

FY2012

FORT WINGATE DEPOT ACTIVITY

**Base Realignment & Closure
Installation Action Plan**

Table of Contents

<i>Statement Of Purpose</i>	1
<i>Installation Information</i>	2
<i>Cleanup Program Summary</i>	5
<i>Installation Restoration Program</i>	6
BRAC-IRP Summary.....	7
BRAC-IRP Contamination Assessment.....	8
<i>Installation Restoration Program Site Descriptions</i>	9
FTWG-01 TNT Beds, Deact Furn, Other Bldngs.....	10
FTWG-07 Lake Knudson Area.....	11
FTWG-10 POL Area, RR Classification Yard.....	12
FTWG-11 Admin Area, Sewage Treatment Plant.....	13
FTWG-12 Eastern Landfill.....	14
FTWG-18 Former Structures or Buildings.....	15
FTWG-21 Igloo Block A.....	16
FTWG-26 Aerial Photo Feature.....	17
FTWG-27 Igloo Blocks E,F,G, T-422, P-Range.....	18
FTWG-28 Group C Landfill, West Rifle Range.....	19
FTWG-30 Central Landfill.....	20
FTWG-36 POL Area, Fmr Admin and Utilities.....	21
FTWG-38 Igloo Bock D, Ammo Workshop.....	22
FTWG-49 Igloo Block C.....	23
FTWG-63 W Landfill,TNT Wrkshp,Igloo Blk B.....	24
<i>Installation Restoration Program Schedule</i>	25
Installation Restoration Program Schedule Chart.....	26
<i>Military Munitions Response Program</i>	28
BRAC-MMRP Summary.....	29
BRAC-MMRP Contamination Assessment.....	30
<i>Military Munitions Response Program Site Descriptions</i>	31
FTWG-001-R-01 F. Test Range 2/3, Other Bldgs.....	32
FTWG-002-R-01 OB/OD Area.....	33
FTWG-003-R-01 Functional Test Range 1.....	35
<i>Military Munitions Response Program Schedule</i>	36
Military Munitions Response Program Schedule Chart.....	37

Table of Contents

Natural and Cultural Resources Program..... 38

 BRAC-NCR Summary..... 39

Natural and Cultural Resources Program Schedule..... 40

Community Involvement..... 41

Statement of Purpose

The purpose of the Base Realignment and Closure (BRAC) Installation Action Plan (BIAP) 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 BRAC environmental coordinator (BEC), the US Army Environmental Command (USAEC), the US Army Corps of Engineers (USACE), Fort Wingate Depot Activity (FWDA), the regulatory agencies, executing agencies, the Navajo Nation, the Pueblo of Zuni, the BRAC division and the public, a BIAP was completed. The BIAP is used to track requirements, schedules and tentative budgets for all 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.

Installation Information

Installation Program Summaries

BRAC-IRP

Total Number of Sites:	43
Number of sites at RIP:	0
Number of sites at RC:	28
Number of sites at RC with LTM:	0
Primary Contaminants of Concern:	Asbestos, Explosives, Metals, Munitions and explosives of concern (MEC), Perchlorate, Pesticides, Polychlorinated Biphenyls (PCB), Polycyclic Aromatic Hydrocarbons (PAH), Semi-volatiles (SVOC), Volatiles (VOC), White Phosphorous
Affected Media of Concern:	Groundwater, Sediment, Soil, Surface Water

BRAC-MMRP

Total Number of Sites:	5
Number of sites at RIP:	0
Number of sites at RC:	2
Number of sites at RC with LTM:	0
Primary Contaminants of Concern:	Explosives, Metals, Munitions and explosives of concern (MEC), Munitions constituents (MC), Perchlorate, Pesticides, Polychlorinated Biphenyls (PCB), Polycyclic Aromatic Hydrocarbons (PAH), Semi-volatiles (SVOC), Volatiles (VOC)
Affected Media of Concern:	Groundwater, Sediment, Soil, Surface Water

BRAC-NCR

Primary Concerns:

Installation Information

Installation Locale

BRAC Round: BRAC I
Installation Size (Acreage): 21,131.00
Retained by Component (Acreage): 6,465.00
BRAC Acreage: 14,666.00
Acres being transferred to another service: 0.00
Acres being transferred to other federal agencies: 0.00
Acres being transferred to non-federal agencies: 0.00

City: Gallup

County: McKinley

State: New Mexico

Other Locale Information

FWDA currently occupies 15,280 acres of land in northwestern New Mexico, in McKinley County. The installation is located eight miles east of Gallup (population 20,209) on United States (US) Route 66 and approximately 130 miles west of Albuquerque on Interstate 40. McKinley County has a population of 74,798, comprised of 74 percent Native American, 15 percent White, and 11 percent Hispanic. McKinley County, located on the Colorado Plateau, is primarily rural, with small villages scattered among large tracts of state, tribal, and federal lands. Gallup has a varied base of service, government, mining and refinery industries, and Native American jewelry production. Tourism attracts thousands of visitors annually, and Native American culture yields a significant economic influence. Local industries include printing, sheet metal products, food products, pinon nut gathering, and cattle and sheep by-products. Heavier manufacturing includes gasoline refining, a natural gas compressor station, and coal mining. The natural resource base includes uranium reserves and coal.

The installation is almost entirely surrounded by federally owned or administered lands, including both national forest and tribal lands. North and west of FWDA are Navajo Tribal trust and allotted lands. The lands administered by the Bureau of Indian Affairs (BIA) lie east of FWDA. Development north of FWDA includes Red Rock State Park, a Zuni railroad siding, an El Paso Natural Gas fractioning plant and housing area, the Navajo community of Church Rock, and transportation corridors for Interstate 40, US Highway 66, and the Burlington, Northern, and Santa Fe Railroad. The town of Fort Wingate, located immediately east of FWDA on BIA-administered land, was the original Fort Wingate headquarters site. To the south and southeast is the largely undeveloped Cibola National Forest. The land to the west is mostly undeveloped and is tribal trust and allotment land administered by BIA, the Navajo Nation, and individual Native American allottees.

Parcels 1, 15, and 17, totaling 5,854 acres, have already been transferred to the Department of Interior (DOI).

List of Off-Post Properties

N/A

Environmental Condition of Property

BRAC Round: BRAC I

	CERCLA	MMRP
Acres in Category 1:	8,076.00	0.00
Acres in Category 2:	0.00	0.00
Acres in Category 3:	0.00	0.00
Acres in Category 4:	0.00	0.00
Acres in Category 5:	0.00	0.00
Acres in Category 6:	6,590.00	2,678.00
Acres in Category 7:	0.00	0.00

Lead Organization

Base Realignment and Closure Division

Lead Executing Agencies for Installation

US Army Corps of Engineers (USACE), Fort Worth District

Regulator Participation

Federal US Environmental Protection Agency (USEPA), Region VI
State New Mexico Environment Department (NMED)

BRAC Closure Round: BRAC I - Base Realignment And Closure 1988

Installation Information

Status of Redevelopment Initiative (Reuse Plan)

Redevelopment Plan Date: 200509

Organization Name: None

Existing Legal Agreements/Interim Leases

Parcel Name	Actual Lease/License Date	Length of Lease/License	Licensee
N/A			

Significant Base Tenants

US Department of Agriculture
Missile Defense Agency (MDA)
Navajo Nation
Pueblo at Zuni

Projected Date of Final Transfer of Property: 202009

National Priorities List (NPL) Status

FORT WINGATE DEPOT ACTIVITY is not on the NPL

Date for NPL Deletion: TBD

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

RAB established 1994

Cleanup Program Summary

Previous Year Planned versus Actual Progress

Installation Program Cleanup Progress

BRAC-IRP

Prior Year Progress: The Army completed notification requirements for the remedy completion at Parcels 5A, 12, and 14 and expects NMED approval in the second quarter. Parcels 25, 4B, 5B, 8, and 10A will be transferred. Phase 2 Background work plan and fieldwork will be performed. RFI work plans for parcels 7 and 13 and RFI reports for parcels 4A, 6, 10B, and 23 will be submitted to NMED. An Investigation/Removal work plan for the Eastern Landfill will be submitted. Semi-annual groundwater monitoring continued.

Future Plan of Action: Release Assessment Report for Parcel 24 will be submitted to NMED. Work plans will be finalized and RFI fieldwork will be performed for Parcels 13, and 7. Work plans for removal of eastern landfill and soil at Parcel 4A will be finalized and the removal is expected in FY13. Second phase RFI fieldwork to be performed at Parcels 21, 11, 22, 23, and 6. Parcels 5A, 12, and 14 will be transferred. Semi-annual monitoring will continue.

BRAC-MMRP

Prior Year Progress: Work plans will be finalized and RFI fieldwork will be performed for Parcel 16. The Corrective Action Management Unit (CAMU) permit modification was issued by NMED and the CAMU was constructed. A PBA was awarded for hazardous waste management unit (HWMU) removal and south and east fence construction on Parcel 3, funding for which will be required in FY12-14. HWMU removal work plan was submitted to NMED. Semi-annual groundwater monitoring continued.

Future Plan of Action: The HWMU removal will be completed if funding is provided. The RFI report for parcel 16 will be submitted to NMED. Prepare RFI work plan for parcel 20 (FTR 1). The Army will prepare a work plan for off Depot (Tribal lands) and Parcel 3 surface clearance of 2,400 acres.

BRAC-NCR

Prior Year Progress:

Future Plan of Action:

Installation Exit Strategy

The FWDA Exit strategy for both the IR and MR programs consists of the following points:

- ¿ Prioritize funding of the Hazardous Waste Management Unit (PBA was awarded in FY11) and negotiations with NMED to reduce or eliminate remaining cleanup requirements for Parcel 3 (FTWG-002-R-01, OB/OD). The Army plans to retain this parcel.
- ¿ Focus cleanup on parcel by parcel basis rather than site by site.
- ¿ Reduce time and cost characterization by using multi-incremental sampling as much as possible.
- ¿ Continue to develop strong working relationships with the tribes through consultation.
- ¿ Continue to use the existing Programmatic Agreement with state and tribes to streamline compliance with cultural resources laws and regulations.
- ¿ Continue to help the tribes accelerate document review times by providing funding through cooperative agreements.

FORT WINGATE DEPOT ACTIVITY

Base Realignment and Closure Installation Restoration Program

BRAC-IRP Summary

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

43/28

Sites planned for RIP for FY2013

Site ID	Site Name	Month
N/A		

Sites planned for RC for FY2013

Site ID	Site Name	Month
N/A		

Installation Site Types with Future and/or Underway Phases*

- 1 Building Demolition/Debris Removal (FTWG-18)
- 1 Contaminated Buildings (FTWG-63)
- 4 Landfill (FTWG-10, FTWG-12, FTWG-28, FTWG-30)
- 1 Spill Site Area (FTWG-36)
- 5 Storage Area (FTWG-07, FTWG-21, FTWG-27, FTWG-38, FTWG-49)
- 1 Surface Disposal Area (FTWG-26)
- 1 Surface Impoundment/Lagoon (FTWG-01)
- 1 Waste Treatment Plant (FTWG-11)

Most Widespread Contaminants of Concern*

Asbestos, Explosives, Metals, Munitions and explosives of concern (MEC), Perchlorate, Pesticides, Polychlorinated Biphenyls (PCB), Polycyclic Aromatic Hydrocarbons (PAH), Semi-volatiles (SVOC), Volatiles (VOC), White Phosphorous

Media of Concern*

Groundwater, Sediment, Soil, Surface Water

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

Site ID	Site Name	Action	Remedy	FY	Cost
FTWG-32	COMPLIANCE - UST	FRA	REMOVAL	1996	\$25.0 K
FTWG-33	COMPLIANCE - FIRE HOUSE UST	FRA	OTHER	1997	TBD
FTWG-20	MISSILE LAUNCH SITES	FRA	OTHER	1998	\$20.0 K
FTWG-41	PCB SITES	FRA	REMOVAL	1998	\$793.0 K
FTWG-19	BLDG. 5	FRA	REMOVAL	1999	TBD
FTWG-19	BLDG. 5	IRA	WASTE REMOVAL - SOILS	1999	TBD
FTWG-29	BLDG. 503	FRA	OTHER	1999	TBD
FTWG-22	BUILDING 11	FRA	WASTE REMOVAL - SOILS	2002	\$852.0 K
FTWG-54	WESTERN LANDFILL	FRA	REMOVAL	2002	\$206.7 K
FTWG-42	Site-wide Tasks	FRA	OTHER	2011	TBD

Duration of BRAC-IRP

Date of BRAC-IRP Inception: 198910

Date for Remedy-In-Place (RIP)/Response Complete (RC): 202209/202209

Date of BRAC-IRP completion including Long Term Management (LTM): 203209

*Note: This does not include sites closed prior to installation being identified as BRAC.

BRAC-IRP Contamination Assessment

Contamination Assessment Overview

Environmental restoration activities at FWDA began in 1989 under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) guidelines, as part of the Installation Restoration Program (IRP). The one exception was the OB/OD unit, which proceeded under RCRA guidelines. During the period from 1980 through issuance of the permit in December 2005, a number of environmental investigations were conducted by the Army and other parties (e.g., USEPA and DOI) under both CERCLA and RCRA guidance. Examples of CERCLA investigations/actions conducted at FWDA include a facility-wide enhanced preliminary assessment, a facility-wide remedial investigation and MEC removal actions. Examples of RCRA investigations/actions conducted at FWDA include a facility-wide RCRA facility assessment, and a closure field program in the OB/OD Area.

Prior to issuance of the RCRA permit, approximately 44 solid waste management units (SWMUs) and AOCs had been identified, and these SWMUs and AOCs were at various states of environmental restoration when the permit process began in 2002. The RCRA permit as finalized lists one HWMU (within the OB/OD unit, Parcel 3, FTWG-002-R-01) and a total of 93 SWMUs and AOCs.

The RCRA permit describes closure requirements for the HWMU and the corrective action process for the remaining SWMUs and AOCs. The sites will be addressed on a parcel by parcel basis, as specified by the RCRA permit. The RCRA permit was negotiated at the Department of Army level with the state of New Mexico, the Navajo Nation, the DOI, and the Pueblo of Zuni prior to the current BEC being hired. The NMED enforces the permit and charges document review fees on all submittals. The USEPA, Region 6 is also involved in reviewing documents.

The FWDA environmental restoration and property transfer programs have several complicating factors. They stem from of the establishment of the Army post in the 1860s during the conflicts with the Native Americans, including the Pueblo of Zuni and the Navajo Nation. Both tribes have a distrust of the Army originating back to these conflicts. They are competing for the transferred property and have established Fort Wingate Teams to act on their behalf. The permit negotiations resulted in requirements for the Army shall engage in consultation with both tribes on all documents submitted to the state for approval. The DOI/Bureau of Land Management (BLM) and Bureau of Indian Affairs (both tribes have a representative) are also reviewing all documents because the property is being transferred to the DOI. Thus, an extra round of document review is needed on all submittals under the program.

The presence of significant cultural resources requires compliance with several regulations (Native American Graves Protection and Repatriation Act, National Historic Preservation Act, etc.). The Army has prepared and the stakeholders have approved a programmatic agreement and comprehensive agreement to address all of the cultural regulations. This has streamlined the restoration process.

Three FWDA sites (FTWG-11, FTWG-01, FTWG-38) address parcels 11, 21, and 22 respectively, reflecting a total of 1,127 acres and the top priorities in the RCRA permit. These three sites all have groundwater contamination, the extent to which has yet to be determined. Investigations are underway. In situ bioremediation is anticipated for a remedy. These IR sites represent roughly 40 percent of the total CTC. All other IR sites consist of relatively minor soil or building contamination with no groundwater issues.

FORT WINGATE DEPOT ACTIVITY
Installation Restoration Program
Site Descriptions

Site ID: FTWG-01

Site Name: TNT Beds, Deact Furn, Other Bldngs

STATUS

Parcel: TPL Parcel 21 (167 acres)

Regulatory Driver: RCRA

RRSE: MEDIUM

Program: BRAC-IRP

Contaminants of Concern: Explosives, Metals, Munitions and explosives of concern (MEC), Perchlorate, Pesticides, Polychlorinated Biphenyls (PCB), Semi-volatiles (SVOC), Volatiles (VOC), White Phosphorous

Media of Concern: Groundwater, Soil

BRAC Round: BRAC I

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	199203.....	201509
DES.....	201510.....	201609
CMI(C).....	201610.....	202209
LTM.....	202209.....	203109

RIP Date: N/A

RC Date: 202209

SITE DESCRIPTION

This site (Parcel 21) has been converted to a parcel as a result of the new RCRA permit. This site previously addressed only SWMU 1, but now addresses a number of sites located in Parcel 21 as follows: AOC-75, Electrical Transformers; SWMU-1, TNT Leaching Beds and Building 503; SWMU-2, Building 515 (Painting and Acid Washout Building and Acid Holding Pond); SWMU-7, Fire Training Ground; SWMU- 19, Building 501 (Former Boiler House and Heating Plant No. 7); AOC-60, Building 522 formerly designated as Building 500 (Ammunition Receiving Bldg.); AOC-61, Building 507 (Smokeless Powder Magazine); AOC-62, Building 508 (Smokeless Powder Magazine); AOC-63, Building 509 (Primary Collector Barricade or Propellant Baghouse); AOC-64, Building 510 (Vacuum Producer Building); AOC-65, Building 511 (Service Magazine); AOC-66, Building 512 (Service Magazine); AOC-67, Building 513 (Service Magazine); AOC-68, Structure 514 (Deboosting Barricade) and Structure 545 (Earthen Barricade); SWMU-72, Deactivation Furnace, Deactivation Furnace Acid Pits, and surrounding area (includes pre-1958 buildings and areas in the vicinity of Bldg. 530); AOC-87, Feature 18 on 1962 aerial photo (API-3) and Feature 23 on 1973 aerial photo (API-5) in 1995 archive search report.

TPL Inc.'s facility use contract with the Army expired on March 31, 2007. Since 1994 they had performed demilitarization of a variety of conventional munitions at FWDA. The company is responsible under the contract with the Army for cleaning up any environmental contamination its operations may have caused.

The Final RCRA Facility Investigation (RFI) work plan and release assessment report were approved by NMED in December 2008. The RFI field work was performed in 2009. Additional geophysical characterization and well installation was performed in FY10. Brass casings were removed near the deactivation furnace. The RFI Report was submitted to the Tribes in October 2010. All buildings in Parcel 21 were demolished in 2010. The RFI report was submitted to NMED in January 2011. A second phase RFI was awarded in September 2011.

The parcel covers 167 acres.

CLEANUP/EXIT STRATEGY

The majority of the cost and effort for Parcel 21 will occur at SWMU-1 (TNT Leaching Beds & Building 503). The primary COCs are explosives. Soil removal and in situ groundwater remediation are assumed for this site. Other sites where soil removal is assumed include SWMUs 7, 19, and 72 and AOC 75 (Electrical Transformers). Three acres will be investigated for MEC at SWMU 72.

CTC assumptions include preparation of a CMS. The CMI(C) will include in situ groundwater treatment with 100 wells, three applications, and quarterly monitoring for three years. A total of 67,940 cubic yards will be excavated and disposed offsite with 353 confirmation samples and 136 disposal samples. A Building demolition (16,323 square feet) will also be performed. MEC sifting of two acres and MEC characterization of three acres are also planned. LTM will include annual monitoring of 12 wells for 10 years.

Site ID: FTWG-07

Site Name: Lake Knudson Area

STATUS

Parcel: Parcel 13 (473 acres)

Regulatory Driver: RCRA

RRSE: MEDIUM

Program: BRAC-IRP

Contaminants of Concern: Explosives, Metals, Semi-volatiles (SVOC)

Media of Concern: Groundwater, Sediment, Soil, Surface Water

BRAC Round: BRAC I

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	199203.....	201309
DES.....	201310.....	201409
CMI(C).....	201310.....	201509

RIP Date: N/A

RC Date: 201509

SITE DESCRIPTION

This site (Parcel 13) has been converted to a parcel as a result of the new RCRA permit. The parcel includes the following sites:

- AOC-53, Lake Knudson,
- AOC-54, Building 311 (Standard Magazine),
- AOC-55, Structure 506 (TNT Storage Barricade),
- AOC-56, Structure 533 (Explosive Barricade),
- AOC-86, Feature 15 on 1973 aerial photo (API-5) in 1995 archive search report, and
- AOC-57, Buildings 306, 307, 308, 309, 310 (Standard Magazines near Knudson Lake).

All the structures including the water tower inside the parcel are scheduled for demolition in FY12 under an Interim Corrective Measure (ICM). This will eliminate the overflow from the water tower into Lake Knudson, which means the lake will likely remain dry. The Army awarded a contract for the RFI in September 2011. A contract to demolish the water tower was awarded in August 2011.

The parcel covers 473 acres.

CLEANUP/EXIT STRATEGY

CTC assumptions include an RFI followed by excavation and offsite disposal of 250 cubic yards of soil and five confirmation samples.

Site ID: FTWG-10

Site Name: POL Area, RR Classification Yard

STATUS

Parcel: Parcel 7 (226 acres)

Regulatory Driver: RCRA

RRSE: LOW

Program: BRAC-IRP

Contaminants of Concern: Explosives, Metals, Polychlorinated Biphenyls (PCB), Polycyclic Aromatic Hydrocarbons (PAH), Semi-volatiles (SVOC), Volatiles (VOC)

Media of Concern: Groundwater, Soil

BRAC Round: BRAC I

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	199203.....	201409
DES.....	201410.....	201509
CMI(C).....	201510.....	201609
LTM.....	201610.....	202109

RIP Date: N/A

RC Date: 201609

SITE DESCRIPTION

This site (Parcel 7) has been converted to a parcel as a result of the new RCRA permit. This parcel includes the following sites: SWMU-9, POL Waste Discharge Area; SWMU-25, Trash Burning Ground Property Disposal Office includes Features 1, 2, and 5 on the 1962 aerial photo API-3 (from the 1995 Archive Search Report); AOC-43, Railroad Classification Yard. Aerial magnetometry was performed at the site in January 2009.

A contract for the RFI work plan was awarded in Sep 2011. The parcel covers 226 acres.

CLEANUP/EXIT STRATEGY

The majority of the cost and effort for Parcel 7 will occur at SWMU 25. The primary COCs are explosives, metals, and SVOCs.

CTC assumptions include the performance of a CMS. The CMI(C) will consist of the excavation and offsite disposal of 6,250 cubic yards of soil with 33 confirmation samples and 13 disposal samples. LTM will include annual monitoring of six wells for five years.

Site ID: FTWG-11

Site Name: Admin Area, Sewage Treatment Plant

STATUS

Parcel: Parcel 11 (172 acres)

Regulatory Driver: RCRA

RRSE: LOW

Program: BRAC-IRP

Contaminants of Concern: Explosives, Metals, Munitions and explosives of concern (MEC), Pesticides, Polychlorinated Biphenyls (PCB), Semi-volatiles (SVOC), Volatiles (VOC)

Media of Concern: Groundwater, Soil

BRAC Round: BRAC I

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	199203.....	201409
DES.....	201410.....	201609
IRA.....	201110.....	201509
CMI(C).....	201610.....	201709
LTM.....	201710.....	202809

RIP Date: N/A

RC Date: 201709

SITE DESCRIPTION

This site (Parcel 11 & 12) has been converted to a parcel as a result of the new RCRA permit and includes the following sites:

- SWMU-3, Fenced Storage Yard (Former Storage Yard or Defense Reutilization and Marketing Office (DRMO) Area, Extended Storage Yard, Former Coal Storage Area);
- SWMU-5, Building 5;
- SWMU-6, Building 11 (Former Locomotive Shop);
- SWMU-10, Sewage Treatment Plant [includes Buildings/Structures 22, T-37, 63, 69, 70, 71, 72, 73, 74a, 74b, 74c, 74d, 82, 83, document incinerator, Structure 745, drainage ditch, septic system at sewage treatment plant];
- SWMU-23, Building 8 (Paint Shop or Carpenter Shop) and Building 7 (Paint Shop and Paint Storage Warehouse);
- SWMU-24, Building 15 (Garage and Storage Bldg.);
- SWMU-37, Building 9 (Machine Shop and Signal Shop);
- SWMU-40, South Administration Area, formerly named the Coal Tar Storage Tanks (Structures 58, 59, and 60);
- SWMU-48 (Building 10), SWMU-49 (Building 12),
- SWMU-50 (Building 13), SWMU-51 (Building 29),
- SWMU-52 (Building T-33), SWMU-53 (Building 36), SWMU-54 (UST No. 5), AOC-55 (Structure T-49), AOC-56 (Building T-50), AOC-72 (Building 14), SWMU-77 (Building T-34), AOC-83 (Structure 63), and AOC-87 (Structure 57);
- SWMU-45, Building 6 (Gas Station);
- AOC-46, Above Ground Tank located near Bldg. 11;
- AOC-47, TPL Inc. spill of photoflash powder west of Bldg. 11;
- AOC-48, Building 34 (Fire Station);
- AOC-49, Structure 38 (End Loading Dock) and Structure 39 (Side Loading Dock);
- SWMU-50, Structure 35 [Underground Storage Tank (UST No. 7) located by Building 45];
- AOC-51, Structure 64 (Underground Storage Tank);
- AOC-52, Building 79 and Building 80 (Storage Vaults).

Parcel 12 is no longer tied to the Parcel 11 activities. The construction debris piles in Parcel 12 were inside AOC-93 and were removed in Oct 2009. The Army submitted to the Tribes a RAR covering the debris pile removal in January 2010. The RAR will include Parcel 14 and AOC-75. The Army anticipates no further action for either parcel. NMED commented on the RAR and a revised RAR was submitted to NMED in November 2010.

Munitions debris was found in SWMU 10 (20 millimeters [mm] with potential for 37 and 40 mm). Additional munitions debris was found near buildings 12 and 13. The NMED approved the RFI work plan August 28, 2009. RFI field work began in November 09. Fieldwork was completed and the Army received the draft RFI Report in November 2010. The Final RFI report was submitted to NMED in July 2011. A second phase RFI was awarded in September 2011.

Parcel 11 covers 172 acres. Parcel 12 covers 160 acres.

CLEANUP/EXIT STRATEGY

CTC assumptions include a CMS in the RFI/CMS phase. The ICM phase will include an ecological risk assessment, annual revisions of the Interim Plan (site inspection), and quarterly groundwater monitoring of 38 wells for three years. The CMI(C) will consist of the excavation and offsite disposal of 6,250 cubic yards of soil with 33 confirmation samples and 13 disposal samples. MEC Sifting (2 acres at the sewer plant) will also be performed. LTM will include annual monitoring of 38 wells for 30 years and abandonment of 50 wells will follow.

Site ID: FTWG-12
Site Name: Eastern Landfill

STATUS

Parcel: Parcel 18 (12 acres)

Regulatory Driver: RCRA

RRSE: LOW

Program: BRAC-IRP

Contaminants of Concern: Explosives, Metals, Pesticides, Polychlorinated Biphenyls (PCB), Semi-volatiles (SVOC), Volatiles (VOC)

Media of Concern: Groundwater, Soil

BRAC Round: BRAC I

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	199203.....	201209
DES.....	201110.....	201309
CMI(C).....	201210.....	201409
LTM.....	201410.....	202409

RIP Date: N/A

RC Date: 201409

SITE DESCRIPTION

This site (Parcel 18) has been converted to a parcel as a result of the new RCRA permit. It includes SWMU-13 (Eastern Landfill) and represents a solid waste disposal area. It covers an area of approximately five acres. Use of the landfill was stopped in 1968. Detections of elevated metals and trace levels of explosives were found in groundwater samples.

Two geophysical surveys have been performed to define the landfill boundaries. Aerial magnetometry was performed at Parcel 18 in January 2009, confirming the locations of the trenches in the landfill site. The Army plans to skip the RFI phase and proceed to the removal of the landfill based on NMED demands to remove all landfills on post. A contract for the removal work plans was awarded in September 2011.

The parcel covers 12 acres, five of which consist of the landfill.

CLEANUP/EXIT STRATEGY

CTC assumptions include a CMI(C) which will consist of the excavation and offsite disposal of 9,375 cubic yards of soil and debris with 25 confirmation samples and 19 disposal samples. LTM will include annual monitoring of 10 wells for 10 years.

Site ID: FTWG-18

Site Name: Former Structures or Buildings

STATUS

Parcel: Parcel 5 (230 acres)

Regulatory Driver: RCRA

RRSE: HIGH

Program: BRAC-IRP

Contaminants of Concern: Explosives, Metals, Polychlorinated Biphenyls (PCB)

Media of Concern: Soil

BRAC Round: BRAC I

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199005
RFI/CMS.....	199203.....	201309

RIP Date: N/A

RC Date: 201309

SITE DESCRIPTION

This site (Parcel 5) has been converted to a parcel as a result of the new RCRA permit. Parcel 5 includes AOC-78 [Feature 18 on 1973 aerial photo (API-5) in a 1995 archive search report]. The features in the aerial photograph are in the same location as former temporary storage buildings.

This parcel is divided by the west patrol road; 5B on the west and 5A on the east. Parcel 5B has been removed from the permit. Transfer documents were sent to the BLM on November 3, 2009 to transfer Parcel 5B containing 70 acres. In a letter dated October 21, 2010, (Second NOD for the RFI Work Plan Parcel [5&] 6, comment 6) NMED concurred no further action is required on AOC78/82 in parcel 5A. This means parcel 5A can be removed from the permit via a Class 3 Permit modification. A public meeting was held in November 2011 on the removal of AOC 78/82 and Parcel 5A from the permit.

The parcels cover 230 acres with 160 acres in 5A and 70 acres in 5B.

CLEANUP/EXIT STRATEGY

Site closeout is underway and no further funding is required.

Site ID: FTWG-21
Site Name: Igloo Block A

STATUS

Parcel: Parcel 24 (427 acres)

Regulatory Driver: RCRA

RRSE: HIGH

Program: BRAC-IRP

Contaminants of Concern: Explosives, Metals, Pesticides

Media of Concern: Soil

BRAC Round: BRAC I

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	199203.....	201309
DES.....	201310.....	201409
CMI(C).....	201310.....	201509

RIP Date: N/A

RC Date: 201509

SITE DESCRIPTION

This site (Parcel 24) has been converted to a parcel as a result of the new RCRA permit. Parcel 24 includes most of AOC-18 (Igloo Block A). The remaining portion of AOC-18 is part of Parcel 9.

A RAR was prepared for Parcel 24 in early 2010. Soils outside of Block A igloos and within revetments have been sampled. Additional sampling was performed in October 2010 in areas where constituents (mainly lead) exceeded cleanup levels. A Release Assessment Report will be prepared by February 2012.

The parcel covers 427 acres.

CLEANUP/EXIT STRATEGY

CTC assumptions include the CMI(C), which will consist of the excavation and offsite disposal of 625 cubic yards of soil with 64 confirmation samples and two disposal samples.

Site ID: FTWG-26

Site Name: Aerial Photo Feature

STATUS

Parcel: Parcel 9 (Army Retained) (196 acres)

Regulatory Driver: RCRA

RRSE: HIGH

Program: BRAC-IRP

Contaminants of Concern: Explosives, Metals, Pesticides, Polychlorinated Biphenyls (PCB)

Media of Concern: Groundwater, Soil

BRAC Round: BRAC I

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	199203.....	201409
DES.....	201410.....	201509
CMI(C).....	201410.....	201609

RIP Date: N/A

RC Date: 201609

SITE DESCRIPTION

This site (Parcel 9) has been converted to a parcel as a result of the new RCRA permit. Parcel 9 includes Area of Concern (AOC)-85 (Feature 11-1 on 1962 aerial photo [API-3] in 1995 Archive Search Report and Feature 1 [disturbed soils] on 1973 aerial photo [API-5] in 1995 Archive Search Report). This parcel also includes part of Igloo Block A. Soils outside of Block A igloos and within revetments have been sampled.

It is unknown at this point in time what the soil disturbance represents. It may represent former building sites. This parcel is being leased to the Missile Defense Agency.

The parcel covers 196 acres.

CLEANUP/EXIT STRATEGY

CTC assumptions include a Release Assessment Report in the RFI phase. A CMS is not anticipated for this site. The CMI(C) will consist of the excavation and offsite disposal of 625 cubic yards of soil with 34 confirmation samples and two disposal samples.

Site Name: Igloo Blocks E,F,G, T-422, P-Range

STATUS

Parcel: Parcel 19 (Army Retained) (2187 acres)

Regulatory Driver: RCRA

RRSE: HIGH

Program: BRAC-IRP

Contaminants of Concern: Explosives, Metals, Pesticides, Polychlorinated Biphenyls (PCB), Semi-volatiles (SVOC), Volatiles (VOC)

Media of Concern: Groundwater, Soil

BRAC Round: BRAC I

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	199203.....	201709
DES.....	201710.....	201809
CMI(C).....	201810.....	202209

RIP Date: N/A

RC Date: 202209

SITE DESCRIPTION

This site (Parcel 19) has been converted to a parcel as a result of the new RCRA permit. Parcel 19 includes the following sites:

- AOC-31, Igloo Block E,
- AOC-32, Igloo Block F,
- AOC-34, Igloo Block G,
- SWMU-39, Pistol Range,
- AOC-58, Buildings 303 and 304 (Standard Magazines) and 320 (Field Dunnage Building along Arterial Road No. 3), and
- AOC-59, Building T-422 (former Bldg. X-11, Normal Maintenance Bldg., Bomb and Shell Paint Bldg.).

This site also includes part of AOC-30 (Igloo Block D). This parcel covers 2,187 acres and is being leased to the MDA.

CLEANUP/EXIT STRATEGY

The majority of cost and effort for Parcel 19 is anticipated to occur at AOCs 31, 32, 34, and 59 with a soil removal. SWMU 59 will also be addressed in a soil removal. An RFA will also be completed at these sites. The RFA will be conducted as a supplement in the RFI phase.

CTC assumptions include the performance of a supplemental RFI and a CMS. The CMI(C) will consist of the excavation and offsite disposal of 3,125 cubic yards of soil with 117 confirmation samples and seven disposal samples.

Site ID: FTWG-28

Site Name: Group C Landfill, West Rifle Range

STATUS

Parcel: Parcel 2 (Army Retained) (2379 acres)

Regulatory Driver: RCRA

RRSE: LOW

Program: BRAC-IRP

Contaminants of Concern: Explosives, Metals, Pesticides, Polychlorinated Biphenyls (PCB), White Phosphorous

Media of Concern: Groundwater, Soil

BRAC Round: BRAC I

Phases	Start	End
RFA.....	199409.....	199512
RFI/CMS.....	199605.....	201609
DES.....	201610.....	201809
IRA.....	201510.....	201709
CMI(C).....	201610.....	202209

RIP Date: N/A

RC Date: 202209

SITE DESCRIPTION

This site (Parcel 2) has been converted to a parcel as a result of the RCRA permit, issued in December 2005. Parcel 2 includes the following sites:

- SWMU-17, Western Rifle Range;
- SWMU-22, Group C Landfill;
- AOC-35, Igloo Block H;
- AOC-36, Igloo Block J [includes Missile Launch Pad used by the MDA];
- AOC-76, Feature 19 on the 1973 aerial photo (API-5) in the 1995 archive search report;
- AOC-77, Feature 20 on the 1973 aerial photo (API-5) in the 1995 archive search report.

Part of Igloo Block C is also included in this parcel. The OB/OD (FTWG-002-R-01, Parcel 3) kickout area extends into Parcel 2. This parcel is being leased to the MDA. The parcel covers 2,379 acres.

This site carries soil sampling costs for all igloos in the ICM phase.

CLEANUP/EXIT STRATEGY

CTC assumptions include a supplemental RFI with five new wells and groundwater sampling (wells are then abandoned). A CMS will also be performed. The ICM phase includes 3,428 soil samples at igloos and revetments. The CMI(C) will consist of the excavation of 3,500 cubic yards, offsite disposal of 4,626 cubic yards of soil, and stabilization of 2,500 cubic yards. 83 Confirmation samples and 10 disposal samples will be taken.

Site ID: FTWG-30
Site Name: Central Landfill

STATUS

Parcel: Parcel 23 (239 acres)

Regulatory Driver: RCRA

RRSE: LOW

Program: BRAC-IRP

Contaminants of Concern: Explosives, Metals, Pesticides, Polychlorinated Biphenyls (PCB), Polycyclic Aromatic Hydrocarbons (PAH), Semi-volatiles (SVOC), Volatiles (VOC)

Media of Concern: Groundwater, Soil

BRAC Round: BRAC I

Phases	Start	End
RFA.....	199409.....	199512
RFI/CMS.....	199605.....	201609
DES.....	201610.....	201709
CMI(C).....	201710.....	202209

RIP Date: N/A

RC Date: 202209

SITE DESCRIPTION

This site (Parcel 23) has been converted to a parcel as a result of the new RCRA permit. Parcel 23 includes the following sites: SWMU-21, Central Landfill, and AOC-73, Former buildings or structures along Road C-3.

All solid waste was removed from SWMU-21 in 1999 and disposed in a permitted offsite landfill. The Remedial Investigation (RI) found SVOCs and metals exceeding background. Post-excavation found residual levels of SVOCs, pesticides, and metals. An RFI work plan was submitted to the NMED on April 29, 2009 and was approved in May 2010. Field work was completed in July 2011. The Army draft RFI report was completed in September 2011. Soil contamination was found south of SWMU 21. A second phase RFI was awarded in September 2011.

The parcel covers 239 acres.

CLEANUP/EXIT STRATEGY

A soil removal is anticipated to be conducted at SWMU-21 and a soil removal is also anticipated at AOC-73.

CTC assumptions include the preparation of a CMS. The CMI(C) will consist of the excavation and offsite disposal of 2,500 cubic yards of soil with 13 confirmation samples and five disposal samples.

Site ID: FTWG-36

Site Name: POL Area, Fmr Admin and Utilities

STATUS

Parcel: Parcel 10 (595 acres)

Regulatory Driver: RCRA

RRSE: LOW

Program: BRAC-IRP

Contaminants of Concern: Explosives, Metals, Polychlorinated Biphenyls (PCB), Semi-volatiles (SVOC), Volatiles (VOC)

Media of Concern: Soil

BRAC Round: BRAC I

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	199203.....	201309

RIP Date: N/A

RC Date: 201309

SITE DESCRIPTION

This site (Parcel 10) has been converted to a parcel as a result of the new RCRA permit. Parcel 10 includes the following sites: SWMU-26 (Suspected POL Area) consisting of a large berm north of the Railroad Classification Yard; and AOC-44 (Former Administration and Utilities Area).

The berm was previously sampled and acetone (suspected laboratory contaminant) was detected. Lead was also detected. This parcel is divided; 10B on the east and 10A on the west. A Class 1 Permit modification was submitted to NMED in December 2009 for the removal of Parcel 10A from the Permit. SWMU-26 and AOC-44 were sampled in 2009 under verbal approval by NMED. A Release Assessment Report documenting the results was submitted to NMED on November 1, 2009. The NMED required additional sampling in comments on the November 2009 RAR. Sampling was performed in October 2010. The Army draft RFI report underwent Army review in Oct 2011.

Parcel 10A covers 483 acres and 10B covers 112 acres.

CLEANUP/EXIT STRATEGY

All requirements have been funded.

STATUS

Parcel: Parcel 22 (628 acres)

Regulatory Driver: RCRA

RRSE: HIGH

Program: BRAC-IRP

Contaminants of Concern: Explosives, Metals, Perchlorate, Pesticides, Polychlorinated Biphenyls (PCB), Semi-volatiles (SVOC), Volatiles (VOC)

Media of Concern: Groundwater, Soil

BRAC Round: BRAC I

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	199203.....	201609
DES.....	201610.....	201709
CMI(C).....	201710.....	202209
LTM.....	202210.....	203209

RIP Date: N/A

RC Date: 202209

SITE DESCRIPTION

This site (Parcel 22) has been converted to a parcel as a result of the new RCRA permit. Parcel 22 includes the following sites: All of AOC-30 (Igloo Block D); SWMU-12, Building 536 (Inspectors Workshop and Ammunition Renovation Depot) (includes one former PCB transformer); SWMU-27, Building 528 Complex. Includes Building 528 (Ammunition Normal Maintenance Building), Building 528A (temporary storage igloo), AOC 121 (Building 528B, temporary storage igloo), AOC 122 (Building 529), AOC 125 (Building 550, vacuum collector barricade), A; AOC-69, Buildings 301, 302, and 312 (Standard Magazines), Building 316 (Field Lunch Room); SWMU-70, Disassembly Plant and TPL QA Test Area (Disassembly Plant includes Building 517, Structure 518, Building 519, Structure 520, Structure 521, Structure 547) Disassembly Plant and TPL QA Test and OB/OD Area; AOC-71, Former rectangular structure near TMW-5 and north of Bldg. 528; AOC-88, Former buildings or structures and disposal areas southwest, south, and southeast of Bldg. 528.

Perchlorate was detected in groundwater and soil.

This parcel was leased to TPL, Inc. with an expiration date of 31 March 2007. They have since vacated the area. The Revised Final RCRA Facility Investigation (RFI) work plan was approved, with modifications, on January 28, 2010. NMED approved the location of monitor wells in the parcel in advance of the work plan approval. The wells were installed in January 2010. RFI field work was completed in November 2010. All buildings and structures were demolished in Parcel 22 in 2010 except for those in AOC69. The RFI report was submitted to the tribes in July 2011 and went to NMED in November 2011. Additional wells to monitor the alluvium and bedrock were installed in September 2011. Additional wells will be installed in February 2012. A second phase RFI was awarded in September 2011.

The parcel covers 628 acres.

CLEANUP/EXIT STRATEGY

A soil removal is anticipated for SWMUs 12, 27, and 70. A soil removal is anticipated for AOC 30. In situ groundwater treatment is expected for the northern portion of the parcel.

CTC assumptions include the performance of a CMS. The CMI(C) will include in situ groundwater treatment with 100 wells, three applications, and quarterly monitoring for three years. A total of 10,125 cubic yards will be excavated and disposed offsite with 53 confirmation samples and 21 disposal samples. An in-place closure of a septic tank and cess pool and a building demolition (8,000 sf) will also be performed. The CMI(C) will also include work to address the TPL impacts. This includes excavation and offsite disposal of 625 cubic yards of soil with four confirmation samples and two disposal samples. LTM will include annual sampling of eight wells for 10 years.

Site ID: FTWG-49
Site Name: Igloo Block C

STATUS

Parcel: Parcel 4 (429 acres)

Regulatory Driver: RCRA

RRSE: HIGH

Program: BRAC-IRP

Contaminants of Concern: Explosives, Metals, Pesticides

Media of Concern: Groundwater, Soil

BRAC Round: BRAC I

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	200610.....	200910
DES.....	200810.....	201009
CMI(C).....	201010.....	201409

RIP Date: N/A

RC Date: 201409

SITE DESCRIPTION

This site (Parcel 4) has been converted to a parcel as a result of the new RCRA permit. Parcel 4 includes a portion of AOC-29 (Igloo Block C). Although part of AOC-78 is found under Parcel 4, it will be addressed entirely under Parcel 6.

One of nine surface soil samples tested positive for HMX (2.29ppm - below residential screening levels).

This parcel is divided by the west patrol road; 4B on the west and 4A on the east. Transfer documents were sent to the BLM on November 3, 2009 to transfer Parcel 4B containing 168 acres. The drain outfalls and aprons of all igloos (entire C-Block) were sampled for lead and explosives. In addition all revetments were sampled for lead and explosives in June 2008. Per comments from NMED, additional sampling for metals was performed in October 2010.

NMED also wants all igloo interiors sampled for Target Analyte List (TAL) metals and explosives at seven locations per igloo. NMED is requiring sampling of all 732 igloo interiors on post. The Army will postpone further action on igloo interiors until the Tribes determine future land ownership and land use which drives cleanup levels. A permittee-initiated interim measure to remove contaminated soil below igloo drains and to remove the drain pipes was awarded in September 2011. The Release Assessment Report was submitted to NMED in Nov 2011.

The parcels cover 428 acres with 260 acres in 4A and 168 in 4B.

CLEANUP/EXIT STRATEGY

CTC assumptions include a permit closeout in the CMI(C) phase. All other activities have been funded.

Site ID: FTWG-63

Site Name: W Landfill,TNT Wrkshp,Igloo Blk B

STATUS

Parcel: Parcel 6 (1035 acres)

Regulatory Driver: RCRA

RRSE: HIGH

Program: BRAC-IRP

Contaminants of Concern: Asbestos, Explosives, Metals, Pesticides, Polychlorinated Biphenyls (PCB), Semi-volatiles (SVOC), Volatiles (VOC)

Media of Concern: Groundwater, Soil

BRAC Round: BRAC I

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	200102.....	201409
DES.....	201410.....	201609
IRA.....	201210.....	201509
CMI(C).....	201610.....	201709
LTM.....	201710.....	202209

RIP Date: N/A

RC Date: 201709

SITE DESCRIPTION

This site (Parcel 6) has been converted to a parcel as a result of the new RCRA permit. Parcel 6 includes the following sites:

- AOC-82, Feature 18 on 1973 aerial photo (API-5) in 1995 archive search report. It includes SWMU-4, Building 600 (Building 539, Ammunition Work Shop Area Change House and Laundry),
- SWMU- 8, Building 537 (Pesticide and Field Battery Shop),
- SWMU-11, Building 542 (Ammunition Workshop) and Building 541 (AEDB-R lists as Building 542/600),
- SWMU-20, Western Landfill, includes Features 3 and 4 on 1962 air photo API-3 (1995 archive search report),
- AOC-28, Igloo Block B,
- AOC-42, Building 516 (Ammunition Receiving Building),
- AOC-79, Feature 2 on 1973 aerial photo (API-5) in 1995 archive search report,
- AOC-80, Feature 9 on 1962 aerial photo (API-3) in 1995 archive search report,
- AOC-81, Feature 11 on 1962 aerial photo (API-3) in 1995 archive search report,
- AOC-83, Feature 22 on 1973 aerial photo (API-5) in 1995 archive search report, and
- AOC-84, Feature 12 on 1962 aerial photo (API-3) in 1995 archive search report.

This parcel was leased to TPL, Inc. with an expiration date of 31 March 2007. They have since vacated the area. The RFI work plan was disapproved by NMED in a letter dated February 4, 2010. A revised work plan was submitted in April 2010.. Aerial magnetometry was performed at the site in January 2009. Several anomalies were found; however most are expected to be non-MEC related debris. No MEC is expected. Anomalies will be investigated as part of the RI/FS process. Soils outside of Block B igloos and within revetments have been sampled.

NMED issued a second NOD letter for the RFI work plan on October 21, 2010. Final revisions correcting the NOD were submitted in January 2011. Buildings 537, 541, 542, 516, 600 were demolished in September 2010. The RFI work plan was approved and the fieldwork was completed in mid 2011. The Army draft RFI report was completed in the fall of 2011. A second phase RFI was awarded in September 2011.

The parcel covers 1,035 acres.

CLEANUP/EXIT STRATEGY

A soil removal is anticipated for SWMUs 8, 11, and 20. A soil removal is also anticipated for AOCs 28 and 42. AOC-78/82, which lies in parcels 6, 5A, and 4A, will be included in the release assessment report for parcel 6.

CTC assumptions include the performance of a CMS. The ICM will include requirements for Conditional Exemption Storage (water tanks). The CMI(C) will consist of the excavation and offsite disposal of 10,625 cubic yards of soil with 56 confirmation samples and 22 disposal samples. The CMI(C) will also include work to address the TPL impacts. This includes excavation and offsite disposal of 3,750 cubic yards of soil with 39 confirmation samples and eight disposal samples. LTM will include annual sampling of four wells for five years.

BRAC-IRP Schedule

Date of BRAC-IRP Inception: 198910

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
FTWG-27	Igloo Blocks E,F,G, T-422, P-Range	Parcel 19	20200930
FTWG-11	Admin Area, Sewage Treatment Plant	Parcel 11	20140930
FTWG-21	Igloo Block A	Parcel 24	20150930
FTWG-38	Igloo Bock D, Ammo Workshop	Parcel 22	20140930
FTWG-26	Aerial Photo Feature	Parcel 9	20160930
FTWG-28	Group C Landfill, West Rifle Range	Parcel 2	20200930
FTWG-36	POL Area, Fmr Admin and Utilities	Parcel 10	20170930
FTWG-07	Lake Knudson Area	Parcel 13	20140930
FTWG-30	Central Landfill	Parcel 23	20160930
FTWG-18	Former Structures or Buildings	Parcel 5	20130930
FTWG-63	W Landfill,TNT Wrkshp,Igloo Blk B	Parcel 6	20150930
FTWG-01	TNT Beds, Deact Furn, Other Bldngs	Parcel 21	20130930
FTWG-10	POL Area, RR Classification Yard	Parcel 7	20190930
FTWG-12	Eastern Landfill	Parcel 18	20180930

Final RA(C) Completion Date: 202209

NPL Deletion Date: TBD

Schedule for Next Five-Year Review: N/A

Estimated Completion Date of BRAC-IRP at Installation (including LTM phase): 203209

FORT WINGATE DEPOT ACTIVITY BRAC-IRP Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY13	FY14	FY15	FY16	FY17	FY18+
FTWG-01	TNT Beds, Deact Furn, Other Bldngs	RFI/CMS						
		DES						
		CMI(C)						
		LTM						
FTWG-07	Lake Knudson Area	RFI/CMS						
		DES						
		CMI(C)						
FTWG-10	POL Area, RR Classification Yard	RFI/CMS						
		DES						
		CMI(C)						
		LTM						
FTWG-11	Admin Area, Sewage Treatment Plant	RFI/CMS						
		DES						
		IRA						
		CMI(C)						
		LTM						
FTWG-12	Eastern Landfill	DES						
		CMI(C)						
		LTM						
FTWG-18	Former Structures or Buildings	RFI/CMS						
FTWG-21	Igloo Block A	RFI/CMS						
		DES						
		CMI(C)						
FTWG-26	Aerial Photo Feature	RFI/CMS						
		DES						
		CMI(C)						
FTWG-27	Igloo Blocks E,F,G, T-422, P-Range	RFI/CMS						
		DES						
		CMI(C)						
FTWG-28	Group C Landfill, West Rifle Range	RFI/CMS						
		DES						
		IRA						
		CMI(C)						

FORT WINGATE DEPOT ACTIVITY BRAC-IRP Schedule

SITE ID	SITE NAME	PHASE	FY13	FY14	FY15	FY16	FY17	FY18+
FTWG-30	Central Landfill	RFI/CMS						
		DES						
		CMI(C)						
SITE ID	SITE NAME	PHASE	FY13	FY14	FY15	FY16	FY17	FY18+
FTWG-36	POL Area, Fmr Admin and Utilities	RFI/CMS						
SITE ID	SITE NAME	PHASE	FY13	FY14	FY15	FY16	FY17	FY18+
FTWG-38	Igloo Bock D, Ammo Workshop	RFI/CMS						
		DES						
		CMI(C)						
		LTM						
SITE ID	SITE NAME	PHASE	FY13	FY14	FY15	FY16	FY17	FY18+
FTWG-49	Igloo Block C	CMI(C)						
SITE ID	SITE NAME	PHASE	FY13	FY14	FY15	FY16	FY17	FY18+
FTWG-63	W Landfill, TNT Wrkshp, Igloo Blk B	RFI/CMS						
		DES						
		IRA						
		CMI(C)						
		LTM						

FORT WINGATE DEPOT ACTIVITY
Base Realignment and Closure
Military Munitions Response Program

BRAC-MMRP Summary

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

5/2

Sites planned for RIP for FY2013

Site ID	Site Name	Month
N/A		

Sites planned for RC for FY2013

Site ID	Site Name	Month
N/A		

Installation Site Types with Future and/or Underway Phases*

- 2 Firing Range
(FTWG-001-R-01, FTWG-003-R-01)
- 1 Open Burn
(FTWG-002-R-01)

Most Widespread Contaminants of Concern*

Explosives, Metals, Munitions and explosives of concern (MEC), Munitions constituents (MC), Perchlorate, Pesticides, Polychlorinated Biphenyls (PCB), Polycyclic Aromatic Hydrocarbons (PAH), Semi-volatiles (SVOC), Volatiles (VOC)

Media of Concern*

Groundwater, Sediment, Soil, Surface Water

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

Site ID	Site Name	Action	Remedy	FY	Cost
FTWG-002-R-01	OB/OD Area	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	2011	TBD

Duration of BRAC-MMRP

Date of BRAC-MMRP Inception: 198910
 Date for Remedy-In-Place (RIP)/Response Complete (RC): 202709/202709
 Date of BRAC-MMRP completion including Long Term Management (LTM): 205709

*Note: This does not include sites closed prior to installation being identified as BRAC.

BRAC-MMRP Contamination Assessment

Contamination Assessment Overview

FWDA has three MR sites: FTWG-001-R-01, 002-R-01, and 003-R-01. FTWG-002-R-01 consists of Parcel 3, the Open Burn/Open Detonation (OB/OD) area. It covers a total of 1,807 acres. This site includes a Hazardous Waste Management Unit (HWMU) which is currently undergoing MEC Clearance requiring the use of remotely operated equipment to mitigate risks associated with the Improved Conventional Munitions (ICM) in the area. A PBA was awarded in FY11 for this work and is partially funded. This site alone represents over half the total CTC for FWDA.

Off-post MEC and munitions debris have been found on the west side of Parcel 3 resulting from kickout of detonations at the two OB/OD grounds. A 250-acre area located to the west of the OB/OD areas outside the FWDA western property boundary was cleared to a depth of one foot in 1995 (UXB, 1995). The Kickout Area has been determined to be 2,403 acres. Approximately 560 acres of this area lies off depot. The NMED approved the Kickout Area Delineation Report in 2010.

Some or all of Parcel 3 may have to be retained by the Army due to the presence of MEC. The permit does not require MEC removal on terrain that is too steep to walk.

FORT WINGATE DEPOT ACTIVITY
Military Munitions Response Program
Site Descriptions

Site ID: FTWG-001-R-01
Site Name: F. Test Range 2/3, Other Bldgs

STATUS

Parcel: Parcel 16 (871 acres)

Regulatory Driver: RCRA

Program: BRAC-MMRP

MRSPP Score: Evaluation pending

Contaminants of Concern: Explosives, Metals, Munitions and explosives of concern (MEC), Munitions constituents (MC), Perchlorate, Pesticides, Polychlorinated Biphenyls (PCB), Semi-volatiles (SVOC)

Media of Concern: Soil

BRAC Round: BRAC I

Phases	Start	End
RFA.....	200205.....	200305
RFI/CMS.....	200910.....	201609
DES.....	201610.....	201709
CMI(C).....	201710.....	202209

RIP Date: N/A

RC Date: 202209

SITE DESCRIPTION

This site (Parcel 16) has been converted to a parcel as a result of the new RCRA permit. The site was SWMU 14 (as an interim designation in the Draft Permit). It includes the following sites: SWMU-16, FTR 2/3; AOC-41, Igloo Block K.

The RI at SWMU-16 found elevated barium and lead in one sediment sample. MEC was surface cleared in 1998. Bulk high explosive (less than 5 lbs) was found on the ground surface in the area of one pre-1940's magazine. One each of 20mm practice, 20mm practice-tracer, and 37mm armor-piercing rounds were found and removed.

FTR No. 2 was used in the 1960s to test a variety of munitions, rockets, and mortars. FTR No. 3 was used in the same period to test high explosives.

Soil removal is anticipated to occur at AOC-41. Minimal MEC clearance is anticipated at SWMU-16. An RFI is anticipated for SWMU-16 and an RFA is anticipated for AOC-41. The RFA will be conducted as a supplement in the RFI phase. Aerial magnetometry was performed at the site in January 2009. Anomalies were detected and will be investigated during the RI/FS phase. No significant amounts of MEC items are expected. A contract for the RFI work plan and fieldwork was awarded in September 2010. The RFI work plan was submitted to NMED in April 2011.

The parcel covers 871 acres.

CLEANUP/EXIT STRATEGY

A soil removal is anticipated to occur at AOC 41. MEC clearance is anticipated at SWMU 16. An RFI is anticipated for SWMU 16.

CTC assumptions include performance of a CMS. Geophysical mapping of 700 acres will also be performed. The CMI(C) will consist of the excavation and offsite disposal of 625 cubic yards of soil with four confirmation samples and two disposal samples. The CMI(C) will also include MEC surface clearance of 611 acres and subsurface clearance of 61 acres.

Site ID: FTWG-002-R-01
Site Name: OB/OD Area

STATUS

Parcel: Parcel 3 (1807 acres)

Regulatory Driver: RCRA

Program: BRAC-MMRP

MRSP Score: Evaluation pending

Contaminants of Concern: Explosives, Metals, Munitions and explosives of concern (MEC), Munitions constituents (MC), Perchlorate, Polychlorinated Biphenyls (PCB), Semi-volatiles (SVOC), Volatiles (VOC)

Media of Concern: Groundwater, Sediment, Soil, Surface Water

BRAC Round: BRAC I

Phases	Start	End
RFA.....	200205.....	200305
RFI/CMS.....	200610.....	202209
DES.....	202010.....	202209
IRA.....	200609.....	202709
CMI(C).....	202210.....	202709
LTM.....	202710.....	205709

RIP Date: N/A

RC Date: 202709

SITE DESCRIPTION

This site (Parcel 3) has been converted to a parcel as a result of the RCRA permit, issued in December 2005. It was SWMU-15 (as an interim designation) in the draft permit.

Parcel 3 area includes the following sites,

- SWMU-14, Old Burning Ground and Demolition Landfill Area,
- SWMU-15, Old Demolition Area,
- SWMU-33, Waste Pile KP1,
- SWMU-74, Area or Site 16 (Proposed Burning Ground),
- AOC-89, Feature 30 and Feature 34 on 1973 aerial photo (API-5) in 1995 archive search report,
- AOC-90, Feature 36 on 1973 aerial photo (API-5) in 1995 archive search report,
- AOC-91, Feature 41 in the 1973 aerial photo (API-5) and Feature 27 on the 1978 historic aerial photo (API-7) in the 1995 archive search report, and
- AOC-92, Feature 31 on the 1973 historic aerial photo (API-5) and Feature 21 on the 1978 aerial photo (API-7) in the 1995 archive search report.

Parts of Parcel 3 were used for open burning/open detonation (OB/OD) for off-spec, obsolete and waste munitions, and explosives from 1940 to 1993. Types of munitions disposed of at Parcel 3 included large caliber artillery projectiles, general purpose bombs, improved conventional munitions (BLU-3 and BLU-4), M-83 Butterfly Bombs, and munition components. An improved conventional munitions waiver was approved by the Army Safety Office on Aug. 20, 2008 allowing work to be done in Parcel 3.

Assumptions for this parcel were developed according to the RCRA permit which addresses the parcel in its entirety. It is possible that portions or all of this parcel will be retained by the Army. The kickout area extends beyond depot property, requiring coordination with off-post property owners. The final acreage of the kickout area is 2,403 acres. This acreage excludes areas that are too steep to remove MEC.

The current OB/OD operation at the site occurred under RCRA interim status; therefore, this portion of the OB/OD area will be closed as an HWMU in accordance with RCRA Subtitle C. A PBA was awarded on October 25, 2010 for the HWMU removal, south and east fence construction, and CAMU construction on Parcel 3. The PBA base award was funded for the fence, CAMU construction, and work plans. The remaining unfunded PBA options are needed to address the HWMU removal and S&AR funds. If funding is not provided, the PBA options for the HWMU removal will expire. This will cause a substantial delay in the closure required by NMED which could lead to substantial fines and penalties under RCRA. Due to the magnitude of the cleanup, NMED would likely issue maximum fines of \$25,000 or more per day for each RCRA Permit violation. There could be multiple violations. The fence was completed in November 2011. The CAMU Permit mod was approved by NMED in July 2011 and the CAMU was completed in September 2011.

In 2006, approximately three miles of chain-link fence were installed along the western boundary of Parcel 3 as required in the permit. A geophysical prove-out area was established just north of Parcel 3. Aerial magnetometry was performed at Parcel 3 in January 2009, confirming the location of the impacted areas in the HWMU, SWMU 14, 15, and AOC 92.

The parcel covers 1,807 acres.

CLEANUP/EXIT STRATEGY

Site ID: FTWG-002-R-01

Site Name: OB/OD Area

Assumptions for this parcel were developed according to the RCRA permit which addresses the parcel in its entirety. It is possible that portions of this parcel will be retained by the Army.

CTC assumptions for the RFI/CMS phase include MEC characterization and an RFI with soil samples as well as waste samples. A groundwater RFI is also required along with the installation of 15 deep cluster wells. An ESS and MEC avoidance support is also included.

The ICM phase will include additional MEC avoidance and MEC clearance. Quarterly groundwater monitoring of 42 wells will occur for six years, followed by semi-annual monitoring of the same 42 wells for nine years. MEC surface clearance of 2,403 acres in the Kick Out Area will also occur in the ICM phase. The ICM phase will also include arroyo diversion excavation of 27,778 cubic yards. It will also include 20 acres of MEC clearance to depth, 48 confirmation samples, and offsite disposal of 250 cubic yards. The closure of the Hazardous Waste Management Unit in Parcel 3 per the PBA awarded in October 2010 is also carried. The ICM phase also includes MEC clearance to depth (65 acres), 156 confirmation samples, and offsite disposal of 200 cubic yards (from MEC clearance).

The state has indicated that waste from all remaining SWMUs in Parcel 3 must be removed. A total of 30 acres will require excavation to five feet (assume 50 percent backfill) and sifting. The CM phase includes excavation/sifting of 90,750 cubic yards with offsite disposal.

LTM will include annual sampling of 42 wells for 30 years. Abandonment of 50 wells will follow.

Site ID: FTWG-003-R-01
Site Name: Functional Test Range 1

STATUS

Parcel: Parcel 20 (Army Retained) (1693.82 acres)

Regulatory Driver: RCRA

Program: BRAC-MMRP

MRSPP Score: Evaluation pending

Contaminants of Concern: Explosives, Metals, Munitions and explosives of concern (MEC), Munitions constituents (MC), Perchlorate, Polycyclic Aromatic Hydrocarbons (PAH)

Media of Concern: Groundwater, Soil

BRAC Round: BRAC I

Phases	Start	End
RFA.....	200205.....	200305
RFI/CMS.....	200306.....	201609
DES.....	201610.....	201709
CMI(C).....	201710.....	202209

RIP Date: N/A

RC Date: 202209

SITE DESCRIPTION

This site (Parcel 20) has been converted to a parcel as a result of the new RCRA permit. It includes the following site: SWMU-38, FTR 1. FTR No. 1 is located in the east central part of the fort and was used for powder burning in the 1940s and for testing flares and grenades in the 1950s. This parcel is being leased by the MDA.

A limited RFI found explosives, elevated metals, and POLs in selected areas. MEC found at Parcel 20 included propellant grains, 75mm smoke rounds, 60mm mortars, fuzes, and boosters. More than 124 total items were found. Aerial magnetometry was performed at the site in January 2009. Anomalies were detected and will be investigated during the RI/FS phase.

The parcel covers 1,694 acres.

CLEANUP/EXIT STRATEGY

CTC assumptions for the RFI/CMS phase include MEC characterization, an RFI, well installation, and a CMS. The CMI(C) will consist of the excavation and offsite disposal of 6,250 cubic yards of soil with 33 confirmation samples and 13 disposal samples. The CMI(C) will also include MEC surface clearance of 378 acres and subsurface clearance of 38 acres.

BRAC-MMRP Schedule

Date of BRAC-MMRP Inception: 198910

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
FTWG-002-R-01	OB/OD Area	Parcel 3	20200930
FTWG-001-R-01	F. Test Range 2/3, Other Bldgs	Parcel 16	20170930
FTWG-003-R-01	Functional Test Range 1	Parcel 20	20190930

Final RA(C) Completion Date: 202709

NPL Deletion Date: TBD

Schedule for Next Five-Year Review: N/A

Estimated Completion Date of BRAC-MMRP at Installation (including LTM phase): 205709

FORT WINGATE DEPOT ACTIVITY BRAC-MMRP Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY13	FY14	FY15	FY16	FY17	FY18+
FTWG-001-R-01	F. Test Range 2/3, Other Bldgs	RFI/CMS						
		DES						
		CMI(C)						
SITE ID	SITE NAME	PHASE	FY13	FY14	FY15	FY16	FY17	FY18+
FTWG-002-R-01	OB/OD Area	RFI/CMS						
		DES						
		IRA						
		CMI(C)						
		LTM						
SITE ID	SITE NAME	PHASE	FY13	FY14	FY15	FY16	FY17	FY18+
FTWG-003-R-01	Functional Test Range 1	RFI/CMS						
		DES						
		CMI(C)						

FORT WINGATE DEPOT ACTIVITY
Base Realignment and Closure
Natural and Cultural Resources Program

BRAC-NCR Summary

General Project Descriptions

BRAC-NCR Schedule

Schedule

Community Involvement

Technical Review Committee (TRC): None

Community Involvement Plan (Date Published): 200609

Restoration Advisory Board (RAB): RAB established 1994

RAB Adjournment Date: 200703

RAB Adjournment Reason: There is no longer sufficient, sustained community interest.

Additional Community Involvement Information

A RAB was formed for FWDA in 1994. RAB meetings were generally held on a quarterly basis from 1993 until mid-2004, when the meetings between March 2004 and March 2006 were suspended, pending issuance of the RCRA permit. From February 1997 until March 2004, the BRAC cleanup team (BCT) met on a quarterly basis, with the RAB meeting two to four times per year during this period.

During mid-1993 environmental restoration activities at FWDA in support of the BRAC closure of the installation were initiated in earnest. Regularly scheduled contact with the Navajo and Zuni through the RAB process was initiated in the fall of 1994. In February 1994 the BCT was established with formal members of the BCT consisting of the FWDA BEC and the designated points of contact from the NMED, the USEPA Region 6, and the DOI. To date, tribal interests at the BCT have been represented by the DOI, as a formal member of the BCT. The Zuni and Navajo have been included as ancillary members of the BCT since December 1997; each tribe has been represented at most, if not all, of the meetings.

As part of the BCT and RAB process, all undertakings associated with the environmental restoration program at FWDA are routinely proposed well in advance of implementation (usually at the draft work plan stage) and discussed with the BCT and attendees. If possible, consensus decisions regarding specific activities are reached and plans are modified. As undertakings are implemented, interim progress reports are presented during the conduct of each specific activity.

In addition to the regularly scheduled BCT and RAB meetings concerning the environmental restoration activities at FWDA, in August 2002 FWDA initiated formal government-to-government consultation with the Navajo Nation and the Pueblo of Zuni, specifically regarding cultural resources within the OB/OD area subject to closure (i.e., environmental cleanup) under RCRA. In September 2003 the Army initiated a cooperative project with the Pueblo of Zuni, the Navajo Nation, and the National Association of Tribal Historic Preservation Officers for the identification and study of sacred sites and TCPs within the OB/OD Area. A number of interviews with tribal informants, facilitated by coordination with the tribes, are documented in an interim report. These activities provided significantly expanded information regarding the presence of, and cultural significance associated with, numerous sacred resources and TCPs that were previously identified by installation-wide cultural resource surveys conducted by FWDA from 1991 through 1996.

In addition, FWDA was included in a study, sought to identify and evaluate key issues of concern to communities, regarding activities and operations at and around federal facilities conducted by National Environmental Justice Advisory Council (NEJAC) (see Section 3.0), as authorized by the USEPA Office of Environmental Justice. Native Americans representing a wide range of age groups within their communities were interviewed, as were members of the environmental restoration teams, from both the regulator and regulated perspectives. Input and recommendations from this study have been incorporated into the FWDA community relations plan (CRP) and consultation plan.

The RAB was reactivated in September 2006, as work to implement the permit began. Public attendance was poor, so the Army conducted an interest survey to determine if the RAB should remain active. In March 2007, after there was no response to the interest survey requests placed in the local media, the FWDA BEC chose to inactivate the RAB. Another survey was performed on Oct. 27, 2008 to determine whether there was enough interest to reactivate the RAB. The minimal response did not support reactivation; however BCT meetings will continue to be held about twice a year. The FWDA RAB has not taken part in the TAPP program to date.

Administrative Record is located at

Fort Wingate Depot Activity
Building 1
Installation Headquarters
Fort Wingate, NM 87316

Information Repository is located at

Gallup Federal Building
Conference Room 162
301 West Hill
Gallup, NM 87316

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

Community Involvement

TAPP Title: N/A

Potential TAPP: N/A

