

HAFB 05

15 DECEMBER 2005

MEMORANDUM FOR NEW MEXICO ENVIRONMENT DEPARTMENT

Mr. Cornelius Amindyas
Hazardous Waste Bureau
5500 San Antonio Drive NE
Albuquerque, New Mexico 87109



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

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

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

Chas W. Selk / For Daniel K. Holmquist

Daniel K. Holmquist

Environmental Restoration 49 CES/CEV

Attachment: *HSWA Quarterly Report, July-October, 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:
July 1 to September 30, 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 **July 1 and September 30, 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 July 1 and September 30, 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 to determine the extent of PCS beneath the West POL Yard tank farm was performed. The purpose was to determine if PCS could be safely excavated at the site without damage to the tank farm structures.

A meeting between NMED and the Base was held in August 2005 in Santa Fe. The purpose of the meeting was to review the status of ongoing efforts and to present the Base position regarding groundwater remediation activities at sites with TDS greater than 10,000 mg/L. The Base's position regarding groundwater remediation was based upon the historical position NMED expressed in direct correspondence regarding groundwater remediation at the Base given the regional groundwater quality (i.e. TDS greater than 10,000 mg/L). At the meeting, NMED stated they were formulating their new position regarding how RCRA and the WQCC regulations will be administered for groundwater at HAFB. The meeting also included a presentation by HGL, Inc. regarding the work plan for the Landfills (LF-10, LF-19, LF-21, LF-22, LF-23, LF-29, and DP-30/SD-33). HGL stated that they would begin the soil gas survey and geophysical

surveys of these sites in September and asked NMED if they had an objection to initiating work. NMED stated no objection to moving ahead with the surveys but reminded HGL that they had not completed the review of the work plan.

Final publication by the NMED of the seven sites for removal from Table A (sites requiring corrective action) to Table B (sites with completed corrective action) of the Base's RCRA was completed.

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

2.1 Landfarm at FT-31

During Q3 of 2005, approximately 2900 cubic yards of PCS from site SS-17 (BX service station) 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 July 16, 2004 NMED Groundwater Bureau granted temporary permission to operate the PCS landfarm at T-38. A final permit for the facility is being prepared by the Groundwater Discharge Bureau. The facility will continue to operate under the temporary discharge approval until the final permit has been issued. During this quarter, approximately 12,000 cubic yards of soil were treated in this landfarm.

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

The revised closure report for the site was submitted in February 2005 to NMED. Comments were provided by NMED on July 27, 2005. NMED and the Base discussed potential solutions and comment responses in August 2005. One comment requires the sampling of existing wells and the installation and sampling of additional groundwater monitoring wells to characterize the extent of groundwater impacts to the south and east of the excavated areas. Sampling and analysis of groundwater from existing wells is planned for early October while funding should be available to install and sample additional wells in December 2005.

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

During this quarter, approximately 12,000 cubic yards of PCS was excavated and placed into the landfarm for treatment. During 2005, approximately 24,000 cubic yards of PCS have been treated in the landfarm while approximately 48,000 cubic yards of soil have been moved at the site to permit access to the PCS. It is anticipated that PCS

excavation and treatment at the site will continue through Q3 when the annual budget will expire.

2.5 Ritas Draw (DP-62)

The site is on the Statement of Basis petition for NFA. No additional activity is anticipated for this site.

2.6 AOC-2 Tower Site

The field investigation at AOC-2 was initiated and completed in Q2 of November 2004. A draft report was submitted to NMED in Q3 of 2004 requesting NFA for the site. NMED provided comments on the draft in Q4, 2004. A final report incorporating the comments was submitted to NMED for review in February 2005. NMED provided comments on the most recent version of the RFI report in July 2005. The comments were minor and a revised report was transmitted to NMED in September 2005. No additional activity is anticipated for this site.

2.7 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. Funding for field investigations are anticipated for FY 2006.

2.8 SWMU-123 POL Yard

A work plan to address the additional removal of PCS at the site without disturbing the foundation of the canopy was prepared, submitted to NMED and approved by NMED between August and September of this quarter. Thank you to all who made this quick turn-around on the plan. Excavation and treatment of PCS from the SWMU 123 was initiated in September 2005. Activities at the site will continue during Q4.

2.9 SS-57 Officer's Club

No change since the previous quarter.

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.

2.10 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.

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

The process has completed the final public notice during this quarter. It is anticipated that the process will be complete by Q4, 2005.

2.12 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 the IRA to HGL, Inc. under the new PBC program. After several 90-day extensions, HGL submitted a work plan to NMED for the Interim corrective actions in July 2005. The sites and work plan approach were discussed during the August progress meeting with NMED in Santa Fe. HGL initiated the geophysical surveys and soil gas surveys at these sites in September. NMED has not yet provided approval or comment on the work plan.

2.13 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 was requested 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.

2.14 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 was requested 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 (Fourth Quarter, October 1 to December 31, 2005) will include:

1. Continued operation of the FT-31 and T-38 PCS Landfarms.
2. Additional excavation and treatment of soil from SWMU 123.
3. Continuation of excavation and treatment of soil from Site SS-59 (T-38).
4. Groundwater Sampling and Analysis at FT-31.
5. Final Actions regarding Permit Modification and NFA for 7 sites.

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

Signature/Date

TABLES

TABLE 1
QUARTER 3, 2005 STATUS SUMMARY
(July to September 30, 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	Submitted Draft Final Report in February 2005 Received comments from NMED. Comments require additional groundwater sampling and perhaps characterization to the south and west of the SWMUs. Met with NMED to review comments on closure document.	Scheduled Groundwater sampling for October
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	Continue to remove PCS and backfill with flowable fill product
136	King 1 Bio Vent Site (ERP Site)	Corrective Action Complete	Placed on Basis for Determination (Permit Modification)	Awaiting final removal from permit by NMED.
139 & 140	Lake Holloman (139) Lake Stinky (140)	Corrective Action Complete	Placed on Basis for Determination (Permit Modification)	Awaiting final removal from permit by NMED.
141	Pad 9 Washrack ERP Site	Site Requires Additional Characterization	Work plan complete and approved by NMED in 2004. Air Combat Command Headquarters awarded the project to PBC contractor HGL, Inc.	Field work will be performed in FY06. Anticipate HGL to award the project to the onsite contractor (who prepared the work plan) Bhate Environmental.

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148 to 154	Holloman Sewage Lagoons	Corrective Action Complete	Placed site on Basis for Determination (Permit Modification) in November 2004. Routine inspection and maintenance to fences conducted in Q2 of 2005. Minor repairs as needed.	Routine inspection and maintenance in FY05. Post Closure care
229	T-38 Test Cell (ERP Site SS-59)	Undergoing Corrective Action	Removed approximately 12,000 cubic yards of petroleum contaminated soil were excavated from the site and placed in the landfarm for treatment. During 2005, approximately 24,000 cubic yards of PCS have been removed and treated at the site.	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 comments on RFI report from NMED on July 27, 2005. Prepared revised RFI report and submitted to NMED in September 2005.	Awaiting review of revised RFI report by NMED and NFA status.
AOC-Q	BX Service Station (ERP Site SS-17)	Undergoing Corrective Action	No activity this quarter. Removed and treated 8,000 yards in Q2. Awaiting additional funding in FY2006 to resume excavation and treatment of PCS.	Awaiting funding in FY2006 to resume additional treatment and excavation.
AOC-T	Main POL Spill (EPR Sites SS-02 and SS-05)	Undergoing Corrective Action	Received comments on additional groundwater characterization work plans in July, 2005. Revised work plans and resubmitted to NMED in September 2005. Awaiting FY 2006 funding.	Anticipate drilling additional groundwater monitoring wells in Q4, 2005 (December)
AOC-V	Officer's Club (EPR Site SS-57)	Undergoing Corrective Action	Submitted Draft Risk Assessment Report to NMED for review.	Awaiting comments from NMED on risk assessment.

TABLE 1
QUARTER 3, 2005 STATUS SUMMARY
(July 1 to September 30, 2005)
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HOLLOMAN AIR FORCE BASE, NEW MEXICO

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 met with NMED in August 2005 to discuss the work plan for these sites. NMED has not provided written comments on the work plan. HGL began the soil gas and geophysical efforts at the sites in September 2005.	HGL will continue to work without an approved work plan. Anticipate conducting groundwater monitoring at these sites in Q4, 2005.
AOC-1	Chemical Agent Site (ERP Site DP-64)	Undergoing Corrective Action	Submitted Report on Field investigation in July 2005. was completed in Late June 2004. Report preparation underway.	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	Received approval of Health and Safety plans for explosives from USACE EOD specialists. Began scheduling efforts to blade surface and excavate burn pits to remove UXO materials	Field work will be performed during Q4, 2005 (October and November 2005).
AOC-4	West POL Fuel Spill Site	Corrective Action Complete	Collected soil samples from beneath the concrete secondary containment to determine the extent of PCS beneath the tank farm. The location of PCS makes removal without damage to the tank farm impossible. Base will opt for a risk based approach for remaining constituents.	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.
AOC-1001	Building 1001 (ERP Site SS-61)	Undergoing Corrective Action	Received Request for additional sampling from NMED in February 2005. Submitted the following documents for NMED review in Q2 2005 Monitored Natural Attenuation Report for SS-61 (May 2005) Additional Groundwater Monitoring Work Plan for SS-61 (May 2005).	Awaiting comments from NMED on submitted work plan and MNA report. Additional funding requested in FY 2006 to perform the additional work.

**TABLE 1
 QUARTER 3, 2005 STATUS SUMMARY
 (July 1 to September 30, 2005)
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 HOLLOMAN AIR FORCE BASE, NEW MEXICO**

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 requested for FY 06.	Awaiting 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	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.	Awaiting Funding. Anticipate activity at these sites in FY06.