

FY2013

WAIKAKALAUA AMMO STORAGE TUNNELS
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 (USAEC), Waikakalaua Ammunition Storage Tunnels (WAST), 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
bgs	below ground surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CTT	Closed, Transferring, and Transferred
DD	Decision Document
DERP	Defense Environmental Restoration Program
DMM	Discarded Military Munitions
DoD	Department of Defense
EOD	Explosive Ordnance Disposal
FRA	Final Remedial Action
FS	Feasibility Study
FY	Fiscal Year
GPS	Global Positioning System
HDOH	Hawaii Department of Health
HRR	Historical Records Review
IAP	Installation Action Plan
IMCOM-P	Installation Management Command, Pacific Region
IRA	Interim Remedial Action
K	thousand
LTM	Long-Term Management
MC	Munitions Constituents
MD	Munitions Debris
MEC	Munitions and Explosives of Concern
MMRP	Military Munitions Response Program
MR	Munitions Response
MRS	Munitions Response Site
MRSPP	Munitions Response Site Prioritization Protocol
N/A	Not Applicable
NCP	National Contingency Plan
NPL	National Priorities List
PA	Preliminary Assessment
PBA	Performance-Based Acquisition
RA	Remedial Action
RA(C)	Remedial Action - Construction
RAB	Restoration Advisory Board
RAC	Risk Assessment Code
RACR	Remedial Action Completion Report
RC	Response Complete
RD	Remedial Design
RI	Remedial Investigation
RIP	Remedy-in-Place
ROD	Record of Decision
SI	Site Inspection
TAPP	Technical Assistance for Public Participation
TD	Transferred

Acronyms

TPP	Technical Project Planning
TRC	Technical Review Committee
USAEC	US Army Environmental Command
USC	US Code
USEPA	US Environmental Protection Agency
UXO	Unexploded Ordnance
WAST	Waikakalaua Ammunition Storage Tunnel

Installation Information

Installation Locale

Installation Size (Acreage): 176

City: Mililani

County: Honolulu

State: Hawaii

Other Locale Information

The WAST site is located in central Oahu, immediately south of Wheeler Army Airfield (Wheeler) and southwest of the town of Mililani. The installation lies within Waikele Gulch, along Waikele Stream. Initially, Waikakalaua was comprised of 315.16 acres; however, the northernmost portion of the installation was transferred to Wheeler, and a small portion was subsequently transferred to a private golf course. The installation is now comprised of 176 acres.

Installation Mission

Waikakalaua consisted of 52 tunnels built into the hillside and used for ammunition storage. The mission of Waikakalaua was to provide ammunition storage for the Army during and after World War II. Ordnance storage tunnels and underground fuel storage tanks are reported to have been constructed between 1942 and 1945, and the installation was active until the 1950s. Since then it has remained inactive and undeveloped. Agricultural activity occurs on private property within a portion of the Storage Tunnel 24A transferred (TD) munitions response site (MRS).

Lead Organization

IMCOM

Lead Executing Agencies for Installation

US Army Environmental Command (USAEC)

Regulator Participation

State Hawaii Department of Health (HDOH)

National Priorities List (NPL) Status

WAIKAKALAUA AMMO STORAGE TUNNELS is not on the NPL

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

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

Installation Program Summaries

MMRP

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

Affected Media of Concern: Soil

5-Year / Periodic Review Summary

5-Year / Periodic Review Summary

Status	Start Date	End Date	End FY
Planned	201710	201809	2018

5-Year / Periodic Review Details

Associated ROD/DD Name	Sites
Future ROD for MMRP sites	WAST-001-R-01, WAST-002-R-01

Cleanup Program Summary

Installation Historic Activity

A preliminary assessment (PA), the final closed, transferring, and transferred (CTT) inventory report, was completed for the WAST site in October 2002 as part of the Military Munitions Response Program (MMRP). A site inspection (SI) was completed in fiscal year (FY) 2008 and a remedial investigation (RI) was contracted in 2008. The RI was submitted in FY2012.

Installation Program Cleanup Progress

MMRP

Prior Year Progress: WAST-001-R-02 and WAST-002-R-02 no further action (NFA) proposed plan (PP)/decision document (DD) will be completed in FY2013. An RI Addendum WP and an RI Addendum for WAST-001-R-01 and WAST-002-R-01 will be completed in FY2013.

Future Plan of Action: WAST-001-R-01 and WAST-002-R-01 were contracted/funded in FY12 to achieve remedy-in-place (RIP)/response complete (RC) by September 2016. A feasibility study (FS), PP, and DD are scheduled to be completed in FY2014 and a remedial design (RD) and remedial action completion report (RACR) are scheduled to be completed by FY2015 for WAST-001-R-01 and WAST-002-R-01.

WAIKAKALAU A AMMO STORAGE TUNNELS
Army Defense Environmental Restoration Program
Military Munitions Response Program

MMRP Summary

Installation Total Army Environmental Database-Restoration (AEDB-R) Sites/Closeout Sites Count: 5/1

Installation Site Types with Future and/or Underway Phases

4 Unexploded Munitions/Ordnance
(WAST-001-R-01, WAST-001-R-02, WAST-002-R-01, WAST-002-R-02)

Most Widespread Contaminants of Concern

Metals, 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 200204

Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC): 201609/201609

Date of MMRP completion including Long Term Management (LTM): 201609

MMRP Contamination Assessment

Contamination Assessment Overview

The Department of Defense (DoD) established the MMRP under the Defense Environmental Restoration Program (DERP) to address DoD sites with MEC, including unexploded ordnance (UXO), discarded military munitions (DMM), and MCs. The US Army's inventory of CTT military ranges and sites, identified two sites eligible for action under the MMRP. The MMRP eligible sites include other than operational ranges where UXO, DMM and MC are known or suspected. Properties classified as operational ranges are not eligible. Therefore, they are excluded from the MMRP.

The MMRP started in the early 2000s as a result of key drivers such as processes outlined in the National Contingency Plan (NCP) NCP - 40 CFR 300, as authorized by the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), 42 US Code (USC) 9605, as amended by the Superfund Amendments and Reauthorization Act of 1986, Pub. L. 99-499. The process began with three phases of range inventories. Phase I consisted of installations completing an initial data call. The USAEC managed the implementation of Phases II and III of the MMRP inventory. The Phase II inventory dealt with operational range considerations. Phase III involved the CTT range inventory conducted in 2002. The PA included extensive site mapping, data collection for upload to the AEDB-R, the conduct of an assessment on explosives safety risk using the risk assessment code (RAC) methodology, and the determination of which sites on the inventory qualified for the MMRP.

In October 2002, a PA (final CTT inventory report) was completed for WAST. Two MMRP sites were identified at the installation: a closed munitions site (Storage Tunnel 24A) and an off-installation munitions site [Storage Tunnel 24A (TD)].

An SI was conducted for both MRS; the work began as early as FY2007. The SI was completed in two phases. The historical records review (HRR) was the initial step in the MMRP SI process. In January 2007, the final HRR was submitted to the Waikakalaua stakeholders. The primary goal of the HRR was to perform a records search to document historical and other known information for the MRS at WAST in order to supplement the information developed during the range inventory and to support the technical project planning (TPP) process. The information presented in the HRR helped to facilitate decision-making processes to determine the next steps to be taken in the SI process for the MRSs at Waikakalaua. The SI field activities were conducted at the above mentioned sites at WAST in April and May 2007. Field activities included visual surveys, geophysical surveys, and surface soil sampling. In addition, two follow-on field efforts were conducted to build a fence and install warning signs around a portion of the site in December 2007, and to conduct additional visual surveys in June 2008. The SI, which was completed in September 2008, recommended further investigations for MEC and MC at both sites.

A performance-based acquisition (PBA) contract was awarded in FY2008 to perform an RI at both closed munitions sites (Storage Tunnel 24A) and an off-installation munitions site [Storage Tunnel 24A (TD)] for further investigation of MEC and MC at the sites. The RI was submitted in FY2012.

Also in FY2012, site WAST-001-R-01 was split into two sites (WAST-001-R-01 and WAST-001-R-02). WAST-002-R-01 also was split into two sites (WAST-002-R-01 and -02). Each of the new sites comprises the portion of the original site that has no contamination above action levels. Since there are no known or suspected hazards associated with WAST-001-R-02 and WAST-002-R-02, these sites have been recommended for NFA.

Cleanup Exit Strategy

The RI Addendum will be completed in FY2013. Please refer to the site-specific cleanup/exit strategies for future anticipated actions at the MRSs.

MMRP Previous Studies

	Title	Author	Date
2002	Final CTT Inventory Report	TechLaw	OCT-2002
2007	Final Historical Records Review	TLI Solutions, Inc.	JAN-2007
	Final Site Inspection Work Plan for Fort Shafter, Makua MR, Schofield Barracks, Wheeler Army Airfield, and Waikakalaua Ammo Storage Tunnels	TLI Solutions, Inc.	MAR-2007
2008	Final SI Report	TLI Solutions, Inc.	SEP-2008
2009	Work Plan, Remedial Investigation, Waikakalaua Ammunition Storage Tunnel 24A (WAST-001-R-01) and Waikakalaua Ammunition Storage Tunnel 24A (TD) (WAST-002-R-01), Oahu, Hawaii	Shaw Environmental, Inc.	SEP-2009
2010	Community Involvement Plan, Remedial Investigation, Waikakalaua Ammunition Storage Tunnel 24A (WAST-001-R-01) and Waikakalaua Ammunition Storage Tunnel 24A (TD) (WAST-002-R-01), Oahu, Hawaii	Shaw Environmental, Inc	MAR-2010
2013	Proposed Plans for Waikakalaua Ammunition Storage Tunnel 24A (WAST-001-R-02) and Waikakalaua Ammunition Storage Tunnel 24A (TD) (WAST-002-R-02), Oahu, Hawaii	Weston Solutions, Inc.	JAN-2013

WAIKAKALAU A AMMO STORAGE TUNNELS

Military Munitions Response Program

Site Descriptions

Site ID: WAST-001-R-01

Site Name: STORAGE TUNNEL 24A

STATUS

Regulatory Driver: CERCLA

MRSPP Score: 03

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

Media of Concern: Soil

Phases	Start	End
PA.....	200204.....	200305
SI.....	200604.....	200809
RI/FS.....	200809.....	201309
RD.....	201201.....	201409
RA(C).....	201201.....	201609

RIP Date: N/A

RC Date: 201609

SITE DESCRIPTION

WAST consisted of 52 tunnels that were built into the hillside to provide ammunition storage for the Army during and after World War II. The site was located at the southern end of the WAST and adjacent to Wheeler and was used to store anti-tank and rifle fragmentation grenades. According to Army-Navy Explosives Safety Board Abstract Number 28, tunnel #24A exploded in 1946 blowing large pieces of the concrete baffle out of the tunnel and across the gulch with such force that it destroyed a railroad track 300 feet away and caused a 20-foot depression to form above the tunnel. An arc plus/minus 10 degrees from the center of the tunnel entry, at a distance of 1,800 feet from the front of the tunnel, was developed based upon standards for the type and amount of munitions stored, the storage facility involved, and equations yielding the fragmentation distance taken from the DoD Ammunition and Explosives Safety Standard Manual, 1993. The size of the site has been estimated at 23.82 acres. Most of the impacted area lies outside of the installation boundary. The nearest surface water, Waikele stream, flows through the site and groundwater is approximately 275 feet below ground surface (bgs).

An SI was completed in 2008. During the SI, the MEC items such as M9A1 rifle grenade warheads and 0.30 caliber blank rounds, and munitions debris (MD) items including fragments of additional M9A1 rifle grenades were identified along the gulch wall opposite the former tunnel entrance. Although the MEC and MD items were found within the Storage Tunnel 24A (TD) MRS, it is assumed that MEC and MD are potentially located in the near proximity of the site. All of the MEC items recovered were destroyed by explosive ordnance disposal (EOD) personnel. Two M9A1 rifle grenades were also discovered and destroyed during EOD operations performed at the site on May 1, 2007. No MEC or MD was observed during visual surveys conducted near the lower elevations of the eastern gulch wall and above and surrounding the tunnel entrance.

An additional visual survey of the streambed of Waikele Stream located to the south of the MRS in June 2008, three additional MEC and one MD item were identified on Army property. The items were all complete or fragments of M9A1 rifle grenades. The SI soil analytical results indicated metals were detected below US Environmental Protection Agency (USEPA) Region IX preliminary remediation goals (PRGs) with the exception of manganese. Four of the ten samples collected from this site had concentrations of manganese ranging from 1,770 milligrams (mg)/kilograms (kg) to 4,000 mg/kg, which exceeded the USEPA Region IX PRG of 1,760 mg/kg. No explosive residues were detected in any of the samples collected from the site. The SI recommended the site be further investigated for MEC and MC. Moreover, a fence and warning signs were installed around the area where MEC was detected during the SI. In December 2008, severe rains caused heavy flooding at the site. As a result of the high volumes of water that flowed down the stream during that rain event, the stream bed was widened significantly.

An RI was contracted in 2008 and the final RI report was completed in November 2011. The RI recommended a portion of the site to continue with the CERCLA process which includes FS, PP, DD, RD, remedial action (construction) [RA(C)], and LTM. All phases except for LTM were funded in FY2012. The other portion of the site (southern portion of the RI boundary near the beginning of Navy property) was recommended to be NFA. This NFA portion has been split out to a separate MRS (WAST-001-R-02).

Due to data gaps in the 2011 RI, a PBA contract was awarded in FY2012 to complete an RI Addendum. The RI Addendum report is scheduled to be completed in FY2013. LTM for this site will be done in house, therefore there is no future cost associated with this site.

Site ID: WAST-001-R-01
Site Name: STORAGE TUNNEL 24A

CLEANUP/EXIT STRATEGY

The site is expected to undergo an FS, RD, RA and LTM. RAs include surface MEC removal, capping of seven acres and approximately 3,400 linear feet of perimeter boundary fencing. MEC institutional controls will be implemented and five-year reviews will take place during LTM. MC is not expected to be present at levels requiring RA.

Site ID: WAST-001-R-02
Site Name: NFA portion of WAST 24A

STATUS

Regulatory Driver: CERCLA
MRSPP Score: No known or suspected hazard
Contaminants of Concern: Munitions and explosives of concern (MEC)
Media of Concern: Soil

Phases	Start	End
PA.....	200204.....	200305
SI.....	200604.....	200809
RI/FS.....	200809.....	201309
RIP Date:	N/A	
RC Date:	201310	

SITE DESCRIPTION

WAST consisted of 52 tunnels that were built into the hillside to provide ammunition storage for the Army during and after World War II. The site was located at the southern end of the WAST and adjacent to Wheeler and was used to store anti-tank and rifle fragmentation grenades. According to Army-Navy Explosives Safety Board Abstract Number 28, tunnel #24A exploded in 1946 blowing large pieces of the concrete baffle out of the tunnel and across the gulch with such force that it destroyed a railroad track 300 feet away and caused a 20-foot depression to form above the tunnel. An arc plus/minus 10 degrees from the center of the tunnel entry, at a distance of 1,800 feet from the front of the tunnel, was developed based upon standards for the type and amount of munitions stored, the storage facility involved, and equations yielding the fragmentation distance taken from the DoD Ammunition and Explosives Safety Standard Manual, 1993. The size of the site has been estimated at 23.82 acres. Most of the impacted area lies outside of the installation boundary. The nearest surface water, Waikele stream, flows through the site and groundwater is approximately 275 feet bgs.

An SI was completed in 2008. During the SI, the MEC items such as M9A1 rifle grenade warheads and 0.30 caliber blank rounds, and MD items including fragments of additional M9A1 rifle grenades were identified along the gulch wall opposite the former tunnel entrance. Although the MEC and MD items were found within the Storage Tunnel 24A (TD) MRS, it is assumed that MEC and MD are potentially located in the near proximity of the site. All of the MEC items recovered were destroyed by EOD personnel. Two M9A1 rifle grenades were also discovered and destroyed during EOD operations performed at the site on May 1, 2007. No MEC or MD was observed during visual surveys conducted near the lower elevations of the eastern gulch wall and above and surrounding the tunnel entrance.

An additional visual survey of the streambed of Waikele Stream located to the south of the MRS in June 2008, three additional MEC and one MD item were identified on Army property. The items were all complete or fragments of M9A1 rifle grenades. The SI soil analytical results indicated metals were detected below USEPA Region IX PRGs with the exception of manganese. Four of the ten samples collected from this site had concentrations of manganese ranging from 1,770 mg/kg to 4,000 mg/kg, which exceeded the USEPA Region IX PRG of 1,760 mg/kg. No explosive residues were detected in any of the samples collected from the site. The SI recommended the site be further investigated for MEC and MC. Moreover, a fence and warning signs were installed around the area where MEC was detected during the SI. In December 2008, severe rains caused heavy flooding at the site. As a result of the high volumes of water that flowed down the stream during that rain event, the stream bed was widened significantly.

An RI was contracted in 2008 and the final RI report was completed in November 2011. The RI recommended a portion of the site (southern portion of the RI boundary near the beginning of Navy property) to be NFA. The other portion of the site (WAST-001-R-01) was recommended to continue with the CERCLA process. There are no future costs associated with this MRS and therefore, it is a no cost site.

CLEANUP/EXIT STRATEGY

An NFA decision is anticipated for this site.

Site ID: WAST-002-R-01
Site Name: STORAGE TUNNEL 24A (TD)

STATUS

Regulatory Driver: CERCLA

MRSPP Score: 02

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

Media of Concern: Soil

Phases	Start	End
PA.....	200204.....	200305
SI.....	200604.....	200809
RI/FS.....	200809.....	201309
RD.....	201201.....	201409
RA(C).....	201201.....	201609

RIP Date: N/A

RC Date: 201609

SITE DESCRIPTION

This site was a concern because munitions may have been deposited outside of and downstream of an explosion which occurred in the tunnel in 1946. The site is comprised of non-Army-owned land to the east, west, and south of the exploded tunnel. Due to the force of the explosion and its dispersion radius, munitions may have migrated into the surrounding areas within the proximity of the explosion. The site, which is estimated at 165.82 acres, encompasses three parcels:

- One parcel extends to the west of the WAST boundary which represent the main blast area,
- A second parcel extends to the east which is behind the tunnel entrance, and
- A third parcel is Navy-owned property south of the site within the Waikele Stream floodplain.

The site is composed of the impacted areas from this explosion, including the gulch wall opposite, the agricultural lands above on both sides of the tunnel, and the affected stream bed which is not on Army property. The nearest surface water, Waikele stream, flows through the site and groundwater is approximately 275 feet bgs.

An SI was completed in 2008. During the SI, the MEC items such as M9A1 rifle grenade warheads and 0.30 caliber blank rounds, and MD items including fragments of additional M9A1 rifle grenades were identified along the gulch wall opposite the former tunnel entrance.

Additional visual surveys were conducted within the streambed of Waikele Stream in June 2008 on property owned by the Navy that is south of the WAST. No MEC or MD items were observed within the Navy property; however, the stakeholders have determined that the area within the bed of Waikele Stream requires additional investigation.

The SI soil analytical results indicated that arsenic and manganese were detected in a concentration that exceeded its respective environmental action levels. In additional, explosive residues were detected in samples and are below screening levels. The SI recommended the site be further investigated for MEC and MC. Due to the presence of MEC items on the property that is owned by Robinson Kunia Land, LLC and leased by Waikele Farms, the area where MEC was found was fenced and warning signs were instituted as part of the SI to prevent civilians from being exposed to additional MEC items.

An RI was contracted in 2008 and the final RI report was completed in November 2011. The RI recommended a portion of the site to continue with the CERCLA process which includes FS, PP, DD, RD, RA(C), and LTM. All phases except for LTM was funded in FY2012. The other portion of the site was recommended to be NFA. This NFA portion has been split out to a separate MRS (WAST-002-R-02).

Due to data gaps in the 2011 RI, a PBA contract was awarded in FY12 to complete an RI Addendum. The RI Addendum report is scheduled to be completed in FY2013.

LTM for this site will be done in-house; therefore there are no future costs associated with this site.

Site ID: WAST-002-R-01
Site Name: STORAGE TUNNEL 24A (TD)

CLEANUP/EXIT STRATEGY

This site is expected to undergo an FS followed by RA such as MEC removal action. MEC institutional controls will be implemented and five-year reviews will take place during LTM. MC is not expected to be present at levels requiring RA.

Site ID: WAST-002-R-02
Site Name: NFA portion of WAST 24A (TD)

STATUS

Regulatory Driver: CERCLA
MRSPP Score: No known or suspected hazard

Phases	Start	End
PA.....	200204.....	200305
SI.....	200604.....	200809
RI/FS.....	200809.....	201309
RIP Date:	N/A	
RC Date:	201310	

SITE DESCRIPTION

This site was a concern because munitions may have been deposited outside of and downstream of an explosion which occurred in the tunnel in 1946. The site is comprised of non-Army-owned land to the east, west, and south of the exploded tunnel. Due to the force of the explosion and its dispersion radius, munitions may have migrated into the surrounding areas within the proximity of the explosion. The site, which is estimated at 165.82 acres, encompasses three parcels:

- One parcel extends to the west of the WAST boundary which represent the main blast area,
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The site is composed of the impacted areas from this explosion, including the gulch wall opposite, the agricultural lands above on both sides of the tunnel, and the affected streambed which is not on Army property. The nearest surface water, Waikele stream, flows through the site and groundwater is approximately 275 feet bgs.

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An RI was contracted in 2008 and the final RI report was completed in November 2011. The RI recommended a portion of the site to be NFA. The other portion of the site (WAST-002-R-01) was recommended to continue with the CERCLA process. There are no future costs associated with this MRS and therefore, it is a no cost site.

CLEANUP/EXIT STRATEGY

An NFA decision is anticipated for this site.

Site Closeout (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
PBA@MR WAIKAKA	PBA@MMRP Waikakalaua	200809	Fully funded in FY08

MMRP Schedule

Date of MMRP Inception 200204

Past Phase Completion Milestones

2003

PA (PBA@MR WAIKAKA - PBA@MMRP Waikakalaua, WAST-001-R-01 - STORAGE TUNNEL 24A, WAST-001-R-02 - NFA portion of WAST 24A , WAST-002-R-01 - STORAGE TUNNEL 24A (TD), WAST-002-R-02 - NFA portion of WAST 24A (TD))

2008

RI/FS (PBA@MR WAIKAKA - PBA@MMRP Waikakalaua)

SI (WAST-001-R-01 - STORAGE TUNNEL 24A, WAST-001-R-02 - NFA portion of WAST 24A , WAST-002-R-01 - STORAGE TUNNEL 24A (TD), WAST-002-R-02 - NFA portion of WAST 24A (TD))

Additional Past Phase Completion Milestones

PA - 200305

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
WAST-002-R-01	STORAGE TUNNEL 24A (TD)	Future ROD for MMRP sites	20130901
WAST-001-R-01	STORAGE TUNNEL 24A	Future ROD for MMRP sites	20130901

Final RA(C) Completion Date: 201609

Schedule for Next Five-Year Review: 2018

Estimated Completion Date of MMRP at Installation (including LTM phase): 201609

WAIKAKALAU A AMMO STORAGE TUNNELS MMRP Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY14	FY15	FY16	FY17	FY18	FY19+
WAST-001-R-01	STORAGE TUNNEL 24A	RD						
		RA(C)						
SITE ID	SITE NAME	PHASE	FY14	FY15	FY16	FY17	FY18	FY19+
WAST-002-R-01	STORAGE TUNNEL 24A (TD)	RD						
		RA(C)						

Community Involvement

Technical Review Committee (TRC): None

Community Involvement Plan (Date Published): 201003

Restoration Advisory Board (RAB): No

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

Community Interest Solicited on: 201108

Efforts Taken to Determine Interest

Interest in a RAB was solicited in the Honolulu Star Advertiser from Aug. 28 to 30, 2011.

Results

Public interest was not sufficient to warrant the establishment of a RAB.

Follow-up Procedures

Interest in a RAB will be solicited in FY2013.

Additional Community Involvement Information

A community involvement plan was developed. US Army Garrison-Hawaii solicited community interest in a RAB as part of the MMRP RI/FS process in FY2011. The amount of interest received indicated no need for the establishment of a RAB.

Administrative Record is located at

Directorate of Public Works (DPW)
948 Santos Dumont Ave, Bldg. 105
Wheeler AAF, Schofield Barracks, HI 96857-5013

Information Repository is located at

Mililani Public Library
95-450 Makaimoimo Street
Mililani, Hawaii 96789
(808) 627-7470

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

TAPP Title: N/A

Potential TAPP: N/A

