and the schedule for additional activities (if needed).

Section 2.0 provides the details of specific activities such as work plan preparation, report preparation, investigations and remediation activities. Section 3.0 summarizes planned future activities for each site during next quarter. The report certification statement is presented in Section 4.0

2.0 CORRECTIVE ACTION ACTIVITIES THIS QUARTER

Between October 1 and December 31, 2005, remediation activities were conducted at the T-38 Test Cell ERP Site SS-59 (SWMU 229), and SWMU 123 the POL Yard Wash Rack. These remedial efforts involved the excavation of petroleum contaminated soils which were treated in the onsite land farms (FT-31 Landfarm and the T-38 Landfarm).

Additional characterization of groundwater was conducted at the FT-31 Site and SS 02/05 sites as requested by the NMED. These investigations were necessary to characterize the extent of groundwater impacts by hydrocarbons at each site. Additionally, the investigations collected data regarding total dissolved solids (TDS) at these sites.

Geophysical and soil gas surveys were conducted at several landfill sites (LF-10, LF-19, LF-21, LF-22, LF-23, LF-29, and DP-30/SD-33) by the performance based contractor HGL, Inc. The work was conducted in September 2005 in accordance with the work plan submitted to NMED. However, NMED had not provided comments or approval of the work plan prior to the field work.

In November 2005, NMED notified the Base that seven sites were removed from Table A (sites requiring corrective action) to Table B (sites with completed corrective action) of the Base's RCRA Permit. This completes a nearly two year process.

In addition to **Table 1**, details regarding several sites are provided in the subsections below.

2.1 Landfarm at FT-31

During Q4 of 2005, approximately 370 cubic yards of PCS from site SWMU 123 (POL Yard Canopy) were processed and treated. Quarterly reports for the landfarm were submitted to the NMED Groundwater Quality Bureau as required by the operating permit.

2.2 Landfarm at T-38

On October 5, 2005 the NMED Groundwater Bureau granted an operating permit DP 1479 to operate the PCS landfarm at T-38. Quarterly reports for the landfarm were submitted to the NMED Groundwater Quality Bureau as required by the operating permit.

During this quarter, no soil was treated at the landfarm. However, soil from the removal of SWMU 19 and SWMU 20 at the T38 site was being placed in the landfarm between December 6 and December 30, 2005.

2.3 Old Fire Training Area FT-31 (SWMUs 39, 127, 135, 170, 171)

Additional groundwater monitoring wells were installed and soil samples were collected in December 2005. The installation of the additional wells was requested in comments provided by the NMED in July 2005. The wells will provide additional characterization to delineate volatile organic compounds (VOCs) identified in groundwater in the south and eastern boundaries of the site. Groundwater sampling will be performed in January 2006. Analytical results from soil samples collected during groundwater monitoring well installation should be available in January 2006. No VOCs are anticipated in these soil samples.

2.4 T-38 Test Cell Site SS-59 (SWMU 229)

During this quarter, a limited volume of PCSI (less than 500 yards) was excavated during the removal of SWMU 19 and SWMU 20 which are USTs located adjacent to the test cells. It is anticipated that full scale PCS excavation and treatment at the site resume in Q1 2006.

2.5 AOC-2 Tower Site

In December 2006 NMED transmitted a letter of NFA for this site. The site will be placed on the next Permit Modification and Statement of Basis (December 2006).

2.6 SS-61 (AOC-1001) Building 1001

No changes since the previous quarter.

A courtesy copy of the interim FS Report (prepared to meet an internal Air Force milestone) was submitted to NMED for review in September 2004. In February 2005, NMED provided comments and a request for additional groundwater monitoring requirements for the site. A work plan to address the request for additional groundwater sampling and a report summarizing monitoring for natural attenuation were submitted to NMED in May 2005.

A separate investigation to determine the nature and extent of chlorinated volatile organics impacting groundwater in the northern part of this site will be conducted when funding becomes available. This area has been designated as site SS-73 (Building 1088) in order to obtain additional funding and because the contaminants are most likely not related to site SS-61. FY-6 funding for field investigations is working its way to the Base Service Center and contractor.

2.7 SWMU-123 POL Yard

Excavation of PCS beneath the canopy commenced in September 2005 and was completed in December 2006. Special fill material was backfilled beneath the canopy to prevent structural damage. Approximately 370 cubic yards of PCS was taken from the site and transported to the FT-31 Landfarm for treatment. Remaining PCS in the asphalt area north and east of the canopy will be removed in January 2006. Engineered backfill and concrete will be replaced at the canopy as required. Additional characterization efforts at nearby site SWMU 122 will include additional groundwater characterization required at this site. Funding for this effort is programmed for FY 2007.

2.8 SS-57 Officer's Club

No change since the previous quarter. NMED may require the Base to repackage the data and risk assessment as an RFI Report

A risk assessment proposing amended NMED site screening levels (SSLs) for specific constituents at this site was submitted to NMED for review in Q3, 2004. If approved, the risk assessment would eliminate the need to remove difficult to access or inaccessible soil from the site. HAFB is awaiting a response from NMED. There is no

change in the status of this project for the past three quarters. NMED will use an outside risk assessment subcontractor to perform this review.

2.9 Hospital Emergency Generator UST (AOC-S)

No change since the previous quarter.

The Voluntary Corrective Action (VCA) field activities (excavation and confirmation sampling) were completed in July 2005. Awaiting a decision for NFA or comments from NMED.

2.10 Statement of Basis for No Further Action for 7 Sites (SWMUs 136, 139, 140, 106, 166, DP-62 and AOC FST-837)

The Permit Modification was completed in November 2005. No further effort is required at these sites.

2.11 Interim Corrective Action of Landfills (SWMUs 101, 104, 109, 105, 108, 115, 116 & 113B)

In February 2005, Headquarters (Air Combat Command) for Holloman AFB assigned these sites to HGL, Inc. under the new PBC program. HGL submitted a work plan to NMED for the Interim corrective actions in July 2005. In September 2005, HGL performed soil gas and geophysical investigations at these sites without waiting for NMED comments on the work plan. HGL expects comments on the work plan in January 2006 and will present the results of the soil gas and geophysical investigations at the February 2006 progress meeting between HAFB and NMED.

2.12 Interim Corrective Action at 11 sites (SS-06, SS-12, OT-03, OT-20, OT-45, OT-35, OT-37, OT-38, SS-18, OT-32, RW-42)

No change since the previous quarter.

Funding for FY 06 is working its way to the Base Service Center and contractor to complete interim remedial actions necessary to prepare these sites for closeout and NFA. Most require some additional characterization and the removal of PCS to complete IRA.

2.13 Initial Characterization (RFI) Efforts at Seven Sites (SS-65, SS-66, SS-67, SS-68, SS-69, RW-70, TU-71)

No change since the previous quarter.

These sites were not investigated during the Table 1, 2 and 3 RFIs. Funding for FY06 is working its way to the Base Service Center and contractor to begin the characterization process at these sites. It is possible that some sites may not exist. For some, their exact location is not certain. It is possible that some of these sites designations may be an alias for already characterized sites. The first phase of effort for these sites is to determine their location and status.

3.0 ACTIVITIES FOR SCHEDULED FOR THE NEXT QUARTER

Activities for the next quarter (First Quarter, Jan 1 to March 31, 2006) will include:

1. Continued operation of the FT-31 and T-38 PCS Landfarms.
2. Completion of field activities including concrete replacement at SWMU 123.
3. Continuation of excavation and treatment of soil from Site SS-59 (T-38).
4. Groundwater Sampling and Analysis at FT-31 and SS-02/05.
5. Meetings related to the Triad approach to the investigation of SWMU 183, the Base sewer system.
6. Regular progress meeting with NMED scheduled for February 2006.

4.0 CERTIFICATION STATEMENT

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 be 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.

Daniel K. Holmquist

Name

49 CES/CEVR

Organization

Remedial Project Manager

Position

Charles W. Sisk / for Daniel Holmquist

Signature/Date

TABLES

TABLE 1
QUARTER 4, 2005 STATUS SUMMARY
(October 1 to December 31, 2005)
ONGOING CORRECTION ACTION SITES
HOLLOMAN AIR FORCE BASE, NEW MEXICO

SWMU NO.	SITE NAME	SITE STATUS	ACTIVITIES CONDUCTED (THIS PERIOD)	SCHEDULED ACTIVITIES
39,127,135, 170 & 171	Fire Training Area (ERP Site FT-31)	Field Activities Complete	Received comments from NMED the VCM Reports. Comments require additional groundwater sampling and characterization to the south and west of the SWMUs. Conducted additional investigation field work in December 2005.	Deliver revised report with additional characterization data to NMED in April 2006
123	Building 704 Waste Oil Tank (ERP Site N/A)	Undergoing Corrective Action	NMED reviewed and approved the work plan to shore canopy and excavate PCS beneath the wash rack in September 2005. Initiated PCS excavation activities at the site in Mid September. Completed all excavation under the canopy in December 2005. Anticipate completion of excavation of PCS to the east in January 2006. Site will then be repaved and shored.	Anticipate completion of PCS removal in January 2006. Programmed funding for FY 2007 for work at adjacent SWMU 122. The SWMU 122 effort will address remaining groundwater characterization at the site.
136	King 1 Bio Vent Site (ERP Site)	Corrective Action Complete	Received notification that the site has been removed from Table A to Table B of the RCRA permit in November 2005. No additional actions are required.	None. Site will be removed from report in Q1 2006.
139 & 140	Lake Holloman (139) Lake Stinky (140)	Corrective Action Complete	Received notification that the site has been removed from Table A to Table B of the RCRA permit in November 2005. No additional actions are required.	None. Site will be removed from report in Q1 2006.
141	Pad 9 Washrack ERP Site	Site Requires Additional Characterization	No change since previous quarter. Work plan complete and approved by NMED in 2004. Project awarded to PBC contractor HGL, Inc.	Field work will be performed in FY06.

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148 to 154	Holloman Sewage Lagoons	Corrective Action Complete	Received notification that the site has been removed from Table A to Table B of the RCRA permit in November 2005. No additional actions are required.	None. Site will be removed from report in Q1 2006.
229	T-38 Test Cell (ERP Site SS-59)	Undergoing Corrective Action	Removed two USTs SWMUs 19 and 20 from the area near the test cells. Placed PCS from UST excavations (500 yards) into the landfarm. Preparing to initiate further excavation with FY 2006 funding in early January 2006.	Continue to excavate and treat PCS at the site during Q4 2005 if additional funding is available. Anticipate excavating soil near the T-38 hush house facilities.
AOC-2	North Tower Site	Investigation Requested	Received NFA letter from NMED in November 2005.	Place site on 2006 Permit Modification and Statement of Basis.
AOC-Q	BX Service Station (ERP Site SS-17)	Undergoing Corrective Action	No activity this quarter. Waiting for additional funding in FY2006 to resume excavation and treatment of PCS.	Waiting for funding in FY2006 to resume additional treatment and excavation.
AOC-T	Main POL Spill (EPR Sites SS-02 and SS-05)	Undergoing Corrective Action	Installed additional groundwater monitoring wells as requested by NMED in December 2006. Anticipate sampling new wells in January 2006.	Sample groundwater monitoring wells installed in December 2006. Submit VCM report in 2006
AOC-V	Officer's Club (EPR Site SS-57)	Undergoing Corrective Action	No activity this period. According to conversations with NMED, Base should anticipate a request to repackage the data and risk assessment at the site as RFI report.	Anticipate repackaging the data as requested by NMED (when the notice is transmitted).

TABLE 1
QUARTER 4, 2005 STATUS SUMMARY
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LF-10 LF-19 LF-21 LF-22 LF-23 LF-29 DP-30/SD-33	Various Landfills	Corrective Action Interim Corrective Action	HGL, Inc. the PBC contractor hired by ACC submitted the work plan for these sites in July 2005. HGL conducted the soil gas and geophysical surveys at these sites without NMED approval of the work plan.	HGL will present the results of their field investigation at the February 2006 HAFB and NMED routine meeting.
AOC-1	Chemical Agent Site (ERP Site DP-64)	Undergoing Corrective Action	None this quarter. Submitted Report on Field investigations in July 2005.	Awaiting comment from NMED. Anticipate NFA for this site.
AOC-3	Ammunition Disposal Site (ERP Site DP-63)	Undergoing Corrective Action PA/SI Completed 2000	Initiated field work at the site in October 2005. Removed UXO and rendered materials harmless. However, field crews encountered asbestos containing materials (ACM) at the pits. Additional training of the staff is required.	Anticipate completing revised H&S requirements for ACM by January 2006. Train field crews for ACM. Resume field work in Q1 2006.
AOC-4	West POL Fuel Spill Site	Corrective Action Complete	None this quarter.	Anticipate preparing a Risk assessment for PCS remaining beneath the tank farm. Awaiting comments on the Site SS-57 risk assessment from NMED before proceeding.
SS-61	Building 1001 (ERP Site SS-61)	Undergoing Corrective Action	None this quarter. Anticipate receiving comments from NMED in January 2006.	Awaiting comments from NMED on submitted work plan and MNA report. Additional funding requested in FY 2006 to perform the additional work.

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AOC-S	Hospital UST (Emergency Generator)	Undergoing Corrective Action	Submitted VCA Report in Q3 2005.	Awaiting response to VCA report from NMED.
SS-06 SS-12 OT-03 OT-20 OT-45 OT-35 OT-37 OT-38 SS-18 OT-32 RW-42	POL Fuel Line Spill West POL Fuel Line Spill Site The POL Tank Sludge Burial Site Sewage Lagoons Disposal Trench Old Age Refueling Station Spent Solvent Disposal Area Early Missile Testing Site Test Sled Maintenance Area Chromic Acid Spill Site Collapsed PRA Sewer Lines Radioactive Waste Burial Site	Undergoing Corrective Action Interim Remedial Action	Funding for completion of remedial activities at these sites has been approved for FY 06.	Waiting for funding. Anticipate activity at these sites in FY06
SS-65 SS-66 SS-67 SS-68 SS-69 RW-70 TU-71	Building 807 Test Cell Spill Building 835 Building 903-909 Sandblast Residue Asphalt Tank Spill Area Fighter Wing Flight Line Spill Building 18, Product Storage Tank Leaking Underground Storage Tank	Undergoing Corrective Action RFI	No change this quarter. To date, no investigations have been conducted at these sites. They are listed on the RFA for the Base. These sites require preliminary assessment to determine their status. Some will require initial site investigation to determine if hazardous constituents are present.	Waiting for funding. Anticipate activity at these sites in FY06.
183	Base Sewer System	RFI	Site will be investigated using the Triad approach. Planning and gathering of data regarding potential inputs to the system. Presented Triad approach to NMED in October 2005.	Develop conceptual model in Q1 2006. Prepare and submit work plan to NMED in Q3 2006.