

FORT ORD

Army Cleanup Program

Installation Action Plan

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ACRONYMS

Acronym	Definition
µg/kg	micrograms per kilogram
µg/L	microgram per liter
µg/m ³	micrograms per cubic meter
AEDB-R	Army Environmental Database – Restoration
BLM	Bureau of Land Management
BRAC	Base Realignment and Closure
CBR	Chemical, Biological and Radiological
CC	Compliance-related Cleanup
CCRWQCB	Central Coast Regional Water Quality Control Board
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
CSUMB	California California State University, Monterey Bay
CT	Carbon Tetrachloride
DD	Decision Document
DTSC	California Department of Toxic Substances Control
EISB	Enhanced <i>In-Situ</i> Bioremediation
ENV	Environmental
EOD	Explosive Ordnance Disposal
ESCA	Environmental Services Cooperative Agreement
ESD	Explanation of Significant Differences
FORA	Fort Ord Reuse Authority
FRA	Final Remedial Action
FS	Feasibility Study
FY	Fiscal year
GWTP	Groundwater Treatment Plant
HA	Historical Areas
HQAES	Headquarters Army Environmental System
HRP	Habitat Management Plan
IA	Interim Action

Acronym	Definition
IR	Installation Restoration
LTM	Long-Term Management
LUC	Land Use Control
MC	Munitions Constituents
MEC	Munitions and Explosives of Concern
mg/kg	Milligrams Per Kilogram
MMRP	Military Munitions Response Program
MNA	Monitored Natural Attenuation
MR	Munitions Response
MRS	Munitions Response Site
MRSP	Munitions Response Site Prioritization Protocol
NFA	No Further Action
OU	Operable Unit
PCE	Tetrachloroethylene
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctane Sulfonate
POL	Petroleum, Oil, And Lubricants
RA	Remedial Action
RA(C)	Remedial Action (Construction)
RACR	Remedial Action Completion Report
RAB	Restoration Advisory Board
RC	Response Complete
RCRA	Resource Conservation and Recovery Act of 1976
RD	Remedial Design
RIP	Remedy-In-Place
ROD	Record of Decision
RRSE	Relative Risk Site Evaluation
SI	Site Inspection
SVE	Soil Vapor Extraction
TCE	Trichloroethylene

Acronym	Definition
TRC	Technical Review Committee
USEPA	US Environmental Protection Agency
UST	Underground Storage Tank
UXO	Unexploded Ordnance
WBS	Work Breakdown Structure

PHASE TRANSLATION TABLE

HQAES Phase ID	CERCLA Phase	RCRA Phase	RCRA UST Phase
.01	Preliminary Assessment (PA)	RCRA Facility Assessment (RFA)	Initial Site Characterization (ISC)
.02	Site Inspection (SI)	Confirmation Sampling (CS)	Investigation (INV)
.03	Remedial Investigation/ Feasibility Study (RI/FS)	RCRA Facility Investigation/Corrective Measures Study (RFI/CMS)	Corrective Action Plan (CAP)
.04	Remedial Design (RD)	Design (DES)	Design
.05	Interim Remedial Action (IRA)	Interim Measure (IM)	Interim Remedial Action (IRA)
.06	Remedial Action Construction) (RA(C))	Corrective Measures Implementation (CMI(C))	Implementation (Construction) (IMP(C))
.07	Remedial Action (Operation) (RA(O))	Corrective Measures Implementation (Operation) (CMI(O))	Implementation (Operations) (IMP(O))
.08	Long-Term Management (LTM)	Long-Term Management (LTM)	Long-Term Management (LTM)

SITE ALIAS LIST

WBS Element	AEDB-R Reference	Site Alias
1267A.1012	FTO-012_SITE 12 DOL AUTO MAINT. AREA/CAN	FTO-2/12
1267A.1039	FTO-039_SITE 39 INLAND RANGES	FTO-039
1267A.1043	FTO-041_SITE 41 FAAF FIRE DRILL AREA (OU	FTO-041
1267A.1045	FTO-044_RESERVATION ROAD SITE	OU-CTP
1267A.1046	FTO-053_LANDFILL (OU2)	FTO-053
1267A.1049	FTO-004-R-01_BLM-NORTH	--
1267A.1051	FTO-007-R-01_CSUMB	--
1267A.1053	FTO-005-R-01_BLM-NORTH- XD	--
1267A.1054	FTO-010-R-01_EAST GARRISON	--
1267A.1055	FTO-011-R-01_EAST GARRISON-OTHER	--
1267A.1060	FTO-016-R-01_MULTI-USE RANGE AREA - IA	--
1267A.1061	FTO-014-R-01_MULTI-USE RANGE AREA - BLM	--
1267A.1062	FTO-015-R-01_MULTI-USE RANGE AREA - DRO	--
1267A.1063	FTO-018-R-01_MULTI-USE RANGE AREA - SEA	--
1267A.1064	FTO-019-R-01_MULTI-USE RANGE AREA - SOUT	--
1267A.1065	FTO-017-R-01_MULTI-USE RANGE AREA - OB/O	FTO-005
1267A.1066	FTO-020-R-01_PARKER FLATS	--
1267A.1067	FTO-022-R-01_SOUTH RANGE AREA	--
1267A.1068	FTO-001-R-01_BLM-EAST	--
1267A.1069	FTO-002-R-01_BLM-EAST OTHER	--

FORT ORD

INSTALLATION RESTORATION PROGRAM SITES

FTO-012_SITE 12 DOL AUTO MAINT. AREA (SITES 2/12)

WBS Element: 1267A.1012

Alias: FTO-2/12

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 9/15/1999

RC Date: 9/15/2019

RC Reason: Not assigned

Program: Base Realignment and Closure

Subprogram: IR

Cost-to-Complete: \$2,429,259.76

Phases	Start	End
PA	6/15/1990	12/15/1990
SI	6/15/1990	12/15/1990
R/FS	6/15/1990	10/15/1995
RD	7/15/1995	12/15/1997
IRA	--	--
RA(C)	12/15/1996	9/15/1999
RA(O)	12/15/1999	9/15/2019
LTM	9/15/2019	9/15/2024

Site Narrative

Groundwater contamination in this former motor pool was discovered in 1989. Monitoring of chemicals of concern, primarily trichloroethylene (TCE), began in 1992. The 1997 record of decision (ROD) identified the remedy as groundwater extraction, treatment, and reinjection, which began in 1999. The property has been transferred and is now used as a shopping mall. In 2011, monitoring results identified an increase of tetrachloroethylene (PCE) in groundwater. A soil gas investigation showed PCE at concentrations up to 1,700 micrograms per cubic meter (ug/m³) and TCE at concentrations up to 2,400 ug/m³ near the ground surface and next to commercial structures. A soil gas investigation and pilot study was conducted in fiscal year (FY) 14 that resulted in additional groundwater monitoring wells and soil gas probes. Per the 2015 explanation of significant differences (ESD), soil vapor extraction and treatment system and one additional groundwater extraction well were installed as an extension to the groundwater treatment system. The ESD also revised aquifer cleanup level for PCE from 3.0 micrograms per liter (µg/L) to 5.0 µg/L; and adopted the soil gas cleanup levels of 1,800 µg/m³ for PCE and 1,000 µg/m³ for TCE. In 2017, monitoring showed three of eight contaminants of concern (Chloroform, PCE, and TCE) with concentrations exceeding their respective aquifer cleanup levels. Operations of both soil vapor extraction and treatment systems and groundwater treatment system will continue to address and capture the PCE groundwater plume. Strategy: Continue operation of soil vapor extraction and treatment system and groundwater treatment system through FY19 or until remedial action objectives are met. After objectives are met, conduct one year of attainment monitoring. Following regulatory approval of attainment monitoring results, begin site closure process and perform baseline habitat survey before well abandonment. Continue monitoring for three more years (FY22 to FY24) for post-well abandonment habitat surveys.

FTO-039_SITE 39 INLAND RANGES

WBS Element: 1267A.1039

Alias: FTO-039

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 9/15/2021

RC Date: 9/15/2021

RC Reason: Not assigned

Program: Base Realignment and Closure

Subprogram: IR

Cost-to-Complete: \$7,463,395.19

Phases	Start	End
PA	6/15/1990	12/15/1990
SI	6/15/1990	12/15/1990
RI/FS	6/15/1990	10/15/1995
RD	3/15/1996	1/15/1998
IRA	--	--
RA(C)	9/15/2008	9/15/2021
RA(O)	--	--
LTM	10/15/2021	9/15/2033

Site Narrative

This site was used to train soldiers in the use of military weapons including small arms and high explosives which resulted in areas contaminated with unexploded ordnance (UXO) and munitions constituents (MC). UXO cleanup is under 1267A.1061. Contaminated soil from small arms ammunition including metals and explosives constituents from larger munitions are being addressed per the 1997 Basewide ROD. Remedies are soil excavation and disposal in the former Operable Unit (OU) 2 (OU2) Landfill. A 2009 ROD Amendment remedy revised cleanup levels based on ecological screening levels. All the Historical Areas (HA) within Units 5, 13, 17, and 20 continue to be characterized by soil sampling. After munitions and explosives of concern (MEC) response is completed, Unit 5 will be sampled in FY19 and Units 13, 17, and 20 will be sampled in FY21. STRATEGY: Based on the site reconnaissance and soil sample results, soil excavation will be conducted at Units 31 and 33 to meet the lead cleanup levels for habitat area. An estimated total of 3.32 acres is impacted by lead contamination and a total of 5,323 cubic yards of soil will be excavated from Units 31 and 33. Another 18,000 cubic yards of soil will be removed from the development portion of Site 39, HA-18D and 23D, to meet the new draft lead toxicity criteria for human health, which is expected to be in effect by September 2018. All contaminated soil identified will be excavated and placed into the OU2 Landfill in a single effort in FY21. HAs within Site 39 (except for development portion) that are excavated must be restored and monitored for successful restoration of critical habitat per the 2017 Biological Opinion issued by the US Fish and Wildlife Service. A total of 65.03 acres that has been either excavated or identified to be excavated will require habitat restoration and monitoring until FY33. Remedial action (construction) RA(C) is between FY19 and FY21. Long-term management (LTM) (FY22 to FY33) includes habitat restoration, monitoring, and reporting.

FTO-041_SITE 41 FAAF FIRE DRILL AREA (OU1)

WBS Element: 1267A.1043

Alias: FTO-041

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 6/15/1988

RC Date: 3/15/2015

RC Reason: All Required Cleanup(s) Completed

Program: Base Realignment and Closure

Subprogram: IR

Cost-to-Complete: \$89,887.44

Phases	Start	End
PA	6/15/1980	12/5/1980
SI	5/15/1984	12/15/1986
RI/FS	1/15/1987	5/15/1987
RD	--	--
IRA	--	--
RA(C)	7/15/1987	6/15/1988
RA(O)	7/15/1988	3/15/2015
LTM	3/15/2015	9/15/2020

Site Narrative

This site was a firefighter training area. Flammable solvents leached into soil and groundwater. Soil cleanup was completed. The ROD remedy was groundwater extraction and treatment of TCE with granular activated carbon and reinjection. The final remedial action completion report (RACR), OU-1, attainment monitoring results, recommended no further monitoring and OU-1 attainment monitoring activity is complete. Since (1) TCE concentrations at all wells in the attainment monitoring well network were less than corresponding aquifer cleanup goals, and (2) perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) sample results showed concentrations significantly less than the 2009 US Environmental Protection Agency (USEPA) provisional health advisory screening criteria. In early 2016, regulatory agencies (USEPA, California Department of Toxic Substances Control, and Central Coast Regional Water Quality Control Board) concurred all remedial actions were complete. However, USEPA revised the health advisory (HA) level to 70 nanogram per liter for combined concentrations of PFOA and PFOS in May 2016. Comparing the attainment monitoring results to the 2016 HA level, MW-OU1-88-A was above the health advisory level for all four attainment monitoring events. In 2017 USEPA agreed with site closure without more sampling or remediation of PFOA and PFOS. The northwest treatment system and wells were then demolished and the site closeout report was approved by the regulatory agencies in 2017. The OU-1 remedial objectives have been achieved and the site is now closed. Since OU-1 is located within the Fort Ord Natural Reserve, biological monitoring surveys are required per the 2017 Biological Opinion. Habitat surveys will be conducted in 2019 and 2020. Strategy: Remedial actions are complete. Wells and treatment system are demolished. Two years of follow-up habitat monitoring are required.

FTO-044_RESERVATION ROAD SITE (OUCTP)

WBS Element: 1267A.1045

Alias: OU-CTP

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 8/15/2012

RC Date: 9/15/2046

RC Reason: Not assigned

Program: Base Realignment and Closure

Subprogram: IR

Cost-to-Complete: \$15,332,746.42

Phases	Start	End
PA	1/15/1997	1/15/1997
SI	1/15/1997	2/15/1998
R/FS	1/15/1997	9/15/2003
RD	9/15/2003	1/15/2006
IRA	7/15/2004	9/15/2004
RA(C)	3/15/2006	8/15/2012
RA(O)	9/15/2012	9/15/2046
LTM	10/15/2047	9/15/2051

Site Narrative

Investigation of carbon tetrachloride (CT) contamination in groundwater from a surface release began in 1997. The ROD prescribes aquifer-specific remedies: (1) enhanced in-situ bioremediation (EISB) using lactate injection and recirculation in the A-Aquifer, (2) extracting groundwater from the Upper 180-Foot Aquifer and treating at the OU2 groundwater treatment plant (GWTP), and (3) monitored natural attenuation (MNA) in the Lower 180-Foot Aquifer. Site Strategy: A-Aquifer. Construction of the third substrate injection and extraction system began in FY17. Follow-on monitoring will be conducted through FY19. An EISB study will be conducted in FY19 to locate the FY21 EISB injection area. Five years of post-injection monitoring (FY22 to FY26) will follow to assess the potential rebound of contaminants above the aquifer cleanup levels. The EISB system and all injection and extraction wells will be abandoned in FY27. Groundwater monitoring will continue until ROD aquifer cleanup levels are achieved. In FY18, three A-Aquifer wells were installed to further delineate the A-Aquifer CT plume. A new well was also installed to delineate TCE in the Lower 180-Foot aquifer. Achievement of remedy goals is expected thirty years from deployment of FY16 EISB, in FY46. Upper 180-Foot Aquifer. Contaminated groundwater from one extraction well is extracted and treated at the OU2 GWTP. An additional Upper 180-Foot Aquifer extraction well will be added in FY19. Lower 180-Foot Aquifer. MNA is the selected remedial approach for this aquifer. The MNA model predicts cleanup in 30 years. Habitat monitoring. Baseline habitat monitoring and three years of follow-on monitoring will be conducted for disturbance in the Fort Ord Natural Reserve. Remedy goals are expected to be achieved by FY46, followed by FY47 attainment monitoring. Well abandonment is scheduled for FY48, after the regulatory approval of site closure. Baseline habitat monitoring (FY48) and three years of follow-on monitoring (FY49 to FY51) will be conducted.

FTO-053_LANDFILL (OU2)

WBS Element: 1267A.1046

Alias: FTO-053

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 1/31/1996

RC Date: 9/15/2035

RC Reason: Not assigned

Program: Base Realignment and Closure

Subprogram: IR

Cost-to-Complete: \$56,734,578.69

Phases	Start	End
PA	6/15/1990	12/15/1990
SI	12/15/1990	12/15/1990
RI/FS	12/15/1990	6/15/1993
RD	7/15/1993	12/15/1996
IRA	--	--
RA(C)	12/15/1995	11/15/2002
RA(O)	1/31/1996	9/15/2035
LTM	10/15/2036	9/15/2065

Site Narrative

This site is the source of groundwater contamination that resulted in Fort Ord being added to the National Priorities List. Chlorinated solvents, primarily trichloroethylene, are chemicals of concern that leached from the old Army landfill that ceased operation in 1987. Groundwater monitoring results indicate that contamination, first identified in the A-Aquifer, has migrated eastward in the Upper 180-Foot Aquifer and down into the Lower 180-Foot Aquifer. Low concentrations in municipal drinking water supply wells have been detected. Contaminant levels have not exceeded Federal or state action levels in the supply wells, but the situation continues to require remediation and monitoring to prevent contaminant migration toward supply wells.

The site has three major parts: a GWTP, a five-cell capped landfill system, and a landfill gas extraction system. The 1994 ROD requires (1) remediate contaminated groundwater, (2) groundwater monitoring, (3) cap the existing landfill cells, and (4) landfill closure activities such as cap maintenance, landfill gas monitoring, extraction and treatment, and compliance groundwater monitoring. The groundwater plumes have been stabilized and decreased in size due to active remediation.

Site Strategy: A new GWTP with additional extraction wells and increased treatment capacity is currently under construction. It will begin operation by summer 2018 and is expected to run for 17 years to reach the aquifer cleanup levels specified in the ROD (by FY35). Landfill operations and maintenance as required by State regulations and groundwater monitoring will continue indefinitely as long as the waste is considered a threat to water quality.

FORT ORD

MILITARY MUNITIONS RESPONSE PROGRAM SITES

FTO-004-R-01_BLM-NORTH

WBS Element: 1267A.1049

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 9/15/2019

RC Date: 9/15/2019

RC Reason: Not assigned

Program: Base Realignment and Closure

Subprogram: MR

Cost-to-Complete: \$3,104,888.96

Phases	Start	End
PA	11/15/2001	6/15/2003
SI	--	--
R/FS	1/15/2010	1/15/2016
RD	--	--
IRA	--	--
RA(C)	2/15/2016	9/15/2019
RA(O)	--	--
LTM	10/15/2019	9/15/2048

Site Narrative

The site includes 727.8 acres in the central portion of the former Fort Ord, used for maneuver, training, and weapons ranges from approximately 1930 through the 1950s involving rifle grenades and small arms. The area was later used for maneuver training involving simulators, signaling devices, and blank small arms ammunition until base closure in 1994. The area is planned for transfer to Bureau of Land Management (BLM) for use as public lands. A vegetation burn was conducted in 1997 and munitions removal and sampling actions were completed in the area. The following sites make-up this range complex: MRS-10A, MRS-10B, MRS-19, MRS-27I, MRS-27J, MRS-48, and MRS-58. Based on the Basewide Range Assessment program, NFA related to soil contamination is required. The site strategy for this range complex includes: -Track 2: Implement MEC removal (approximately 185 acres) and land use controls (LUC) selected in the Track 2 ROD for BLM Area B and MRS-16. LTM is required.

FTO-007-R-01_CSUMB

WBS Element: 1267A.1051

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 12/15/2018

RC Date: 9/15/2019

RC Reason: Not assigned

Program: Base Realignment and Closure

Subprogram: MR

Cost-to-Complete: \$0.00

Phases	Start	End
PA	11/15/2001	6/15/2003
SI	--	--
R/FS	10/15/2007	6/15/2018
RD	--	--
IRA	--	--
RA(C)	6/16/2018	12/15/2018
RA(O)	--	--
LTM	--	--

Site Narrative

The California State University, Monterey Bay (CSUMB) range complex covers 356.6 acres in the central portion of the former Fort Ord. Archive information indicates that the ranges were used for infantry maneuver training until base closure in 1994. A sampling of the area indicated sites containing practice mines, practice grenades, and booby-trap training areas, Chemical, Biological and Radiological (CBR) training, and ordnance cache burial pits. A removal action was subsequently completed. The area is planned for development by CSUMB. Based on the Basewide Range Assessment program NFA related to soil contamination is required. Based on the 2007 Environmental Services Cooperative Agreement (ESCA) between the Army and Fort Ord Reuse Authority (FORA), FORA is required to complete munitions response and obtain site closeout (except Army Obligations) in 3,426 acres of the former Fort Ord. The Army provides oversight of FORA ESCA activities. Approximately 332.8 acres of this site (MRS-4C, MRS-7, MRS-8, MRS-13C, MRS-31, and MRS-18) are included in the ESCA. -The site strategy for the ESCA-portion includes oversight of the FORA ESCA remediation program until site closeout (expected in FY19). The selected remedy is LUCs. The site strategy for the remaining areas includes: - Track 1: The selected remedy for MRS-27Y is NFA based on the Track 1 ROD. The Track 1 ROD recommends reasonable and prudent measures in the interest of safety. The Army recommends munitions recognition and safety training (consistent with the Army's 3Rs Explosives Safety Program) for anyone who conducts ground-disturbing or intrusive activities at the former Fort Ord. This is a zero cost site. The remaining phase(s) of work is currently under contract (ESCA) which has been fully funded.

FTO-005-R-01_BLM-NORTH- XD

WBS Element: 1267A.1053

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 9/15/2019

RC Date: 9/15/2019

RC Reason: Not assigned

Program: Base Realignment and Closure

Subprogram: MR

Cost-to-Complete: \$3,945,059.25

Phases	Start	End
PA	11/15/2001	6/15/2003
SI	--	--
RI/FS	9/15/2007	1/15/2016
RD	--	--
IRA	--	--
RA(C)	2/15/2016	9/15/2019
RA(O)	--	--
LTM	10/15/2019	9/15/2048

Site Narrative

This site includes 507 acres in the central portion of the former Fort Ord. The area was used for maneuver, training, and weapons ranges from approximately 1930 through the 1950s involving rifle grenades and small arms. The area was later used for maneuver training involving simulators, signaling devices, and blank small arms ammunition until base closure in 1994. The property was transferred to BLM for use as public lands. Based on the Basewide Range Assessment program, NFA related to soil contamination is required. Based on the 2007 ESCA between the Army and FORA, FORA is required to complete munitions response and obtain site closeout (except Army Obligations) in 3,426 acres of the former Fort Ord. The Army provides oversight of FORA's ESCA activities. Approximately 56.3 acres of this site are included in the ESCA. The site strategy for the ESCA-portion includes oversight of the FORA ESCA until site closeout is attained. NFA has been approved for the 56.3 acre area. The site strategy for the remaining areas includes: -Track 1: The selected remedy is NFA based on the Track 1 ROD (MRS-59A) and the Track 1 Plug-In process (MRS-59B and MRS-27F) (total 59 acres). The Track 1 ROD recommends reasonable and prudent measures in the interest of safety. The Army recommends munitions recognition and safety training (consistent with the Army's 3Rs Explosives Safety Program) for anyone who conducts ground-disturbing or intrusive activities at the former Fort Ord. -Track 1: Future sites: NFA has been recommended for MRS-27D, MRS-57, and MRS-59 (235 acres). -Track 2: Implement munitions removal and LUCs selected in the Track 2 ROD for BLM Area B and MRS-16 (MRS-54, MRS-56, MRS-53BLM, MRS-27G, MRS-27H, MRS-41, and MRS-9; 154 acres). LTM is required.

FTO-010-R-01_EAST GARRISON

WBS Element: 1267A.1054

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 9/15/2019

RC Date: 9/15/2019

RC Reason: Not assigned

Program: Base Realignment and Closure

Subprogram: MR

Cost-to-Complete: \$0.00

Phases	Start	End
PA	11/15/2001	6/15/2003
SI	--	--
RI/FS	10/15/2007	6/15/2018
RD	--	--
IRA	--	--
RA(C)	6/16/2018	9/15/2019
RA(O)	--	--
LTM	--	--

Site Narrative

This area is located in the east central portion of the former Fort Ord and occupies approximately 71 acres. An Archives Search Report found the ranges in the site were used for small arms and rifle grenade training from the 1930s through the 1950s and small arms and infantry maneuver training involving signaling devices and simulators until base closure in 1994. Munitions sampling and removal actions have been completed on ranges in the complex. The area is planned for housing development and habitat reserve. Based on the Basewide Range Assessment program NFA related to soil contamination is required. Based on the 2007 ESCA between the Army and FORA, FORA is required to complete munitions response and obtain site closeout (except Army Obligations) in 3,426 acres of the former Fort Ord. The Army provides oversight of FORA ESCA activities. Approximately 41.7 acres of this site (MRS-11 and MRS-42) are included in the ESCA. -The site strategy for the ESCA-portion includes oversight of the FORA ESCA remediation program until site closeout (expected in FY19). The site strategy for the remaining areas includes: -Track 1: The selected remedy for MRS-5 and MRS-33 is NFA in accordance with Track 1 ROD and Track 1 Plug-In Approval Memorandum, respectively. The Track 1 ROD recommends reasonable and prudent measures in the interest of safety. The Army recommends munitions recognition and safety training (which is consistent with the Army's 3Rs Explosives Safety Program) for anyone who conducts ground-disturbing or intrusive activities at the former Fort Ord. This is a zero cost site. The remaining phase(s) of work is currently under contract (ESCA) which has been fully funded.

FTO-011-R-01_EAST GARRISON-OTHER

WBS Element: 1267A.1055

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 9/15/2019

RC Date: 9/15/2019

RC Reason: Not assigned

Program: Base Realignment and Closure

Subprogram: MR

Cost-to-Complete: \$0.00

Phases	Start	End
PA	11/15/2001	6/15/2003
SI	--	--
R/FS	10/15/2007	6/15/2018
RD	--	--
IRA	--	--
RA(C)	6/16/2018	9/15/2019
RA(O)	--	--
LTM	--	--

Site Narrative

The site contains 385.1 acres in the east central portion of the former Fort Ord that is not identified as ranges or sites but may have been used for small unit infantry maneuver training involving signaling devices, blank ammunition, and simulators. Based on the Basewide Range Assessment program NFA related to soil contamination is required. Based on the 2007 ESCA between the Army and FORA, FORA is required to complete munitions response and obtain site closeout (except Army Obligations) in 3,426 acres of the former Fort Ord. The Army provides oversight of FORA's ESCA activities. Approximately 204.5 acres of this site is included in the ESCA. -The site strategy for the ESCA-portion includes oversight of the FORA ESCA remediation program until site closeout is attained (expected in FY19). The site strategy for the remaining areas includes: -Track 1: The selected remedy for EG Area 2 and East Garrison Area 4NE is NFA in accordance with Track 1 Plug-In Approval Memorandum. The Track 1 ROD recommends reasonable and prudent measures in the interest of safety. The Army recommends munitions recognition and safety training (consistent with the Army's 3Rs Explosives Safety Program) for anyone who conducts ground-disturbing or intrusive activities at the former Fort Ord. This is a zero cost site. The remaining phase(s) of work is currently under contract (ESCA) which has been fully funded.

FTO-016-R-01_MULTI-USE RANGE AREA - IA

WBS Element: 1267A.1060

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 12/15/2018

RC Date: 12/15/2018

RC Reason: Not assigned

Program: Base Realignment and Closure

Subprogram: MR

Cost-to-Complete: \$729,625.30

Phases	Start	End
PA	11/15/2001	6/15/2003
SI	--	--
R/FS	7/15/2003	7/15/2004
RD	--	--
IRA	--	--
RA(C)	9/15/2007	12/15/2018
RA(O)	--	--
LTM	12/15/2018	9/15/2048

Site Narrative

The site covers 550.78 acres within and just north of the historical Impact Area in the southwest portion of the former Fort Ord. The area was used for combined weapons training including mortars, 40mm grenades, anti-tank rockets, demolition charges, incendiary devices, and small arms from the 1930s until base closure in 1994. A surface removal action in exposed areas of the complex was completed in 2001. An interim action (IA) was developed for this complex to address MEC arising from the type of munitions and the proximity of the ranges to local residential areas and schools. An IA ROD covered munitions response site (MRS)-Ranges 43-48, Range 30A and MRS-16 that comprised this site. Interim remedial action has been taken at Ranges 43-48 and MRS-16. Range 30A was subsequently included in Site 1267A.1061 FTO-014-R-01 MULTI-USE RANGE AREA - BLM. Investigation and cleanup of soil contamination was conducted under a separate decision document, Site 39 ROD Amendment. Based on the 2007 ESCA between the Army and FORA, FORA is required to complete munitions response and obtain site closeout (except Army Obligations) in 3,426 acres of the former Fort Ord. The Army provides oversight of FORA ESCA activities. Approximately 198.5 acres (part of MRS-Ranges 43-48) are included in the ESCA. -The site strategy for the ESCA-portion includes oversight of the FORA ESCA remediation program until site closeout (expected in FY19). The final selected remedy is LUCs. The site strategy for the remaining areas includes: -MRS-16: Implement the final selected remedy of LUCs as described in the Track 2 ROD for BLM Area B and MRS-16. LTM is required. -Southern portion of Ranges 43-48: Implement the final selected remedy as part of the Track 3 ROD (Site 1267A.1061 FTO-014-R-01).

FTO-014-R-01_MULTI-USE RANGE AREA - BLM

WBS Element: 1267A.1061

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 9/15/2023

RC Date: 9/15/2023

RC Reason: Not assigned

Program: Base Realignment and Closure

Subprogram: MR

Cost-to-Complete: \$134,370,985.01

Phases	Start	End
PA	11/15/2001	6/15/2003
SI	--	--
R/FS	7/15/2003	8/15/2006
RD	--	--
IRA	--	--
RA(C)	9/15/2006	9/15/2023
RA(O)	--	--
LTM	10/15/2023	9/15/2053

Site Narrative

This range complex cover 6,316.8 acres within the confines of the historical Impact Area in the southwest portion of the former Fort Ord. These ranges include the impact areas of approximately 27 small arms, mortar, rocket, and machine gun ranges as well as demolitions and incendiary munitions training areas used from the 1930s until the base closure in 1994. The ranges contain expended MEC. Vegetation on this complex is protected under the Installation-wide Multispecies Habitat Management Plan (HMP). The area is planned to be transferred to BLM as a habitat reserve when all remedial action is complete. Investigation and cleanup of soil contamination are conducted under a separate decision document, Site 39 ROD Amendment. This range complex is a part of the Track 3 Impact Area Munitions Response Area addressed in the Track 3 ROD signed in May 2008. The selected remedy is technology-aided surface MEC remediation, with subsurface MEC remediation in selected areas and LUCs. The remedial action is underway. -The site strategy includes the implementation of the selected remedy. The range complex has been divided into work units, and a site-specific prescribed burn plan and MEC remedial action work plan are prepared for each unit. RA(C) phase is expected to continue span several years. LTM is required.

FTO-015-R-01_MULTI-USE RANGE AREA - DRO

WBS Element: 1267A.1062

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: - -

RC Date: 8/15/2017

RC Reason: All Required Cleanup(s) Completed

Program: Base Realignment and Closure

Subprogram: MR

Cost-to-Complete: \$150,707.99

Phases	Start	End
PA	11/15/2001	6/15/2003
SI	--	--
R/FS	10/15/2006	5/30/2017
RD	--	--
IRA	--	--
RA(C)	--	--
RA(O)	--	--
LTM	8/15/2017	8/15/2048

Site Narrative

This site occupies 335.3 acres on the western edge of the historical Impact Area. The area includes hardstand, firing lines, and preparation areas for three small arms and mortar ranges that are located adjacent to a highway and local residential areas. The ranges were used from the 1930s until base closure in 1994. Based on the Basewide Range Assessment program NFA regarding soil contamination is required. Based on the 2007 ESCA between the Army and FORA, FORA is required to complete munitions response and obtain site closeout (except Army Obligations) in 3,426 acres of the former Fort Ord. The Army provides oversight of FORA ESCA activities. Approximately 9.1 acres of this site are included in the ESCA. -The site strategy for the ESCA-portion includes oversight of the FORA ESCA remediation program until site closeout is attained (expected in FY19). The selected remedy is LUCs. The site strategy for the remaining areas includes: -Track 1: The selected remedy is NFA based on the Track 1 Plug-In Approval Memorandum (MRS-15DRO.1A and MRS-15DRO.2A; 5 acres). The Track 1 ROD recommends reasonable and prudent measures in the interest of safety. The Army recommends munitions recognition and safety training (consistent with the Army's 3Rs Explosives Safety Program) for anyone who conducts ground-disturbing or intrusive activities at the former Fort Ord. -Track 2: Implement the selected remedy of LUCs based on the Track 2 ROD for the Del Rey Oaks Munitions Response Area (MRS-15DRO.1, MRS-15DRO.2 and the northern portion of MRS-43). LTM is required.

FTO-018-R-01_MULTI-USE RANGE AREA - SEA

WBS Element: 1267A.1063

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 9/15/2019

RC Date: 9/15/2019

RC Reason: Not assigned

Program: Base Realignment and Closure

Subprogram: MR

Cost-to-Complete: \$0.00

Phases	Start	End
PA	11/15/2001	6/15/2003
SI	--	--
R/FS	10/15/2007	6/15/2018
RD	--	--
IRA	--	--
RA(C)	6/16/2018	9/15/2019
RA(O)	--	--
LTM	--	--

Site Narrative

This site occupies 452.5 acres on the western edge of the historical Impact Area. The area includes the hardstand, firing lines, and preparation areas for approximately nine small arms and mortar ranges used from the 1930s until base closure in 1994 that are located adjacent to a connector highway and local residential areas. This range complex includes MRS-SEA.1 through 4, and MRS-MOCO.2. Based on the Basewide Range Assessment program NFA related to soil contamination is required. Based on the 2007 ESCA between the Army and FORA, FORA is required to complete munitions response and obtain site closeout (except Army Obligations) in 3,426 acres of the former Fort Ord. The Army provides oversight of FORA ESCA activities. This range complex is entirely included in the ESCA. -The site strategy includes oversight of the FORA ESCA remediation program until site closeout (expected in FY19). This is a zero cost site. The remaining phase(s) of work is currently under contract (ESCA) which has been fully funded.

FTO-019-R-01_MULTI-USE RANGE AREA - SOUT

WBS Element: 1267A.1064

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 12/15/2018

RC Date: 9/15/2019

RC Reason: Not assigned

Program: Base Realignment and Closure

Subprogram: MR

Cost-to-Complete: \$0.00

Phases	Start	End
PA	11/15/2001	6/15/2003
SI	--	--
R/FS	10/15/2007	12/15/2017
RD	--	--
IRA	--	--
RA(C)	10/1/2017	12/15/2018
RA(O)	--	--
LTM	--	--

Site Narrative

This site occupies 232.7 acres on the southern edge of the historical Impact Area. It includes the hardstand, firing lines, and preparation areas for four small arms and mortar ranges used from the 1930s until base closure in 1994 that are located adjacent to a connector highway, local businesses, race track, and residential areas. This area has been transferred to the County of Monterey, the City of Monterey, and York School. Sampling and removal actions were completed on this complex. Based on the Basewide Range Assessment program NFA related to soil contamination is required. Based on the 2007 ESCA between the Army and FORA, FORA is required to complete munitions response and obtain site closeout (except Army Obligations) in 3,426 acres of the former Fort Ord. The Army provides oversight of FORA ESCA activities. Approximately 101.6 acres this site are included in the ESCA (a portion of MRS-43, MRS-47, and MRS-30). -The site strategy for the ESCA-portion includes oversight of the FORA ESCA remediation program until Site Closeout (expected in FY19). The selected remedy is LUCs. The site strategy for the remaining areas includes: -Track 1: The site strategy is NFA in accordance with Track 1 Plug-In Approval Memorandum (MRS-46, MRS-15MOCO.1, and a portion of MRS-43; approximately 133 acres). The Track 1 ROD recommends reasonable and prudent measures in the interest of safety. The Army recommends munitions recognition and safety training (consistent with the Army's 3Rs Explosives Safety Program) for anyone who conducts ground-disturbing or intrusive activities at the former Fort Ord. This is a zero cost site. The remaining phase(s) of work is currently under contract (ESCA) which has been fully funded.

FTO-017-R-01_MULTI-USE RANGE AREA - OB/O

WBS Element: 1267A.1065

Alias: FTO-005

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: - -

RC Date: 1/15/2006

RC Reason: All Required Cleanup(s) Completed

Program: Base Realignment and Closure

Subprogram: MR

Cost-to-Complete: \$0.00

Phases	Start	End
PA	11/15/2001	6/15/2003
SI	--	--
R/FS	7/15/2003	1/15/2006
RD	--	--
IRA	--	--
RA(C)	--	--
RA(O)	--	--
LTM	9/15/2008	9/15/2054

Site Narrative

The site covers 1.8 acres in the south-central portion of the former Fort Ord, within the confines of the historical Impact Area. It was an explosive ordnance (EOD) range used for disposal of various types of commercial explosives and military munitions. Disposal occurred by open burning and open detonation (OB/OD). The range was used until October 1992, when Former Fort Ord's EOD unit was deactivated. From January 1994 to January 1997, this range was reactivated for disposal of MEC identified from the former Fort Ord Time-Critical Removal Action Program for military munitions conducted outside the Impact Area. Potential contaminants present at the range as a result of past activities include explosive compounds and metals. The area is planned for transfer to the BLM as a habitat reserve when cleanup of the surrounding area is complete. This area was addressed and closed under the RCRA as Installation Restoration Program site number FTO-005. Investigation of potential soil contamination, including residues of explosives, was completed through the RCRA-closure process and NFA is required. This range complex is included in the Track 3 Impact Area Munitions Response Area remedial action. The site strategy for the range complex includes the implementation of LUCs under the Track 3 ROD (Site 1267A.1061 FTO-014-R-01). This is a zero cost site. The site's future liability is rolled up under another site, 1267A.1061 FTO-014-R-01.

FTO-020-R-01_PARKER FLATS

WBS Element: 1267A.1066

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 9/15/2019

RC Date: 9/30/2019

RC Reason: Not assigned

Program: Base Realignment and Closure

Subprogram: MR

Cost-to-Complete: \$714,855.39

Phases	Start	End
PA	11/15/2001	6/27/2003
SI	--	--
R/FS	9/30/2014	9/30/2017
RD	--	--
IRA	--	--
RA(C)	10/1/2017	9/15/2019
RA(O)	--	--
LTM	10/1/2019	9/30/2048

Site Narrative

The area is approximately 1,139 acres in the central portion of Former Fort Ord. An Archives Search Report identified the Parker Flats area to have been used for rifle grenade and shoulder launched projectile training from the 1940s through 1970s. The area is designated for development including the Monterey Peninsula College police officer training area, equestrian center, and veteran's cemetery. Munitions removal was conducted in Munitions Response Site 13B (MRS-13B) and in the southern 600 acres of the complex. Sites in this complex include MRS 3, 4A, 4B, 13B, 27A, 27B, 27C, 27G (partial), 37, 40, 44PBC, 44EDC, 50, 52, 53, 54EDC, and 55. The complex also includes the areas between these sites. Based on the Basewide Range Assessment program NFA related to soil contamination is required. Based on the 2007 ESCA between the Army and FORA, FORA is required to complete munitions response and obtain site closeout (except Army Obligations) in 3,426 acres of the former Fort Ord. The Army provides oversight of FORA ESCA activities. Approximately 1,060.9 acres of this site are included in the ESCA. -The site strategy for the ESCA-portion includes oversight of the FORA ESCA remediation program until Site Closeout (expected in FY19). The site strategy for the remaining areas includes: -Track 2: For parcels F2.6, L2.3, and L2.4.1 (portions of MRS-13B), implement the selected remedy of land use controls based on the Track 2 ROD for the Parker Flats Munitions Response Area. LTM is required.

FTO-022-R-01_SOUTH RANGE AREA

WBS Element: 1267A.1067

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 12/15/2018

RC Date: 9/15/2019

RC Reason: Not assigned

Program: Base Realignment and Closure

Subprogram: MR

Cost-to-Complete: \$0.00

Phases	Start	End
PA	11/15/2001	6/15/2003
SI	--	--
RI/FS	10/15/2007	6/15/2018
RD	--	--
IRA	--	--
RA(C)	6/16/2018	12/15/2018
RA(O)	--	--
LTM	--	--

Site Narrative

This site covers 421.7 acres in the southeast and southwest of the former Fort Ord. The areas were suspected to have been used for rifle grenades in the 1930s - 1950s and as small unit infantry maneuver training areas from 1960s to base closure in 1994. This site has been transferred to local municipalities and businesses. Based on the Basewide Range Assessment program NFA related to soil contamination is required. Based on the 2007 ESCA between the Army and FORA, FORA is required to complete munitions response and obtain site closeout (except Army Obligations) in 3,426 acres of the former Fort Ord. The Army provides oversight of FORA ESCA activities. Approximately 193.4 acres of this site are included in the ESCA (MRS-14A and MRS-29). -The site strategy for the ESCA-portion includes oversight of the FORA ESCA remediation program until site closeout (expected in FY19). The selected remedy is LUCs. The site strategy for the remaining areas includes: -Track 1: The selected remedy is NFA based on the Track 1 ROD (MRS-62). The Track 1 ROD recommends reasonable and prudent measures in the interest of safety. The Army recommends munitions recognition and safety training (consistent with the Army's 3Rs Explosives Safety Program) for anyone who conducts ground-disturbing or intrusive activities at the former Fort Ord. This is a zero cost site. The remaining phase(s) of work is currently under contract (ESCA) which has been fully funded.

FTO-001-R-01_BLM-EAST

WBS Element: 1267A.1068

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 12/15/2018

RC Date: 9/15/2019

RC Reason: Not assigned

Program: Base Realignment and Closure

Subprogram: MR

Cost-to-Complete: \$1,065,689.17

Phases	Start	End
PA	11/15/2001	6/15/2003
SI	--	--
RI/FS	10/15/2007	10/15/2017
RD	--	--
IRA	--	--
RA(C)	10/15/2017	12/15/2018
RA(O)	--	--
LTM	9/15/2020	9/15/2049

Site Narrative

This site covers 1,847 acres in the southeast section of Former Fort Ord. Training maps from 1984 indicate several maneuver training areas likely used from the 1940s until base closure in 1994 involving signaling and simulator devices and small arms blank ammunition. Munitions sampling and removal were conducted on some areas. This property has been transferred to BLM for use as public lands. Based on the Basewide Range Assessment program, NFA related to soil contamination is required. Based on the 2007 ESCA between the Army and FORA, FORA is required to complete munitions response and obtain site closeout (except Army Obligations) in 3,426 acres of the former Fort Ord. The Army provides oversight of FORA ESCA activities. Approximately 5.6 acres of this site is included in the ESCA (portions of parcels E11b.7.1 and L20.8). -The site strategy for the ESCA-portion includes oversight of the FORA ESCA until site closeout (expected in FY19). The site strategy for the remaining areas includes: -Track 1: The selected remedy is NFA based on the Track 1 ROD (MRS-27X, MRS-32A/B, MRS-63, MRS-69, and MRS-70; 239 acres) and Track 1 Approval Memorandum (MRS-14C, MRS-17, MRS-27N/R/S/U, MRS-32C and MRS-61, MRS-67, MRS-68; and portions of MRS-14B, MRS-27T/Q/V/W, and MRS-64; 943 acres). The Track 1 ROD recommends reasonable and prudent measures in the interest of safety. The Army recommends munitions recognition and safety training (consistent with the Army's 3Rs Explosives Safety Program) for anyone who conducts ground-disturbing or intrusive activities at the former Fort Ord. -Track 1 future sites: NFA has been recommended for MRS-14B, MRS-14E, MRS-27K/L/M/O/P/Q/T/V/W, MRS-60, MRS-64 and MRS-65 (537 acres). Track 2: Implement the LUCs selected in the Track 2 ROD for BLM Area B and MRS-16 (MRS-14D, MRS-25, MRS-26, MRS-12, and MRS-21; 143 acres). LTM is required.

FTO-002-R-01_BLM-EAST OTHER

WBS Element: 1267A.1069

Alias: None

Regulatory Driver: CERCLA

RRSE: Not assigned

MRSP: Not assigned

RIP Date: 9/15/2019

RC Date: 9/15/2019

RC Reason: Not assigned

Program: Base Realignment and Closure

Subprogram: MR

Cost-to-Complete: \$3,403,362.96

Phases	Start	End
PA	11/15/2001	6/15/2003
SI	--	--
RI/FS	10/15/2007	9/15/2010
RD	--	--
IRA	--	--
RA(C)	2/15/2016	9/15/2019
RA(O)	--	--
LTM	10/31/2019	9/30/2048

Site Narrative

This site contains 4,930 acres that surround the BLM East complex areas on the southeast portion of Former Fort Ord. While not specifically identified as a range, these areas were used by troops to get from one area to another and as such are defined as range areas. This area was included in 1984 training facilities maps of maneuver areas. This property has been transferred to BLM for use as public lands. Based on the Basewide Range Assessment program, NFA related to soil contamination is required. The site strategy for the range complex includes: -Track 1: The selected remedy is NFA based on the Track 1 Plug-In Approval Memorandum (3,033 acres). The Track 1 ROD recommends reasonable and prudent measures in the interest of safety. The Army recommends munitions recognition and safety training (consistent with the Army's 3Rs Explosives Safety Program) for anyone who conducts ground-disturbing or intrusive activities at the former Fort Ord. -Track 1 future sites: NFA has been recommended for approximately 1,397 acres. -Track 2: Implement the MEC removal and LUCs selected in the Track 2 ROD for BLM Area B and MRS-16 (approximately 562 acres). LTM is required.

SITE CLOSEOUT SUMMARY

Site WBS	Site Name	Site Closeout Date
1267A.1001	FTO-001_SITE 1 ORD VILLAGE SEWAGE TREATM	10/31/1995
1267A.1002	FTO-002_SITE 2-ABANDONED SEWAGE TREATMEN	10/31/1995
1267A.1003	FTO-003_SITE 3-BEACH TRAINFIRE RANGES	9/15/2000
1267A.1004	FTO-004_SITE 4-BEACH STORM WATER OUTFALL	10/31/1996
1267A.1005	FTO-005_SITE 5-RANGE 36A (SITE 39)	7/31/2007
1267A.1006	FTO-006_SITE 6-CAR DUMP (SITE 39)	5/31/1996
1267A.1007	FTO-007_SITE 7 RANGES 40/41 FIRE DEMO (S	4/30/1997
1267A.1008	FTO-008_SITE 8 MC RANGES 49 (SITE 39)	8/31/1996
1267A.1009	FTO-009_SITE 9 FFE TRAINING AREA (SITE 3	2/28/1999
1267A.1010	FTO-010_SITE 10 BURN PIT NEAR MAIN FIRE	8/31/1996
1267A.1011	FTO-011_SITE 11 AAFES GAS STATION	6/30/1996
1267A.1013	FTO-013_SITE 13 RAILROAD RIGHT-OF-WAY	6/15/1996
1267A.1014	FTO-014_SITE 14 707TH MAINTENANCE FACILI	2/29/1996
1267A.1015	FTO-015_SITE 15 DEH YARD	8/31/1996
1267A.1016	FTO-016_SITE 16 DOL MAINTENANCE/PETE'S P	9/30/1999
1267A.1017	FTO-017_SITE 17 1400 BLOCK MOTOR POOL	12/31/1998
1267A.1018	FTO-018_SITE 18 1600 BLOCK MOTOR POOL	6/30/1996
1267A.1019	FTO-019_SITE 19 2200 BLOCK MOTOR POOL	3/31/1996
1267A.1020	FTO-020_SITE 20 SOUTH PARADE GROUNDS, 38	12/31/1996
1267A.1021	FTO-021_SITE 21 4400/4500 MOTOR POOL, EA	7/31/1996
1267A.1022	FTO-022_SITE 22 4400/4500 MOTOR POOL, WE	5/31/1996
1267A.1023	FTO-023_SITE 23 3700 MOTOR POOL AREA	6/30/1996
1267A.1024	FTO-024_SITE 24 OLD DEH YARD	4/30/1996
1267A.1025	FTO-025_SITE 25 FORMER DRMO	6/30/1996
1267A.1026	FTO-026_SITE 26 BLDGS 5871&6143(SEWAGE P	10/31/1996
1267A.1027	FTO-027_SITE 27 ARMY RES MOTOR POOL	10/31/1996

Site WBS	Site Name	Site Closeout Date
1267A.1028	FTO-028_SITE 28 BARRACKS & MAIN GARRISON	10/31/1996
1267A.1029	FTO-029_SITE 29 PRESENT DRMO	10/31/1996
1267A.1030	FTO-030_SITE 30 DRIVER TRAIN. AREA EAST	2/29/1996
1267A.1031	FTO-031_SITE 31 FORMER DUMP SITE, EAST G	9/30/1998
1267A.1032	FTO-032_SITE 32 EAST GARRISON SEW. TRMT.	10/31/1996
1267A.1033	FTO-033_SITE 33 GOLF COURSES	3/31/1996
1267A.1034	FTO-034_SITE 34 FAAF FUELING FACILITY	12/31/1998
1267A.1035	FTO-035_SITE 35 AIRCRAFT CANNIBALIZATION	10/31/1996
1267A.1036	FTO-036_SITE 36 FAAF SEWAGE TREATMENT PL	10/31/1996
1267A.1037	FTO-037_SITE 37 TRAILER PARK MAINTENANCE	10/31/1996
1267A.1038	FTO-038_SITE 38 AAFES DRY CLEANER	10/31/1996
1267A.1040	FTO-039A_SITE 39A EAST GARRISON SKEET RA	9/30/1998
1267A.1041	FTO-039B_SITE 39B INTERGARRISON	1/31/1997
1267A.1042	FTO-040_FAAF DEFUELING AREAS	2/28/1997
1267A.1044	FTO-042_CRESENT BLUFFS BURN PIT	10/31/1996
1267A.1050	FTO-006-R-01_COASTAL SMALL ARMS RANGE	6/30/2003
1267A.1052	FTO-008-R-01_CSUMB-XD	6/15/2003
1267A.1056	FTO-021-R-01_ROCKET RANGE AREA (FAAF)	10/31/2013
1267A.1057	FTO-012-R-01_GARRISON-NORTH	3/15/2006
1267A.1058	FTO-013-R-01_GARRISON-SOUTH	10/15/2011
1267A.1059	FTO-009-R-01_DEVELOPMENT-NORTH	3/15/2010
1267A.1070	FTO-003-R-01_BLM-HQ	1/15/2012

COMMUNITY INVOLVEMENT

Technical Review Committee (TRC) Establishment Date:	N/A
Community Involvement Plan (Date Published):	9/1/2013
Restoration Advisory Board (RAB) Establishment Date:	5/31/1994
RAB Adjournment Date:	N/A
RAB Adjournment Reason:	Installation Commander determined RAB should be adjourned.
Additional Community Involvement:	<p>Community involvement is conducted in accordance with the Fort Ord Community Relations Plan which is periodically updated. RAB: The Fort Ord RAB held monthly public meetings for five years where cleanup actions were presented and discussed. Participants in these meetings frequently expressed frustration with RAB meeting procedures, extended meetings and delays in the discussion of cleanup issues. RAB participation declined to eight members in 1998. After several attempts at facilitation by the USEPA and the Army, as well as the Department of Toxic Substances Control (DTSC) and Central Coast Regional Water Quality Control Board (CCRWQCB), and, in spite of the efforts of many talented community members, the RAB was assessed as ineffective in providing a forum for the exchange of information and a source of advice for the Army. Subsequently, the RAB was disbanded by the Army in May 1999. The RAB public meeting process was replaced by the Community Involvement Mobile Workshop (CIW) to provide community members an opportunity to discuss cleanup plans, examine cleanup documents and express their interests or concerns. The meeting format is continually assessed and modified using community input and participant critiques to sustain an effective information exchange forum. Currently, the CIWs are held twice a year and are in the form of an open house, presentations, and a bus tour of cleanup sites. The objective of the CIWs is to provide an opportunity for community members to participate in the cleanup decision-making process. In addition to presentations on proposed cleanup plans, CIWs provide updates from the Base Realignment and Closure (BRAC) Cleanup Team (BCT) when appropriate. The BCT participates in the CIWs. Questions and comments by community members are solicited during</p>

	<p>the open house and bus tour portions of each workshop. Comment cards are also provided at each CIW for comments and questions as well as input for future topics on any cleanup subject. Questions, requests, and comments from attending community members are addressed in the CIW or in a response that is posted on www.FortOrdCleanup.com and provided at the next CIW in a document called "Closing the Loop". TRC: Local and regional air, water, wildlife, land managers, public health, regulatory and service agencies, as well as educational institutions and government representatives review and comment on cleanup plans and documents as members of the Fort Ord TRC. The TRC meets twice a year to discuss technical material and provide advice to the BCT (Army, USEPA, DTSC, and the CCRWQCB) concerning pending cleanup decisions. The TRC was established in 1990. The Fort Ord TRC and the community outreach program for the environmental cleanup at Fort Ord serve the purpose of the former Fort Ord RAB. It should be noted that the TRC meeting includes time to summarize comments from the CIW that usually occurs prior to the TRC. This is one way in which the TRC serves as an opportunity for sharing community concerns and input with local and regional regulatory and service agency representatives. Community Surveys: The Final Community Plan Update Number 4, (Administrative Record number BW-2671A) was issued in November 2013. Community interest was surveyed in 2017 and was analyzed in the "Analysis of the 2017 Community Survey and 2017-2018 Community Outreach Program" which will be issued early 2019. Community surveys in 2015 and 2017 were also issued to supplement the 2013 Community Relations Plan. In accordance with Department of Defense guidance, a 2019 community survey is in progress and the results will be reported in the future report: "Draft Analysis of the 2019 Community Survey and 2019-2020 Community Outreach Program" (draft report is scheduled for January 2020). More information is available at 831-393-1284 or www.FortOrdCleanup.com</p>
<p>Administrative Record is located at:</p>	<p>Building 4463 Gigling Road Ord Military Community, CA 93944-5004 Telephone: (831) 393-9693 www.fortordcleanup.com</p>

Information Repository is located at:	Seaside Library 550 Harcourt Avenue Seaside, CA 93955 (831) 899-2055 & California State University Monterey Bay Library
Current Technical Assistance for Public Participation (TAPP):	N/A
TAPP Title:	N/A
Potential TAPP:	N/A

FIVE-YEAR / PERIODIC REVIEW SUMMARY

Review Summary Table

Associated ROD/DD Name	Site WBS	Site Name
<u>Interim Action Record of Decision, Contaminated Surface Soil Remediation (February 23, 1994)</u>	Various sites: 1267A.1001, 1267A.1006, 1267A.1008, 1267A.1010, 1267A.1014, 1267A.1015, 1267A.1020, 1267A.1021, 1267A.1022, 1267A.1024, 1267A.1030, 1267A.1032, 1267A.1034, 1267A.1036, 1267A.1040, 1267A.1041, 1267A.1042, 1267A.1044	Various sites: FTO-001_SITE 1 ORD VILLAGE SEWAGE TREATM, FTO-006_SITE 6-CAR DUMP (SITE 39), FTO-008_SITE 8 MC RANGES 49 (SITE 39), FTO-010_SITE 10 BURN PIT NEAR MAIN FIRE, FTO-014_SITE 14 707TH MAINTENANCE FACILI, FTO-015_SITE 15 DEH YARD, FTO-020_SITE 20 SOUTH PARADE GROUNDS, 38, FTO-021_SITE 21 4400/4500 MOTOR POOL, EA, FTO-022_SITE 22 4400/4500 MOTOR POOL, WE, FTO-024_SITE 24 OLD DEH YARD, FTO-030_SITE 30 DRIVER TRAIN. AREA EAST, FTO-032_SITE 32 EAST GARRISON SEW. TRMT., FTO-034_SITE 34 FAAF FUELING FACILITY, FTO-036_SITE 36 FAAF SEWAGE TREATMENT PL, FTO-039A_SITE 39A EAST GARRISON SKEET RA, FTO-039B_SITE 39B INTERGARRISON, FTO-040_FAAF DEFUELING AREAS, FTO-042_CRESENT BLUFFS BURN PIT

Associated ROD/DD Name	Site WBS	Site Name
<u>No Action Plug-In Record of Decision</u> <u>(February 16, 1995)</u>	Various sites: 1267A.1011, 1267A.1013, 1267A.1018, 1267A.1019, 1267A.1023, 1267A.1026, 1267A.1027, 1267A.1028, 1267A.1029, 1267A.1035, 1267A.1037, 1267A.1038	Various sites: FTO-011_SITE 11 AAFES GAS STATION, FTO-013_SITE 13 RAILROAD RIGHT-OF-WAY , FTO-018_SITE 18 1600 BLOCK MOTOR POOL, FTO-019_SITE 19 2200 BLOCK MOTOR POOL, FTO-023_SITE 23 3700 MOTOR POOL AREA, FTO-026_SITE 26 BLDGS 5871&6143(SEWAGE P, FTO-027_SITE 27 ARMY RES MOTOR POOL, FTO-028_SITE 28 BARRACKS & MAIN GARRISON, FTO-029_SITE 29 PRESENT DRMO, FTO-035_SITE 35 AIRCRAFT CANNIBALIZATION, FTO-037_SITE 37 TRAILER PARK MAINTENANCE, FTO-038_SITE 38 AAFES DRY CLEANER

Associated ROD/DD Name	Site WBS	Site Name
<u>Record of Decision, Basewide Remedial Investigation Sites (January 13, 1997)</u>	Various Sites: 1267A.1002, 1267A.1003, 1267A.1004, 1267A.1005, 1267A.1007, 1267A.1009, 1267A.1016, 1267A.1017, 1267A.1025, 1267A.1031, 1267A.1033	Various Sites: FTO-002_SITE 2-ABANDONED SEWAGE TREATMEN, FTO-003_SITE 3-BEACH TRAINFIRE RANGES, FTO-004_SITE 4-BEACH STORM WATER OUTFALL, FTO-005_SITE 5-RANGE 36A (SITE 39), FTO-007_SITE 7, ANGES 40/41 FIRE DEMO (S, FTO-009_SITE 9 FFE TRAINING AREA (SITE 3, FTO-016_SITE 16 DOL MAINTENANCE/PETE'S P, FTO-017_SITE 17 1400 BLOCK MOTOR POOL, FTO-025_SITE 25 FORMER DRMO, FTO-031_SITE 31 FORMER DUMP SITE, EAST G, FTO-033_SITE 33 GOLF COURSES
<u>Record of Decision Amendment, Site 39 Inland Ranges (dated August 25, 2009 and signed September 30, 2009)</u>	1267A.1039	FTO-039_SITE 39 INLAND RANGES
<u>Explanation of Significant Differences Excavation and Segregation of Spent Ammunition from Soil Site 39 (October 31, 2003)</u>	1267A.1039	FTO-039_SITE 39 INLAND RANGES
<u>Record of Decision Disposal and Reuse Final Supplemental Environmental Impact Statement (June 18, 1997)</u>	All sites	All sites
<u>Explanation of Significant Differences (ESD) No. 1 to the Remedial Investigation Sites Record of Decision (RI Sites ROD) (February 1, 2016)</u>	1267A.1003	FTO-003 BEACH TRAINFIRE RANGES
<u>Record of Decision Operable Unit 1, Fritzsche Army Airfield Fire Drill Area (July 25, 1995)</u>	1267A.1043	FTO-041_SITE 41 FAAF FIRE DRILL AREA (OU
<u>Explanation of Significant Differences, Operable Unit 1 Off-Site Groundwater Remediation, Former Fort Ord, California (August 12, 2010)</u>	1267A.1043	FTO-041_SITE 41 FAAF FIRE DRILL AREA (OU

Associated ROD/DD Name	Site WBS	Site Name
Record of Decision Operable Unit 2 (July 15, 1994)	1267A.1046	FTO-053_LANDFILL (OU2)
Explanation of Significant Differences, Operable Unit 2, Fort Ord Landfill (August 3, 1995)	1267A.1046	FTO-053_LANDFILL (OU2)
Explanation of Significant Differences, Area A, Operable Unit 2, Fort Ord Landfill (August 13, 1996)	1267A.1046	FTO-053_LANDFILL (OU2)
Operable Unit 2 Explanation of Significant Differences Record of Decision, Corrective Action Management Unit (CAMU), Operable Unit 2 Landfill (January 13, 1997)	1267A.1046	FTO-053_LANDFILL (OU2)
Explanation of Significant Differences, No Further Action for Munitions and Explosives of Concern, Landfill Gas Control, Reuse of Treated Groundwater, Designation of Corrective Action Management Unit (CAMU) Requirements as Applicable or Relevant and Appropriate Requirements (ARARs), OU2, Fort Ord Landfills (October 4, 2006)	1267A.1046	FTO-053_LANDFILL (OU2)
Record of Decision Operable Unit Carbon Tetrachloride Plume (February 6, 2008)	1267A.1045	FTO-044_RESERVATION ROAD SITE
Interim Record of Decision Site 3 Beach Trainfire Ranges, Fort Ord (January 13, 1997)	1267A.1003	FTO-003_SITE 3-BEACH TRAINFIRE RANGES
Record of Decision, Interim Action For Ordnance and Explosives at Ranges 43-48, Range 30A, and Site OE-16 (September 13, 2002)	1267A.1061	FTO-014-R-01_MULTI-USE RANGE AREA - BLM
Final Record of Decision, No Action Regarding Ordnance-Related Investigation, Former Fort Ord, California (July 2, 2002)	Various Sites	Various Sites

Associated ROD/DD Name	Site WBS	Site Name
Explanation of Significant Differences (Track 0 ROD), Final Record of Decision, No Action Regarding Ordnance-Related Investigation, Former Fort Ord, California (April 26, 2005)	1267A.1003	FTO-003_SITE 3-BEACH TRAINFIRE RANGES
Record of Decision, No Further Action Related to Munitions and Explosives of Concern – Track 1 Sites, No Further Remedial Action with Monitoring for Ecological Risks from Chemical Contamination at Site 3 (MRS-22), Former Fort Ord, California (April 6, 2005)	1267A.1003, 1267A.1050	FTO-003_SITE 3-BEACH TRAINFIRE RANGES, FTO-006-R-01_COASTAL SMALL ARMS RANGE
Record of Decision Parker Flats Munitions Response Area Track 2 Munitions Response Site, Former Fort Ord, California (August 26, 2008)	1267A.1066	FTO-020-R-01_PARKER FLATS
Explanation of Significant Differences No. 1 Record of Decision Parker Flats Munitions Response Area Track 2 Munitions Response Site, Former Fort Ord, California (May 21, 2018)	1267A.1066	FTO-020-R-01_PARKER FLATS
Record of Decision Del Rey Oaks Munitions Response Area Track 2 Munitions Response Site, Former Fort Ord, California (October 6, 2008)	1267A.1062	FTO-015-R-01_MULTI-USE RANGE AREA - DRO
Record of Decision Track 2 Munitions Response Site 34, Fritzsche Army Airfield, Former Fort Ord, California (September 3, 2015)	1267A.1056	FTO-021-R-01_ROCKET RANGE AREA (FAAF)
Record of Decision Track 2 Bureau of Land Management Area B and Munitions Response Site 16, Former Fort Ord, California (May 3, 2017)	Various Sites: 1267A.1049, 1267A.1053, 1267A.1060, 1267A.1068, 1267A.1069	Various Sites: FTO-004-R-01_BLM-NORTH, FTO-005-R-01_BLM-NORTH- XD, FTO-016-R-01_MULTI-USE RANGE AREA – IA, FTO-002-R-01_BLM-EAST OTHER
Record of Decision, Impact Area Munitions Response Area Track 3	1267A.1061	FTO-014-R-01_MULTI-USE RANGE AREA - BLM

Associated ROD/DD Name	Site WBS	Site Name
Munitions Response Site, Former Fort Ord, California (May 15, 2008)		
Record of Decision, Interim Action Ranges Munitions Response Area, Former Fort Ord, California (January 18, 2017)	1267A.1060	FTO-016-R-01_MULTI-USE RANGE AREA - IA
Record of Decision, Group 1, Seaside and Parker Flats (Phase II) Munitions Response Areas, Former Fort Ord, California (September 25, 2018)	1267A.1063, 1267A.1066	FTO-018-R-01_MULTI-USE RANGE AREA - SEA, 1267A.1066 FTO-020-R-01_PARKER FLATS
Record of Decision, Group 2, California State University Monterey Bay Off-Campus Munitions Response Area, Former Fort Ord, California (February 26, 2015)	1267A.1051, 1267A.1053	FTO-007-R-01_CSUMB, FTO-005-R-01_BLM-NORTH- XD
Record of Decision, Group 3, Del Rey Oaks / Monterey, Laguna Seca Parking, and Military Operations in Urban Terrain Site Munitions Response Areas, Former Fort Ord, California (November 25, 2014)	1267A.1062, 1267A.1064, 1267A.1067	FTO-015-R-01_MULTI-USE RANGE AREA - DRO, FTO-019-R-01_MULTI-USE RANGE AREA - SOUT, FTO-022-R-01_SOUTH RANGE AREA
Record of Decision, Group 4, Future East Garrison Munitions Response Area, Former Fort Ord, California (September 25, 2018)	1267A.1054, 1267A.1055, 1267A.1068	FTO-010-R-01_EAST GARRISON, FTO-011-R-01_EAST GARRISON-OTHER, FTO-011-R-01_EAST GARRISON-OTHER

Results, Actions & Plans

Results	Actions	Plans
IR: Groundwater treatment system operation and groundwater evaluation, monitoring, and optimization efforts continues for OUCTP, OU2 and Sites 2/12. SVE System		IR: Continue groundwater treatment and monitoring in 3 areas (OUCTP, OU2, and Sites 2/12). Continue operation of Sites 2/12 SVE system to optimize groundwater cleanup. Planned

Results	Actions	Plans
<p>monitoring and optimization continues at Sites 2/12. Post injection monitoring continues after enhanced in-situ bioremediation in Area 3A for OUCTP A-Aquifer. Additional wells were installed to better delineate the OUCTP and OU2 plumes. Outreach, data management, property transfer, & landfill O&M continues. Continue to characterize Site 39 following MEC clearance. New OU2 groundwater treatment plant operational in October 2018. Completed the fourth Five-Year Review at the end of FY17 which formalized the closure of several sites.</p> <p>MR: MEC remediation is complete in Units 25 and 28, and underway in Units 31 and 5. Unit 31 was prepared for prescribed burning, however required conditions did not occur in 2018. MEC remediation is also underway in BLM Area B and MRS-16. Two prescribed burns in BLM Area B were completed (2017) and one is being prepared for burning. NFA document for BLM Area C completed. Two RODs and an ESD for the Environmental Services Cooperative Agreement (ESCA) project were signed in FY18.</p>		<p>rebound study for Sites 2/12. Continued operation of the new OU2 groundwater treatment plant. Conduct another event of enhanced in-situ bioremediation for OUCTP A-Aquifer. Outreach, landfill O&M database management, and property transfer will continue. Continue to characterize Site 39 following MEC clearance and continue habitat restoration and monitoring within portions of Fort Ord National Monument.</p> <p>MR: MEC remediation will be completed in Units 31 and 5. Subsurface MEC removals in selected areas will continue to be performed. Initiate excavation and sifting in high risk areas. Implement habitat monitoring and restoration in required areas. Conduct prescribed burning in units where vegetation was cut to conduct MEC remediation. Complete the remedial action in BLM Area B and MRS-16 and implement the land use controls. Oversight of the ESCA project will continue.</p>

LAND USE CONTROLS (LUC) SUMMARY

LUC Title	Site
DEEDS	1267A.1045
EXCAVATION AND SITE REUSE	1267A.1062
EXCAVATION AND SITE USE	1267A.1051
EXCAVATION AND SITE USE	1267A.1060
EXCAVATION AND SITE USE	1267A.1061
EXCAVATION AND SITE USE	1267A.1065
EXCAVATION AND SITE USE	1267A.1066