

**FY2016**

**PARKS RESERVE FORCES TRAINING AREA**  
**Army Defense Environmental Restoration Program**  
**Installation Action Plan**

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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 US Army Environmental Command, the Parks Reserve Forces Training Area (PRFTA), and the Installation Management Command (IMCOM)- Army Reserves Office, the executing agencies, regulatory agencies, and the public, an IAP was completed. The IAP is used to track requirements, schedules and tentative 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

AEDB-R	Army Environmental Database - Restoration
AOC	Area of Concern
APG	Aberdeen Proving Ground
AST	Aboveground Storage Tank
bgs	below ground surface
Bldg	Building
CAEPA	California Environmental Protection Agency
CALTRAN	California Department of Transportation
CAP	Corrective Action Plan
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
COC	Contaminant of Concern
DD	Decision Document
DES	Design
DTSC	Department of Toxic Substances Control
ER	Emergency Removal
FOST	Finding of Suitability to Transfer
FRA	Final Remedial Action
FS	Feasibility Study
ft	feet
FY	Fiscal Year
GFPR	Guaranteed Fixed Price Remediation
IAP	Installation Action Plan
IMCOM	Installation Management Command
IMP(C)	Implementation (Construction)
IMP(O)	Implementation (Operation)
INV	Investigation
IRA	Interim Remedial Action
IRP	Installation Restoration Program
ISC	Initial Site Characterization
K	thousand
kg	kilogram
LTM	Long-Term Management
LUC	Land Use Control
LUCIP	Land Use Control Implementation Plan
MC	Munitions Constituents
MEC	Munitions and Explosives of Concern
mg	milligram
mg/kg	milligrams per kilogram
MMRP	Military Munitions Response Program
MRS	Munitions Response Site
MRSPP	Munitions Response Site Prioritization Protocol
N/A	Not Applicable
NFA	No Further Action
NPL	National Priorities List
PA	Preliminary Assessment

## Acronyms

PCB	Polychlorinated Biphenyl
POL	Petroleum, Oil, and Lubricants
PRFTA	Parks Reserve Forces Training Area
RA	Remedial Action
RA(C)	Remedial Action (Construction)
RA(O)	Remedial Action (Operation)
RAB	Restoration Advisory Board
RC	Response Complete
RD	Remedial Design
RI	Remedial Investigation
RIP	Remedy-in-Place
ROD	Record of Decision
RRSE	Relative Risk Site Evaluation
RWQCB	Regional Water Quality Control Board
Seabees (CBs)	US Naval Mobile Construction Battalion
SI	Site Inspection
SVOC	Semi-Volatile Organic Compound
TAPP	Technical Assistance for Public Participation
TRC	Technical Review Committee
USACE	US Army Corps of Engineers
USACHPPM	US Army Center for Health Promotion and Preventive Medicine
USAEHA	US Army Environmental Hygiene Agency
UST	Underground Storage Tank
VOC	Volatile Organic Compound

# Installation Information

## Installation Locale

**Installation Size (Acreage):** 2478

**City:** Dublin

**County:** Alameda and Contra Costa

**State:** California

## Other Locale Information

Parks Reserve Forces Training Area (PRFTA) is located in Dublin, California and has a generally flat, 487-acre cantonment area within its 2,478 acres. The northern two-thirds of PRFTA consists primarily of grassy rolling hills and valleys (rising from about 350 feet (ft) to 750 ft) used as a training area. The PRFTA is a multi-use installation that hosts a variety of military and civilian tenants.

## Installation Mission

The mission of the PRFTA is to serve as a training center of excellence for assigned active component and reserve units and individuals, providing logistical, administrative, training, facilities, and support for the combined total force, and enhance the readiness of the reserve components by providing an environment that supports individual, collective and institutional training.

## Lead Organization

US Army Reserve

## Lead Executing Agencies for Installation

US Army Corps of Engineers (USACE)

## Regulator Participation

**State** San Francisco Bay Regional Water Quality Control Board (RWQCB)  
California Environmental Protection Agency (CAEPA), Department of Toxic Substances Control (DTSC)

## National Priorities List (NPL) Status

PARKS RESERVE FORCES TRAINING AREA is not on the NPL

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

Installation is in the process of determining interest in establishing a RAB.

## Installation Program Summaries

### IRP

**Primary Contaminants of Concern:** Dioxins/Dibenzofurans, Metals, Petroleum, Oil and Lubricants (POL), Semi-volatiles (SVOC), Volatiles (VOC)

**Affected Media of Concern:** Groundwater, Soil

### MMRP

**Primary Contaminants of Concern:** Munitions and explosives of concern (MEC), Munitions constituents (MC)

**Affected Media of Concern:** Soil

### CR

**Primary Contaminants of Concern:** Metals, Other (PCBs, dioxins/furans)

**Affected Media of Concern:** Soil

# 5-Year / Periodic Review Summary

## 5-Year / Periodic Review Summary

Status	Start Date	End Date	End FY
Planned	201611	201709	2017

## 5-Year / Periodic Review Details

Associated ROD/DD Name	Sites
PRFTA-02 ROD	PRFTA-02



## Land Use Control (LUC) Summary

**LUC Title:** LUCIP

**Site(s):** PRFTA-13

**ROD/DD Title:** Low Threat Closure Approval for PRFTA-13

**Location of LUC**

PRFTA-13

**Land Use Restriction:** Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** None

**Types of Institutional Controls:** Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 201312

**Modification Date:** N/A

**Date Terminated:** N/A

**Inspecting Organization:** Installation

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 201312

**LUC Enforcement:** Annual Inspections

**Contaminants:** PETROLEUM HYDROCARBON

**Additional Information**

N/A

**LUC Title:** LUCIP

**Site(s):** PRFTA-02

**ROD/DD Title:** PRFTA-02 ROD

**Location of LUC**

PRFTA-02

**Land Use Restriction:** Media specific restriction - Prohibit, or otherwise manage excavation, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** None

**Types of Institutional Controls:** Dig Permits, Restrictions on land use

**Date in Place:** 201504

**Modification Date:** N/A

**Date Terminated:** N/A

**Inspecting Organization:** Installation

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 201509

**LUC Enforcement:** Annual Inspections, 5 Year Reviews

**Contaminants:** DIOXINS/DIBENZOFURANS, METALS

**Additional Information**

N/A

# Cleanup Program Summary

## Installation Historic Activity

The PRFTA, established in 1942, was one of the earlier facilities established not long after the inception of the US Naval Mobile Construction Battalion (Seabees, aka CBs) and was used to support their mission. From 1942 through 1944, the installation was a camp called the Shoemaker Naval Reservation. During this time the installation functioned as a construction battalion replacement depot, a Naval personnel distribution center, and a Naval hospital. The facility became the largest station for Seabee personnel, incorporating roughly 90,000.

In 1946, after the war, the Secretary of the Navy disestablished the installation and from 1946 to 1953 it was leased to Alameda County and became the Santa Rita Rehabilitation Center. In 1953 the area was reacquired by the US Air Force and became Parks Air Force Base. It was primarily used as a basic training center, overseas replacement depot, and an air base defense training area. Up to 12,000 troops were housed on base at any one time for training for the Korean War.

In 1958, the US Air Force exceded the installation. Portions were then used as the US Navy Radiological Defense Laboratory, where experiments were conducted on plants and animals. From 1959 through 1973 the Army operated the installation in standby status.

In 1973, the installation was reactivated and from then to the present the installation's operations have been in support of reserve components. Its perimeter was expanded back to where it nearly equaled its 1942-44 size. In 1975 the installation was officially established as the US Army Garrison, PRFTA. Intermittently since 1964, selected parcels were released or leased to other entities. In 1988, 18 agencies and entities retained leases and easements to parcels within PRFTA. During this latter period, the installation served as a mobilization and training center for reserve components and became semi-active and a sub-installation of the Presidio of San Francisco. In 1992, it became a sub-installation of Headquarters, I Corps and Fort Lewis, Washington. In 1994, the Army Reserve Command classified PRFTA as a direct reporting installation to Fort McCoy, Wisconsin. In 2004, it was renamed Camp Parks and was merged with Fort Hunter-Liggett, Moffett Field Army Housing, and B.T. Collins to form the US Army Combat Support Training Center.

PRFTA organizations use the installation for a variety of activities including fire services, building maintenance, range control, storage, demolition activities, and administration of utilities. Tenants include the residential communities' initiative; Clark/Pinnacle, California National Guard, Navy Seabees, Bureau of Prisons, and Armed Forces reserve units.

## Installation Program Cleanup Progress

### IRP

**Prior Year Progress:** Land use control implementation plans (LUCIP) were completed for both PRFTA-02 and PRFTA-13. Wells at PRFTA-02 were decommissioned. The LUCIPs were approved. Site inspections (SI) were completed.

**Future Plan of Action:** Land transfer is anticipated for PRFTA-02 and PRFTA-13. Land use controls (LUC) are being implemented until the properties are transferred. The transfer documentation will include a deed restriction for each site requiring commercial or industrial use. The use of shallow groundwater beneath PRFTA-13 is prohibited due to the risk of exposure to residual petroleum constituents.

### MMRP

**Prior Year Progress:** The installation is planning to reopen the Area B range. Environmental impact analysis was started.

**Future Plan of Action:** Remediation is on hold due to plans to reactivate the Area B Range.

### CR

**Prior Year Progress:** For CCPRFTA-06: A waste characterization study was completed. The proposed plan was written and a public meeting was held. No public comments were received. A draft final record of decision (ROD) is under review.

For CCPRFTA-01: Responses to regulatory comments on the draft final feasibility study (FS) were completed. A scoping session for a removal action at CCPRFTA-01 is planned for August 2016.

**Future Plan of Action:** Completion of remediation at both CCPRFTA-01 and CCPRFTA-06. Following remediation, CCPRFTA-01 is expected to be part of a land transfer to the Dublin Unified School District so that they can build a new high school. Playing fields are expected to be located on the former site.

**PARKS RESERVE FORCES TRAINING AREA  
Army Defense Environmental Restoration Program  
Installation Restoration Program**

# IRP Summary

**Installation Total Army Environmental Database-Restoration (AEDB-R) Sites/Closeout Sites Count:** 7/5

## Installation Site Types with Future and/or Underway Phases

- 1 Contaminated Ground Water  
(PRFTA-13)
- 1 Incinerator  
(PRFTA-02)

## Most Widespread Contaminants of Concern

Dioxins/Dibenzofurans, Metals, Petroleum, Oil and Lubricants (POL), Semi-volatiles (SVOC), Volatiles (VOC)

## Media of Concern

Groundwater, Soil

## Completed Remedial Actions (Interim Remedial Actions/ Final Remedial Actions (IRA/FRA))

Site ID	Site Name	Action	Remedy	FY
PRFTA-13	BLDG 761 FORMER FUEL AST	FRA	WASTE REMOVAL - SOILS	2007
PRFTA-13	BLDG 761 FORMER FUEL AST	FRA	IN-SITU SOIL TREATMENT	2007
PRFTA-13	BLDG 761 FORMER FUEL AST	FRA	GROUND WATER TREATMENT	2007
PARKS7	DRUM DISPOSAL SITE	FRA	REMOVAL	2009
PRFTA-02	B-109 INCINERATOR	FRA	WASTE REMOVAL - SOILS	2015

## Duration of IRP

**Date of IRP Inception:** 199309

**Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC):** 201506/201506

**Date of IRP completion including Long Term Management (LTM):** 201909

# IRP Contamination Assessment

## Contamination Assessment Overview

At present, PRFTA has no federal facility agreement or interagency agreement. There is no Technical Review Committee (TRC) or Restoration Advisory Board (RAB). The PRFTA has completed only one installation-wide preliminary assessment (PA). The facility has no active landfills. Although historically the facility has been transferred between military branches and undergone various periods of deactivation, it has not undergone a previous base closure program.

In July 1981, a radiation protection evaluation of 22 buildings and areas was conducted. This study evaluated the current and past use of radioactive material at the camp. Three sites (PRFTA-07, PRFTA-06, and PRFTA-05) were found to have radioactivity, but the levels did not constitute a health hazard.

In June 1991, radiological surveys of the training areas and several additional sites at PRFTA were conducted. Radiation levels above background were not detected in the training areas; however, levels higher than background were detected at one location (PRFTA-06).

PRFTA has undergone one comprehensive installation PA/records research study. It was conducted by Woodward-Clyde (under contract to the USACE, Sacramento District) in April 1994 and finalized in September 1996. The PA found approximately 60 areas that required further investigation. These areas included underground storage tanks (UST) and aboveground storage tanks (AST), surface impoundments, landfills and disposal areas, suspected release sites, and washrack areas on-site. Recommendations were made concerning further investigation and characterization, to determine if any of these sites impacted the soil or groundwater.

In August 1998, the US Army Center for Health Promotion and Preventive Medicine (USACHPPM) completed a relative risk site evaluation (RRSE) to further evaluate AOCs identified in the PA. The results of the RRSE led to a number of site investigations (SI). Subsequent RAs were conducted at three sites. Removal actions were conducted at PARKS 7 (Arsenic Drum Disposal Site) between 1998 and 2008. Corrective action was conducted at PRFTA-13 (Building 761 Former Fuel AST) including soil excavation and groundwater treatment between 2006 and 2007. Between 2012 and 2013, soil and ash were excavated from PRFTA-02 (Building 109 Incinerator). Groundwater monitoring was conducted at all three sites.

## Cleanup Exit Strategy

Residential closure was approved for PARKS 7 in 2009. No further action (NFA) was approved for PRFTA-13 in 2013 under the State Water Resources Control Board's Low-threat Underground Storage Tank Case Closure Policy. The FRA completion report for PRFTA-02 was approved in 2014. In 2013, LUCIPs were drafted for PRFTA-02 and PRFTA-13 due to industrial closures. Long-term monitoring is expected to be completed by 2019. Both PRFTA-02 and PRFTA-13 are expected to be transferred to a private developer within the next five years.

## IRP Previous Studies

Year	Title	Author	Date
1981	Radiation Protection Evaluation No. 28-43-0152-82	PRFTA, USAEHA, APG, MD	JUL-1981
1991	Soil Sample Collected near PRFTA Letter to CPT Contreas, Letterman Army Medical Center, Presidio of San Francisco (PSF)	Robert C. Wren	AUG-1991
1993	Inventory Project Report, Parks Air Force Base	Dynamac Corp., COE, Sacramento District	JAN-1993
	47-Acre Surplus Parcel Preliminary Assessment Screening PRFTA	Woodward Clyde	DEC-1993
	Caltrans Easement Preliminary Assessment Screening PRFTA	Woodward Clyde	DEC-1993
1994	PA for PRFTA, Dublin, CA,	Woodward Clyde, Oakland, CA	MAY-1994
	Regulatory Framework Analysis Report	Woodward Clyde	AUG-1994
	Remedial Investigation Services for Suspected Contamination and UST Sites	Woodward Clyde	SEP-1994
	Work Plan for Tank Removals at Bldgs 770, 1136, and 1180, PRFTA	Woodward Clyde	SEP-1994
	Tank 732-2 Subsurface Investigation at Bldg 732 - Final Report	Woodward Clyde	OCT-1994
1995	Miscellaneous Compliance Actions Project Tenant Environmental Compliance Audits	Woodward Clyde	APR-1995
	Site Characterization Report Bldg 109 UST	Woodward Clyde	JUN-1995
	Site Characterization Report Bldg 109 ASH	Woodward Clyde	SEP-1995
	Phase I Site Assessment, Department of Military, PRFTA	BSK & Associates	OCT-1995
1996	Closure report for Tanks at Bldgs 770, 1135, 1136, and 1180	Woodward Clyde	JAN-1996
	Summary of Tabulated Analytical Results of Woodward Clyde Federal Services Storm Water Sampling Effort	Woodward Clyde	JAN-1996
	Work Plan for Quarterly Groundwater Monitoring at Bldg 109	Woodward Clyde	JAN-1996
1998	Relative Risk Site Evaluation Parks Reserve Forces Training Area Project NO. 38-EH-8204-98	USACHPPM	AUG-1998
1999	Final Sampling Plan Site Inspection - PARKS5, PRFTA-01, PRFTA-02	USACHPPM	MAY-1999
	Work Plan - Arsenic Drum Disposal Site	Roy F. Westin, Inc	NOV-1999
2000	Field Summary Report - Environmental Sampling and Anomaly Investigation at the Arsenic Drum Disposal Site, PARKS-7	Roy F. Weston, Inc	SEP-2000
2001			

## IRP Previous Studies

Year	Title	Author	Date
2001	Site Inspection - Former Fire Training Area	USACHPPM	FEB-2001
	Work Plan - Arsenic Drum Disposal Site Plume Characterization Parks-7	Roy F. Weston, Inc	MAR-2001
	Field Summary Report Plume Characterization at the Arsenic Drum Disposal Site Parks-7	Roy F. Weston, Inc	JUL-2001
2002	Sampling and Analysis Plan Phase 1 Site Inspection Former Fuel ASTs	USACHPPM	MAY-2002
	Site Inspection No. 38-EH-2938-02 Former Tank Farm (PRFTA-13)	USACHPPM	JUL-2002
	Sampling and Analysis Plan Phase 2 Site Inspection Former Tank Farm	USACHPPM	OCT-2002
	Quarterly Groundwater Monitoring Report Fourth Quarter and Summary of All Four Quarterly Data Sets November 2001 to August 2002 Project 38-EH-7209-02	USACHPPM	OCT-2002
2003	Phase 2 Site Inspection No. 38-EH-6665-03 Former Tank Farm (PRFTA-13)	USACHPPM	MAY-2003
	Soil Metals Background Survey at Parks Reserve Forces Training Area (PRFTA)	CH2MHILL	MAY-2003
	Final Engineering Evaluation/Cost Analysis, Arsenic Drum Disposal Site Parks 7	Roy F. Weston, Inc	AUG-2003
2004	Final Environmental Baseline Survey No. 38-EH-3589b, Northern Cantonment	USACHPPM	FEB-2004
	Comprehensive Magnetometer Survey for Underground Storage Tanks at Camp Parks Training Site, Dublin Crossing Project,	Mike Bobbitt & Associates	JUN-2004
	Results of Environmental Sampling in the 187-Acre Real Property Exchange Camp Parks Project 38-EH-003K-04, Phase II	USACHPPM	SEP-2004
	Sampling Results, Phase III Environmental Baseline Survey No. 38-EH-003K-05, 187-Acre Real Property Exchange Camp Parks	USACHPPM	NOV-2004
2005	Comprehensive Magnetometer Survey for Underground Storage Tanks at Camp Parks Training Site, Oakland RPX Project	Mike Bobbitt & Associates	JAN-2005
	Camp Parks Training Site Summary Report Former Fire Training Area	CH2MHill	SEP-2005
2006	Site Investigation Report, PRFTA 13	Kemron Environmental Services and MACTEC Environmental Consulting Inc.	APR-2006
	Health Risk Assessment No. 39-DA-04GJb06 former Building 132	USACHPPM	MAY-2006
	USARC GFPR Corrective Action Plan Former Tank Farm (PRFTA 13)	Kemron Environmental Services and MACTEC Environmental Consulting Inc.	JUL-2006

## IRP Previous Studies

Year	Title	Author	Date
2006	Final Summary Report Removal of Oil Drainage Pit Dublin Crossing Building 730	Environmental Chemical Corporation	OCT-2006
	Final Environmental Baseline Survey and Draft Finding of Suitability to Transfer NASA Warehouse Building 121	USACHPPM	NOV-2006
2007	Soil and Ground-water Sampling Results No. 38-EH-05ELb-06 Building 791 Former Fuel Storage Area	USACHPPM	APR-2007
	Environmental Baseline Survey No. 38-EH-04CU-06 Phase II Northern Cantonment	USACHPPM	APR-2007
	Quarterly Groundwater Monitoring Report First Quarter 2007 Former Tank Farm (PRFTA 13)	Kemron Environmental Services and MACTEC Environmental Consulting Inc.	MAY-2007
	Corrective Action Report Former Tank Farm (PRFTA 13)	Kemron Environmental Services and MACTEC Environmental Consulting Inc.	AUG-2007
	Quarterly Groundwater Monitoring Report Second Quarter 2007 Former Tank Farm (PRFTA 13)	Kemron Environmental Services and MACTEC Environmental Consulting, Inc.	OCT-2007
2008	Quarterly Groundwater Monitoring Report Third Quarter 2007 Former Tank Farm (PRFTA 13)	Kemron Environmental Services and MACTEC Environmental Consulting, Inc.	JAN-2008
	Quarterly Groundwater Monitoring Report Fourth Quarter 2007 Former Tank Farm (PRFTA 13)	Kemron Environmental Services and MACTEC Environmental Consulting, Inc.	MAR-2008
	Quarterly Groundwater Monitoring Report First Quarter 2008 Former Tank Farm (PRFTA 13)	Kemron Environmental Services and MACTEC Environmental Consulting, Inc.	APR-2008
	Final Site Status Report	Kemron/MACTEC	JUN-2008
	Arsenic Tech Memo-PRFTA-13	Kemron/MACTEC	JUN-2008
	Confirmation Soil Boring Installation Work Plan-SAP Addendum-PRFTA-13	Kemron/MACTEC	AUG-2008
	Quarterly Groundwater Monitoring Report-Second Quarter-PRFTA-13	Kemron/MACTEC	SEP-2008
	CAP Addendum-Former Tank Farm (PRFTA-13)	Kemron/MACTEC	OCT-2008
	Quarterly Groundwater Monitoring Report-Third Quarter-PRFTA-13	Kemron/MACTEC	DEC-2008
	2009	Site Status Report Former Tank Farm (PRFTA 13)	KEMRON/MACTEC
Remedial Investigation/Feasibility Study No. 38-EH-077T-07 Former Building 109 Incinerator		USACHPPM	APR-2009
Final Groundwater Sampling Report No. 38-EH-07A8b-07 Southeast Quadrant Area		USACHPPM	AUG-2009
2010			



## IRP Previous Studies

	<b>Title</b>	<b>Author</b>	<b>Date</b>
<b>2010</b>	Environmental Baseline Survey for 187 acre Exchange Parks Reserve Forces Training Area	USACHPPM	JUN-2010
	Final Environmental Condition of Property Report for the Dublin Crossing (Formerly the 180-acre) Real Property Exchange Area	Public Health Command	JUN-2010
	Final Backfill Soil Sampling Results for PRFTA-02	URS Group, Inc.	SEP-2010
	Proposed Plan for Installation Restoration Site PRFTA-02, US Army Garrison Camp Parks	URS Group, Inc.	NOV-2010
<b>2011</b>	Final Evaluation of Remedial Goals Technical Memorandum PRFTA-02	URS Group, Inc.	NOV-2011
<b>2012</b>	Final Record of Decision IRP Site PRFTA-02	URS Group, Inc.	JUN-2012
	Final Remedial Design/Removal Action Work Plan IRP Site PRFTA-02	URS Group, Inc.	JUL-2012
<b>2014</b>	Final Annual Groundwater Monitoring Report IRP Site PRFTA-02	URS Group, Inc.	MAY-2014
	Final Removal Action Completion Report IRP Site PRFTA-02	URS Group, Inc.	MAY-2014

# **PARKS RESERVE FORCES TRAINING AREA**

## **Installation Restoration Program**

### **Site Descriptions**

**Site ID: PRFTA-02**  
**Site Name: B-109 INCINERATOR**

**STATUS**

**Regulatory Driver:** CERCLA  
**RRSE:** MEDIUM  
 Contaminants of Concern: Metals, Volatiles (VOC)  
 Media of Concern: Groundwater, Soil

Phases	Start	End
PA.....	199402.....	199405
SI.....	199809.....	200002
RI/FS.....	200308.....	201004
RD.....	201004.....	201207
RA(C).....	201207.....	201506
LTM.....	201506.....	201906
<b>RIP Date:</b>	N/A	
<b>RC Date:</b>	201506	

**SITE DESCRIPTION**

This site contained the remains of Building (Bldg) 109. Prior to its demolition, Bldg 109 was a trash incinerator. The remaining structures consisted of a heavily reinforced foundation of poured concrete construction including minor brick and mortar. The foundation structures included the ash containment cell, which was approximately 20 ft by 20 ft by five ft, and the incinerator exhaust stack base. In mid-March 1994, during building demolition and removal activities, a previously unknown UST was discovered and damaged. An unknown amount of fuel was released into the excavation from the tank which had held between 5,000 and 10,000 gallons. The majority of the fuel released into the excavation area was removed by a vacuum truck; however, product was observed in the excavation after the fuel removal activities were concluded, and was subsequently detected in groundwater samples. Soil was also removed. Three monitoring wells were placed close to the spill area and monitored on a quarterly basis. Alameda County agreed in 1997 that no further water quality tasks were required resulting from the UST release. A UST-case closure was issued by Alameda County in 2001.

Ash was observed in a trench during the demolition and fuel recovery operations. Subsequent investigations led to the detection of various accumulations of ash waste material in the walls of the excavations, soil borings and monitoring wells. Building 109 was identified on a 1945 facility drawing that defined a trash pit and scrap area, to the south of the building. In spring 1999, USACHPPM conducted soil and groundwater sampling. Three new groundwater monitoring wells were installed during this field effort. Sampling results indicated elevated levels of arsenic in the groundwater and soil; however, arsenic occurs naturally at elevated levels at PRFTA. Four quarters of groundwater monitoring were completed.

When this project was initiated, debris related to incinerator process waste (ash), was assumed ineligible for Environmental Restoration, Army (ER,A) funding. Historical research indicated that incinerator operations ceased in the 1950s, which made it eligible for ER,A funding. Environmental compliance funds (funding code for environmental compliance) were used prior to this determination. An FS was finalized in fiscal year (FY)10, indicating the need for excavation. The final ROD was signed in July 2012.

The remedial action (construction) [RA(C)] phase began in July 2012 soon after the ROD was signed. The excavation was completed in January, 2013. Confirmation sample results indicated that the remedial action objectives (RAO) were met with the exception of one area, represented by one sample collected at 11 ft, where the excavation hit the groundwater table. Excavation below that point was not practical. The backfilling was complete in February 2013. Wells were subsequently installed and groundwater monitoring began in April 2013. Four monitoring rounds were completed by mid-January 2014. A report on the groundwater monitoring was published in May 2014. The final removal action completion report was also published in May 2014. The wells were abandoned in June 2015. A closure certification was signed by the DTSC in June 2015. No further remedial action is required.

**CLEANUP/EXIT STRATEGY**

**Site ID: PRFTA-02**  
**Site Name: B-109 INCINERATOR**

This area is scheduled to be part of the land exchange at PRFTA. A draft finding of suitability to transfer (FOST) has been prepared. LUCs are required for the site restricting use to commercial or industrial purposes due to residual contamination remaining at site closure.

**Site ID: PRFTA-13**  
**Site Name: BLDG 761 FORMER FUEL AST**

**STATUS**

**Regulatory Driver:** RCRA

**RRSE:** LOW

Contaminants of Concern: Semi-volatiles (SVOC), Volatiles (VOC)

Media of Concern: Groundwater

Phases	Start	End
ISC.....	200111.....	200201
INV.....	200210.....	200308
DES.....	200308.....	200409
IMP(C).....	200308.....	200703
IMP(O).....	200308.....	201310
LTM.....	201409.....	201909

**RIP Date:** 200703

**RC Date:** 201310

**SITE DESCRIPTION**

PRFTA-13 comprises approximately 3 acres west of Fernandez and south of 4th Street. Formerly, the site was used as an AST fuel storage and dispensing area. A storm water swale lies along the northwest boundary. In the 1957 and 1976 aerial photographs, there appear to be three ASTs in the same configuration and same location. The site is currently flat and is heavily vegetated with grass. Although there were no reported or documented spills, the heavy use of the dispensing area warranted investigation. In August 1998 USACHPPM collected and analyzed soil samples. Trace amounts of toluene were detected. The local sewer district hit a plume of diesel while excavating and trenching southeast of the site. Soil samples at eight ft and 12 ft below ground surface (bgs) were 140 and 470 parts per million of total petroleum hydrocarbon diesel range hydrocarbons, respectively. The groundwater has been impacted.

An SI from 2002 found one volatile organic compound (VOC) and three semi-volatile organic compounds (SVOC) above California Regional Water Quality Control Board (RWQCB) risk-based screening levels.

In 2004, PRFTA-13 was added to the Army Reserve performance-based acquisition contract. Soil and groundwater sampling were conducted at that time to further characterize and delineate the extent of contamination.

In September 2006, a corrective action plan (CAP) was developed and approved by the California RWQCB and the Army, and in January 2007 a soil RA [(1,200 cubic yards)] was completed at this site. In situ treatment of the soil water interface began in March 2007 and in that month four monitoring wells were installed and baseline samples were collected from five wells (four new wells and one existing well). Quarterly monitoring continued and in FY08 soil sampling/evaluation of treatment results was completed. The site was closed in 2013 under the State Water Resources Control Board Low-threat Underground Storage Tank Case Closure Policy. LUCs are required restricting land use to industrial or commercial purposes due to soil contamination remaining in the vicinity of a fiber-optic cable on the eastern side of the site and diesel-impacted groundwater above environmental screening levels. Groundwater cannot be extracted in the vicinity of this site due to the diesel contamination.

**CLEANUP/EXIT STRATEGY**

This area is scheduled to be part of the land exchange at PRFTA. A draft FOST has been prepared. LUCs are required for the site restricting use to commercial or industrial purposes due to the fact that concentrations in some confirmation samples collected after the soil removal were above levels for residential use.

## Site Closeout (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
PARKS3	Former Haz Waste Accumulation Area	200608	NFA letter dated Aug. 31, 2006.
PARKS5	FIRE TRAINING AREA	200509	
PARKS7	DRUM DISPOSAL SITE	200907	NFA Letter from DTSC dated July 28, 2009
PRFTA-01	TASSAJARA FLOOD PLAIN DISPOSAL TRENCHES	200006	This site is now tracked as CCPRFTA-01. There are future phases for restoration of CCPRFTA-01.
PRFTA-03	B-791 REFUELING AREA	201001	NFA Letter from RWQCB dated Jan. 14, 2010.

# IRP Schedule

**Date of IRP Inception:** 199309

## Past Phase Completion Milestones

### 1994

PA (PARKS3 - Former Haz Waste Accumulation Area, PARKS5 - FIRE TRAINING AREA, PRFTA-01 - TASSAJARA FLOOD PLAIN DISPOSAL TRENCHES, PRFTA-02 - B-109 INCINERATOR, PRFTA-03 - B-791 REFUELING AREA)

### 1998

PA (PARKS7 - DRUM DISPOSAL SITE)

SI (PARKS7 - DRUM DISPOSAL SITE)

### 2000

SI (PRFTA-01 - TASSAJARA FLOOD PLAIN DISPOSAL TRENCHES, PRFTA-02 - B-109 INCINERATOR)

### 2001

RI/FS (PARKS7 - DRUM DISPOSAL SITE)

SI (PARKS5 - FIRE TRAINING AREA)

### 2002

ISC (PRFTA-13 - BLDG 761 FORMER FUEL AST)

### 2003

INV (PRFTA-13 - BLDG 761 FORMER FUEL AST)

### 2004

DES (PRFTA-13 - BLDG 761 FORMER FUEL AST)

### 2005

RI/FS (PARKS5 - FIRE TRAINING AREA)

### 2006

RI/FS (PARKS3 - Former Haz Waste Accumulation Area)

### 2007

IMP(C) (PRFTA-13 - BLDG 761 FORMER FUEL AST)

### 2009

RA(C) (PARKS7 - DRUM DISPOSAL SITE)

### 2010

RI/FS (PRFTA-02 - B-109 INCINERATOR, PRFTA-03 - B-791 REFUELING AREA)

### 2012

RD (PRFTA-02 - B-109 INCINERATOR)

### 2014

IMP(O) (PRFTA-13 - BLDG 761 FORMER FUEL AST)

### 2015

RA(C) (PRFTA-02 - B-109 INCINERATOR)

## 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
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## IRP Schedule

**Final RA(C) Completion Date:** 201506

**Schedule for Next Five-Year Review:** 2017

**Estimated Completion Date of IRP at Installation (including LTM phase):** 201909



## PARKS RESERVE FORCES TRAINING AREA IRP Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY17	FY18	FY19	FY20	FY21	FY22+
PRFTA-02	B-109 INCINERATOR	LTM						
SITE ID	SITE NAME	PHASE	FY17	FY18	FY19	FY20	FY21	FY22+
PRFTA-13	BLDG 761 FORMER FUEL AST	LTM						

**PARKS RESERVE FORCES TRAINING AREA**  
**Army Defense Environmental Restoration Program**  
**Military Munitions Response Program**

# MMRP Summary

**Installation Total Army Environmental Database-Restoration (AEDB-R) Sites/Closeout Sites Count:** 7/6

**Installation Site Types with Future and/or Underway Phases**

1 Small Arms Range  
(PRFTA-007-R-01)

**Most Widespread Contaminants of Concern**

Munitions and explosives of concern (MEC), Munitions constituents (MC)

**Media of Concern**

Soil

**Completed Remedial Actions (Interim Remedial Actions/ Final Remedial Actions (IRA/FRA))**

Site ID	Site Name	Action	Remedy	FY
N/A				

**Duration of MMRP**

**Date of MMRP Inception** 200206

**Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC):** 201701/201701

**Date of MMRP completion including Long Term Management (LTM):** 201701

# MMRP Contamination Assessment

## **Contamination Assessment Overview**

The Area B series ranges were active between the 1940s and 2009. An archival search report/investigation was completed in 2003. An historical records review was completed in 2007. An SI was conducted for the off-post range fans associated with the Area B series ranges. A remedial investigation (RI) conducted at the Area B ranges in 2011 indicated that the site required further action pending deactivation. An FS was prepared in 2012 and revised in 2013. An LUCIP was prepared in 2013.

## **Cleanup Exit Strategy**

Completion of the FS is anticipated by the end of September 2017.

Remediation is currently on hold because the installation is planning to reactivate at least part of the Area B range.

## MMRP Previous Studies

	<b>Title</b>	<b>Author</b>	<b>Date</b>
<b>2003</b>	Ordnance and Explosives Archives Search Report	USACE	JAN-2003
<b>2007</b>	Historical Records Review MMRP Camp Parks	URS Group, Inc.	SEP-2007
<b>2008</b>	Final Site Investigation Camp Parks, Dublin, CA Military Response Program	URS	SEP-2008
<b>2010</b>	Explosive Site Plan PRFTA-007-R-01	URS	APR-2010
	Final Remedial Investigation Work Plan PRFTA-007-R-01	URS	DEC-2010
<b>2012</b>	Final Remedial Investigation Report Military Munitions Response Program Munitions Response Site PRFTA-007-R-01	URS Group, Inc.	MAR-2012
<b>2013</b>	Final Action Memorandum Land Use Controls	URS Group, Inc.	APR-2013
	Final Non-Time Critical Removal Action Land Use Control Plan	URS Group, Inc.	DEC-2013
<b>2014</b>	Final Feasibility Study Report for Camp Parks RFTA Area B Small Arms and Machine Gun Range (PRFTA-007-R-01)	Sacramento USACE	OCT-2014

# **PARKS RESERVE FORCES TRAINING AREA**

## **Military Munitions Response Program**

### **Site Descriptions**

**Site ID: PRFTA-007-R-01**  
**Site Name: Area B Small Arms Ranges**

**STATUS**

**Regulatory Driver:** CERCLA  
**MRSP Score:** Evaluation pending  
**Contaminants of Concern:** Munitions constituents (MC)  
**Media of Concern:** Soil

<b>Phases</b>	<b>Start</b>	<b>End</b>
PA.....	200206.....	200304
SI.....	200206.....	200709
RI/FS.....	200912.....	201701
<b>RIP Date:</b>	N/A	
<b>RC Date:</b>	201701	

**SITE DESCRIPTION**

The Area B munitions response site (MRS) is an approximately 165-acre former training range that was deactivated in 2009. Access to the area is limited by fencing and gates that are closed during nonworking hours.

**CLEANUP/EXIT STRATEGY**

Remediation of the site is on hold pending Army Reserve plans to reopen four of the firing ranges.

## Site Closeout (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
PRFTA-001-R-01	ARTILLERY SIMULATOR BOX	200809	Recommended for NFA in the September 2008 Final SI Report
PRFTA-002-R-01	CANTONMENT AREA MOUT	200809	Recommended for NFA in the September 2008 Final SI Report
PRFTA-003-R-01	EASTERN RIFLE RANGE	200809	Recommended for NFA in the September 2008 Final SI Report
PRFTA-004-R-01	MORTAR RANGE	200809	Recommended for NFA in the September 2008 Final SI Report
PRFTA-005-R-01	Machine Gun Range	200809	Recommended for NFA in the September 2008 Final SI Report
PRFTA-006-R-01	Rifle Range	200809	Recommended for NFA in the September 2008 Final SI Report



# MMRP Schedule

**Date of MMRP Inception** 200206

## **Past Phase Completion Milestones**

### **2003**

PA (PRFTA-001-R-01 - ARTILLERY SIMULATOR BOX, PRFTA-002-R-01 - CANTONMENT AREA MOUT, PRFTA-003-R-01 - EASTERN RIFLE RANGE, PRFTA-004-R-01 - MORTAR RANGE, PRFTA-005-R-01 - Machine Gun Range, PRFTA-006-R-01 - Rifle Range, PRFTA-007-R-01 - Area B Small Arms Ranges)

### **2007**

SI (PRFTA-007-R-01 - Area B Small Arms Ranges)

### **2008**

SI (PRFTA-001-R-01 - ARTILLERY SIMULATOR BOX, PRFTA-002-R-01 - CANTONMENT AREA MOUT, PRFTA-003-R-01 - EASTERN RIFLE RANGE, PRFTA-004-R-01 - MORTAR RANGE, PRFTA-005-R-01 - Machine Gun Range, PRFTA-006-R-01 - Rifle Range)

## **Additional Past Phase Completion Milestones**

2012 Final Remedial Investigation Report Military Munitions Response Program Munitions Response Site PRFTA-007-R-01

## **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:**

**Schedule for Next Five-Year Review:** 2017

**Estimated Completion Date of MMRP at Installation (including LTM phase):** 201701

# PARKS RESERVE FORCES TRAINING AREA MMRP Schedule

  = phase underway

SITE ID	SITE NAME	PHASE	FY17	FY18	FY19	FY20	FY21	FY22+
PRFTA-007-R-01	Area B Small Arms Ranges	RI/FS						

**PARKS RESERVE FORCES TRAINING AREA**  
**Army Defense Environmental Restoration Program**  
**Compliance Restoration**

## CR Summary

**Installation Total Army Environmental Database-Restoration (AEDB-R) Sites/Closeout Sites Count:** 6/4

### Installation Site Types with Future and/or Underway Phases

1 Burn Area  
(CCPRFTA-06)  
1 Landfill  
(CCPRFTA-01)

### Most Widespread Contaminants of Concern

Metals, Other (PCBs, dioxins/furans)

### Media of Concern

Soil

### Completed Remedial Actions (Interim Remedial Actions/ Final Remedial Actions (IRA/FRA))

Site ID	Site Name	Action	Remedy	FY
N/A				

### Duration of CR

**Date of CR Inception:** 199309

**Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC):** 201712/201712

**Date of CR completion including Long Term Management (LTM):** 202007

# CR Contamination Assessment

## Contamination Assessment Overview

The Tassajara Disposal Trenches (CCPRFTA-01) and Burn Pits (CCPRFTA-06) are located in the southeastern corner of the range. Both sites were first identified in a 1994 PA by Woodward Clyde.

In the 1950s and 1960s, following the Navy's tenure, the CCPRFTA-01 site was used as a landfill. The area is currently part of an operational range (Area M) used as a bivouac area. This landfill is inactive and consists of four buried disposal trenches. Some debris is visible. Data for the site is contained in the following documents based on investigations conducted by the Public Health Command formerly known as the USACHPPM.

- A 1999 SI: Wells were installed during this phase and groundwater samples were analyzed.
- A Phase I RI completed in 2009 and a Phase II RI completed in 2010. Geophysical surveys and confirmatory excavations have observed primarily municipal and former Navy hospital construction debris throughout the area. Metals are the primary contaminants of concern (COC).
- A Phase III RI completed in July 2012.

There are 17 groundwater monitoring wells at the site. Previous soil and groundwater data for CCPRFTA-01 is contained in the Phase I and Phase III RIs. The Phase II RI only contains geophysical data.

The Draft Final FS was published in March 2015.

### Trench 1A

Previous sample results indicate that lead is present above industrial risk standards (320 milligrams per kilogram (mg/kg)) at a concentration of 1,100 mg/kg. The elevated lead is co-located with elevated zinc and cadmium. The combination is indicative of lead-based paint. There is also an elevated polychlorinated biphenyl (PCB) result (35 mg/kg) well above industrial risk standards (0.74 mg/kg).

### Trench 1B

This trench is presumably the continuation of Trench 1A, which only appears to terminate due to a road constructed through it. Trench 1B continues on the other side of that gravel road. The landfill materials are assumed to be similar in content to materials which will be found in Trench 1A.

The Burn Pits site (CCPRFTA-06) was first identified in a 1994 PA conducted by Woodward Clyde and investigated further in a 1998 RRSE by USACHPPM. An RI was conducted by URS in 2012 for COCs in soil and groundwater. The final RI report was published in 2013. Four temporary wells were installed during the RI and properly abandoned at the end of the RI. The burn pits are adjacent to each other separated by 15 feet high soil berms. Each burn pit is approximately 100 ft by 100 ft. The two burn pits are several hundred yards west of the Tassajara Landfill (CCPRFTA-01). Shallow groundwater is more than 25 ft bgs while the potable water aquifer is 100 to 800 ft bgs. The RRSE report indicates no connection between the shallow groundwater and the potable aquifer due to the low permeability clay; however, DTSC disputes this statement. The COCs in soil that pose unacceptable risks to future use include lead and dioxins/furans concentrated in ash waste at the site. Nitrates have been detected in groundwater. Characteristics of the waste include red and black particles with glass shards. Waste was found under the floor of the waste cells and is present in the berms separating the burn cells and in the slope behind the cells.

## Cleanup Exit Strategy

Following completion of FSs at CCPRFTA-01 and CCPRFTA-06, predicted remedies are excavation and disposal at both sites beginning in 2016.

## CR Previous Studies

	<b>Title</b>	<b>Author</b>	<b>Date</b>
<b>1994</b>	Preliminary Assessment Parks Reserve Forces Training Area	Woodward Clyde	MAY-1994
<b>2000</b>	Site Inspection No. 38-EH-8703-99 Tassajara Creek Disposal Trenches and Building 109 Incinerator	USACHPPM	JUN-2000
<b>2001</b>	Magnetometer Survey and Electrical Impedance Tomography Tassajara Creek Disposal Trenches and the Building 109 Incinerator Areas	Roy F. Weston	JUL-2001
<b>2012</b>	Phase I Results Geophysical Survey, Subsurface-Soil Sampling, and Ground-Water Sampling No. 38-EH-08VF-10 Tassajara Creek Disposal Trenches	USACHPPM	JAN-2012
	Phase II Results Geophysical Survey No. 38-EH-0D0C-10	Public Health command	JAN-2012
<b>2013</b>	Draft Final Report Phase III Investigation No. S.0001327-12 Tassajara Creek Site	Public Health Command	MAR-2013
	Final Remedial Investigation Report CCPARKS 1, CCPARKS 6, and CCPRFTA-06	URS Group, Inc.	SEP-2013
<b>2014</b>	Final Decision Document to Support No Further Action Site CCPARKS 1	Sacramento USACE	SEP-2014
	Final Decision Document to Support No Further Action Site CCPARKS 6	Sacramento USACE	SEP-2014
<b>2015</b>	Draft Final Feasibility Study Report Tassajara Creek Site	Camp Parks Environmental Division	MAR-2015
	Final Feasibility Study Report for the Camp Parks Burn Pits (CCPRFTA-06)	Sacramento USACE	APR-2015

# **PARKS RESERVE FORCES TRAINING AREA**

## **Compliance Restoration**

### **Site Descriptions**

**Site ID: CCPRFTA-01**

**Site Name: Tassajara Flood Plain Disposal Trenches**

**STATUS**

**Regulatory Driver:** CERCLA

Contaminants of Concern: Metals, Polychlorinated Biphenyls (PCB)

Media of Concern: Soil

<b>Phases</b>	<b>Start</b>	<b>End</b>
PA.....	199309.....	199405
SI.....	199905.....	200107
RI/FS.....	200910.....	201712

**RIP Date:** N/A

**RC Date:** 201712

**SITE DESCRIPTION**

In the 1950s and 1960s, following the Navy's tenure, the CCPRFTA-01 site was used as a landfill. The area is currently part of an operational range (Area M) used as a bivouac area. This landfill is inactive and consists of four buried disposal trenches. Some debris is visible. Data for the site are contained in the following documents based on investigations conducted by USACHPPM. An SI was conducted in 1999. Wells were installed during this phase and groundwater samples were analyzed. A Phase I RI was completed in 2009 and a Phase II RI was completed in 2010. Geophysical surveys and confirmatory excavations have observed primarily municipal and former Navy Hospital construction debris throughout the area. Metals are the primary COCs. The Phase III RI was completed in July 2012.

There are 17 groundwater monitoring wells at the site. Previous soil and groundwater data for CCPRFTA-01 are contained in the Phase I and Phase III RIs. The Phase II RI only contains geophysical data.

The FS was submitted for regulatory review in 2015. Regulatory comments were received and responses to comments were written.

**Trench 1A**

Previous sample results indicate that lead is present above industrial risk standards (320 mg/kg) at a concentration of 1,100 mg/kg. The elevated lead is co-located with elevated zinc and cadmium. The combination is indicative of lead-based paint. There is also an elevated PCB result (35 mg/kg) well above industrial risk standards (0.74 mg/kg).

**Trench 1B**

This trench is presumably the continuation of Trench 1A, which only appears to terminate due to a road constructed through it. Trench 1B continues on the other side of that gravel road. The landfill materials are assumed to be similar in content to materials which will be found in Trench 1A.

Groundwater sample results do not indicate leaching of waste. Remediation of this site will be reevaluated in FY17.

**CLEANUP/EXIT STRATEGY**

Removal of the contents of trenches 1A and 1B and successful confirmation sample results following removal should enable unrestricted use of the site. The 17 groundwater monitoring wells will need to be decommissioned.



**STATUS**

**Regulatory Driver:** CERCLA  
**Contaminants of Concern:** Dioxins/Dibenzofurans, Metals  
**Media of Concern:** Soil

<b>Phases</b>	<b>Start</b>	<b>End</b>
PA.....	199309.....	199405
SI.....	199804.....	199808
RI/FS.....	201103.....	201606
RD.....	201603.....	201609
RA(C).....	201610.....	201707
LTM.....	201707.....	202007
<b>RIP Date:</b>	N/A	
<b>RC Date:</b>	201707	

**SITE DESCRIPTION**

The Burn Pits site was first identified in a 1994 PA by Woodward Clyde and investigated further in a 1998 RRSE by USACHPPM. An RI was conducted by URS in 2012 for COCs in soil and groundwater. The final RI report was published in 2013. Four temporary wells were installed during the RI and properly abandoned per Zone 7 regulations at the end of the RI. The burn pits are adjacent to each other separated by 15 ft high soil berms. Each burn pit is approximately 100 f by 100 ft. The two burn pits are several hundred yards west of the Tassajara Landfill (CCPRFTA-01). Shallow groundwater is more than 25 ft bgs while the drinking water aquifer is 100-800 ft bgs. The RRSE report indicates no connection between the shallow groundwater and the potable aquifer due to the low permeability clay. However, DTSC disputes this statement. The COCs in soil that pose unacceptable risks to future use include lead and dioxins/furans concentrated in ash waste at the site. Nitrates have been detected in groundwater. Characteristics of the waste include red and black particles with glass shards. Waste was found under the floor of the waste cells and is present in the berms separating the burn cells and in the slope behind the cells. The FS was published in 2015. The proposed plan and fact sheet were published in February 2016. The ROD is expected to be approved in 2016 following regulatory and public review. Remediation is expected to be completed in 2017.

**CLEANUP/EXIT STRATEGY**

Removal of ash waste and associated soil and transportation of waste to an off-post permitted landfill and successful confirmation sample results should allow closure of the site.

## Site Closeout (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
CCEVANS00N	Evans Ave 319th Signal Corps	201001	No further action letter from the RWQCB issued January 14, 2010. DTSC concurred in a letter dated January 20, 2012.
CCPARKS 1	Chemical Burn Area	201409	Final Decision Document for No Further Action
CCPARKS 6	Davilla Dam Disposal Piles	201409	Final Decision Document for No Further Action
CCPRFTSCDB	SE Corner of Dublin Crossing	201201	No Further Action letter by DTSC issued May 28, 2009. No Further Action reiterated by DTSC on January 20, 2012.

# CR Schedule

**Date of CR Inception:** 199309

**Past Phase Completion Milestones**

**1994**

PA (CCPARKS 1 - Chemical Burn Area, CCPARKS 6 - Davilla Dam Disposal Piles, CCPRFTA-01 - Tassajara Flood Plain Disposal Trenches, CCPRFTA-06 - Burn Pits, CCPRFTSCDB - SE Corner of Dublin Crossing)

**1998**

SI (CCPARKS 1 - Chemical Burn Area, CCPARKS 6 - Davilla Dam Disposal Piles, CCPRFTA-06 - Burn Pits)

**2001**

SI (CCPRFTA-01 - Tassajara Flood Plain Disposal Trenches)

**2003**

ISC (CCEVANS00N - Evans Ave 319th Signal Corps )

**2009**

SI (CCPRFTSCDB - SE Corner of Dublin Crossing)

**2010**

INV (CCEVANS00N - Evans Ave 319th Signal Corps )

**2014**

RI/FS (CCPARKS 1 - Chemical Burn Area, CCPARKS 6 - Davilla Dam Disposal Piles)

**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
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**Final RA(C) Completion Date:** 201707

**Schedule for Next Five-Year Review:** 2017

**Estimated Completion Date of CR at Installation (including LTM phase):** 202007

## PARKS RESERVE FORCES TRAINING AREA CR Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY17	FY18	FY19	FY20	FY21	FY22+
CCPRFTA-01	Tassajara Flood Plain Disposal Trenches	RI/FS						
SITE ID	SITE NAME	PHASE	FY17	FY18	FY19	FY20	FY21	FY22+
CCPRFTA-06	Burn Pits	RA(C)						
		LTM						

## Community Involvement

**Technical Review Committee (TRC):** None

**Community Involvement Plan (Date Published):** 201210

**Restoration Advisory Board (RAB):** No

**Reason Not Established:** Installation is in the process of determining interest in establishing a RAB.

### **Additional Community Involvement Information**

The community will continue to be informed of cleanup progress per the public participation plan addendum. Solicitation for interest in a RAB will be performed again in 2016.

To request an electronic copy of this document please e-mail:  
usarmy.parks.imcom-central.list.cpar-pao@mail.mil

### **Administrative Record is located at**

Camp Parks Environmental Office  
Bldg. 791, 5th Street,  
Dublin CA 94568  
(925) 875-4682

### **Information Repository is located at**

Alameda County Dublin Library  
200 Civic Plaza  
Dublin, CA 94568  
(925) 828-1315

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

**TAPP Title:** N/A

**Potential TAPP:** N/A

