

FORT HUNTER LIGGETT

Army Defense Environmental Restoration Program

Installation Action Plan

Printed 30 August 2013

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Statement of Purpose

The purpose of the Installation Action Plan (IAP) is to outline the total multiyear cleanup program for an installation. The plan identifies environmental cleanup requirements at each site or area of concern (AOC), and proposes a comprehensive, installation-wide approach, along with the costs and schedules associated with conducting investigations and taking the necessary remedial actions (RA).

In an effort to coordinate planning information between the restoration manager, the Installation Management Command (IMCOM), the US Army Environmental Command (USAEC), Fort Hunter Liggett (FHL), the executing agencies, regulatory agencies, and the public, an IAP was completed. The IAP is used to track requirements, schedules, and budgets for all major Army installation cleanup programs.

All site-specific funding and schedule information has been prepared according to projected overall Army funding levels and is, therefore, subject to change.

Acronyms

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	Active and Inactive
AEDB-CC	Army Environmental Database - Compliance-Related Cleanup
AEDB-R	Army Environmental Database-Restoration
AOC	
	Aboveground Storage Tank
	Benzene, Toluene, Ethylbenzene, and Xylene
	California Environmental Protection Agency
-	Corrective Action Plan
	Compliance-Related Cleanup
	California Data Exchange Center
	Corrective Measures Study
	Compliance Restoration
	California Regional Water Quality Control Board
	Confirmatory Sampling
	Combat Support Training Center
CTT	Closed, Transferring and Transferred
CWA	Clean Water Act
су	cubic yard
DCE	Dichloroethylene
DD	
DERP	Defense Environmental Restoration Program
DMM	Discarded Military Munitions
DOL	Directorate of Logistics
DTSC	Department of Toxic Substances Control
DZ	Drop Zone
ECS	Equipment Concentration Site
ER,A	Environmental Restoration, Army
FHL	Fort Hunter Liggett
FRA	Final Remedial Action
FS	Feasibility Study
FUDS	Formerly Used Defense Site
FY	Fiscal Year
HLMR	Hunter Liggett Military Reservation
IAP	Installation Action Plan
IMCOM	Installation Management Command
IMP(C)	Implementation (Construction)
INV	Investigation
IR	Installation Restoration
ISC	Initial Site Characterization
К	thousand
LTM	Long-Term Management
MFR	Memorandum for Record
MMRP	Military Munitions Response Program
MNA	Monitored Natural Attenuation

MRS Military Response Site

Acronyms

- MRSPP Munitions Response Site Prioritization Protocol
- MTBE Methyl Tert Butyl Ester
- NFA No Further Action
- NOV Notice of Violation
- NPL National Priorities List
- ODUSD(I&E) Office of the Deputy Under Secretary of Defense for Installations and Environment
 - PA Preliminary Assessment
 - PAO Public Affairs Office
 - PBA Performance-Based Acquisition
 - POC Point of Contact
 - POL Petroleum, Oil, and Lubricants
 - ppb parts per billion
 - ppm parts per million
 - PX Post Exchange
 - RA Remedial Action
 - RA(C) Remedial Action (Construction)
 - RA(O) Remedial Action (Operation)
 - RAB Restoration Advisory Board
 - RC Response Complete
 - RCRA Resource Conservation and Recovery Act
 - RD Remedial Design
 - RFA RCRA Facility Assessment
 - RFI RCRA Facility Investigation
 - RI Remedial Investigation
 - RIP Remedy-in-Place
 - ROD Record of Decision
 - RRC Regional Readiness Command
 - RRSE Relative Risk Site Evaluation
 - RSC Regional Support Command
 - RTC Regional Training Center
 - SI Site Inspection
 - SVE Soil Vapor Extraction
 - SWMU Solid Waste Management Unit
 - TAPP Technical Assistance for Public Participation
 - TBD To Be Determined
 - TCE Trichlorothylene
 - TD Transferred
 - TMP Troop Motor Pool
 - TPH Total Petroleum Hydrocarbon
 - TPH-g Total Petroleum Hydrocarbons as Gasoline
 - TRC Technical Review Committee
 - TS Training Support
 - TSD Treatment, Storage and Disposal
 - TTB Tactical Training Base
 - TTC Technical Training Command

Acronyms

- ug/L micrograms per liter
 - US United States
- USACE US Army Corps of Engineers
- USACE US Army Environmental Command
- USAR US Army Reserve
- USARC US Army Reserve Command
- USATHAMA US Army Toxic and Hazardous Materials Agency
 - USEPA US Environmental Protection Agency
 - UST Underground Storage Tank
 - VOC Volatile Organic Compound

Acronym Translation Table

CERCLA

Preliminary Assessment(PA) Site Inspection(SI) Remedial Investigation/Feasibility Study(RI/FS) Remedial Design(RD) Remedial Action (Construction)(RA(C)) Remedial Action (Operation)(RA(O)) Long Term Management(LTM) Interim Remedial Action(IRA)

<u>RCRA</u>

- = RCRA Facility Assessment(RFA)
- = Confirmation Sampling(CS)
- = RCRA Facility Investigation/Corrective Measures Study(RFI/CMS)
- = Design(DES)
- = Corrective Measures Implementation (Construction)(CMI(C))
- = Corrective Measures Implementation (Operation)(CMI(O))
- = Long Term Management(LTM)
- = Interim Measure(IM)

Installation Information

Installation Locale

Installation Size (Acreage): 161900 City: Jolon County: Monterey State: California

Other Locale Information

This installation encompasses an area of approximately 161,900 acres located in central California, about 150 miles south of San Francisco, 25 miles southwest of King City and about 86 miles south of Fort Ord, California within the southwestern portion of Monterey County. The installation is situated in the Nacimiento and San Antonio Valleys. It is bounded on the east by the Santa Lucia Range and on the north, south and west by Los Padres National Forest. Adjacent civilian communities include Jolon and Lockwood. The facility is bisected by a government-owned, public-use highway which connects Jolon to Highway 1 along the Pacific coast. The main garrison and support facilities are located on the east side and the artillery ranges are on the west side of the base.

The installation is an active training facility for the US Army Reserve Command (USARC), used principally for training. The installation is the principal training area in the western United States for the Army Reserve and is used for training by all military services. Facility users include the National Guard, the US Coast Guard, the US Navy, the US Air Force, the US Marine Corps, and the US Forest Service.

In 1940, in anticipation of training Soldiers for combat on World War II European fronts, the War Department purchased more than 200,000 acres of local ranch lands between the Salinas River valley divide and the Pacific Ocean. Terrain varying from level valleys bordered by gentle hills to steep, rugged mountains has since provided opportunities for real world training and defense technology testing.

In 1941 FHL was established as Hunter-Liggett Military Reservation (HLMR). The Military Reservation was especially active in training combat, maneuver, and artillery troops during World War II and the Korean War. In 1952 HLMR became a sub installation of Fort Ord. In 1956 the installation mission was modified to include a field laboratory site for specialized experimental weapons training. In 1975 HLMR was renamed FHL Military Reservation and in 1993 it came under USARC and was made a sub installation of Fort McCoy, and was operated primarily as an USARC Western Reserve Training Center.

The US Army Combat Support Training Center (CSTC) was established October 2005, as the Army's newest training center dedicated to providing premier training sites for combat support and combat service support units.

At present, the installation encompasses approximately 161,900 acres and provides a vast array of training ranges and other facilities year-round for the US Army Reserve (USAR), and training opportunities for other branches of the US military and government agencies. The installation includes more than 150,000 acres of training area, an airfield capable of handling C-17 aircraft, more than 20 drop zones (DZ), widely varied terrain, convoy live-fire areas, tactical training bases (TTB), firing ranges servicing up to Tank Table 12, training classrooms, barracks, dining facilities, and other billeting.

The installation is also home to the Regional Training Center (RTC) West; HQ 91st Training Division; the 31st Seabee Readiness Group; the 3-356th Logistical Support Battalion, 3rd Brigade, 91st Division (TS); the 80th Training Command [Technical Training Command (TTC)]; an Equipment Concentration Site (ECS) 170, 63rd Regional Readiness Command (RRC); and the RTC West.

Installation Mission

The mission of FHL is to maintain and allocate training areas.

Lead Organization

US Army Reserve

Installation Information

Lead Executing Agencies for Installation

US Army Corps of Engineers (USACE), Sacramento District

Regulator Participation

State	California Regional Water Quality Control Board (CRWQCB) Central Coast Region
Local	Monterey Bay Unified Air Pollution Control District
	Monterey County Department of Health

National Priorities List (NPL) Status

FORT HUNTER LIGGETT is not on the NPL

Installation Restoration Advisory Board (RAB)/Technical Review Committee (TRC)/Technical Assistance for Public Participation (TAPP) Status

The community has expressed no sufficient, sustained interest in a RAB.

Installation Program Summaries

IRP

Primary Contaminants of Concern: Petroleum, Oil and Lubricants (POL), Volatiles (VOC)

Affected Media of Concern: Groundwater, Soil

CR

Primary Contaminants of Concern: Other (Free-product, Benzene)

Affected Media of Concern: Groundwater, Soil



No 5-Year / Periodic Reviews have been scheduled

Installation Historic Activity

FHL comprises approximately 161,900 acres in the coastal mountains of Monterey County, California. It occupies property that was purchased by the United States government in 1941 in conjunction with land that is part of the Los Padres National Forest.

In 1941 FHL was established as HLMR. The military reservation was active in training combat, maneuver, and artillery troops especially during World War II and later during the Korean War. In 1952 HLMR became a sub installation of Fort Ord. In 1956 the installation became the field laboratory site for specialized experimental weapons training. In 1975 HLMR was renamed Fort Hunter Liggett Military Reservation. In 1993 HLMR came under USARC and was made a sub installation of Fort McCoy, and was operated primarily as an USARC Western Reserve Training Center. Today, FHL falls under the 63rd Reserve Support Command (RSC).

The US Army CSTC was established October 2005, and is the Army's newest training center dedicated to providing premier training sites for Combat Support and Combat Service Support units.

Installation Program Cleanup Progress

Prior Year Progress:	Groundwater long-term management (LTM) continued at FTHE-01. Remedial action (operation) RA(O) continued at FTHE-28. Final characterization work was completed at FTHE-28 to support the remedial design.
Future Plan of Action:	Landfill compliance monitoring at FTHE-01 will continue as required under state regulations to include sampling and analysis of groundwater and landfill gas monitoring. The closure plan also requires semiannual inspections and a settlement analysis every five years. The RA(O) at FTHE-28 will continue until cleanup levels have been met. Quarterly groundwater sampling will continue as part of the remediation enhanced natural attenuation process at FTHE-28.
Prior Year Progress:	The remedial design for the source removal action was completed. Site preparation is underway for the planned excavation and remediation.
Future Plan of Action:	Excavation of the primary source will be completed in 2013. Landfarming of the excavated soils and monitored natural attenuation will follow. It is anticipated that a new State Water Resources Control Board policy, the "Low Threat Site Closure" policy, will be used to close Building 258 after source removal and post-excavation groundwater monitoring.

FORT HUNTER LIGGETT

Army Defense Environmental Restoration Program Installation Restoration Program

IRP Summary

Installation Total Army Environmental Database-Restoration (AEDB-R) Sites/Closeout Sites Count: 34/32

Installation Site Types with Future and/or Underway Phases

Contaminated Ground Water

(FTHE-28) 1

1

Landfill

(FTHE-01)

Most Widespread Contaminants of Concern

Petroleum, Oil and Lubricants (POL), Volatiles (VOC)

Media of Concern

Groundwater, Soil

Completed R Site ID	emedial Actions (Interim Reme Site Name	dial Action	ns/ Final Remedial Actions (IRA/FRA)) Remedy	FY
FTHE-19	FORMER UST SITE(FORMER DOL MP/FACILITY95	FRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1991
FTHE-29	EXP 52/57 FORMER UST SITE	EIRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1991
FTHE-28	BLDG 194 - OLD POL FACILITY	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1992
FTHE-27B	FORMER CDEC 8J WASTE OIL TANK SITE	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1993
FTHE-02	BATTERY ACID NEUTRALIZATION PIT(BLDG290)	IRA	WASTE REMOVAL - SOILS	1994
FTHE-03	FIRE DRILL PIT #1 (EXISTING BURN PIT)	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994
FTHE-25	BLDG 290 WASTE OIL SUMP	IRA	WASTE REMOVAL - SOILS	1994
FTHE-25	BLDG 290 WASTE OIL SUMP	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994
FTHE-29	EXP 52/57 FORMER UST SITE	EIRA	GROUND WATER TREATMENT	1994
FTHE-28	BLDG 194 - OLD POL FACILITY	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1995
FTHE-29	EXP 52/57 FORMER UST SITE	EIRA	WASTE REMOVAL - SOILS	1995
FTHE-25	BLDG 290 WASTE OIL SUMP	FRA	BIOREMEDIATION	1996
FTHE-02	BATTERY ACID NEUTRALIZATION PIT(BLDG290)	IRA	REMOVAL	1997
FTHE-28	BLDG 194 - OLD POL FACILITY	IRA	WASTE REMOVAL - SOILS	1997
FTHE-30	AMMUNITION CRATE BURN	FRA	WASTE REMOVAL - SOILS	1997
FTHE-32	MILLER RANCH CONTAMINATED SOIL PILES	FRA	WASTE REMOVAL - SOILS	1998
FTHE-34	FORMER WV MAINTEN HAZ ACCUM AREA (B-259)	IRA	WASTE REMOVAL - SOILS	1999
FTHE-39	MILLER RANCH EVAP. POND & SUMP	IRA	OTHER	1999
FTHE-03	FIRE DRILL PIT #1 (EXISTING BURN PIT)	IRA	OTHER	2000
FTHE-16	FORMER PESTICIDE STORAGE (BLDG. T-157)	IRA	WASTE REMOVAL - SOILS	2000
FTHE-20	BLDG 290 FORMER HAZ WASTE STORAGE AREA	IRA	OTHER	2000

IRP Summary

-	-	dial Actior	is/ Final Remedial Actions (IRA/FRA)) Remedy	FY
Site ID	Site Name	Action	Kellieuy	FI
FTHE-24	FIRE DRILL PIT #2 (ABANDONED BURN PIT)	FRA	OTHER	2000
FTHE-26	BLDG 122 - OLD PX FACILITY (FORMER USTS)	FRA	OTHER	2000
FTHE-27B	FORMER CDEC 8J WASTE OIL TANK SITE	FRA	OTHER	2000
FTHE-28	BLDG 194 - OLD POL FACILITY	IRA	BIOREMEDIATION - IN SITU GROUNDWATER	2000
FTHE-29	EXP 52/57 FORMER UST SITE	EFRA	OTHER	2000
FTHE-01	LANDFILL #1	FRA	NATURAL ATTENUATION	2002
FTHE-01	LANDFILL #1	IRA	CAPPING	2002
FTHE-16	FORMER PESTICIDE STORAGE (BLDG. T-157)	FRA	REMOVAL	2002
FTHE-28	BLDG 194 - OLD POL FACILITY	FRA	BIOREMEDIATION - IN SITU GROUNDWATER	2002
Duration of IRP				
Date of IRP I	nception: 198312			

Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC):200212/201509Date of IRP completion including Long Term Management (LTM):204309

Contamination Assessment Overview

In 1982 FHL received a Resource Conservation and Recovery Act (RCRA) interim status permit which listed solid waste management units [(SWMU): Battery Acid Neutralization Pit Building 290 (FTHE-02), the Fire Drill Pits (FTHE-03 and FTHE-24)], Explosive Ordnance Disposal Ranges (FTHE-07,08,09,10), the Vehicle Service Area (FTHE-27), etc) as interim status storage areas. In 1990 a RCRA closure and post closure plan was developed by FHL to revoke the interim status permit and it was submitted to the Department of Toxic Substances Control (DTSC) Region 2 (permitting).

In 1983, the Installation Restoration Program (IRP) was initiated at FHL when the US Army Toxic and Hazardous Material Agency (USATHAMA) completed an installation assessment report.

Since 1983 FHL has identified sites to be included in the Army Environmental Database - Restoration (AEDB-R). These sites include former underground storage tank (UST) sites, former hazardous waste accumulation areas, spill areas, former waste treatment plants, former fire training burn areas, a battery acid neutralization pit, a landfill, and firing ranges.

In 1985 the USACE, Sacramento District, conducted an investigation of two fire drill pits at FHL. This investigation prompted two updates to the initial installation assessment in 1986 and 1987. The updated reports identified the sanitary landfill (FTHE-01), a Seepage Pit at Building 290 (FTHE-25), and two Fire Drill Pits (FTHE-3 and FTHE24) for further response. In 1988 the USACE, Omaha District, conducted an investigation at the Building 290 Seepage Pit (FTHE-25) and nearby Building 290 Battery Acid Neutralization Pit (FTHE-02), the Vehicle Service Area (FTHE-27), and the two Fire Drill Pits (FTHE-03 and FTHE-24). The resulting report (Environmental Assessment, 1990) recommended that further actions needed to be conducted at all of these sites which lead to further remedial investigations (RIs) and feasibility studies (FSs).

In 1986, in response to California requirements for landfill closure, the USACE, Sacramento District, began several surveys, groundwater monitoring, and a design for capping the sanitary landfill (FTHE-01). In 1994 groundwater monitoring indicated that there had not been any release of hazardous constituents from the landfill to the groundwater. In 1995 FHL received a notice of violation (NOV) which required the improvement of the groundwater monitoring program by installing additional downgradient wells. In March 1996 seven additional monitoring wells were installed and monitoring began. Since the second quarter of 1996, trichloroethylene (TCE) above drinking water levels has been detected in groundwater downgradient of the landfill; however, TCE concentrations have shown a historical decline. In April 1999 a FS addressing groundwater contamination at the landfill was submitted to the CRWQCB and approved in November. In December 2000, the preferred remedy (enhanced natural attenuation) was implemented at the landfill.

In 1989, an investigation was initiated by USACE for additional sites: the old Post Exchange (PX) Facility (FTHE-26), a former UST site at Building 176 Directorate of Logistics (DOL) Troop Motor Pool (TMP) Facility, FTHE-19), the Old POL Facility at Building 194, and a former UST site at the Miller Ranch Building T-624. The resulting report (JMM,1991) recommended further action necessary at the old POL facility at Building 194 (FTHE-28) and the former UST site at Building 176. In a letter from DTSC, dated Aug. 19, 1996, no further RA for soil was required for the old PX facility (FTHE-26). In June 1999 the CRWQCB required further investigation to delineate the extent of groundwater contamination.

In 1992, an RI/FS was initiated by the USACE, Sacramento District for the two fire drill pits (FTHE-03 and FTHE-24), the Building 194-Old POL Facility (FTHE-28) and a petroleum release at Building EXP 52/57 (FTHE-29). Additional investigations were performed at these sites, and in letters to FHL DTSC accepted recommendations for no further action (NFA) at FTHE-03 (Sept. 16, 1998), FTHE-24 (June 10, 1998), and FTHE-29 (Dec. 16, 1997).

In 1993, the US Environmental Protection Agency (USEPA) conducted a preliminary review and visual site inspection (SI) for preparation of a RCRA facility assessment (RFA). The final RFA (SAIC, March 1994) identified 101 SWMUs and 21 as AOCs at FHL. One of the units identified was a former Pesticide Mixing Area (FTHE-16). In 1995 FHL submitted a revised RCRA closure plan (drafted in 1990). In 1996 the RCRA closure plan was reduced to three sites and approved by DTSC. FHL has completed the cleanup activities at these three sites and received a final certification from the DTSC in October 1998.

In 1993, the USACE, Sacramento District also began investigation of the Ammunition Crate Burn Area (FTHE-30), Former Sewage Treatment Plant (FTHE-17) and Former Evaporation Ponds at Miller Ranch (FTHE-39). In a letter to FHL dated June 22, 1998, the California Environmental Protection Agency (CAL EPA) DTSC accepted the recommendation for NFA at FTHE-30 and, in a letter dated Oct. 15, 1998, for FTHE-17.

In September 1995, FHL received an notice of violation (NOV) from the CRWQCB for not submitting documents for a landfill cap and for lack of progress made on the existing Fire Drill Burn Pit (FTHE-03) RA and an enforcement order was received from the

Contamination Assessment Overview

CAL EPA DTSC Region 2 (permitting) for improper closure of the existing Fire Drill Burn Pit and the California Data Exchange Center (CDEC) Site 8J (UST). The installation submitted the information requested and full compliance was achieved.

In December 1996, FHL received an NOV for not providing a schedule to achieve compliance with California Code of Regulations Title 23, Division 3, Chapter 15, Article 5 (Monitoring and Response program requirements). The NOV required a schedule identifying specific steps for initiating and completing final landfill closure construction and a schedule for submitting a corrective action plan (CAP) addressing groundwater contamination beneath Building 194. After FHL issued a response and a follow-up meeting was conducted a schedule was developed and agreed upon by all agencies involved.

The FHL Landfill No. 1 consists of 40 acres containing 14 unlined cells without leachate collection and removal systems. Mission Creek Road is northeast of the site and the San Antonio River lies to the southwest. From 1956 to June 1987 the landfill was operated as a nonhazardous disposal facility. Fill material probably includes residential refuse, commercial solid waste, and construction/demolition waste. On June 30,1987 the site reached its solid waste capacity of approximately 367,000 cubic yards (cy), and waste disposal operations ceased. The site was closed by capping as a class III landfill with an ongoing monitoring program per the state of California regulations. The closed landfill is regulated under state landfill closure requirements and Order No. R3-2004-0006 "General Waste Discharge Requirements for Post-Closure Maintenance of Closed, Abandoned, or Inactive Non hazardous Landfills Within the Central Coast Region," dated Feb. 6, 2004, issued by the CRWQCB Central Coast Region. Landfill monitoring will continue as required under state regulations to include sampling and analysis of groundwater and landfill gas monitoring. The closure plan also requires semiannual inspections and a settlement analysis every five years.

Former site FTHE-19 has been combined with FTHE-28 because the groundwater plumes from both sites are commingled. Site FTHE-28, located east of the former DOL motor pool, originally consisted of two USTs and one aboveground storage tank (AST). FTHE-19 was a waste oil UST. All tanks were removed by 2004. Sampling has detected benzene, toluene, ethylbenzene, and xylene (BTEX) in the soil and in the groundwater. Additional characterization work was initiated in fiscal year (FY)09 to optimize understanding of the hydrogeologic environment at the site. In FY10, additional final characterization was completed to support the final remedial design. A remedial design (RD) has been developed and the RA is planned for FY11.

FTHE-01 - Landfill No. 1 began the LTM phase in 2002. Semiannual groundwater monitoring of 17 wells, methane monitoring, and annual inspections will continue as required under state landfill closure requirements as long as waste is left in place.

The RA(O) at FTHE-28 started in 2002 and will continue until cleanup levels have been met in 2015. Quarterly groundwater sampling will continue as part of the remediation enhanced natural attenuation process at FTHE-28.

Cleanup Exit Strategy

Annual inspections of the cap at Landfill No. 1 (FTHE-01) plus groundwater and landfill gas monitoring will continue.

Groundwater monitoring will continue at the Building 194 POL Facility (FTHE-28) through FY15. A new SWRCB policy, the "Low Threat Site Closure", is expected to be used to close the site.

	Title	Author	Date
1986			
	Quality Assurance/Quality Control Plan, Hydrogeologic Investigations, Fort Hunter Liggett, California, HLA Job No. 7579,120.02, Final	Harding Lawson Associates	NOV-1986
4007	Solid Waste Assessment Test Proposal, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California, HLA Job No. 7579,122.02, Final	Harding Lawson Associates	DEC-1986
1987		1	
	Safety, Health, and Emergency Response Plan (SHERP), Fort Hunter Liggett, California, HLA Job No. 7579,125.02, Final	Harding Lawson Associates	MAY-1987
	Grading Recommendations, Fort Hunter Liggett Sanitary Landfill, Fort Hunter Liggett, California, HLA Job No. 7579,161.02 & 87-3161.02 Final	Harding Lawson Associates	JUN-1987
	Monitoring Plan, Solid Waste Air Quality Assessment Test, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California, HLA Job No. 7579,137.02 Final	Harding Lawson Associates	OCT-1987
1988		·	1
	Solid Waste Assessment Test, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California, Volumes I and II, HLA Job No. 7579,135.02 Final	Harding Lawson Associates	JUN-1988
1989			
	Report of Waste Discharge - Closure and Postclosure Maintenance Plan, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California, HLA Job No. 07579,286.02 Final	Harding Lawson Associates	OCT-1989
1990	1 1110		
	Revised Part A Application, Fort Hunter Liggett Hazardous Waste Part A Permit Withdrawal, Fort Hunter Liggett, California, HLA Job No. 7579,316.02 Final	Harding Lawson Associates	JAN-1990
	Operating Record Procedures, Central Hazardous Waste Accumulation Facility, Fort Hunter Liggett, California, HLA Job No. 7579,317.02, Final	Harding Lawson Associates	FEB-1990
	Waste Analysis Plan, Central Hazardous Waste Accumulation Facility, Fort Hunter Liggett, California, HLA Job No. 7579,320.02 Final	Harding Lawson Associates	FEB-1990
	Closure and Postclosure Plan, Fort Hunter Liggett, California, HLA Job No. 7579,318.02, Final	Harding Lawson Associates	FEB-1990
	Subsurface Record, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California, HLA Job No. 7579,160.02 Final	Harding Lawson Associates	MAR-1990
	Quarterly Report - September 1989, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California, HLA Job No. 7579,282.02 Final	Harding Lawson Associates	MAY-1990
	Amended Report of Disposal Site Information, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California, HLA Job No. 7579,159.02	Harding Lawson Associates	MAY-1990
	Quarterly Report - June 1989, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California, HLA Job No. 7579,281.02	Harding Lawson Associates	MAY-1990
	First Quarterly Report - March 1988, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California, HLA Job No. 7579,221.02	Harding Lawson Associates	JUN-1990

	Title	Author	Date
1990			
	Second Quarterly Report - June 1988, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California, HLA Job No. 7579,222.02	Harding Lawson Associates	JUN-1990
	Work Plan, Fog Oil Study, Fort Hunter Liggett, California, HLA Job No. 7579,361.02	Harding Lawson Associates	AUG-1990
	Design Analysis - Phase II Vapor Recovery System, Spec No. 8903, File No. 198-25-245, Fort Hunter Liggett, California, HLA Job No. 7579,299.02	Harding Lawson Associates	SEP-1990
	EXP57 UST Waste Oil Spill Investigation Sampling Plan, Fort Hunter Liggett, California, Project/Task No. 10777/422, Old HLA Job No. 7579,081*,422.02	Harding Lawson Associates	OCT-1990
	Design Package, Landfill Closure, Specification No. 8682, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California, HLA Job No. 07579,286.02	Harding Lawson Associates	NOV-1990
	Record of Decision, Landfill Closure, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California, HLA Job No. 7579,286.02	Harding Lawson Associates	DEC-1990
	Design Analysis, Fort Hunter Liggett Landfill Closure, Spec No. 8682, File No. 198-25-239, Fort Hunter	Harding Lawson Associates	DEC-1990
1991	Liggett, California, HLA Job No. 7579,287.02		
	Quarterly Report - March 1989, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California, HLA Job No.7579,280.02	Harding Lawson Associates	APR-1991
	Third Quarterly Report - September 1988, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California, HLA Job No. 7579,223.02	Harding Lawson Associates	APR-1991
	Fourth Quarterly Report - December 1988, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California, HLA Job No. 7579,224.02	Harding Lawson Associates	APR-1991
	Solid Waste Air Quality Assessment Test, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California, HLA Job Nos. 7579,138.02, 7579,139.02,	Harding Lawson Associates	APR-1991
	EXP57 UST Waste Oil Spill Investigation, Fort Hunter Liggett, California, Project/Task No. 10777/422, Old HLA Job No. 7579,422.02	Harding Lawson Associates	JUL-1991
	Remedial Investigation/Feasibility Study Work Plan, Existing Fire Drill Burn Pit, Fort Hunter Liggett, California, Project/Task No. 10777/426, Old HLA Job No. 7579,426.02	Harding Lawson Associates	OCT-1991
	Toxic Air Emissions Inventory Plan, Fort Hunter Liggett, Fort Hunter Liggett, California, HLA Job No. 7579,303.02, Draft March 7, 1990	Harding Lawson Associates	OCT-1991
	Site Safety Plan Addendum to Fort Hunter Liggett SHERP, Remedial Investigation/Feasibility Study, Existing Fire Drill Burn Pit, Fort Hunter Liggett, California, Project/Task No. 10777/426, Old HLA Job No. 7579,426.02	Harding Lawson Associates	OCT-1991
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	Quarterly Report, Fourth Quarter 1998, Basewide Water	Harding Lawson Associates	JAN-1999
	Quality Monitoring Program, Fort Hunter Liggett,		
	California, Volume VII Quarterly Report, Fourth Quarter 1998, Water Quality	Harding Lowcon Accesister	
	Monitoring Program, Fort Hunter Liggett Landfill, Fort	Harding Lawson Associates	JAN-1999
	Hunter Liggett, California		
	Draft Annual Report, First through Fourth Quarters	Harding Lawson Associates	MAR-1999
	1998, Water Quality Monitoring Program, Fort Hunter	Thatuing Lawson Associates	MAR-1999
	Liggett Landfill, Fort Hunter Liggett, California		
	Preliminary Draft Feasibility Study, Fort Hunter Liggett	Harding Lawson Associates	MAR-1999
	Landfill, Fort Hunter Liggett, California	Thanding Lawson Associates	
	Draft 1998 Annual Report, Basewide Water Quality	Harding Lawson Associates	MAR-1999
	Monitoring Program, Fort Hunter Liggett, California		
	Revised ORC Pilot Study, Building 194 Site, Fort Hunter	Harding Lawson Associates	MAR-1999
	Liggett, California		
	Draft Feasibility Study, Fort Hunter Liggett Landfill, Fort	Harding Lawson Associates	APR-1999
	Hunter Liggett, California		
	Quarterly Report, First Quarter 1999, Building 194 Area,	Harding Lawson Associates	APR-1999
	Water Quality Monitoring Program, Fort Hunter Liggett		

Author

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Title

Landfill, Fort Hunter Liggett, California		
Quarterly Report, First Quarter 1999, Water Quality Monitoring Program, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California	Harding Lawson Associates	APR-1999
Extension Letter, Building 194 Stockpile Management and Groundwater Investigation, Task Order 0021, Fort Hunter Liggett, California	Harding Lawson Associates	JUN-1999
Extension Letter, Site 8J Well Decommissioning and Report, Fort Hunter Liggett, California	Harding Lawson Associates	JUN-1999
DWR 188 Forms for Fort Hunter Liggett Landfill Well Abandonment	Harding Lawson Associates	JUL-1999
Laboratory Kickoff Meeting, Groundwater Monitoring Projects, Fort Hunter Liggett	Harding Lawson Associates	JUL-1999
Technical Memorandum, Destruction Record, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California	Harding Lawson Associates	JUL-1999
Quarterly Report, Second Quarter 1999, Water Quality Monitoring Program, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California	Harding Lawson Associates	JUL-1999
Quarterly Report, Second Quarter 1999, Building 194 Area, Water Quality Monitoring Program, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California	Harding Lawson Associates	JUL-1999
Draft Remedial Investigation/Feasibility Study, Existing Fire Drill Burn Pit, Abandoned Fire Drill Burn Pit, Site 8J, Building 290 Area Exp 52/57, Former PX Facility, Fort Hunter Liggett	Harding Lawson Associates	OCT-1999

Work Plan ORC Pilot Study, Building 194 Site, Fort Hunter Liggett, California	Harding Lawson Associates	JAN-2000
Quarterly Report, Fourth Quarter 1999, Water Quality Monitoring Program, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California	Harding Lawson Associates	JAN-2000
Quarterly Report, Fourth Quarter 1999, Building 194 Area, Water Quality Monitoring Program, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California	Harding Lawson Associates	JAN-2000
Remedial Investigation/Feasibility Study, Existing Fire Drill Burn Pit Site 8J Building 290 Area-EXP 52/57- Former PX Facility, Fort Hunter Liggett, California	Harding Lawson Associates	JAN-2000
Work Plan, Groundwater Investigation, Building 194 Site, Fort Hunter Liggett, California	Harding Lawson Associates	MAR-2000
Letter of Request to Discharge Purge Water, Mr. Gary Houston, Fort Hunter Liggett, California	Gary Houston	APR-2000
Letter of Transmittal of Comprehensive Certificates of Analysis, Fort Hunter Liggett Landfill Groundwater Monitoring Project	Harding Lawson Associates	APR-2000
First Quarter 2000 Basewide Water Quality Monitoring Program, Building 194 Area, Fort Hunter Liggett, California	Harding Lawson Associates	APR-2000
First Quarter 2000 Water Quality Monitoring Program, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California	Harding Lawson Associates	APR-2000
Draft 1999 Annual Report for Building 194 (Basewide), Fort Hunter Liggett, California	Harding Lawson Associates	APR-2000
Cost Proposal, Landfill Closure Activities and Investigations, Fort Hunter Liggett, California	Harding Lawson Associates	JUN-2000

	Title	Author	Date
2000			
	Draft Technical Memorandum, Groundwater Investigations, Former USTs at Buildings 313, 176, and 258, Fort Hunter Liggett, California	Harding Lawson Associates	JUN-2000
	Fort Hunter Liggett Groundwater Monitoring 3rd Quarter 2000, Laboratory Kick off Meeting	Harding Lawson Associates	JUL-2000
	Pilot Study Addendum, Building 194 Site, Fort Hunter Liggett, California	Harding Lawson Associates	JUL-2000
	Final Technical Memorandum, Groundwater Investigations, Former USTs at Buildings 313, 176, and 258, Fort Hunter Liggett, California	Harding Lawson Associates	OCT-2000
	Work Plan, HRC Barrier Installation, FHL Landfill, Fort Hunter Liggett, California	Harding Lawson Associates	OCT-2000
	Quarterly Report, Third Quarter 200, Water Quality Monitoring Program, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California	Harding Lawson Associates	OCT-2000
	Quarterly Report, Fourth Quarter 1999, Building 194 Area, Water Quality Monitoring Program, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California	Harding Lawson Associates	OCT-2000
	FHL Groundwater Monitoring 4th Quarter 2000 Laboratory Kick-off Meeting, Fort Hunter Liggett, California	Harding Lawson Associates	NOV-2000
2001		1	1
	Quarterly Report, Fourth Quarter 2000, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California	Harding Lawson Associates	JAN-2001
	Well Destruction Plan, 35 Wells at Nine Sites, Fort Hunter Liggett, California	Harding Lawson Associates	JAN-2001
	Quarterly Report, Fourth Quarter 2000, Building 194 Area, Water Quality Monitoring Program, Fort Hunter Liggett, California	Harding Lawson Associates	JAN-2001
	Quarterly Report, First Quarter 2001, Building 194 Area, Fort Hunter Liggett, California	Harding Lawson Associates	APR-2001
	Quarterly Report, First Quarter 2001, Fort Hunter Liggett Landfill, Fort Hunter Liggett, California	Harding Lawson Associates	APR-2001
	Well Abandonment at Nine Sites, Fort Hunter Liggett, California,	Harding Lawson Associates	MAY-2001
	FHL Groundwater Monitoring Third Quarter 2001, Laboratory Kick-off Meeting, Fort Hunter Liggett, California	Harding Lawson Associates	JUL-2001
	Quarterly Report, Second Quarter 2001, Building 194 Area, Water Quality Monitoring Program, Fort Hunter Liggett, California	Harding Lawson Associates	AUG-2001
	Quarterly Report, Second Quarter 2001, FHL Landfill, Fort Hunter Liggett, California	Harding Lawson Associates	AUG-2001
2002			
	Final Feasibility Study, Abandoned Fire Drill Burn Pit, Pesticide Mixing Area	Harding ESE/MACTEC	MAY-2002
2003			
	Final Preliminary Assessment/Site Inspection, Solid Waste Management Units and Areas of Concern, Fort Hunter Liggett, CA	MACTEC Engineering and Consulting, Inc.	AUG-2003
	Quarterly Report, Third Quarter 2003, Building 194 Area, Hydrogen Peroxide Pilot Study, Fort Hunter Liggett, CA	MACTEC Engineering and Consulting, Inc.	NOV-2003
2004		1	1

	Title	Author	Date
2004			
	Semiannual Report, April through September 2003, Water Quality Monitoring Program, Fort Hunter Liggett Landfill.	MACTEC Engineering and Consulting, Inc.	FEB-2004
	Semiannual Report, July 1 2003 through December 31, 2003, Building 194 Area, Water Quality Monitoring Program, Fort Hunter Liggett, CA	MACTEC Engineering and Consulting, Inc.	MAR-2004
	Quarterly Report, First Quarter 2004, Building 194 Area, Hydrogen Peroxide Pilot Study, Fort Hunter Liggett, CA	MACTEC Engineering and Consulting, Inc.	MAY-2004
	Semiannual Report, January 1 through June 30, 2004, Water Quality Monitoring Program, Fort Hunter Liggett Landfill, CA	MACTEC Engineering and Consulting, Inc.	AUG-2004
2005			
	Semiannual Report, July 1 2004 through December 31, 2004, Building 194 Area, Water Quality Monitoring Program, Fort Hunter Liggett, CA	MACTEC Engineering and Consulting, Inc.	FEB-2005
	Semiannual Report, July 1, through December 31, 2004, Water Quality Monitoring Program, Fort Hunter Liggett Landfill, CA	MACTEC Engineering and Consulting, Inc.	FEB-2005
	Quarterly Report, First Quarter 2005, Building 194 Area, Hydrogen Peroxide Pilot Study, Fort Hunter Liggett, CA	MACTEC Engineering and Consulting, Inc.	MAY-2005
	Semiannual Report, January 1 through June 30, 2005, Building 194 Area, Water Quality Monitoring Program, Fort Hunter Liggett, CA	MACTEC Engineering and Consulting, Inc.	SEP-2005
	Semiannual Report, January 1 through June 30, 2005, Water Quality Monitoring Program, Fort Hunter Liggett Landfill.	MACTEC Engineering and Consulting, Inc.	SEP-2005
2006		·	I
	Quarterly Report, Third Quarter 2005, Building 194 Area, Hydrogen Peroxide Pilot Study, Fort Hunter Liggett, CA	MACTEC Engineering and Consulting, Inc.	JAN-2006
	Semiannual Report, July 1 2004 through December 31, 2005, Building 194 Area, Water Quality Monitoring Program, Fort Hunter Liggett, CA	MACTEC Engineering and Consulting, Inc.	FEB-2006
	Semiannual Report, July 1, 2005 through December 31, 2005, Water Quality Monitoring Program, Fort Hunter Liggett Landfill, CA	MACTEC Engineering and Consulting, Inc.	FEB-2006
	Semiannual Report, January 1 through June 30, 2006, Building 194 Area, Water Quality Monitoring Program, Fort Hunter Liggett, CA	MACTEC Engineering and Consulting, Inc.	SEP-2006
	Semiannual Report, January 1 through June 30, 2006, Water Quality Monitoring Program, Fort Hunter Liggett Landfill, CA	MACTEC Engineering and Consulting, Inc.	SEP-2006
2007	, <u>,</u>	,	1
	Semiannual Report, July 1, 2006 through January 5, 2007, Water Quality Monitoring Program, Fort Hunter Liggett Landfill, CA	MACTEC Engineering and Consulting, Inc.	MAR-2007
2009			
	Semiannual Report, July 1 through December 31, 2008, Building 194 Area, Water Quality Monitoring Program, Fort Hunter Liggett, CA	MACTEC Engineering and Consulting, Inc.	FEB-2009
	Semiannual Report, July 1, through December 31, 2008, Water Quality Monitoring Fort Hunter Liggett Landfill-Volume 2	MACTEC Engineering and Consulting, Inc.	FEB-2009

	Title	Author	Date
2009			
	Semiannual Report, January 1 through July 1, 2009, Water Quality Monitoring Program, Fort Hunter Liggett Landfill, CA	MACTEC Engineering and Consulting, Inc.	OCT-2009
	Volume 2, Semi-Annual Report, January 1 through June 30, 2009, Water Quality Monitoring Program, Fort Hunter Liggett Landfill	MACTEC Engineering and Consulting, Inc.	OCT-2009
2010			
	Semiannual Landfill Performance Inspection Report Fort Hunter Liggett Landfill	Sacramento USACE	FEB-2010
	Fort Hunter Liggett Landfill-Post Closure Monitoring Final-2010 Semiannual Report	Ahtna Engineering	NOV-2010
	Fort Hunter Liggett Building 194 Final-Fourth Quarter 2009 through Third Quarter 2010 Annual Report	Ahtna Engineering	DEC-2010
2011			
	Final Vapor Intrusion Study (Area of Buildings 194 and 258)	Sacramento USACE	FEB-2011
	Final Site Characterization Report, Building 194 Area, Fort Hunter Liggett, California, April 22, 2011	Mactec E&I	APR-2011
	Final Remedial Design, Building 194 Area, Fort Hunter Liggett, California, April 22, 2011	Mactec E&I	APR-2011
	Final Building 258 Site Investigation, Technical Memorandum, Fort Hunter Liggett, California, July 14, 2011	Mactec E&I	JUL-2011
2012	L	1	1
	Final Building 258 Area, Site Characterization Report, Fort Hunter Liggett, California, February 29, 2012	Mactec E&I	FEB-2012

FORT HUNTER LIGGETT

Installation Restoration Program

Site Descriptions

Site ID: FTHE-01 Site Name: LANDFILL #1



Regulatory Driver: CWA

RRSE: HIGH

Contaminants of Concern: Petroleum, Oil and Lubricants (POL), Volatiles (VOC)

Media of Concern: Groundwater

Phases	Start	End
PA	198312	198612
SI	198312	198612
RI/FS	199012	200206
IRA	199906	200208
RA(C)	200111	200208
LTM	200209	204309
RIP Date:	N/A	

RC Date: 200208



The FHL Landfill No. 1 consists of 40 acres containing 14 unlined cells without leachate collection and removal systems. Mission Road is northeast of the site and the San Antonio River lies to the southwest. From 1956 to June 1987, the landfill was operated as a nonhazardous disposal facility. Fill material probably includes residential refuse, commercial solid waste, and construction/demolition waste. On June 30, 1987, the site reached its solid waste capacity of approximately 367,000 cy, and waste disposal operations ceased. The site was closed by capping as a class III landfill with an ongoing monitoring program per the state of California regulations. In 1997 about 500 crushed drums were removed from an area adjacent to the landfill. Groundwater samples were collected from the bottom of three excavations, and the groundwater was not found to be impacted.

In 1988 a solid waste assessment test performed under the state's Water Resources Control Board requirements indicated the landfill does not appear to have caused a significant adverse impact on the groundwater or surface water. Under the IRP, an investigation was conducted to determine if there had been a release from the landfill. In February 1996 seven new monitoring wells downgradient to the landfill were installed.

A surface containment cell was constructed within the boundaries of this landfill. The POL and pesticide contaminated soils (nonhazardous) from other FHL sites have been transported and stored at the cell. This soil was used as part of the foundation layer (below the impermeable liner) of this landfill's cap.

Activities associated with landfill closure included: consolidation of four outlying cells into the main landfill in 1998, grading operations for subgrade preparation, and decommissioning of interior monitoring wells in 1999. In September 2000 capping of cells 7 and 8 were completed. Capping of cells 9 through 12, and cell 5 was completed in November 2001. In 1997 regulatory closure of the buried drums area was received. Cell 6, the last cell of the landfill, was capped in 2002 and no further construction is required.

The closed landfill is regulated under state landfill closure requirements and Order No. R3-2004-0006 "General Waste Discharge Requirements for Post-Closure Maintenance of Closed, Abandoned, or Inactive Non hazardous Landfills within the Central Coast Region," dated Feb. 6, 2004, issued by the CRWQCB Central Coast Region. Landfill monitoring will continue as required under state regulations to include sampling and analysis of groundwater and landfill gas monitoring. The closure plan also requires semiannual inspections and a landfill cover settlement analysis every five years.



Landfill No. 1 is currently in the LTM phase. Semiannual groundwater monitoring of 17 wells, methane monitoring, and annual inspections will continue as required under state landfill closure requirements.

Site ID: FTHE-28 Site Name: BLDG 194 - OLD POL FACILITY



Regulatory Driver: CWA

RRSE: HIGH

Contaminants of Concern: Petroleum, Oil and Lubricants (POL), Volatiles (VOC)

Media of Concern: Groundwater, Soil

Phases	Start	End
PA	198801	199403
SI	198801	199406
RI/FS	199201	200209
IRA	199201	200009
RA(C)	200111	200209
RA(O)	200211	201509
RIP Date:	200211	
RC Date:	201509	



Former site FTHE-19 has been combined with FTHE-28 because the groundwater plumes from both sites are commingled. Site FTHE-28 originally consisted of two USTs and one AST. FTHE-19 was a waste oil UST. Building 194 is located east of the former DOL motor pool.

The three tanks at the original FTHE-28 have been removed. In 1958 two steel USTs were installed at Building 194. In 1980 one of the original tanks were replaced and the replacement tank was later removed in 1995. In 1992 the other original tank was removed. A diesel AST was located above a concrete vault at this site. That tank was removed in 1994.

Former site FTHE-19 is the site of a former UST located at the abandoned DOL motor pool facility in a large parking lot east of Building 176. The 750 gallon single-walled steel waste oil UST was used from 1964 until its removal in 1991. The follow-up investigation indicated groundwater contamination of total petroleum hydrocarbons (TPH) at a level of 3,400 parts per million (ppm). The groundwater contamination at this site may result from migration of contaminated groundwater from the tanks at Building 194. Sampling has detected BTEX in the soil and in the groundwater. Also, TPH has been detected in soil at 4800 ppm. A hydropunch investigation was also conducted. A successful pilot study was used to assess the effectiveness of enhanced natural attenuation and it was completed in November 2001. The removal of contaminated soil was completed as an IRA. Approximately 5,000 cy of contaminated soil was excavated.

In the Semiannual Monitoring Report (2008) the consultant concluded that although the plume appears stable at this time, the rebound in benzene and TPH (as gasoline) concentrations within the upper plume area wells suggest the potential for a continuing source at the site. Further work is recommended to refine the conceptual site model, and evaluate the potential for continuing sources such as contaminated capillary fringe surrounding the plume wells 194-PZ-012 and 194-PZ-013.

Previously a pilot study was conducted using hydrogen peroxide and was successful in reducing the high concentration areas which could allow for natural attenuation. In FY10, additional final characterization work was completed to support the final RD. In FY11, a RD was completed and is approved by regulatory agencies and the construction of the RAn was initiated. The remediation was designed to be completed in two phases so a second round of treatment could be accomplished in the deeper zone when water levels were at the lowest elevation. Groundwater monitoring will continue for the next two years after which it is assumed that site closure will be sought using the newly published California State Water Resource Control Board's Low-Threat Underground Storage Tank Case Closure Policy (2012). The policy outlines criteria for closing a site when reasonable effort has been put forth for clean-up, but persistent low-level contamination is left in-place.

CLEANUP/EXIT STRATEGY

Cleanup activities planned for FY2014 include continued quarterly groundwater sampling as part of the remediation-enhanced

Site ID: FTHE-28 Site Name: BLDG 194 - OLD POL FACILITY

natural attenuation process to evaluate cleanup progress and seek site closure. Site Closure will be sought using the newly published California SWRCB's Low-Threat UST Case Closure Policy (2012). The policy outlines criteria for closing a site when reasonable effort has been put forth for clean-up, but persistent low-level contamination is left in-place. Additionally, the SWRCB regulator strongly thinks that this project is an ideal candidate for closure using the new Low-Threat UST Case Closure Policy, following the chemical injections performed in 2012.

Site Closeout (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
FTHE-02	BATTERY ACID NEUTRALIZATION PIT(BLDG290)	199906	Closure Letters from DTSC and RWQCB
FTHE-03	FIRE DRILL PIT #1 (EXISTING BURN PIT)	200009	DTSC Closure Letter
FTHE-04	FORMER PHOTO LAB SUMP (BLDG. 186)	199806	DTSC verbal, no written document located during USACE Periodic Review
FTHE-05	FORMER X-RAY LAB (BLDG 105)	199403	No evidence of release, NFA determined by Installation
FTHE-06	WASTE WATER LAB	199403	No evidence of release, NFA determined by Installation
FTHE-07	CROCKER RANGE	199403	Still an Active/operative Range
FTHE-08	ALPHA RANGE	199403	Still an Active/operative Range
FTHE-09	BRAVO RANGE	199403	Still an Active/operative Range
FTHE-10	RANGE B-9 (TANK RANGE -MPRC)	199403	RCRA Facility Assessment (RFA)
FTHE-16	FORMER PESTICIDE STORAGE (BLDG. T-157)	200212	DTSC Comments on 2003 PA/SI, LUC needs to be added to Base Master Plan
FTHE-17	FORMER SEWAGE TREATMENT PLANT	199809	DTSC Closure Letter
FTHE-19	FORMER UST SITE(FORMER DOL MP/FACILITY95	199101	Site was incorporated into Site FTHE-28
FTHE-20	BLDG 290 FORMER HAZ WASTE STORAGE AREA	200009	DTSC and RWQCB Closure Letters
FTHE-23	MILLER RANCH BLDG T-624-UST	199403	DTSC comments on 2003 PA/SI concur with NFA
FTHE-24	FIRE DRILL PIT #2 (ABANDONED BURN PIT)	200009	DTSC Comments on 2003 PA/SI, LUC needs to be added to Base Master Plan
FTHE-25	BLDG 290 WASTE OIL SUMP	199604	DTSC and RWQCB Closure Letters
FTHE-26	BLDG 122 - OLD PX FACILITY (FORMER USTS)	200009	DTSC and RWQCB Closure Letters
FTHE-27A	FORMER CDEC 8J HAZ WASTE ACCUM AREA	199906	DTSC and RWQCB Closure Letters
FTHE-27B	FORMER CDEC 8J WASTE OIL TANK SITE	200009	This site was consolidated into FTHE-27A and was closed out with it with DTSC and RWQCB Closure Letters
FTHE-27C	CDEC 8J AREA 1 TANK PARKING	199710	This site was consolidated into FTHE-27A and was closed out with it with DTSC and RWQCB Closure Letters
FTHE-27D	CDEC 8J AREA 3	199410	DTSC comments on 2000 RI/FS concur with NFA
FTHE-29	EXP 52/57 FORMER UST SITE	200009	DTSC and RWQCB Closure Letters
FTHE-30	AMMUNITION CRATE BURN AREA	199806	DTSC comments on 2003 PA/SI concur with NFA
FTHE-31	DEH FORMER CONTAMINATED SOIL PILE SITE	199403	DTSC comments on 2003 PA/SI concur with NFA
FTHE-32	MILLER RANCH CONTAMINATED SOIL PILES	199712	DTSC comments on 2003 PA/SI concur with NFA
FTHE-33	FORMER DOL HAZ WASTE ACCUM AREA (B-252)	200009	DTSC comments on 2003 PA/SI concur with NFA
FTHE-34	FORMER WV MAINTEN HAZ ACCUM AREA (B-259)	200106	DTSC comments on 2003 PA/SI concur with NFA
FTHE-35	FORMER ARMOR HAZ WASTE ACCUM AREA (B-25)	199809	DTSC comments on 2003 PA/SI concur with NFA
FTHE-36	FORMER OPEN YARD HAZ WASTE ACCUM AREA	199809	DTSC comments on 2003 PA/SI concur with NFA
FTHE-37	FORMER DOL HAZ WASTE ACCUM (HELIPAD)	199710	DTSC comments on 2003 PA/SI concur with NFA

Site Closeout (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
FTHE-38	DEH FORMER TRANSFORMER STRG (BLDG. 141)	199809	DTSC comments on 2003 PA/SI concur with NFA
FTHE-39	MILLER RANCH EVAP. POND & SUMP	199907	DTSC comments on 2003 PA/SI concur with NFA

IRP Schedule

Date of IRP Inception: 198312

Past Phase Cor	mpletion Milestones
1987	
PA	(FTHE-01 - LANDFILL #1)
SI	(FTHE-01 - LANDFILL #1)
1988	
RFA	(FTHE-20 - BLDG 290 FORMER HAZ WASTE STORAGE AREA)
CS	(FTHE-20 - BLDG 290 FORMER HAZ WASTE STORAGE AREA)
1989	
ISC	(FTHE-27B - FORMER CDEC 8J WASTE OIL TANK SITE)
1990	
RFA	(FTHE-05 - FORMER X-RAY LAB (BLDG 105))
INV	(FTHE-27B - FORMER CDEC 8J WASTE OIL TANK SITE)
1991	
IMP(C)	(FTHE-19 - FORMER UST SITE(FORMER DOL MP/FACILITY95)
PA	(FTHE-03 - FIRE DRILL PIT #1 (EXISTING BURN PIT))
ISC	(FTHE-19 - FORMER UST SITE(FORMER DOL MP/FACILITY95)
CS	(FTHE-02 - BATTERY ACID NEUTRALIZATION PIT(BLDG290))
RFA	(FTHE-02 - BATTERY ACID NEUTRALIZATION PIT(BLDG290))
SI	(FTHE-03 - FIRE DRILL PIT #1 (EXISTING BURN PIT))
INV	(FTHE-19 - FORMER UST SITE(FORMER DOL MP/FACILITY95)
1992	
RFI/CMS	(FTHE-20 - BLDG 290 FORMER HAZ WASTE STORAGE AREA)
1993	
CAP	(FTHE-27B - FORMER CDEC 8J WASTE OIL TANK SITE)
IRA	(FTHE-27B - FORMER CDEC 8J WASTE OIL TANK SITE)
1994	
PA	(FTHE-16 - FORMER PESTICIDE STORAGE (BLDG. T-157), FTHE-17 - FORMER SEWAGE TREATMENT
	PLANT, FTHE-24 - FIRE DRILL PIT #2 (ABANDONED BURN PIT), FTHE-26 - BLDG 122 - OLD PX FACILITY
	(FORMER USTS), FTHE-28 - BLDG 194 - OLD POL FACILITY, FTHE-30 - AMMUNITION CRATE BURN
	AREA, FTHE-31 - DEH FORMER CONTAMINATED SOIL PILE SITE, FTHE-32 - MILLER RANCH CONTAMINATED SOIL PILES, FTHE-34 - FORMER WV MAINTEN HAZ ACCUM AREA (B-259), FTHE-39 -
	MILLER RANCH EVAP. POND & SUMP)
RI/FS	(FTHE-24 - FIRE DRILL PIT #2 (ABANDONED BURN PIT))
ISC	(FTHE-23 - MILLER RANCH BLDG T-624-UST)
RFA	(FTHE-04 - FORMER PHOTO LAB SUMP (BLDG. 186), FTHE-06 - WASTE WATER LAB, FTHE-07 -
	CROCKER RANGE, FTHE-08 - ALPHA RANGE, FTHE-09 - BRAVO RANGE, FTHE-10 - RANGE B-9 (TANK
	RANGE -MPRC), FTHE-25 - BLDG 290 WASTE OIL SUMP, FTHE-27A - FORMER CDEC 8J HAZ WASTE
	ACCUM AREA, FTHE-27C - CDEC 8J AREA 1 TANK PARKING, FTHE-27D - CDEC 8J AREA 3, FTHE-33 -
	FORMER DOL HAZ WASTE ACCUM AREA (B-252), FTHE-35 - FORMER ARMOR HAZ WASTE ACCUM AREA (B-25), FTHE-36 - FORMER OPEN YARD HAZ WASTE ACCUM AREA, FTHE-37 - FORMER DOL
	HAZ WASTE ACCUM (HELIPAD), FTHE-38 - DEH FORMER TRANSFORMER STRG (BLDG. 141))
IRA	(FTHE-25 - BLDG 290 WASTE OIL SUMP)
CS	(FTHE-04 - FORMER PHOTO LAB SUMP (BLDG. 186), FTHE-33 - FORMER DOL HAZ WASTE ACCUM
	AREA (B-252), FTHE-35 - FORMER ARMOR HAZ WASTE ACCUM AREA (B-25), FTHE-36 - FORMER
	OPEN YARD HAZ WASTE ACCUM AREA, FTHE-37 - FORMER DOL HAZ WASTE ACCUM (HELIPAD),
SI	FTHE-38 - DEH FORMER TRANSFORMER STRG (BLDG. 141)) (FTHE-16 - FORMER PESTICIDE STORAGE (BLDG. T-157), FTHE-24 - FIRE DRILL PIT #2 (ABANDONED
01	BURN PIT), FTHE-26 - BLDG 122 - OLD PX FACILITY (FORMER USTS), FTHE-28 - BLDG 194 - OLD POL
	FACILITY, FTHE-31 - DEH FORMER CONTAMINATED SOIL PILE SITE, FTHE-32 - MILLER RANCH

	CONTAMINATED SOIL PILES, FTHE-34 - FORMER WV MAINTEN HAZ ACCUM AREA (B-259), FTHE-39 - MILLER RANCH EVAP. POND & SUMP)
1995	
RFI/CMS	(FTHE-27C - CDEC 8J AREA 1 TANK PARKING)
CS	(FTHE-25 - BLDG 290 WASTE OIL SUMP, FTHE-27A - FORMER CDEC 8J HAZ WASTE ACCUM AREA, FTHE-27C - CDEC 8J AREA 1 TANK PARKING, FTHE-27D - CDEC 8J AREA 3)
PA	(FTHE-29 - EXP 52/57 FORMER UST SITE)
IRA	(FTHE-29 - EXP 52/57 FORMER UST SITE)
RI/FS	(FTHE-29 - EXP 52/57 FORMER UST SITE)
SI	(FTHE-17 - FORMER SEWAGE TREATMENT PLANT, FTHE-29 - EXP 52/57 FORMER UST SITE, FTHE-30 - AMMUNITION CRATE BURN AREA)
1996	
CMI(C)	(FTHE-25 - BLDG 290 WASTE OIL SUMP)
RFI/CMS	(FTHE-37 - FORMER DOL HAZ WASTE ACCUM (HELIPAD))
1997	
RI/FS	(FTHE-30 - AMMUNITION CRATE BURN AREA)
RA(C)	(FTHE-30 - AMMUNITION CRATE BURN AREA)
IRA	(FTHE-02 - BATTERY ACID NEUTRALIZATION PIT(BLDG290))
1998	
RD	(FTHE-32 - MILLER RANCH CONTAMINATED SOIL PILES)
RI/FS	(FTHE-17 - FORMER SEWAGE TREATMENT PLANT, FTHE-32 - MILLER RANCH CONTAMINATED SOIL PILES)
RA(C)	(FTHE-32 - MILLER RANCH CONTAMINATED SOIL PILES)
RFI/CMS	(FTHE-04 - FORMER PHOTO LAB SUMP (BLDG. 186), FTHE-33 - FORMER DOL HAZ WASTE ACCUM AREA (B-252), FTHE-35 - FORMER ARMOR HAZ WASTE ACCUM AREA (B-25), FTHE-36 - FORMER OPEN YARD HAZ WASTE ACCUM AREA, FTHE-38 - DEH FORMER TRANSFORMER STRG (BLDG. 141))
1999	
RFI/CMS	(FTHE-02 - BATTERY ACID NEUTRALIZATION PIT(BLDG290), FTHE-27A - FORMER CDEC 8J HAZ WASTE ACCUM AREA)
IRA	(FTHE-34 - FORMER ŴV MAINTEN HAZ ACCUM AREA (B-259), FTHE-39 - MILLER RANCH EVAP. POND & SUMP)
RI/FS	(FTHE-26 - BLDG 122 - OLD PX FACILITY (FORMER USTS), FTHE-39 - MILLER RANCH EVAP. POND & SUMP)
2000	
IMP(C)	(FTHE-27B - FORMER CDEC 8J WASTE OIL TANK SITE)
IRA	(FTHE-03 - FIRE DRILL PIT #1 (EXISTING BURN PIT), FTHE-16 - FORMER PESTICIDE STORAGE (BLDG. T-157), FTHE-20 - BLDG 290 FORMER HAZ WASTE STORAGE AREA, FTHE-28 - BLDG 194 - OLD POL FACILITY)
RA(C)	(FTHE-24 - FIRE DRILL PIT #2 (ABANDONED BURN PIT), FTHE-26 - BLDG 122 - OLD PX FACILITY (FORMER USTS), FTHE-29 - EXP 52/57 FORMER UST SITE)
RI/FS 2001	(FTHE-03 - FIRE DRILL PIT #1 (EXISTING BURN PIT))
RI/FS 2002	(FTHE-34 - FORMER WV MAINTEN HAZ ACCUM AREA (B-259))
RA(C)	(FTHE-01 - LANDFILL #1, FTHE-16 - FORMER PESTICIDE STORAGE (BLDG. T-157), FTHE-28 - BLDG 194 - OLD POL FACILITY)
IRA	(FTHE-01 - LANDFILL #1)
RI/FS	(FTHE-01 - LANDFILL #1, FTHE-16 - FORMER PESTICIDE STORAGE (BLDG. T-157), FTHE-28 - BLDG

IRP Schedule

194 - OLD POL FACILITY)

Projected Phase Completion Milestones See attached schedule

Projected Record of Decision (ROD)/Decision Document (DD) Approval Dates Site ID Site Name ROD/DD Title

ROD/DD Date

Final RA(C) Completion Date: 200209

Schedule for Next Five-Year Review: N/A

Estimated Completion Date of IRP at Installation (including LTM phase): 204309

FORT HUNTER LIGGETT IRP Schedule

							= phase u	nderway
SITE ID	SITE NAME	PHASE	FY14	FY15	FY16	FY17	FY18	FY19+
FTHE-01	LANDFILL #1	LTM						
SITE ID	SITE NAME	PHASE	FY14	FY15	FY16	FY17	FY18	FY19+
FTHE-28	BLDG 194 - OLD POL FACILITY	RA(O)						

FORT HUNTER LIGGETT

Army Defense Environmental Restoration Program Compliance Restoration

CR Summary

1/0

Installation T	otal Army Environmental Data	base-Resto	pration (AEDB-R) Sites/Closeout Sites Cou	int:		
Installation Site Types with Future and/or Underway Phases 1 Underground Storage Tank (CCFHL001) Most Widespread Contaminants of Concern Other (Free-product, Benzene)						
Media of Cor Groundwat						
Completed R Site ID	emedial Actions (Interim Reme Site Name	edial Action Action	ns/ Final Remedial Actions (IRA/FRA)) Remedy	FY		
CCFHL001	UST CORRECTIVE ACTION, BLDG, 258	FRA	BIOREMEDIATION - IN SITU GROUNDWATER	2009		
CCFHL001	UST CORRECTIVE ACTION, BLDG. 258	FRA	REMOVAL	2013		
Duration of C	R					
Date of CR In	Date of CR Inception: 199901					
Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC): 201309/201709						
Date of CR c	ompletion including Long Tern	n Managem	ent (LTM): 201709			

Contamination Assessment Overview

Environmental restoration activities include the IRP and Military Munition Response Program (MMRP). On Dec. 29, 2008, the Office of the Deputy Under Secretary of Defense for Installation and Environment, [ODUSD (I&E)], issued an interim policy for Defense Environmental Restoration Program (DERP) eligibility that rescinded the 1986 eligibility date for the IRP and the 2002 eligibility date for the MMRP. This made many sites previously addressed in the Army's Compliance-related Cleanup (CC) Program eligible for the DERP. Sites that are now eligible for the Installation Restoration (IR) program have been migrated from Army Environmental Database (AEDB-CC) and given the naming convention of other IR sites. The newly eligible sites are considered to be IR sites; however, are being coded as Compliance Restoration (CR) in AEDB-R to distinguish them from the original IR sites and IR metrics.

The Building 258 area is used as a motor pool and ECS. The site is to the south of 7th Division Road. A release of approximately 30,000 to 40,000 gallons of gasoline occurred during an earthquake in October 1988, when the underground pipes for four USTs split. The plume is approximately one mile long, less than 100 yards wide, and is thought to be contained by bedrock highs. It is approximately a half mile from the San Antonio River, which flows into the San Antonio Reservoir, and provides drinking water for about 250,000 residents of San Luis Obispo County, California. Contamination is potentially impacting drinking water supplies.

Benzene levels were initially measured at 18,000 ppb in 1999 and have ranged up to 39,300 parts per billion (ppb). The most recent groundwater monitoring period (fourth quarter 2011) identified benzene levels up to 22,400 ppb. Nine monitoring wells were installed between 2002 and 2004, and nine more wells were in 2011 and early 2012. An soil vapor extraction (SVE) system installed in the release area in November 2009 generated over 17,000 gallons of fuel product, and free-product continues to be found in the wells.

RA(O) was implemented at CCFHL001 using (1) a SVE system at the source area, (2) monitoring well installation and sampling, (3) quarterly sampling and analysis, and (4) source area sampling and analysis. Although the SVE system was initially successful in reducing the high contaminant concentrations at the source area, extreme fluctuations in groundwater elevations and extended drought conditions have limited its usefulness. The SVE system operated for a two-year period starting in FY09 and was turned off in FY11.

Cleanup Exit Strategy

The focus of the sites transferred from the CC program is to achieve site closeout when product has been sufficiently abated and state requirements have been met. The newer CR sites are to be investigated and a defined path developed to achieve site closure in a timely manner.

Cleanup activities planned for CCFHL001 beginning in FY13 include auger excavation of 5,500 cy of contaminated soil in the source area, addition of oxygen-releasing amendments into the excavation before backfill with concrete and pea gravel, installation of new monitoring wells, quarterly sampling, and analysis. The RD was completed in September 2012, with regulatory approval received in Feb 2013. Contamination is being addressed in three areas: 1) source area, 2) mid-plume area, and 3) distal end or dissolved plume area. Different remedial technologies are being used at each area, as the nature and extent of the plume varies in the three areas. Funding for all of the aforementioned activities has already been procured and is not part of the cost-to-complete (CTC) represented in the memorandum for record (MFR). Historically, to confirm groundwater remediation is complete, regulatory agencies have required at least five years of monitoring after a site reaches the aquifer cleanup requirements. However, the California SWRCB has stated in multiple quarterly meetings that this site may be a good candidate for its new Low Threat Closure Policy after the contamination source is removed. Four years of post-excavation groundwater monitoring will be conducted to document that the threat has been mitigated.

CR Previous Studies

	Title	Author	Date
1991			
	BUILDING 258 GASOLINE SPILL INVESTIGATION, FORT HUNTER LIGGETT, CA	Harding Lawson Associates	FEB-1991
2000	· · · · ·		
	FINAL TECHNICAL MEMORANDUM GROUNDWATER INVESTIGATIONS FORMER USTS AT BUILDINGS 313, 176, AND 258, FORT HUNTER LIGGETT, CA	Harding Lawson Associates	OCT-2000
2009			
	Final Technical Memorandum Report Soil Vapor Extraction Pilot Treatability Study Building 258 Area Fort Hunter Liggett, California	Ahtna Engineering	JUN-2009
2010		1	
	Final Construction Completion Report Soil Vapor Extraction Remedial Action Building 258 Area Fort Hunter Liggett, California	Ahtna Engineering	AUG-2010
	Final 2010 First Semiannual Report, Soil Vapor Extraction Remedial Action, Building 258 Area, Fort Hunter Liggett, California	Ahtna Engineering	NOV-2010
2011			1
	Final Building 258 Site Investigation and Monitoring Well Installation Work Plan Fort Hunter Liggett	Ahtna Engineering	JAN-2011
	Final Vapor Intrusion Study, Fort Hunter Liggett, Monterey County, California	Ahtna Engineering	FEB-2011
	Building 258 Site Investigation Technical Memorandum Fort Hunter Liggett, California	MACTEC	APR-2011
2012			
	Final Building 258 Area Site Characterization Report Fort Hunter Liggett, California	AMEC	FEB-2012
	Final Project Management Plan Environmental Remediation Services Building 258 Area Fort Hunter Liggett, California	Ahtna Engineering	DEC-2012
2013			
	Final Source Area Remediation work Plan, Fort Hunter Liggett, California, Building 258 Area	Ahtna Engineering	MAR-2013

FORT HUNTER LIGGETT

Compliance Restoration

Site Descriptions

Site ID: CCFHL001 Site Name: UST CORRECTIVE ACTION, BLDG. 258



Regulatory Driver: CWA Contaminants of Concern: Other (Benzene, Free-product) Media of Concern: Groundwater, Soil

Phases	Start	End
PA	199901	199902
RI/FS	199910	200109
RA(C)	200210	201309
RA(O)	200610	201709
RIP Date:	201309	
RC Date:	201709	



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During FY13 the primary source area will be excavated. Spoils will be landfarmed. SWRCB "Low Threat Closure" Program will be investigated for use at this site.

CLEANUP/EXIT STRATEGY

Cleanup activities planned for CCFHL001 beginning in FY13 include auger excavation of contaminated soil in the source area, addition of oxygen-releasing amendments into the excavation before backfill, installation of new monitoring wells, quarterly sampling, and analysis. The RD was completed in September 2012, with regulatory approval received in Feb 2013. Contamination is being addressed in three areas - 1) source area, 2) mid-plume area, and 3) distal end or dissolved plume area. Different remedial technologies are being used for each site, as the nature and extent of the plume varies in the three areas. The California SWRCB has stated in multiple quarterly meetings that this site may be a good candidate for its new Low Threat Closure Policy after the contamination source is removed. Post-excavation groundwater monitoring will be conducted to indicate the threat has been mitigated.

Site Closeout (No Further Action) Summary

Site ID Site Name There are no NFA sites NFA Date Documentation

CR Schedule

Date of CR Inception: 199901

Past Phase Completion Milestones 1999 PA (CCFHL001 - UST CORRECTIVE ACTION, BLDG. 258) 2001 RI/FS (CCFHL001 - UST CORRECTIVE ACTION, BLDG. 258)

Projected Phase Completion Milestones See attached schedule

Projected Record of Decision (ROD)/Decision Document (DD) Approval Dates

To Be Determined

Final RA(C) Completion Date: 201309

Schedule for Next Five-Year Review: N/A

Estimated Completion Date of CR at Installation (including LTM phase): 201709

FORT HUNTER LIGGETT CR Schedule

							= phase u	nderway
SITE ID	SITE NAME	PHASE	FY14	FY15	FY16	FY17	FY18	FY19+
CCFHL001	UST CORRECTIVE ACTION, BLDG.	RA(O)						
	258							L

Technical Review Committee (TRC): None

Community Involvement Plan (Date Published): 201010

Restoration Advisory Board (RAB): No

Reason Not Established: The community has expressed no sufficient, sustained interest in a RAB.

Community Interest Solicited on: 201010

Efforts Taken to Determine Interest

An October 2010 Public Relations Plan Addendum and community surveys prompted a public notice soliciting interest in the formation of a RAB. The notice was placed in the Monterey County Herald and the South County Newspapers, LLC, which covers the King City Rustler, Greenfield News, Soledad Bee, and Gonzales Tribune on Aug. 18 and 19, 2010. The RAB would have been in support of an RI for MMRP Site FTHE-001-R-01. The responses were insufficient to form a RAB.

Results

The community has not expressed a sufficient, sustained interest in a RAB. After careful evaluation of the solicitation results, the commander determined that there is no need for a RAB at the installation.

Follow-up Procedures

Moving forward, individuals interested in the environmental restoration activities at the installation should contact the FHL Public Affairs Office (PAO) to express interest in obtaining more information and/or forming a RAB. Public notification and solicitation of public comment will occur upon completion of the no action proposed plan and DD to follow the finalization of the RI for FTHE-001-R-01. Since this installation is not yet at RIP/RC, RAB solicitation will be conducted again 2013.

Additional Community Involvement Information

In October 1995, community interviews were conducted, but there was not enough public interest to create a RAB. In 1995, three Information Repositories were established and a community relations plan was finalized in 1996.

In 1998, FHL updated the community relations plan and conducted a second round of community interviews; however, interest is insufficient to create a RAB. The installation will continue to monitor community interest.

In June 2001 a public meeting was conducted in King City, California for public comment related to the proposed plan for closure of these four IRP sites: the Burn Pit, Site 8J, the EXP 52/57 site, and the former PX. No community interest was expressed.

In August 2002 a public meeting was held for the landfill, but there was no public attendance. The secluded location of FHL makes a RAB difficult, but the community members routinely interact, albeit informally, with the installation point of contact (POC) and information about how the environmental programs are going is provided.

A solicitation for a RAB was also published in two local newspapers in April 2009; however, there was no response. The installation has established an IR at the locations listed below.

Administrative Record is located at

US Army Garrison, Fort Hunter Liggett Environmental Office, Building 243 Jolon, CA 93928 (831) 386-2219

Information Repository is located at

San Antonio School Library 67550 Lockwood Jolon Road Lockwood, CA 93932 (831) 385-3051

and

Community Involvement

Monterey County Free Library 26 Central Avenue Salinas, CA 93901 (831) 455-9699

Current Technical Assistance for Public Participation (TAPP):N/A

TAPP Title: N/A

Potential TAPP: N/A