



Via Federal Express

9 February 2007

Mr. John E. Kieling
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State of New Mexico Environment Department
Hazardous Waste Bureau
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Santa Fe, New Mexico 87505-6303

RE: *Supplemental RCRA Facility Investigation Report, LF-19 (SWMU 105), LF-21 (SWMU 116), LF-22 (SWMU 115), and LF-23 (SWMU 108) Request for No Further Action, OT-44 (AOC-P) Holloman Air Force Base, New Mexico EPA ID# NM6572124422*

Dear Mr. Kieling:

Per the direction of and on behalf of Holloman Air Force Base, HGL is pleased to submit the above-referenced reports for New Mexico Environment Department review. Please contact me at (703) 736-4563 or via e-mail at kcottrell@hgl.com should you require additional copies of these reports.

Sincerely,



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Enclosures

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**REQUEST FOR NO FURTHER ACTION
OT-44 (AOC-P)**

**HOLLOMAN AIR FORCE BASE
ALAMOGORDO, NEW MEXICO**

Prepared for

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LIST OF ACRONYMS AND ABBREVIATIONS

AFB	Air Force Base
ACC	Air Combat Command
AFCEE	Air Force Center for Environmental Excellence
AMC	Air Materiel Command
AOC	Area of Concern
bgs	below ground surface
BN/AE	base, neutral, and acid extractables
BRA	Baseline Risk Assessment
BTEX	benzene, toluene, ethylbenzene, and total xylenes
DRO	diesel-range organics
EPA	Environmental Protection Agency
ERP	Environmental Restoration Program
GRO	gasoline-range organics
HGL	HydroGeoLogic, Inc.
IRP	Installation Restoration Program
LTM	long term monitoring
$\mu\text{g/L}$	micrograms per liter
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
NFA	no further action
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
NMGWQ	New Mexico Groundwater Quality
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RI	Remedial Investigation
SSL	soil screening level

LIST OF ACRONYMS AND ABBREVIATIONS (continued)

TCE	trichloroethene
TDS	total dissolved solids
TOC	total organic carbon
TOX	total organic halogens
TPH	total petroleum hydrocarbon
TRPH	total recoverable petroleum hydrocarbons
UST	underground storage tank
VOA	volatile organic analytes
VOC	volatile organic compounds
yd ³	cubic yards

**REQUEST FOR NO FURTHER ACTION
OT-44 (AOC-P)
HOLLOMAN AIR FORCE BASE, NEW MEXICO**

1.0 INTRODUCTION

This Request for No Further Action (NFA) was prepared by HydroGeoLogic, Inc. (HGL) on behalf of Holloman Air Force Base (AFB) for New Mexico Environment Department (NMED) under contract to the Air Force Center for Environmental Excellence (AFCEE), Contract No. F41624-03-D-8602, Task Order 037. This request specifically addresses Environmental Restoration Program (ERP) site OT-44 (Area of Concern [AOC] P, Building 301 Fuel Tank Leaks).

1.1 BACKGROUND

1.1.1 Installation Location

Holloman AFB is situated in south central New Mexico, in Otero County. A facility location map is provided as Figure 1.1. Holloman AFB has a population of 6,000 and occupies approximately 50,000 acres of the northeast quarter of Section 1 Township 17 South, Range 8 East. A facility layout map of Holloman AFB is provided as Figure 1.2.

Holloman AFB is surrounded by undeveloped rangeland. The White Sands Missile Range testing facilities occupies the land north of the Base. Private and public owned land borders the remainder of Holloman AFB. The major highway servicing Holloman AFB is Highway 70, which runs southwest from the town of Alamogordo, New Mexico and separates Holloman AFB from the publicly owned lands to the south. Alamogordo is the county seat for Otero County, and the only town of appreciable size within 30 to 50 miles of the Base. The population of Alamogordo was 23,535 in 1975, and has since grown to about 31,000. The economy of Alamogordo depends largely upon Holloman AFB and other military installations in the area. Alamogordo is located approximately seven miles east of the Base.

1.1.2 Installation History

Holloman AFB, formerly Alamogordo Army Airfield, began as a temporary facility during World War II. Construction of the temporary airfield was initiated on 6 February 1942. Prior to 1942 the property occupied by Holloman AFB was undeveloped rangeland. Over time, Holloman AFB's status, mission, and Command have periodically changed. Currently, Holloman AFB is operated under the Air Combat Command (ACC).

The Alamogordo Army Airfield was established in 1942 and was deactivated in 1945. The facility was reactivated in 1945 and was operated by the Air Materiel Command (AMC) until 1951. AMC tested pilot-less aircraft, guided missiles, and other equipment. The facility

mission remained largely unchanged until 1971, although the facility identification changed several times during the 20-year span: Air Force Missile Test Center (1951-1952), Holloman Air Development Center (1952-1957), and Air Force Missile Development Center (1957-1971). The Tactical Air Command operated the facility from 1972 to 1992 and housed the 49th Tactical Fighter Wing, 479th Tactical Training Wing, 833rd Air Division, and 4449th Mobile Support Squadron. In 1992, Holloman AFB was realigned under ACC.

FIGURES