

HAFB 2003



DEPARTMENT OF THE AIR FORCE

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

20 FEB 2003

MEMORANDUM FOR NEW MEXICO ENVIRONMENT DEPARTMENT

Mr. Cornelius Amindyas
NMED-HWB
4131 Montgomery NE
Albuquerque, NM 87109



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

SUBJECT: Hazardous and Solid Waste Amendments (HSWA) Quarterly Report for Oct – Dec 2002, EPA ID NM6572124422

1. In accordance with Module IV, Section E, of the Holloman AFB HSWA permit, attached please find the Oct – Dec 2002 quarterly report.
2. If you have any questions, please contact Mr. Dan Holmquist at (505) 572-5395.

Handwritten signature of Deborah J. Hartel in black ink.
Deborah J. Hartel
Chief, Environmental Flight

Attachments:
HSWA Quarterly Report, Oct – Dec 2002

cc w/Atchs:
Mr. James P. Bearzi
NMED-HWB
P.O. Box 26110

Mr. Allen Chang
USEPA, Region 6 (6PD-N)
1445 Ross Ave, Ste 1200
Dallas TX 75202-2733

CERTIFIED MAIL NO. 7001 1940 0002 2179 4089
RETURN RECEIPT REQUESTED

Global Power for America

HOLLOMAN AIR FORCE BASE, NM

HAZARDOUS AND SOLID WASTE AMENDMENT

QUARTERLY REPORT

EPA ID NM6572124422

OCT - DEC 2002

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 (HSWA) of 1984, a permit has been issued to Holloman Air Force Base (HAFB or Holloman) to operate a hazardous waste disposal facility.

B. This Quarterly Report is consistent with the terms and conditions of Module IV of Holloman's Environmental Protection Agency (EPA) permit identification number NM6572124422. Module IV is also commonly referred to as the "HSWA permit" as its primary focus is requirements resulting from the HSWA.

II. SUMMARY OF FINDINGS

A. SWMUs 39, 127, 135, 170, 171 (ERP Site FT-31): The bio-venting system at the site, operational since Aug 96, was shut down in Jul 02. The site is divided into three sections: the North Area (an area containing SWMUs 39, 127 and 135), the South Area (SWMU 170) and the East Area (SWMU 171). SWMU 171 was given NFA status in Feb 01.

Excavation activities started at the site in the East area (SWMU 171) on 10 Oct 02. The Extent of contamination was reached and clearance sampling was completed on 2 Dec 02. Backfill of the East area was terminated due to lack of funding on 7 Dec 02. Approximately 2,542 tons of contaminated soil was transported off site for disposal. Further excavation activities in the north and south areas of the site are scheduled for the first and second quarter of 2003.

B. SWMU 123: A closure report, dated Apr 99, was submitted to NMED for review and recommended NFA. The NMED's Hazardous Waste Bureau (HWB) reviewed the report and submitted a Notice of Deficiency (NOD) dated 17 Aug 01. Holloman submitted a letter work plan for the site to NMED during the third quarter of 2002. The work plan address's all issues identified in the NMED NOD. Activities addressed in the work plan are scheduled for execution in 2003.

C. SWMU 133 (ERP Site SD-47): The bio-venting system at this site has remediated the soil to NMED soil cleanup levels. The system was shut down in Jan 98 and a NFA proposal submitted to NMED. Final NFA approval was granted by NMED on 6 Feb 01. Decommissioning of the site's remedial system is scheduled for 2003.

D. SWMU 136: A bio-venting system, put into operation in Apr 97, was removed from the site in Sep 99 so that existing contaminated soil could be excavated. The excavation was part of a removal action to accelerate site cleanup. Excavation activity was completed in Dec 99. A draft closure report was completed in Feb 00 that included excavation activities at SWMU 39, 127, 135 (site FT-31 North Area) and SWMU 136. NMED had some comments and requested some additional work. This work is scheduled to take place in 2003.

E. SWMUs 139 and 140: In an NMED-HWB letter dated 30 Aug 00, Holloman received notice of an approval of NFA at Lake Holloman (SWMU 139) and Lake Stinky (SWMU 140). The decision for NFA was based on NMED's review of the HAFB Jun 97 document *Final Characterization Summary and No Further Action (NFA) Documentation: SWMUs 139 (Lake Holloman and the Ditch) and 140 (Lake Stinky)*, and the 1996 "*Draft Final Risk Assessment Addendum for the Sewage Lagoons Closure*

Project". A Class 3 permit modification will be submitted at the end of 2003 to remove the units from Table A.1.

F. SWMUs 148-154 (ERP Site WP-49): The former sewage lagoons have been out of service since 1996. Construction activities associated with the closure began in the fall of 1996. Construction activities were completed in Dec 97. Final activity, including re-vegetation, fence repairs and deed notification preparation and filing were completed during the second half of 1998. The closure report was submitted to NMED in Jul 99 and the 1999 long-term groundwater monitoring (LTM) program report was submitted in Jan 00. The lagoons were inspected by the state in early 2000 to determine compliance with the closure requirements. NMED approved final closure of the lagoons in a 30 Jun 00 letter including the 1999 LTM report recommending ceasing groundwater LTM.

Holloman is working with the EPA Region VI office to finalize closure of the 1988 Federal Facility Compliance Agreement and transfer any remaining requirements into the base's RCRA Part B permit. However, due to higher priorities, the Region VI office recommended that Holloman AFB provide a list of FFCA requirements and resolutions to verify their completions. Holloman will continue to work with the Region VI office to close out the FFCA.

G. SWMU 229 (ERP Site SS-59): The T-38 Test Cell site, i.e., SWMU 229, uses a high vacuum dual phase extraction (HVDPE) remedial system. The system removes both subsurface vapor and liquid phases of the contaminant. The primary contaminant at the site is JP-4 jet fuel.

The system was shut down in June, 2002 and has remained down throughout the reporting period. A work plan to excavate the remaining contaminated soil at the site and remove free product during excavation activities will be prepared during the third quarter of 2003. Excavation activities are currently scheduled to begin during the fourth quarter of 2003. Excavation will be conducted incrementally over the next three years as funding permits.

I. AOC-T (ERP Site SS-02/05): The soil vapor extraction (SVE) system at AOC-T, the POL Spill Sites, was shut down in Jul 02. Additional soil samples were obtained in mid Jul 02 to support further closure activity at the site. A work plan to excavate the remaining contaminated soil at the site and remove free product during excavation activities will be prepared during the second quarter of 2003. Excavation activities are currently scheduled to begin during the fourth quarter of 2003

J. AOC-Q (ERP Site SS-17): An SVE system, installed in Sep 95, was shut down in Jul 02. The system is designed to remove gasoline vapors from the vadose zone proximal to the base service station. The system is comprised of 16 soil vapor recovery trenches, 24 pressure/vapor monitoring probes and a TOU. Three additional groundwater depression trenches were previously used in conjunction with the SVE to lower the groundwater table in the site's vicinity. A new work plan to excavate the remaining contaminated soil at the site was completed in Oct 03. Excavation activities are currently scheduled to begin during the second quarter of 2003.

K. AOC-V (ERP Site SS-57): The remedial system at AOC-V consists of an air sparge/SVE system and has been operational since Nov 96. The system is designed to remove contaminant in the vapor phase from the vadose zone and liquid phase contaminant from the saturated zone. The system was shut down in Jul 02. Additional soil samples were obtained in mid Jul 02 to support further closure activity at the site. A risk assessment has been conducted for this site and a draft copy will be submitted for review in Mar 03. Closure documentation will be prepared for the site in early 2003.

L. AOC-1 (DP-64), Chemical Agent Site: One ampoule of Mustard Agent and one ampoule of dilute Lewisite were discovered in Mar 00 just north of the former Main Base Landfill. These ampoules were believed to be part of a chemical agent identification sets (CAISs). The CAIS's were used from the early 1930's through the late 1950's to assist military personnel in identifying chemical agents. Mustard agent was used as a blistering agent and lewisite was used as a choking agent.

A Safety Submission Plan or work plan is currently being prepared for the site and is expected to be finalized during the third quarter of 2003. A remedial action is scheduled for 2004 at the site. Remedial action activities will be conducted in accordance with the Safety Submission Plan.

M. AOC -3 (DP-63), Ammunition Disposal Pit: A PA/SI was conducted at DP-63 in March and April 2000. During the PA/SI, a geophysical survey was performed to evaluate the location and extent of abandoned ammunition disposal pits in the area and determine whether past releases at the site had impacted soil and groundwater. A remedial investigation (RI) was completed in Sep 02. The Draft report is currently in review by Holloman and ACOE.

N. AOC-4, West POL Fuel Spill Site: The area is an active facility that serves as a fueling center for tanker trucks that service aircraft in the west area of the Base. In Jul 99, West POL Yard facility personnel noted that the leak-detection system installed at the site indicated a leak in a subsurface line located on the east side of the fueling area. In 1999, direct-push technology (DPT) was used to collect soil samples at 30 locations and evaluate the extent of soil contamination and free-phase product.

Construction activities to include removal of the concrete loading area and excavation started on 2 Dec 02. Clearance samples were completed on 18 Dec 02. Back fill of the site with the exception of the area under the loading pad was completed on 30 Dec 02. Final Backfill, compaction and concrete pour is scheduled for completion in Jan 03. Approximately 800 cubic yards of contaminated soil remain on site in bermed areas. This soil is scheduled for disposal in the first Quarter of 2003.

IV. 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

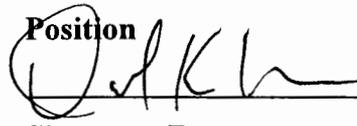
Name

49 CES/CEVR

Organization

Remedial Project Manager

Position

 2/20/03

Signature/Date