

FY2007

FORT WINGATE DEPOT ACTIVITY

Base Realignment & Closure
Installation Action Plan

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Statement of Purpose

The purpose of the Base Realignment and Closure (BRAC) Installation Action Plan (BIAP) is to outline the total multi- year Cleanup Program for an installation. The plan identifies environmental cleanup requirements at each site or area of concern, and proposes a comprehensive, installation- wide approach, with associated costs and schedules, to conduct investigations and necessary remedial actions (RAs).

The Army completed a BIAP for Fort Wingate Depot Activity (FWDA) in an effort to coordinate planning information between the restoration manager, US Army Environmental Command (USAEC), FWDA, BRAC Division, US Army Corps of Engineers (USACE), New Mexico Environment Department (NMED), US Environmental Protection Agency (USEPA), the Navajo Nation, and the Pueblo of Zuni. 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.

The following persons contributed to the formulation and completion of this Installation Action Plan for FORT WINGATE DEPOT ACTIVITY during a planning workshop/book update held on 30 Jan - 1 Feb 2007:

USAEC
Navajo Nation
Zuni Tribe
Navajo Nation Archaeology Dept.
Navajo Nation Government
Calibre/Aplen (BRACD)
Terranear PMC
USEPA, Region 6
BIA- NRO- Div. of Environment, Cultural & Safety Mgmt.
Engineering & Environment Inc., for USAEC
USAEC
USACE
Engineering & Environment Inc., for USAEC
FWDA
USACE
Navajo Nation
USACE
IMCOM- West
Navajo Nation Archaeology Dept.

Acronyms

AEDB- R	Army Environmental Database - Restoration
AOC	Area of Concern
BCT	BRAC Cleanup Team
BEC	BRAC Environmental Coordinator
BIA	Bureau of Indian Affairs
BIAP	BRAC Installation Action Plan
BMDO	Ballistic Missile Defense Office
BRAC	Base Realignment and Closure
BRACD	BRAC Division
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
CFP	Closure Field Program
CMS	Corrective Measures Study
COC	Contaminants of Concern
CRP	Community Relations Plan
CTC	Cost- to- Complete
cy	cubic yards
DOD	Department of Defense
DOI	Department of Interior
DRMO	Defense Reutilization and Marketing Office
FTE	Full Time Employee
FWDA	Fort Wingate Depot Activity
FWLC	Fort Wingate Launch Complex
GIS	Geographic Information System
GW	Groundwater
HMX	Cyclotetramethylenetetranitramine
HWMU	Hazardous Waste Management Unit
ICM	Interim Corrective Measure
IRA	Interim Remedial Action
IRP	Installation Restoration Program
K	Thousand
LTM	LongTerm Management
MD	Munitions Debris
MDA	Missile Defense Agency
MEC	Munitions and Explosives of Concern
mm	millimeters
MMRP	Military Munitions Response Program
N/A	Not Applicable
NFA	No Further Action
NMED	New Mexico Environmental Division
OB/OD	Open Burning/Open Detonation
PA	Preliminary Assessment
PBC	Performance Based Contract
PCB	Polychlorinated Biphenyl
POL	Petroleum, Oil & Lubricants
ppb	parts per billion

Acronyms

ppm	parts per million
PQL	Practical Quantitation Limit
QA	Quality Assurance
RA	Remedial Action
RAB	Restoration Advisory Board
RCRA	Resource Conservation and Recovery Act
RDX	Cyclotrimethylenetrinitramine
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
RI	Remedial Investigation
SVOC	Semi- volatile Organic Compound
SWMU	Solid Waste Management Unit
TCP	Traditional Cultural Property
TEAD	Tooele Army Depot
TNT	Trinitrotoluene
USACE	US Army Corps of Engineers
USAEC	US Army Environmental Command
USATCES	US Army Technical Center for Explosives Safety
USEPA	US Environmental Protection Agency
VOC	Volatile Organic Compound
WWII	World War II

AEDB- R Site ID to Alias List

AEDB- R #	Alias
FTWG- 001- R- 01	Parcel 16
FTWG- 002- R- 01	Parcel 3
FTWG- 003- R- 01	Parcel 20
FTWG- 01	Parcel 21
FTWG- 07	Parcel 13
FTWG- 10	Parcel 7
FTWG- 11	Parcel 11,12
FTWG- 12	Parcel 18
FTWG- 15	Parcel 14
FTWG- 18	Parcel 5
FTWG- 21	Parcel 24
FTWG- 26	Parcel 9
FTWG- 27	Parcel 19
FTWG- 28	Parcel 2
FTWG- 30	Parcel 23
FTWG- 36	Parcel 10
FTWG- 38	Parcel 22
FTWG- 42	Site- wide
FTWG- 49	Parcel 4
FTWG- 63	Parcel 6

Installation Information

Installation Locale

Installation Size (Acreage): 21,131.00
Retained by Component (Acreage): 6,465.00
BRAC Acreage: 14,666.00
Acres being transferred to another service: .00
Acres being transferred to other federal agencies: 14,666.00
Acres being transferred to non- federal agencies: .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 US Route 66 and approximately 130 miles west of Albuquerque on Interstate 40. McKinley County has a population of 74,798, comprised of 75% Native American, 16% White, and 12% 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. Small manufacturing includes 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. East of FWDA are Bureau of Indian Affairs (BIA) administered lands. 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, U.S. Highway 66, and the Burlington, Northern, and Santa Fe Railroad. The town of Fort Wingate, located immediately to the 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, Navajo Nation, and individual Native American allottees.

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

List of Off- Post Properties

N/A

Environmental Condition of Property

Acres in Category 1:	7,197.00
Acres in Category 2:	.00
Acres in Category 3:	.00
Acres in Category 4:	.00
Acres in Category 5:	.00
Acres in Category 6:	7,469.00
Acres in Category 7:	.00

Lead Organization

Base Realignment and Closure Division

Lead Executing Agencies for Installation

USACE, Fort Worth District

Regulator Participation

Federal	USEPA, Region VI
State	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

Projected Date of Final Transfer of Property: 202009

National Priorities List (NPL) Status

No NPL Sites have been identified

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

RAB established 1994

Installation Program Summaries

BRAC- IRP

Primary Contaminants of Concern: Asbestos, Explosives, Metals, Munitions and explosives of concern, Perchlorate, Pesticides, Polychlorinated Biphenyls, Polynuclear Aromatic Hydrocarbons, Semi-volatiles, Volatiles, White Phosphorous

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

Estimated Date for Remedy- In- Place (RIP)/Response Complete (RC): 201909/201909

Prior Funding: \$34,424.3 K

Current Requirements: \$852.8 K

Future Requirements: \$69,320.0 K

BRAC- MMRP

Primary Contaminants of Concern: Explosives, Metals, Munitions and explosives of concern, Munitions constituents, Perchlorate, Pesticides, Polychlorinated Biphenyls, Polynuclear Aromatic Hydrocarbons, Semi- volatiles, Volatiles

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

Estimated Date for Remedy- In- Place (RIP)/Response Complete (RC): 201709/201709

Prior Funding: \$3,622.0 K

Current Requirements: \$1,264.6 K

Future Requirements: \$82,685.0 K

BRAC- Compliance

Primary Contaminants of Concern:

Affected Media of Concern:

Estimated Date for Remedy- In- Place (RIP)/Response Complete (RC): 200208/

Prior Funding: \$.0 K

Current Requirements: \$.0 K

Future Requirements: \$.0 K

Previous Studies

	Title	Author	Date
1968	History of Ft Wingate Depot Forts Fauntleroy and Lyon	US Army DARCOM	APR- 1968
1971	Administrative Record, Document No 71- 2 Drilling and Testing of Well 69, Fort Wingate Army Depot, McKinley County, New Mexico Open File Report	J. W. Mercer and E. G. Lappala U.S. Geological Survey in cooperation with Fort Wingate Army Depot	NOV- 1971
1980	Administrative Record, Document No. 80- 1 Final Report Installation Assessment of FWDA, Gallup, New Mexico, Report No. 136	U.S. Army Toxic and Hazardous Materials Agency	JAN- 1980
1981	Administrative Record, Document No. 80- 2 Army Pollution Abatement Program Study, Hazardous Waste Management Consultation, Fort Wingate Depot Activity, Gallup, New Mexico (Re: Groundwater Monitoring Requirements at the TNT Wastewater Leaching Beds)	U.S. Army Environmental Hygiene Agency	MAY- 1981
	Administrative Record, Document No. 80- 3 Final Report Environmental Survey of Ft. Wingate Depot Activity, Gallup, New Mexico	Environmental Science and Engineering Inc.	SEP- 1981
	Environmental Survey	Installation	SEP- 1981
1982	Administrative Record, Document No. 80- 4 Installation Environmental Assessment, Tooele Army Depot - Fort Wingate Depot Activity Gallup, New Mexico	Inland Pacific Engineering Company Haworth and Anderson, Inc.	DEC- 1982
1984	Administrative Record, Document No. 80- 5 Final Report Fort Wingate Depot Activity, Gallup, New Mexico A Cultural Resources Overview and Management Plan for the Fort Wingate Depot Activity	C.D. Breternitz and L.R. Ash Soil Systems, Inc.	OCT- 1984
1988	Administrative Record, Document No. 80- 7 Master Plan Report Fort Wingate Depot Activity, Gallup, New Mexico	Higginbotham and Associates, P.C.	MAR- 1988
	Administrative Record, Document No. 80- 8 Interim Final Report Ground- Water Contamination Survey No. 38- 26- 0307- 89, Evaluation of Solid Waste Management Units, Fort Wingate Depot Activity, Gallup, New Mexico	U.S. Army Environmental Hygiene Agency	JUL- 1988
1989	Administrative Record, Document No. 80- 9 Fort Wingate DA, Gallup, New Mexico, Investigation and Evaluation of Underground Storage Tanks	U.S. Army Corps of Engineers, Omaha District	SEP- 1989
1990	Administrative Record, Document No. 90- 1 Enhanced Preliminary Assessment Report: Fort Wingate Depot Activity, Gallup, New Mexico	Argonne National Laboratory	MAR- 1990
	Geohydrologic Study	Installation	APR- 1990
	Administrative Record, Document No. 90- 2 Fort Wingate Depot Activity, Gallup, New Mexico, Geohydrologic Study No. 38- 26- 8916- 90, (Re: Storage Yard West of Administration Area)	U.S. Army Environmental Hygiene Agency	APR- 1990
	Abstract Report containing analysis of Historical Aerial Photography of FWDA	David Dodge and Douglas Stiles, Imagery Analysts, The Bionetics Corp, Warrenton, VA	AUG- 1990
	RFA - RCRA Facility Assessment, Identified SWMUs	Installation	SEP- 1990
	Administrative Record, Document No. 90- 3 Fort Wingate Depot Activity, NM6213820974, Gallup, New Mexico RCRA Facility Assessment Report	PRC Environmental Management, Inc.	SEP- 1990
	Administrative Record, Document No. 90- 4 Final Asbestos Survey Report for Fort Wingate Defense Activity, Gallup, New Mexico, Volume II, Book 1	Pickering Environmental Consultants, Inc.	NOV- 1990
	Administrative Record, Document No. 90- 5 Final Asbestos	Pickering Environmental	NOV- 1990

Previous Studies

	Title	Author	Date
1990	Survey Report for Fort Wingate Defense Activity, Gallup, New Mexico, Volume III, Book 1	Consultants, Inc.	
	Administrative Record, Document No. 90- 6 Final Asbestos Survey Report for Fort Wingate Defense Activity, Gallup, New Mexico, Volume III, Book 2	Pickering Environmental Consultants, Inc.	NOV- 1990
	Administrative Record, Document No. 90- 7 Final Asbestos Survey Report for Fort Wingate Defense Activity, Gallup, New Mexico, Volume III, Book 3	Pickering Environmental Consultants, Inc.	NOV- 1990
	Administrative Record, Document No. 90- 8 Final Asbestos Survey Report for Fort Wingate Defense Activity, Gallup, New Mexico, Volume IV, Book 1	Pickering Environmental Consultants, Inc.	NOV- 1990
	Administrative Record, Document No. 90- 9 Final Asbestos Survey Report for Fort Wingate Defense Activity, Gallup, New Mexico, Volume IV, Book 2	Pickering Environmental Consultants, Inc.	NOV- 1990
	Administrative Record, Document No. 90- 10 Master Environmental Plan: Fort Wingate Depot Activity, Gallup, New Mexico	Argonne National Laboratory	DEC- 1990
1991	Administrative Record, Document No. 91- 3 Memorandum of Agreement - Between the Depart of the Army, The Advisory Council on Historic Preservation, and the New Mexico State Historic Preservation Officer, Concerning Closure and Disposal of FWDA, NM	Inquiries regarding this Document and/or the Administrative Record for Fort Wingate Depot Activity should be made to: Commander, Tooele Army Depot, Tooele, Utah 84074	JUL- 1991
	Final Environmental Impact Statement Base Realignment and Closure Base Realignment and Closure, Fort Wingate Depot Activity, Navajo Depot Activity, Umatilla Depot Activity, Hawthorne Army Ammunition Plant	Department of the Army	AUG- 1991
1992	Management and Resource Utilization Plan for Developing Environmental Investigation (EI) Work Plans and Environmental Investigation (EI) Work Plans for Areas Requiring Environmental Evaluation at Fort Wingate Depot Activity (FWDA)	Metcalf & Eddy, Inc.	JUN- 1992
	Environmental Investigation	Installation	AUG- 1992
	Administrative Record, Document No. 92- 4 Final Technical Plan for the Environmental Investigation (EI) at Fort Wingate Depot Activity (FWDA), Gallup, New Mexico	Metcalf & Eddy, Inc.	NOV- 1992
	Administrative Record, Document No. 92- 3 Final Sampling and Analysis Plan: Volume I - Field Sampling Plan, Volume II - Quality Assurance Project Plan for the Environmental Investigation (EI) at Fort Wingate Depot Activity (FWDA), Gallup, New Mexico	Metcalf & Eddy, Inc.	NOV- 1992
	Administrative Record, Document No. 92- 2 Final Health and Safety Plan for the Environmental Investigation (EI) at Fort Wingate Depot Activity, Gallup, New Mexico	Metcalf & Eddy, Inc.	NOV- 1992
	Administrative Record, Document No. 92- 5 FWDA Final Supplemental Health & Safety Plan - Field Investigation, Preparation of RIFS Report, and Accelerate Transfer of the SW Property, Igloo Blocks A, B and C and the Ballistic Missile Site Areas	Environmental Resources Management	DEC- 1992
1993	Administrative Record, Document No. 93- 1 Underground Storage Tank Closure, FWDA, Fort Wingate, NM	ENVIROTECH, Inc.	FEB- 1993
	Administrative Record, Document No. 93- 2 Final Fort Wingate Depot Activity, Resource Conservation and Recovery Act Interim Status Closure Plan	Environmental Resources Management	MAR- 1993

Previous Studies

	Title	Author	Date
1993	Administrative Record, Document No. 93- 5 Final Report FWDA Public Involvement and Response Plan (PIRP)	Dames & Moore	NOV- 1993
1994	Base Realignment and Closure (BRAC) Cleanup Plan Version 1 & 2	The Earth Technology Corporation	MAR- 1994
	EBS1 - Environmental Baseline Study- BRAC I, ENV BASELINE SURVEY	Installation	APR- 1994
	Administrative Record, Document No. 94- 1 Final Report FWDA, Community Environmental Response Facilitation Act (CERFA)	Environmental Resources Management	APR- 1994
	Administrative Record, Document No. 94- 2 FWDA Resource Conservation and Recovery Act Modification to Final Interim Status Closure Plan	Environmental Resources Management	MAY- 1994
	Theater Missile Defense Extended Test Range, Final Environmental Impact Statement Vol I & II	U.S. Army	NOV- 1994
	Administrative Record, Document No. 94- 6 Cultural Resources Inventory of FWDA, Executive Summary	R.C. Chapman, C.L. Daniel, and J. A. Schutt, Office of Contract Archeology, University of New Mexico	DEC- 1994
	Administrative Record, Document No. 94- 5 Final Report FWDA Unexploded Ordnance (UXO) Survey Report	Environmental Resources Management	DEC- 1994
1995	Administrative Record Document No. 95- 1, Final Work Plan for UXO Surface Clearance & Sampling Project Fort Wingate Depot Activity, New Mexico	UXB International, Inc.	JAN- 1995
	Administrative Record, Document No.95- 2 Supplemental Investigation for Project Nos. 93- 020, 93- 021, & 93- 025 FWDA, (Supplemental Investigation at the Pistol Range, Former Deactivation Furnace, and Building 5)	U.S. Army Corps of Engineers, Albuquerque District	FEB- 1995
	TPL Inc. Ft Wingate Buildings 528, 550, 551, and S.E. Magazine Baseline Sampling Project Report	IT Corporation, Albuquerque, NM	FEB- 1995
	Administrative Record, Document No. 95- 4, State of New Mexico Environmental Department, Review of On- Site Investigation at the Fort Wingate Depot Activity Administration Area, Gallup, New Mexico, (Ground Water Monitoring Requirement Letter, Building 6 UST Area)	New Mexico Environmental Department, Underground Storage Tank Bureau	APR- 1995
	Administrative Record, Document No. 95- 5, Fort Wingate Depot Activity, Gallup, New Mexico, Base Realignment and Closure (BRAC) Cleanup Plan Draft Version 2	Earth Tech	APR- 1995
	Administrative Record, Document No. 95- 6, Final Report Fort Wingate Depot Activity, Gallup, New Mexico, Public Meeting, Removal of Ordnance from Property Adjacent to Fort Wingate	Paul Baca Professional Court Reporters	APR- 1995
	Administrative Record, Document No. 95- 7, Fort Wingate Depot Activity, Gallup New Mexico, Work Plan for Groundwater Monitoring Program at Ust Bldg. 6 Area	US Army Corp of Engineers, Albuquerque District	JUN- 1995
	Archives Search Report, Defense Environmental Restoration Program for Property Owned by the Department of Defense Ordnance and Explosive Waste Chemical Warfare Materials	US Army Corps of Engineers St. Louis District	JUL- 1995
	Administrative Record, Document No. 95- 11, Report for Ordnance & Explosive Waste (OEW) UXO Surface Clearance & Sampling Project, Fort Wingate Depot Activity, Books 1 through 5	UXB International, Inc.	JUL- 1995
	Final Environmental Assessment, Disposal of a Portion of FWDA	US Army Corps of Engineers Mobile District	AUG- 1995
	FWDA Technical Plan Public Involvement and Resource Plan (PIRP) ELIN A004	Environmental Resources Management,	AUG- 1995

Previous Studies

1995

Title	Author	Date
	Inc.	
Final FWDA Lead- Based Paint Sampling Work Plans	Environmental Resources Management, Inc.	SEP- 1995
Draft Final FWDA OB/OD Areas Closure Field Program Technical Plan, ELIN A004	Environmental Resources Management, Inc	SEP- 1995
Administrative Record, Document No 95- 9, OE Sampling & Removal Action Work Plan (with Change 2: September 27, 1995), Fort Wingate, New Mexico	CMS Environmental Restoration Group	SEP- 1995
Administrative Record Document No 95- 10, First Quarterly Report on Groundwater Monitoring at UST Building 6 Area Fort Wingate Depot Activity, New Mexico	US Army Corps of Engineers, Albuquerque District	NOV- 1995
Administrative Record, Document No. 95- 13, Second Quarterly Report on Ground Water Monitoring at UST Bldg 6 Area, Fort Wingate Depot Activity, New Mexico	US Army Corps of Engineers, Albuquerque District	DEC- 1995
Administrative Record, Document No. 95- 15 Final Report FWDA Addendum to the Final Supplemental Health and Safety Plan	Environmental Resources Management, Inc.	DEC- 1995
Administrative Record, Document No. 95- 16, Final Report Fort Wingate Depot Activity, Gallup, New Mexico, Work Plans: Field Sampling Plan and Contaminated Materials Handling Plan, Debris Piles and Burial Sites	Environmental Resources Management, Inc.	DEC- 1995
Results of Chemical Analysis of Soil Samples Leaching Beds, Fort Wingate, Fort Worth District	Corps of Engineers US Army, Southwestern Division District	FEB- 1996
Administrative Record, Document No. 96- 2, Final Report, Fort Wingate Depot Activity, Gallup, New Mexico, Field Test Kit Development Program Results	Environmental Resources Management	APR- 1996
Administrative Record, Document No. 96- 3, Final Report, Fort Wingate Depot Activity, Gallup New Mexico, OB/OD Areas Closure Field Program, Final Work Plans: Field Sampling Plan and Contaminated Materials Handling Plan	Environmental Resources Management	MAY- 1996
Administrative Record, Document No. 96- 4, Final Report Fort Wingate Depot Activity, Gallup, New Mexico, OB/OD Areas Closure Field Program Health & Safety Plan	Environmental Resources Management	MAY- 1996
Administrative Report, Document No. 96- 5, Final Report Fort Wingate Depot Activity, Gallup, New Mexico, OB/OD Areas Environmental Investigation Quality Assurance Project Plan	Environmental Resources Management	MAY- 1996
Administrative Record, Document No. 96- 6, Final Report, Fort Wingate Depot Activity, Gallup, New Mexico, Resource Conservation and Recovery Act, Interim Status Closure Plan	Environmental Resources Management	MAY- 1996
Draft, Fort Wingate Depot Activity, Gallup, New Mexico, Lead Based Paint Inspection Report	Environmental Resources Management	JUL- 1996
Fort Wingate Depot Activity, Gallup, NM, Briefing on Land-Based Unit Siting Activities	Environmental Resources Management, Inc.	OCT- 1996
Fort Wingate Depot Activity, Gallup, New Mexico, Overview of Debris Piles and Burial Sites Investigation	FWDA	NOV- 1996
BRAC1 Remediation Projects (Phase 1) 0093022 PCB Remediation Soil Removal Bldgs 536/537	CCC Group, Inc.	NOV- 1996
Administrative Record, Document No. 97- 1, Fort Wingate Depot Activity, Gallup New Mexico, Waterline Investigation Report	Radian International LLC	JAN- 1997
Administrative Record Document No. 97- 2, Quarterly Ground Water Monitoring Data, UST Bldg 49 Area Fort	Analytica Environmental Laboratories	JAN- 1997

1997

Previous Studies

1997

Title	Author	Date
Wingate Depot Activity, New Mexico		
Results of the Physical Inventory of Human Remains and Associated Funerary Objects, Fort Wingate, New Mexico	US Army Corps of Engineers, St Louis District	JUN- 1997
Final Fort Wingate Depot Activity Gallup, NM, Quality Assurance Project Plan	ERM Program Management Company	AUG- 1997
Summary of Sampling & Analysis Event to Delineate PCB Contamination, Bldgs 536 & 537 Fort Wingate Depot Activity, Gallup, NM	US Army Corps of Engineers Fort Worth District	AUG- 1997
Draft Final Report Archeological Investigations of Two Sites on Radar Ridge, FWDA	Office of Contract Archeology U of NM	SEP- 1997
Administrative Record Document No. 97- 4, Draft Report Minimum Site Assessment Report, Fort Wingate Army Depot Activity, Fort Wingate, New Mexico	US Army Corps of Engineers, Albuquerque District	SEP- 1997
FWDA Restoration Advisory Board Meeting 10 Sept 1997 Transcript	Paul Baca	SEP- 1997
RIFS REPORT	Installation	NOV- 1997
Administrative Report, Document No. 97- 5, Fort Wingate Depot Activity, Gallup, New Mexico, Final Remedial Investigation/Feasibility Study and RCRA Corrective Action Program Document VOL 1 thru 10	ERM Program Management Company	NOV- 1997
Fort Wingate Depot Activity Draft Post Closure Care Plan	ERM Program Management Company	NOV- 1997
Fort Wingate Depot Activity, Ethnographic Study	Susan P. Perlman	DEC- 1997
Cycles of Closure: A Cultural Resources Inventory of Fort Wingate Depot Activity, New Mexico	Donna K. Lasusky	DEC- 1997
Fort Wingate Igloo Pilot Wash Final Report Vol I & II Fort Wingate, New Mexico	Science Applications International Corporation	DEC- 1997
Final Draft Minimum Site Assessment Report, Fort Wingate Army Depot Activity, Fort Wingate, New Mexico	US Army Corps of Engineers Albuquerque District	FEB- 1998
Fort Wingate Depot Activity Gallup, NM Final TNT Leaching Beds Work Plan	Program Management Company	MAR- 1998
FWDA Final Report TNT Leaching Beds Work Plan	Program Management Company	MAY- 1998
Administrative Record Document No. 98- 3, Final Report Fort Wingate Depot Activity, Gallup, NM, Open Burning/Open Detonation Area Work Plan	Program Management Company	MAY- 1998
Administrative Record, Document No. 98- 4 - Final Report Fort Wingate Depot Activity, Gallup, NM, Health & Safety Plan	Program Management Company	MAY- 1998
Administrative Record Document No. 98- 5, Final Report Fort Wingate Depot Activity, Gallup, NM, Field Sampling Plan	Program Management Company	JUN- 1998
Final Fort Wingate Depot Activity Gallup, NM, Final Quality Assurance Project Plan	Program Management Company	JUN- 1998
Final Fort Wingate Depot Activity Gallup, NM, No Further Action Proposal Missile Test Sites	Program Management Company	JUL- 1998
Closure Report FWDA Gallup, NM Contract No. DACA63- 95- D- 0013, Delivery Order No. 0006 for Buildings 5, 536, 537 - Removal & Disposal of PCBs & Pesticide Soils	CCC Group, Inc.	JUL- 1998
Explosive Safety Submission for Ordnance Removal Action and Land Disposal of Site #2 "Washout Facility" on FWDA, NM	US Army Corps of Engineers Fort Worth District	AUG- 1998
HTRW Survey & Demolition Buildings 29, 40, & 41 FWDA, Contract No. DACA63- 97- D- 0016, Delivery Order No. 4	Wendy Lopez & Associates, Inc.	AUG- 1998

1998

Previous Studies

	Title	Author	Date
1998	Fort Wingate Depot Activity, Gallup, NM, Summary of Boring Logs and Well Completion Diagrams 1998 Field Season	Program Management Company	SEP- 1998
	Draft Final Report Archeological Investigations on Rust Nail Ridge	Office of Contract Archeologh U of NM	SEP- 1998
	Phase I Environmental Site Assessment Final Report Southern Property FWDA	Tetra Tech, NUS, Inc.	SEP- 1998
	Work Plan Defense Environment Restoration Program (DERP) Base Realignment and Closure Program (BRAC) Ordnance and Explosive Operations, Fort Wingate, NM, Contract Number DACA87- 97- D- 0007 Task Order 0003	Environmental Hazards Specialists, International, Inc	OCT- 1998
	Fort Wingate Depot Activity Gallup, NM Regulatory Agency Review Evaluation and Prioritization of Potential Surface Water Concerns	Program Management Company	NOV- 1998
	Asbestos Survey Buildings 515, 527, 537, 539, 601, 2, 18, 541, 542, 5, 8	US Army Corps of Engineers Fort Worth District	NOV- 1998
	Environmental Assessment for the Removal of Bison from Fort Wingate Army Depot	New Mexico Department of Fish and Game	DEC- 1998
1999	Environmental Restoration ... An Ethical Commitment, Final Removal Report OE Sampling & Removal Action, Vol 1 - IV	CMS Environmental Inc.	DEC- 1998
	Industrial & Environmental Radiation Historical Site Assessment FWDA	US Army Cednter for Health Promotion and Preventive Medicine	JAN- 1999
	FWDA No Further Action Proposal- Suspected POL Area	US Army Corps of Engineers Fort Worth District	FEB- 1999
	Final FWDA, NM Building 11 PCB Investigation Report	Program Management Company	MAR- 1999
	Final OB/OD Area RCRA Interim Status Closure Plan Phase 1A- Characterization & Assessment of Site Conditions for the Soils/Solid Matrix	Program Management Company	MAR- 1999
	FWDA RCRA Part B Permit Application for Post Closure Care of the Former OB/OD Area	Program Management Company	JUN- 1999
	Monitoring Well Pump Testing TNT Leaching Beds Area	Program Management Company	JUN- 1999
	Asbestos Assessment Survey Report FWDA	US Army Corps of Engineers Fort Worth District	AUG- 1999
	Disposal of Contaminated Soil at Former Pistol Range & Removal & Disposal of ASTs - Closure Report, FWDA Contract No. DACA63- 95- D- 0013, Delivery Order Nos. 0002 & 0003	CCC Group, Inc.	SEP- 1999
	Final Report for Debris Removal In or Near Watercourses at FWDA	Safe Environmental Inc	OCT- 1999
	Final Report for Demolishing Craters at the OB/OD Unit at FWDA Contract No. DACA63- 99- P- 0960	Safe Environmental Inc	NOV- 1999
	Revised Final Report Site Investigation Work Plan, Soil Background Concentration Study, FWDA	Malcolm Pirnie, Inc.	NOV- 1999
	Fort Wingate Depot Activity, Gallup, NM Final Open Burning/Open Detonating Area RCRA Interim Status Closure Plan, Phase 1B - Characterization and Assessment of Site Conditions for the Ground Water Matrix	Program Management Company	DEC- 1999
2000	Phase I Environmental Site Assessment Draft Report FWDA Parcels 15 and 17	Tetra Tech NUS, Inc	JAN- 2000
	U.S. Department of the Interior, Bureau of Land Management, Phase I Environmental Site Assessment Final Report Fort Wingate (Parcels 6 and 22)	Tetra Tech NUS, Inc	MAR- 2000

Previous Studies

2000

Title	Author	Date
Draft Quality Control Summary Report Soil Background Concentration Study, FWDA	Malcolm Pirnie, Inc.	APR- 2000
Corrected Final Investigation Report - Further Site Characterization Functional Test Range 1 FWDA, NM Contract No. DACA63- 97- D- 0030; D.O. No. 0003 Tetra Tech NUS Project No. 287B	Tetra Tech NUS, Inc.	JUN- 2000
Surface Water Site Assessment FWDA VOL I & II	PMC Environmental	JUL- 2000
FWDA Final Risk Assessment Work Plan	PMC Environmental	AUG- 2000
FWDA Final Risk Assessment Technical Memorandum OB/OD Areas	PMC Environmental	SEP- 2000
Soil Background Investigation Report FWDA, NM	Malcolm Pirnie, Inc.	SEP- 2000
FWDA - Final OE Location & Removal Report, Ordnance and Explosive Location & Removal Action Contract No. DACA87- 97- D- 0007, Task Order 3 VOL 1 thru 4	Environmental Hazards Specialist International, Inc.	SEP- 2000
FWDA - Final Work Plan Environmental Characterization Buildings 542 and 600	PMC Environmental	NOV- 2000
FWDA Igloos Inspections	Tooele Army Depot	NOV- 2000
Eastern Landfill Delineation Release Assessments Project FWDA	Tetra Tech NUS Inc.	NOV- 2000
New Mexico Analytical Results (Perchlorate)		DEC- 2000
FWDA Project Summary Report - OB/OD Western Boundary Fence	Safe Environment	DEC- 2000
Asbestos Management Program O&M Survey Selected Buildings, FWDA	U.S. Army Corps of Engineers Fort Worth District	MAY- 2001
FWDA Ground Water Data for CY 2000 and 2001 in the OB/OD and TNT Leach Beds Areas	PMC Environmental	AUG- 2001
Final Work Plan, Ordnance & Explosives (OE) Construction Support at FWDA Contract No. DACA87- 00- D- 0036 Task Order: 0005	USA Environmental, Inc.	AUG- 2001
Final RCRA Facility Investigation Report TNT Leaching Beds Area FWDA	PMC Environmental	SEP- 2001
Final Sampling and analysis Plan Building 11 FWDA	Roy F. Weston	OCT- 2001
BLM/DOI Imagery Manipulation, Analysis & Interpretation for the Area encompassed by Ft. Wingate, NM - 30 CDs	BLM / DOI / EDAC	DEC- 2001
Request for waiver to Army restriction on maintenance, characterization and clearance of ranges and other areas known or suspected of containing improved conventional munitions and submunitions	PMC Environmental	DEC- 2001
FWDA Wingate Imagery (Maps) Years 1935 to 2001	EDAC	DEC- 2001
Final Site Specific Final Report Ordnance and Explosive Construction Support, Western Boundry Fence Line Contract #DACA87- 00- D0036	USA Environmental Inc	JAN- 2002
US Army Active/Inactive Range Inventory Fort Wingate Missile Launch Complex New Mexico	Army Test and Evaluation Command	JAN- 2002
Master Work Plan Building 11 - FWDA	Roy F. Weston, Inc	APR- 2002
FWDA Final Work Plan Ground Water Characterization Admin and TNT Leaching Beds Area	PMC Environmental	MAY- 2002
FWDA RCRA Post Closure Care Permit Application Current OB/OD Area	PMC Environmental	JUL- 2002
Perchlorate Analyses in Soil and Groundwater at Fort Wingate Depot Activity	PMC Environmental	SEP- 2002

2002

Previous Studies

	Title	Author	Date
2002	Remedial Action Summary Report PCB Remediation and Demolition of Building 11 FWDA	Roy F. Weston, Inc	OCT- 2002
	Environmental Baseline Survey Base Realignment and Closure (BRAC) Parcels 6 and 22 AT FWDA	Roy F. Weston, Inc	OCT- 2002
	Laboratory Reports Remedial Action Summary Report PCB Remediation and Demolition of Building 11 FWDA Vol 1 and 2	Roy F. Weston, Inc	OCT- 2002
	FWDA - Final Phase I, RCRA Facility Investigation Report, Bldgs 600 & 542	PMC Environmental	DEC- 2002
2003	Phase I Environmental Site Assessment Report Parcels 5, 8, 10, and 14	Tetra Tech Inc	DEC- 2002
	Draft Perchlorate Characterization Letter Report for the Workshop Area	PCM Environmental	JAN- 2003
	Final FWDA Soil Characterization Work Plan Building 537	PCM Environmental	FEB- 2003
	Summary and Documentation for Removal of PCB Contaminated Soils at Building 536 and 537 FWDA	US Army Corps of Engineers Fort Worth District	APR- 2003
	Remedial Action Summary Report Remediation and Demolition of Building 503 FEDA VOL 1 and 2	US Army Corps of Engineers Fort Worth District	MAY- 2003
	Final Soil Characterization Work Plan Building 501 FWDA	PMC Environmental	JUN- 2003
	Final Soil Characterization Work Plan Building 11 FWDA	PMC Environmental	JUN- 2003
	RCRA Post Closure Permit Application Current OB/OD Area Volume 1 and II	PMC Environmental	JUN- 2003
	Remedial Action Summary Report Remediation and Demolition of Building 501 FWDA	US Army Corps of Engineers Fort Worth District	JUL- 2003
	FWDA RAB Meeting Minutes VOL I and II From: 1994 To: Continue to add RAB Meeting Minutes here.	Paul Baca Professional Court Reporters	DEC- 2003
2004	FWDA Field Investigation Report Building 11	PMC Environmental	JAN- 2004
	Work Plans Groundwater Investigation Eastern Landfill FWDA 1. Sampling and Analysis Plan 2. Site Safety and Health Plan	Tetra Tech NUS, Inc	JAN- 2004
	Report of Inspection of Asbestos Containing Materials for Operations and Maintenance Program at FWDA	US Army Corps of Engineers, FT Worth District	MAR- 2004
	Field Investigation Report Building 537 FWDA	PMC Environmental	MAR- 2004
2005	Comments on the Draft Resource Conservation and Recovery Act (RCRA) Permit, Fort Wingate Depot Activity NM 6213820974	Tooele Army Depot Environmental Office	FEB- 2005
	Final Groundwater Investigation Report Eastern Landfill FWDA	Tetra Tech Nus, Inc. Houston Texas	APR- 2005
	Supplemental Information for the Characterization of Draft Permit AOCs 117 and 118	TerranearPMC	JUL- 2005
	Dept. of Interior Reuse Plan for FWDA	DOI	AUG- 2005
2006	Hydrogeologic Summary Report (Permit Section VIII.A.4)	TerranearPMC	FEB- 2006
	City of Gallup G- 22 Application - Second Amended Application for Permit to Appropriate Underground Waters of the State of NM & Additional Points of Diversion and Enlarge Place of Use and Purpose of Use & for Plan of Replacement, If Applicable, to Offset the Effects of Pumping under this Application	Four Corners Environmental, Inc.	MAR- 2006
	City of Gallup G- 22 Application Monitoring Plan	Four Corners	MAR- 2006

Previous Studies

2006

Title	Author	Date
	Environmental, Inc.	
City of Gallup G- 22 Application - Second Amended Application for Permit to Appropriate Underground Waters of the State of NM & Additional Points of Diversion and Enlarge Place of Use and Purpose of Use & for Plan of Replacement, If Applicable, to Offset the Effects of Pumping under this Application	Four Corners Environmental, Inc.	MAR- 2006
City of Gallup G- 22 Application Monitoring Plan	Four Corners Environmental, Inc.	MAR- 2006
Supplemental Ground Water Investigation - Administration and TNT Leaching Beds Area	TerranearPMC	MAR- 2006
Base Realignment and Closure Plan, Version 3	TerranearPMC	APR- 2006
Final Report, Western Landfill, Volumes I & II	COE- FW, Robles, Beneco	JUN- 2006
Parcel 21 RFI & Release Assessment Field Activity Plan	TerranearPMC	JUN- 2006
Community Relations Plan - Version 1	TerranearPMC	AUG- 2006
Community Relations Plan - Version I	TerranearPMC	AUG- 2006
Certification of Fence Completion –FWDA Western Boundary Fence	ECC, Houston, TX	SEP- 2006
FWDA Aerial Photographic Analysis –Tube of Historical Photos and Interpretation Report –total of 2 copies in FW, FWDA has 12	Environmental Research, Inc., Linden, Virginia	SEP- 2006
Certification of Fence Completion - FWDA Western Boundary Fence	ECC, Houston, TX	SEP- 2006
FWDA Aerial Photographic Analysis - Tube of Historical Photos and Interpretation Report	Environmental Research, Inc., Linden, Virginia	SEP- 2006
FWDA Aerial Photographic Analysis - Historical Aerial Photos and Interpretation Report	Environmental Research, Inc., Linden, Virginia	SEP- 2006
Interim Facility- Wide Ground Water Monitoring Plan - DRAFT	TerranearPMC	OCT- 2006
Interim Measures Work Plan Off- Site Water Supply Well Sampling Plan - DRAFT (Navajo)	TerranearPMC	OCT- 2006
Release Assessment Report Parcel 21 - DRAFT	TerranearPMC	OCT- 2006
Letter Report, FWDA Environmental Information Management Needs Assessment –DRAFT	SAIC	NOV- 2006
RCRA Facility Investigation Work Plan Parcel 21 - DRAFT	TerranearPMC	NOV- 2006
Release Assessment Report Parcels 11 & 12	TerranearPMC	DEC- 2006
Interim Measures Work Plan Off- Site Water Supply Well Sampling	TerranearPMC	JAN- 2007
Interim Facility- Wide Ground Water Monitoring Plan	TerranearPMC	JAN- 2007
RFI Work Plan Parcels 11 & 12	TerranearPMC	JAN- 2007
Installation of Fencing on the Western and Northern Boundary of Parcel 3 - Project Report	ECC, Houston, TX	JAN- 2007
Installation of Fencing on the Western and Northern Boundary of Parcel 3 - Project Report	ECC, Houston, TX	JAN- 2007
RFI Work Plan Parcel 21 - DRAFT	TerranearPMC	FEB- 2007
Release Assessment Report Parcel 21 - DRAFT	TerranearPMC	FEB- 2007
Release Assessment Report Parcels 11, 12, 14, 25 - Tribal Draft	TerranearPMC	FEB- 2007
FWDA Summary of Interviews (as required under Section VIII.A.1.b of RCRA Permit	U.S. Army Corps of Engineers,	FEB- 2007

2007

Previous Studies

2007

Title	Author	Date
Installation of Central Heat and Air Conditioning at Bldg 1, FWDA	PIKA International, Inc.	FEB- 2007
FWDA Summary of Interviews (as required under Section VIII.A.1.b of RCRA Permit	U.S. Army Corps of Engineers, Ft. Worth District	FEB- 2007
Installation of Central Heat and Air Conditioning at Bldg 1, FWDA	PIKA International, Inc.	FEB- 2007
RFI Work Plan Parcels 11 & 12	TerranearPMC	MAR- 2007
RFI Work Plan Parcels 11 & 12	Terranear PMC	MAR- 2007

Cleanup Program Summary

Installation Historic Activity

FWDA is a closed US Army depot whose former mission was to receive, store, and ship munitions, and to dispose of obsolete or deteriorated explosives and military munitions. Since 1975, the installation has been under the administrative command of Tooele Army Depot (TEAD), located near Salt Lake City, Utah. The active mission of FWDA ceased and the installation closed in January 1993, as a result of the Defense Authorization Amendments and BRAC 1988. In 2002, the Army reassigned many functions at FWDA to the BRAC Division (BRACD), including property disposal, caretaker duties, management of caretaker staff, and performance of environmental restoration and compliance activities. TEAD retained command and control responsibilities, and continues to provide support services to FWDA.

FWDA currently occupies approximately 24 square miles (approximately 15,280 acres) of land in northwestern New Mexico, in McKinley County. The installation is located 8 miles east of Gallup on US Route 66 and approximately 130 miles west of Albuquerque on Interstate 40. FWDA contains facilities formerly used to operate a reserve storage activity providing for the care, preservation, and minor maintenance of assigned commodities, primarily conventional military munitions. The installation mission included the disassembly and demilitarization of unserviceable and obsolete military munitions. Ammunition maintenance facilities existed for the clipping, linking, and repackaging of small arms ammunition.

The installation is almost entirely surrounded by federally owned or administered lands, including both national forest and Tribal lands. The installation can be divided into several areas based upon location and historical land use.

Parcels transferred to date include Parcels 1, 15, and 17 totaling 5,854 acres.

A number of tenant operations are currently being maintained at FWDA. The US Department of Agriculture uses Buildings 12 and 13 (located within Parcel 11) and associated land in the Administration Area for the storage of packaged food items for the benefit of the Navajo Nation.

TPL, Inc. has held an Industrial Operations Command Facilities Contract (DAAA09-94-E-0014) for use of facilities within Parcels 6, 21, and 22, including several buildings in the Administration Area, igloos in Igloo Block B, most Workshop Area buildings, grounds, and support systems since 1994. The facilities use contract also included igloos in Igloo Block D; these were returned to Army control in 2005. TPL performs demilitarization of conventional munitions to recover/recycle explosives and other components. The most recent TPL contract amendment/modification was signed in January 2007 and extends the former contract until March 31, 2007.

In 1995, a large portion of the installation was reprogrammed by the Department of Defense (DOD) for use by the Missile Defense Agency (MDA, formerly known as the Ballistic Missile Defense Organization) to conduct Theater Missile Defense Program testing. MDA has been permitted to use 6,465 acres of FWDA lands, retained by the DOD, through a Memorandum of Understanding and Long-Term Permit. The current agreement began in June 2000, and provides the MDA with the option to extend for additional five-year periods beginning June 2005. The agreement was extended in June 2005.

MDA currently occupies Parcels 2, 9, 19, and 20; together, these lands are referred to as the Fort Wingate Launch Complex (FWLC). The FWLC occupies two non-contiguous areas that consist of the northern area (Parcel 9) referred to as Instrumentation Area A, and the southern area (Parcels 2, 19, and 20) referred to as the Launch and Control Area. Through the use of the instrumentation and launch facilities and associated infrastructure of the FWLC, the MDA launches target missiles that are part of missile defense test programs. The FWLC has been an active missile launch site since 1996, with a total of 11 launches to date.

History of FWDA

To understand the current status of FWDA lands and the reasons for certain processes by which the environmental restoration and property transfer occur, the history of FWDA is important. The lands encompassing FWDA were significant to Native American peoples for a very long period of time prior to their first contact with European peoples. As a result, the lands at FWDA contain numerous sites rich in cultural heritage and historical significance to Native Americans.

Both the Navajo Nation and the Pueblo of Zuni, whose Tribal lands are in proximity to FWDA, inhabited the area both prior to (and in some cases during) the history outlined in this section. In addition, both the Pueblo of Zuni and the Navajo Nation have an extensive relationship and history with the Army in the region, and with Fort Wingate in particular. The history outlined below is presented to provide perspective on how the Army came to use the lands, and the administrative means by which the lands will be returned to the public domain.

Cleanup Program Summary

The lands comprising Fort Wingate are "public domain lands" acquired by the Federal government through the treaty of Guadalupe Hidalgo with Mexico in 1848. Native American history in the area dates prior to and after the acquisition of the land by the United States Government. The lands fall within the traditional territory of both the Navajo and Zuni people. These lands are under the jurisdiction of the Secretary of the Interior and managed pursuant to public land laws and mining and mineral leasing laws.

The first military post near the current FWDA was Fort Fauntleroy, established in 1860. This fort was renamed Fort Lyon in 1861, after General Nathaniel Lyon, the first Union general killed in the Civil War. Fort Lyon was abandoned in 1862. The first Fort Wingate was established in 1862 at San Rafael, just south of the current location of Milan, New Mexico, where it remained until 1868. In 1868, the Army returned to the site of Fort Lyon and established a "new" Fort Wingate.

An Executive Order of February 18, 1870, withdrew the Fort Wingate military reservation, which was 10- miles square, from operation of some of the public land laws and reserved the lands for military purposes associated with Fort Wingate. Partial jurisdiction over these lands was transferred to the Secretary of War by operation of this Order. Plans for the fort were approved and permanent buildings were erected at the location east of FWDA, now known as the town of Fort Wingate. An Executive Order of March 21, 1881 added additional lands to Fort Wingate.

As World War I was ending, the War Department selected Fort Wingate to store munitions. Around 1919, the installation, then known as Wingate Ordnance Depot, became the largest installation storing high explosives in the world, with approximately 163 wooden magazines. Other buildings included personnel quarters, shipping and receiving facilities, and equipment storage and maintenance facilities. In general, Wingate Ordnance Depot occupied the northern portion of FWDA, extending as far south as current Igloo Block E.

An Executive Order, of April 20, 1925, granted approximately 36,148 acres to the Department of Agriculture to establish the Zuni District of the Manzano National Forest (now Cibola National Forest). This area included the former Fort Wingate barracks buildings, east of what is now FWDA, which were used to establish a school for Zuni and Navajo children.

In 1928, the installation became an active military post, with the mission expanded to include repackaging and shipping of explosives. A new fenceline was erected and the Native American families (primarily Navajo) who had been resident were immediately forced to leave. This left numerous hogans, sheep corrals, sweat lodges, burials, and other remains of traditional life within the fenceline. The needs of the subsequent military activity resulted in the hiring of Native Americans as laborers and construction workers.

Early in 1941, an extensive construction program started at the installation, including the construction of permanent buildings and earth covered reinforced concrete storage magazines. The reconstructed depot (then named Fort Wingate Ordnance Depot) was formally opened in 1942. Many Native Americans supplied the labor needed to support the war effort. During World War II (WWII), the primary depot mission was the shipment of munitions to support the war. Following the end of WWII, the installation began receiving munitions from production lines and returns from overseas, and the mission evolved into a storage activity providing for the care, preservation, and minor maintenance of assigned commodities, primarily conventional military munitions. The installation mission also included the disassembly and demilitarization of unserviceable and obsolete military munitions.

Between 1960 and 1967, portions of the installation were used by the Army to test the performance of several unarmed pershing ballistic missile systems, including the launching of ballistic missiles from the installation. The launch areas were located in what is now Parcel 1.

In July 1971, the FWDA was placed in Reserve Status under the command of Pueblo Army Depot, Colorado, and re- designated the FWDA. In 1975, the US Army Materiel Command reassigned FWDA to TEAD. The active mission of the installation ceased in January 1993, and the installation is currently under caretaker status.

Pursuant to the BRAC I of 1988, and in accordance with the regulations at 43 CFR 2372.1, the Army filed a notice of intent to relinquish its reservation of the lands with the Secretary of the Interior. The initial notice is dated March 13, 1990 and was subsequently modified by notices dated November 10, 1993 and June 28, 1995. The Army's relinquishment is being processed in accordance with the Federal Land Policy and Management Act of 1976 (43 USC 1701,1714) and the regulations at 43 CFR Part 2370. The suitability determination required at 43 CFR 2374.1 was made by DOI Assistant Secretary - Policy Management and Budget, as follows: all public domain lands at the former FWDA are suitable for return to the public domain for disposition under the general public land laws, upon appropriate environmental restoration of the lands.

Cleanup Program Summary

By letter dated June 3, 1994, Secretary of the Interior indicated to Secretary of Defense that the disposition, under the public land laws, under consideration included natural resources management, cultural resources protection, and economic benefits to the Navajo Nation and the Pueblo of Zuni. By letter dated June 29, 1995, Assistant Secretary of the Interior told Deputy Assistant Secretary of the Army that "the lands will be managed by the BIA to meet its mission in serving the two local tribes, the Navajo Nation and the Pueblo of Zuni." This was followed by a letter dated January 6, 1998, wherein Advisor to the Secretary of the Interior wrote to Deputy Assistant Secretary of the Army that "The lands will be held by the BIA for the benefit of the Navajo Nation and Pueblo of Zuni indefinitely."

Installation Program Cleanup Progress

BRAC- IRP

- Prior Year Progress:
- * Permit December 2005
 - * Consultation with Zuni/Navajo Tribes
 - * Community Relations Plan August 2006
 - * 3 mile chain link fence installed west side Parcel 3
 - * Workplans for Parcels 11, 12, 21
 - * Historical Aerial Photo&Hydrogeologic reports
- Future Plan of Action:
- * Cultural Resources Programmatic & Comprehensive Agreements
 - * Open Burning/Open Detonation (OB/OD) Closure Plan
 - * On/Offsite groundwater (GW) Monitoring
 - * Facility wide ECO- Risk
 - * Parcel 22 workplan
 - * Parcels 11, 12, 21 RFIs

BRAC- MMRP

- Prior Year Progress:
- Work plans for the Kick out Area for the OB/OD grounds.
A detailed map of all MEC found since closure of FWDA was included in the CRP.
3 mile fence along the western boundary of the OB/OD grounds reduces MEC risks.
- Future Plan of Action:
- Begin development of OB/OD grounds closure plan; Complete Work Plan for defining OB/OD Kick-Out Area
Finalize OB/OD grounds closure plan; Define OB/OD Kick- Out Area and submit report to state;
Submit Work Plan for clearance of OB/OD Kick- Out Area;

BRAC- Compliance

- Prior Year Progress:
- Future Plan of Action:

Transfer Summary

Installation Size (Acreage): 21,131.00

BRAC Acreage: 14,666.00

Parcel Name: Parcel 10

Parcel Acreage: 595.00

Associated Sites: FTWG- 36

Transfer Date/Expected Transfer Date: 201709

Current Land Use: N/A

Future Land Use: N/A

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Transfer to Other Federal Agencies

Recipient Organization: Dept of Interior

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel 11

Parcel Acreage: 172.00

Associated Sites: FTWG- 11

Transfer Date/Expected Transfer Date: 201509

Current Land Use: N/A

Future Land Use: N/A

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Transfer to Other Federal Agencies

Recipient Organization: Dept of Interior

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel 12

Parcel Acreage: 160.00

Associated Sites: N/A

Transfer Date/Expected Transfer Date: 200909

Current Land Use: N/A

Future Land Use: N/A

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Transfer to Other Federal Agencies

Recipient Organization: Dept of Interior

Other Issues Affecting Transfer: N/A

Transfer Summary

Parcel Name: Parcel 13
Parcel Acreage: 473.00
Associated Sites: FTWG- 07
Transfer Date/Expected Transfer Date: 201409
Current Land Use: N/A
Future Land Use: N/A
Encumbrances: N/A
Leases/Permits/Licenses: N/A
Transfer Strategy: Transfer to Other Federal Agencies
Recipient Organization: Dept of Interior
Other Issues Affecting Transfer: N/A

Parcel Name: Parcel 14
Parcel Acreage: 479.00
Associated Sites: FTWG- 15
Transfer Date/Expected Transfer Date: 200809
Current Land Use: N/A
Future Land Use: N/A
Encumbrances: N/A
Leases/Permits/Licenses: N/A
Transfer Strategy: Transfer to Other Federal Agencies
Recipient Organization: Dept of Interior
Other Issues Affecting Transfer: N/A

Parcel Name: Parcel 16
Parcel Acreage: 871.00
Associated Sites: FTWG- 001- R- 01
Transfer Date/Expected Transfer Date: 201809
Current Land Use: N/A
Future Land Use: N/A
Encumbrances: N/A
Leases/Permits/Licenses: N/A
Transfer Strategy: Transfer to Other Federal Agencies
Recipient Organization: Dept of Interior
Other Issues Affecting Transfer: N/A

Transfer Summary

Parcel Name: Parcel 18
Parcel Acreage: 12.00
Associated Sites: FTWG- 12
Transfer Date/Expected Transfer Date: 201909
Current Land Use: N/A
Future Land Use: N/A
Encumbrances: N/A
Leases/Permits/Licenses: N/A
Transfer Strategy: Transfer to Other Federal Agencies
Recipient Organization: Dept of Interior
Other Issues Affecting Transfer: N/A

Parcel Name: Parcel 19 (Army Retained)
Parcel Acreage: 2,187.00
Associated Sites: FTWG- 27
Transfer Date/Expected Transfer Date: N/A
Current Land Use: N/A
Future Land Use: N/A
Encumbrances: N/A
Leases/Permits/Licenses: N/A
Transfer Strategy: Army Retained
Recipient Organization: N/A
Other Issues Affecting Transfer: N/A

Parcel Name: Parcel 2 (Army Retained)
Parcel Acreage: 2,379.00
Associated Sites: FTWG- 28
Transfer Date/Expected Transfer Date: N/A
Current Land Use: N/A
Future Land Use: N/A
Encumbrances: N/A
Leases/Permits/Licenses: N/A
Transfer Strategy: Army Retained
Recipient Organization: N/A
Other Issues Affecting Transfer: N/A

Transfer Summary

Parcel Name: Parcel 20 (Army Retained)
Parcel Acreage: 1,693.82
Associated Sites: FTWG- 003- R- 01
Transfer Date/Expected Transfer Date: N/A
Current Land Use: N/A
Future Land Use: N/A
Encumbrances: N/A
Leases/Permits/Licenses: N/A
Transfer Strategy: Army Retained
Recipient Organization: N/A
Other Issues Affecting Transfer: N/A

Parcel Name: Parcel 22
Parcel Acreage: 628.00
Associated Sites: FTWG- 38
Transfer Date/Expected Transfer Date: 201509
Current Land Use: N/A
Future Land Use: N/A
Encumbrances: N/A
Leases/Permits/Licenses: N/A
Transfer Strategy: Transfer to Other Federal Agencies
Recipient Organization: Dept of Interior
Other Issues Affecting Transfer: N/A

Parcel Name: Parcel 23
Parcel Acreage: 239.00
Associated Sites: FTWG- 30
Transfer Date/Expected Transfer Date: 201709
Current Land Use: N/A
Future Land Use: N/A
Encumbrances: N/A
Leases/Permits/Licenses: N/A
Transfer Strategy: Transfer to Other Federal Agencies
Recipient Organization: Dept of Interior
Other Issues Affecting Transfer: N/A

Transfer Summary

Parcel Name: Parcel 24
Parcel Acreage: 427.00
Associated Sites: FTWG- 21
Transfer Date/Expected Transfer Date: 201509
Current Land Use: N/A
Future Land Use: N/A
Encumbrances: N/A
Leases/Permits/Licenses: N/A
Transfer Strategy: Transfer to Other Federal Agencies
Recipient Organization: Dept of Interior
Other Issues Affecting Transfer: N/A

Parcel Name: Parcel 25
Parcel Acreage: 433.00
Associated Sites: N/A
Transfer Date/Expected Transfer Date: 200809
Current Land Use: N/A
Future Land Use: N/A
Encumbrances: N/A
Leases/Permits/Licenses: N/A
Transfer Strategy: Transfer to Other Federal Agencies
Recipient Organization: Dept of Interior
Other Issues Affecting Transfer: N/A

Parcel Name: Parcel 3
Parcel Acreage: 1,807.00
Associated Sites: FTWG- 002- R- 01
Transfer Date/Expected Transfer Date: 202009
Current Land Use: N/A
Future Land Use: N/A
Encumbrances: N/A
Leases/Permits/Licenses: N/A
Transfer Strategy: Transfer to Other Federal Agencies
Recipient Organization: Dept of Interior
Other Issues Affecting Transfer: N/A

Transfer Summary

Parcel Name: Parcel 4

Parcel Acreage: 429.00

Associated Sites: FTWG- 49

Transfer Date/Expected Transfer Date: 201109

Current Land Use: N/A

Future Land Use: N/A

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Transfer to Other Federal Agencies

Recipient Organization: Dept of Interior

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel 5

Parcel Acreage: 230.00

Associated Sites: FTWG- 18

Transfer Date/Expected Transfer Date: 201309

Current Land Use: N/A

Future Land Use: N/A

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Transfer to Other Federal Agencies

Recipient Organization: Dept of Interior

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel 6

Parcel Acreage: 1,035.00

Associated Sites: FTWG- 63

Transfer Date/Expected Transfer Date: 201609

Current Land Use: N/A

Future Land Use: N/A

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Transfer to Other Federal Agencies

Recipient Organization: Dept of Interior

Other Issues Affecting Transfer: N/A

Transfer Summary

Parcel Name: Parcel 7

Parcel Acreage: 226.00

Associated Sites: FTWG- 10

Transfer Date/Expected Transfer Date: 201909

Current Land Use: N/A

Future Land Use: N/A

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Transfer to Other Federal Agencies

Recipient Organization: Dept of Interior

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel 8

Parcel Acreage: 432.00

Associated Sites: N/A

Transfer Date/Expected Transfer Date: 200809

Current Land Use: N/A

Future Land Use: N/A

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Transfer to Other Federal Agencies

Recipient Organization: Dept of Interior

Other Issues Affecting Transfer: N/A

Parcel Name: Parcel 9 (Army Retained)

Parcel Acreage: 196.00

Associated Sites: FTWG- 26

Transfer Date/Expected Transfer Date: N/A

Current Land Use: N/A

Future Land Use: N/A

Encumbrances: N/A

Leases/Permits/Licenses: N/A

Transfer Strategy: Army Retained

Recipient Organization: N/A

Other Issues Affecting Transfer: N/A

Transfer Summary

Parcel Name: TPL Parcel 21
Parcel Acreage: 167.00
Associated Sites: FTWG- 01
Transfer Date/Expected Transfer Date: 201309
Current Land Use: N/A
Future Land Use: N/A
Encumbrances: N/A
Leases/Permits/Licenses: N/A
Transfer Strategy: Transfer to Other Federal Agencies
Recipient Organization: Dept of Interior
Other Issues Affecting Transfer: N/A

FORT WINGATE DEPOT ACTIVITY

**Base Realignment and Closure
Installation Restoration Program**

BRAC- IRP Summary

Installation Total Army Environmental Database- Restoration (AEDB- R) Sites/Response Complet (RC) Sites: 43/27

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	Surface Runoff (FTWG- 42)
1	Training and Maneuver Area (FTWG- 15)
1	Waste Treatment Plant (FTWG- 11)

Most Widespread Contaminants of Concern

Asbestos, Explosives, Metals, Munitions and explosives of concern, Perchlorate, Pesticides, Polychlorinated Biphenyls, Polynuclear Aromatic Hydrocarbons, Semi- volatiles, Volatiles, 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	1996	\$25.0 K
FTWG- 19	BLDG. 5	IRA	WASTE REMOVAL - SOILS	1998	\$250.0 K
FTWG- 19	BLDG. 5	FRA	REMOVAL	1998	\$50.0 K
FTWG- 20	MISSILE LAUNCH SITES	FRA	OTHER	1998	\$20.0 K
FTWG- 29	BLDG. 503	FRA	OTHER	1998	\$2,000.0 K
FTWG- 41	PCB SITES	FRA	REMOVAL	1998	\$793.0 K
FTWG- 22	BUILDING 11	FRA	WASTE REMOVAL - SOILS	2002	\$852.0 K
FTWG- 54	WESTERN LANDFILL	FRA	REMOVAL	2002	\$206.7 K

Total BRAC- IRP Funding

Prior Funding: \$34,424.3 K
 Current Requirements: \$852.8 K
 Future Requirements: \$69,320.0 K

Duration of BRAC- IRP

Date of BRAC- IRP Inception: 198910
 Estimated Date for Remedy- In- Place (RIP)/Response Complete (RC): 201909/201909
 Date of BRAC- IRP completion including Long Term Management (LTM): 204709

BRAC- IRP Contamination Assessment

Contamination Assessment Overview

Environmental restoration activities at FWDA began in 1980 under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) guidelines, as part of the IRP. The one exception was the OB/OD Unit, which proceeded under Resource Conservation and Recovery Act (RCRA) guidelines. During the period from 1980 through issuance of the Permit in December 2005, a number of environmental investigations have been 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 (PA), facility- wide Remedial Investigation (RI), and munitions and explosives of concern (MEC) removal actions. Examples of RCRA investigations/actions conducted at FWDA include a facility- wide RCRA Facility Assessment (RFA) and a Closure Field Program (CFP) in the OB/OD Area.

Prior to issuance of the permit, approximately 44 Solid Waste Management Units (SWMUs) and Areas of Concentration (AOCs) had been identified, and these SWMUs and AOCs were at various states of environmental restoration when the permit process began in 2002. The Permit as finalized lists one Hazardous Waste Management Unit (HWMU) (the OB/OD Unit) and a total of 93 SWMUs and AOCs.

The Permit describes closure requirements for the OB/OD Unit (e.g., removal of all hazardous wastes and hazardous waste residues, soil characterization and confirmation sampling), groundwater investigation and corrective action requirements for the OB/OD Unit, 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 Permit.

The two primary sites, with the most significant contamination, have been and remain the OB/OD Unit (along with the associated SWMUs and AOCs in Parcel 3) and the Trinitrotoluene (TNT) Leaching Beds and Building 503 (SWMU 1).

The OB/OD Unit contains ten residue piles, which contain various levels of explosives, metals and MEC. Based on the results of the CFP sampling conducted in 1996, explosives were detected in waste samples including cyclotrimethylenetrinitramine (RDX) (maximum concentration 20,000 parts per million (ppm)) and TNT (maximum concentration 22,000 ppm). Several metals of concern were also detected in the wastes, including barium (maximum concentration 8,500 ppm) cadmium (maximum concentration 600 ppm), and lead (maximum concentration 6,000 ppm). Contaminants were also detected in soils underlying the waste, including amosite asbestos (maximum concentration 2.2 ppm), arsenic (maximum concentration 470 ppm), and thallium (maximum concentration 480 ppm). Waste, in the other SWMUs and AOCs within Parcel 3, detected the same types of contaminants at similar concentrations. Groundwater has also been impacted by OB/OD operations; explosives, nitrate, perchlorate, and various metals have been detected in groundwater. MEC, both on- and off- site, has been encountered, and a number of surveys and removal actions have been performed. Additional efforts to identify the extent of kickout are currently being implemented.

SWMU 1 is made up of the former TNT Washout Building (Building 503) and the TNT Leaching Beds. Based on results from soil samples collected from the 0 to 5- foot depth interval, during several field efforts, explosives including TNT (maximum concentration 11,500 ppm), cyclotetramethylenetetranitramine (HMX) (maximum concentration 180 ppm), and RDX (maximum concentration 2,390 ppm), have been detected in soils in and around the TNT Leaching Beds. Several inorganic constituents were also detected in the soil, including barium (maximum concentration 605 ppm), cadmium (maximum concentration 5.5 ppm), iron (maximum concentration 25,400 ppm), manganese (maximum concentration 1,020 ppm), nitrate (maximum concentration 800 ppm), and phosphorous (maximum concentration 32,000 ppm). Soils below 5 feet are also impacted with generally the same constituents, at decreasing concentrations.

Groundwater is present, below the TNT Leaching Beds, in a number of discreet water bearing zones. Concentrations of total explosives compounds have been detected at values ranging up to 464 parts per billion (ppb); concentrations of nitrate have been detected at values ranging up to 166 ppm. Perchlorate concentrations were detected in an area upgradient of the TNT Leaching Beds at levels ranging up to 76 ppb.

Regulatory Interest

Fort Wingate is under a RCRA Closure Permit that was negotiated at the Department of Army level with the State of New Mexico, Navajo Nation, DOI, and Pueblo of Zuni prior to the hiring of the current BRAC Environmental Coordinator (BEC). The NMED enforces the permit, and will be charging document review fees on all submittals. USEPA, Region 6 is also involved in reviewing documents.

Complicating Factors and Uncertainties

The Fort Wingate environmental restoration program and property transfer has several complicating factors and uncertainties. They start with the history of the army establishing the post in the 1870s, during the conflicts with the Native Americans as part of the country's westward expansion. Both tribes have distrust, to a certain extent, of the Army originating back to these conflicts. The Pueblo of Zuni and Navajo Nation are both competing for the transferred property, and have established Fort

BRAC- IRP Contamination Assessment

Wingate Teams, sanctioned by the Tribal governments, to act on their behalf. Both Tribes have been adversaries for centuries. The permit negotiations resulted in permit language specifying that the Army shall engage in consultation with both Tribes on all documents submitted to the state for approval. The DOI/Bureau of Land Management/BIA (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.

Parcel 3 is a designated Improved Conventional Munitions area, meaning anti- personnel sub- munitions exist in the area (BLU- 3, BLU- 4). As of June 2006, the kick- out limit of past activities, at the two OB/OD grounds, has not been defined. The BEC requested FY06 funding to accomplish the task; however, funds have yet to arrive.

Significant consultation with the tribes is required to address the MEC restoration in Parcel 3. It is possible that some or all of Parcel 3 will have to be retained by the Army due to the presence of MEC. The permit does not require MEC removal on terrain too steep to walk. The exact acreage has yet to be determined.

Due to the significant cultural resources (Traditional Cultural Properties (TCP), Sacred Sites, Burial Sites, Archaeological Sites etc.), several regulations have to be met in order to restore the property (NAGRPA, NHPA, etc.). The Army has elected to prepare a Programmatic Agreement and Comprehensive Agreement to address all of the cultural regulations, and will seek signatures from the Army, Safety Health Plan Office, Advisory Council for Historic Preservation, and both tribes. This will streamline the restoration process, after some initial delays, in setting up the Programmatic Agreement during 2006. The Army has notified the NMED of the delays in some projects.

Cleanup Exit Strategy

- Use Performance Base Contracts (PBC) once parcels are adequately characterized.
- Use Best Available Technology, including airborne MEC survey techniques, to characterize sites.
- Negotiate lower cost cleanup levels for OB/OD grounds (Parcel 3), TNT Leaching Beds (Parcel 21), and other highly contaminated areas for passive re- use by native tribes rather than residential.
- Focus cleanup on parcel by parcel basis rather than site by site.
- Quickly reduce number of sites by conducting single release assessment for AOCs where corrective action is most likely not needed.
- Reduce time and cost of characterization by using multi- incremental sampling as much as possible.
- Develop strong working relationship with Tribes through consultation.
- Developing Programmatic Agreement with ACHP, state, and Tribes to stream- line compliance with cultural resources laws and regulations.
- Possibly develop range recycling facility on FWDA in cooperation with Tribes and Huntsville Corps
- Helping Tribes accelerate document review times by providing funding through Cooperative Agreement

FORT WINGATE DEPOT ACTIVITY

Installation Restoration Program

Site Descriptions

Site ID: FTWG- 01
Site Name: TNT Beds, Deact Furn, Other Bldngs
Alias: Parcel 21

STATUS

Parcel: TPL Parcel 21

Regulatory Driver: RCRA

RRSE: MEDIUM

Contaminants of Concern: Explosives, Metals, Munitions and explosives of concern, Perchlorate, Pesticides, Polychlorinated Biphenyls, Semi- volatiles, Volatiles, White Phosphorous

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	199203.....	200909
DES.....	201010.....	201109
IRA.....	201010.....	201109
CMI(C).....	201110.....	201409
LTM.....	201410.....	202409

RIP Date: N/A

RC Date: 201409

SITE DESCRIPTION

This site 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 & 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.

A Draft Parcel 21 Release Assessment Report was completed in October 2006. A Draft Parcel 21 RFI Work Plan was completed in November 2006.

TPL's facility use contract with the Army is scheduled to expire on March 31, 2007. The company is currently in the process of shipping equipment and energetics off- post and decontaminating and putting buildings into layaway. TPL performed demilitarization of a variety of conventional munitions at FWDA since 1994. The company is responsible under the contract with the Army for cleaning up any environmental contamination its operations may have caused.

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 Contaminants of Concern (COC) 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. AOCs 60- 68 are assumed to require an RFA. The Interim Corrective Measure (ICM), which also includes soil removal, will occur at AOC- 75 (Electrical Transformers). Six acres will be investigated for MEC at SWMU- 72.

Site ID: FTWG- 01
Site Name: TNT Beds, Deact Furn, Other Bldngs
Alias: Parcel 21

Cost to Complete (CTC) assumptions include:

- 1) Performance of a supplemental RFI with new wells and groundwater sampling, and a Corrective Measures Study (CMS).
- 2) An ICM will include excavation and offsite disposal of 625 cubic yards (cy).
- 3) The CMI(C) will include in situ groundwater treatment with 100 wells, three applications, and quarterly monitoring, 625 cy will be excavated and disposed offsite. A Building demolition (16,323 square feet) will also be performed. MEC sifting of two acres and geophysical mapping of three acres are also planned.
- 4) LTM will include annual monitoring of 36 wells for 10 years.

A CMS will serve as the cost basis when completed and approved by the state.

Site ID: FTWG- 07
Site Name: Lake Knudson Area
Alias: Parcel 13

STATUS

Parcel: Parcel 13

Regulatory Driver: RCRA

RRSE: MEDIUM

Contaminants of Concern: Explosives, Metals, Semi- volatiles

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

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	199203.....	201009
LTM.....	201010.....	201109

RIP Date: N/A

RC Date: 201009

SITE DESCRIPTION

This site 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.

The parcel covers 473 acres.

CLEANUP/EXIT STRATEGY

No Further Action (NFA) is anticipated beyond completion of the RFA for all of the AOCs listed above. The RFA will be a supplemental effort performed in the RFI phase.

CTC assumptions include the performance of an RFA. The LTM phase will include closeout documentation to certify closure under the RCRA permit.

Site ID: FTWG- 10
Site Name: W Landfill, POL Area, RR Class Yard
Alias: Parcel 7

STATUS

Parcel: Parcel 7

Regulatory Driver: RCRA

RRSE: LOW

Contaminants of Concern: Explosives, Metals, Polychlorinated Biphenyls, Polynuclear Aromatic Hydrocarbons, Semi- volatiles, Volatiles

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	199203.....	201409
DES.....	201510.....	201609
CMI(C).....	201610.....	201709
LTM.....	201710.....	202209

RIP Date: N/A

RC Date: 201709

SITE DESCRIPTION

This site 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- 20, Western Landfill, includes Features 3 and 4 on 1962 air photo API- 3 (1995 Archive Search Report); 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.

The parcel covers 226 acres.

CLEANUP/EXIT STRATEGY

The majority of the cost and effort for Parcel 7 will occur at SWMUs - 20 and - 25. The primary COCs are explosives, metals, and semi- volatile organic compounds (SVOC).

CTC assumptions include:

- 1) The performance of an RFA with 30 soil samples. A supplemental RFI will also be performed with 12 new wells and groundwater/soil sampling. A CMS will also be performed.
- 2) The CMI(C) will consist of the excavation and offsite disposal of 12,500 cy of soil.
- 3) LTM will include annual monitoring of six wells for five years.

A CMS will serve as the cost basis when completed and approved by the state.

Site ID: FTWG- 11
Site Name: Admin Area, Sewage Treatment Plant
Alias: Parc 11,12

STATUS

Parcel: Parcel 11

Regulatory Driver: RCRA

RRSE: LOW

Contaminants of Concern: Explosives, Metals, Munitions and explosives of concern, Pesticides, Polychlorinated Biphenyls, Semi-volatiles, Volatiles

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	199203.....	200909
DES.....	201010.....	201109
CMI(C).....	201110.....	201209
LTM.....	201210.....	204209

RIP Date: N/A

RC Date: 201209

SITE DESCRIPTION

This site has been converted to a parcel as a result of the new RCRA permit. Parcel 11 includes the following sites: SWMU- 3, Fenced Storage Yard (Former Storage Yard or 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 (document incinerator is FTWG- 60 in AEDBR), 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 #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 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 #7 (UST)) located by Building 45); AOC- 51, Structure 64 (UST); AOC- 52, Building 79 and Building 80 (Storage Vaults).

Munitions debris was found in SWMU 10 (20 millimeters (mm) with potential for 37 and 40 mm). Additional munitions debris was found near Bldgs 12 and 13.

Parcel 11 cleanup and transfer activities will include the AOC- 75 of Parcel 12.

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

CLEANUP/EXIT STRATEGY

The majority of the cost and effort will occur at SWMUs - 6, - 10, - 23, - 24, - 37, - 40, - 45, and - 50 with anticipated soil removal. Building demolitions are anticipated at SWMUs - 5, - 24, and - 37.

CTC assumptions include:

1) The performance of an RFA with 48 soil samples. A supplemental RFI will also be performed with eight new wells, groundwater/soil sampling, and geophysical mapping. A CMS will also be performed.

2) The CMI(C) will consist of the excavation and offsite disposal of 6,250 cy of soil. MEC Sifting (1 acre at the sewer plant) will also be performed.

Site ID: FTWG- 11
Site Name: Admin Area, Sewage Treatment Plant
Alias: Parc 11,12

3) LTM will include annual monitoring of 30 wells for 30 years.

A CMS will serve as the cost basis when completed and approved by the state.

Site ID: FTWG- 12
Site Name: Eastern Landfill
Alias: Parcel 18

STATUS

Parcel: Parcel 18

Regulatory Driver: RCRA

RRSE: LOW

Contaminants of Concern: Explosives, Metals, Pesticides,
Polychlorinated Biphenyls, Semi- volatiles, Volatiles

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	199203.....	201309
DES.....	201410.....	201509
CMI(C).....	201510.....	201709
LTM.....	201710.....	204709

RIP Date: N/A

RC Date: 201709

SITE DESCRIPTION

This site has been converted to a parcel as a result of the new RCRA permit. This site includes SWMU- 13 (Eastern Landfill).

This site represents a solid waste disposal area. This site 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.

The parcel covers 12 acres.

CLEANUP/EXIT STRATEGY

CTC assumptions include:

- 1) Performance of a supplemental RFI with six new wells and groundwater sampling. A CMS will also be performed.
- 2) The CMI(C) will consist of the excavation and offsite disposal of 18,750 cy of soil and debris.
- 3) LTM will include annual monitoring of 10 wells for 30 years.

A CMS will serve as the cost basis when completed and approved by the state.

Site ID: FTWG- 15
Site Name: Bivouac and Tank Training Area
Alias: Parcel 14

STATUS

Parcel: Parcel 14

Regulatory Driver: RCRA

RRSE: LOW

Contaminants of Concern: Explosives

Media of Concern: Soil

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	199203.....	200810

RIP Date: N/A

RC Date: 200810

SITE DESCRIPTION

This site has been converted to a parcel as a result of the new RCRA permit.

Parcel 14 includes site AOC- 93, Bivouac and Tank Training Area.

This site was identified as a result of an erroneous report that live fire occurred at this site. Interviews with the National Guard indicate no live fire occurred at Parcel 14.

The RFA for Parcel 14 was conducted as part of the Release Assessment for Parcels 11 and 12. The Army will propose NFA to the Tribes and Regulators. Funding assumptions will remain until the NFA is approved by the State.

The parcel covers 479 acres.

CLEANUP/EXIT STRATEGY

CTC assumptions include the performance of a RFA. The RFA will be conducted as a supplement in the RFI phase. NFA is expected after the RFA.

Site ID: FTWG- 18
Site Name: Former Structures or Buildings
Alias: Parcel 5

STATUS

Parcel: Parcel 5

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Explosives, Metals, Polychlorinated Biphenyls

Media of Concern: Soil

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199005
RFI/CMS.....	199203.....	200809
IRA.....	200810.....	200909
LTM.....	200910.....	201009
RIP Date:	N/A	
RC Date:	200909	

SITE DESCRIPTION

This site 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 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 west patrol road; 5B on the west and 5A on the east. Parcel 5B may transfer prior to Parcel 5A because there are currently no AOCs or SWMUs.

The parcel covers 230 acres.

CLEANUP/EXIT STRATEGY

The site will be investigated for contaminants resulting from demolition debris.

CTC assumptions include:

- 1) The performance of a RFA with geophysical mapping of 20 acres. The RFA will be conducted as a supplement in the RFI phase.
- 2) The ICM will consist of the excavation, stabilization, and offsite disposal of 625 cy of soil. Stabilization will increase volume to 688 cy.

A CMS will serve as the cost basis when completed and approved by the state.

Site ID: FTWG- 21
Site Name: Igloo Block A
Alias: Parcel 24

STATUS

Parcel: Parcel 24

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Explosives, Metals, Pesticides

Media of Concern: Soil

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	199203.....	200809
IRA.....	200810.....	200909
LTM.....	200910.....	201009

RIP Date: N/A

RC Date: 200909

SITE DESCRIPTION

This site 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.

The parcel covers 427 acres.

CLEANUP/EXIT STRATEGY

CTC assumptions include:

- 1) The performance of a RFA with 120 soil samples. The RFA will be conducted as a supplement in the RFI phase.
- 2) The ICM will consist of the excavation and offsite disposal of 625 cy of soil.

A CMS is not anticipated for this site.

Site ID: FTWG- 26
Site Name: Aerial Photo Feature
Alias: Parcel 9

STATUS

Parcel: Parcel 9 (Army Retained)

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Explosives, Metals, Pesticides,
Polychlorinated Biphenyls

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	199203.....	201309
IRA.....	201410.....	201509
LTM.....	201510.....	201609
RIP Date:	N/A	
RC Date:	201509	

SITE DESCRIPTION

This site has been converted to a parcel as a result of the new RCRA permit. Parcel 9 includes 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.

It is unknown at this point in time what the disturbance represents. It may represent former building sites.

This parcel is being leased to the MDA.

The parcel covers 196 acres.

CLEANUP/EXIT STRATEGY

CTC assumptions include

- 1) The performance of an RFA with geophysical mapping of 20 acres. The RFA will be conducted as a supplement in the RFI phase.
- 2) The ICM will consist of the excavation, stabilization, and offsite disposal of 625 cy of soil.

A CMS is not anticipated for this site.

Site ID: FTWG- 27
Site Name: Igloo Blocks E,F,G, T- 422, P- Range
Alias: Parcel 19

STATUS

Parcel: Parcel 19 (Army Retained)

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Explosives, Metals, Pesticides,
Polychlorinated Biphenyls, Semi- volatiles, Volatiles

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	199203.....	201509
DES.....	201610.....	201709
IRA.....	201410.....	201509
CMI(C).....	201710.....	201809
LTM.....	201810.....	201909

RIP Date: N/A

RC Date: 201809

SITE DESCRIPTION

This site 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); AOC- 59, Building T- 422 (former Blg. X- 11, Normal Maintenance Blg., Bomb and Shell Paint Blg.).

This site also includes part of AOC- 30 (Igloo Block D).

This parcel is being leased to the MDA.

The parcel covers 2,187 acres.

CLEANUP/EXIT STRATEGY

The majority of cost and effort for Parcel 19 is anticipated to occur at AOCs - 31, - 32, - 34, and - 59 with an ICM soil removal. SWMU- 59 will also be addressed in a CMI(C) 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:

- 1) The performance of an RFA with 312 soil samples. A supplemental RFI and a CMS will also be performed.
- 2) The ICM will consist of the excavation and offsite disposal of 2,500 cy of soil.
- 3) The CMI(C) will consist of the excavation and offsite disposal of 625 cy of soil.

A CMS will serve as the cost basis when completed and approved by the state.

Site ID: FTWG- 28
Site Name: Group C Landfill, West Rifle Range
Alias: Parcel 2

STATUS

Parcel: Parcel 2 (Army Retained)

Regulatory Driver: RCRA

RRSE: LOW

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

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	199409.....	199512
RFI/CMS.....	199605.....	201709
DES.....	201710.....	201809
IRA.....	201510.....	201609
CMI(C).....	201810.....	201909
LTM.....	201910.....	202009

RIP Date: N/A

RC Date: 201909

SITE DESCRIPTION

This site has been converted to a parcel as a result of the new RCRA permit. 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 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 kickout area extends into Parcel 2.

This parcel is being leased to the MDA.

The parcel covers 2,379 acres.

CLEANUP/EXIT STRATEGY

The majority of costs and effort for Parcel 2 is anticipated to occur at SWMUs - 17 and - 22 with a CMI(C) soil removal and AOCs - 35, - 36, and - 77 with an ICM soil removal. A RFA is also anticipated to be performed at the AOC sites. The RFA will be conducted as a supplement in the RFI phase.

CTC assumptions include:

- 1) The performance of a RFA with 216 soil samples and geophysical mapping of 20 acres. A supplemental RFI, with five new wells and groundwater sampling, and a CMS will also be performed.
- 2) The ICM will consist of the excavation, stabilization, and offsite disposal of 2,500 cy of soil. Stabilization will increase volume to 2,625 cy.
- 3) The CMI(C) will consist of the excavation, stabilization, and offsite disposal of 1,875 cy of soil. Stabilization will increase volume to 2,000 cy.

A CMS will serve as the cost basis when completed and approved by the state.

Site ID: FTWG- 30
Site Name: Central Landfill
Alias: Parcel 23

STATUS

Parcel: Parcel 23

Regulatory Driver: RCRA

RRSE: LOW

Contaminants of Concern: Explosives, Metals, Pesticides,
Polychlorinated Biphenyls, Polynuclear Aromatic Hydrocarbons,
Semi- volatiles, Volatiles

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	199409.....	199512
RFI/CMS.....	199605.....	201109
DES.....	201210.....	201309
IRA.....	201110.....	201209
CMI(C).....	201310.....	201409
LTM.....	201410.....	201509

RIP Date: N/A

RC Date: 201409

SITE DESCRIPTION

This site 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. RI found SVOCs and metals exceeding background. Post- excavation found residual levels of SVOCs, pesticides, and metals.

The parcel covers 239 acres.

CLEANUP/EXIT STRATEGY

A CMI(C) soil removal is anticipated to be conducted at SWMU- 21, and an ICM soil removal is also anticipated at AOC- 73. An RFA is anticipated for AOC- 73. The RFA will be conducted as a supplement in the RFI phase.

CTC assumptions include

- 1) The performance of an RFA with geophysical mapping of 20 acres. A supplemental RFI, with five new wells and groundwater sampling, and a CMS will also be performed.
- 2) The ICM will consist of the excavation and offsite disposal of 1,250 cy of soil.
- 3) The CMI(C) will consist of the excavation and offsite disposal of 1,250 cy of soil.

A CMS will serve as the cost basis when completed and approved by the state.

Site ID: FTWG- 36
Site Name: POL Area, Fmr Admin and Utilities
Alias: Parcel 10

STATUS

Parcel: Parcel 10

Regulatory Driver: RCRA

RRSE: LOW

Contaminants of Concern: Explosives, Metals, Polychlorinated
Biphenyls, Semi- volatiles, Volatiles

Media of Concern: Soil

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	199203.....	201109
LTM.....	201210.....	201309

RIP Date: N/A

RC Date: 201109

SITE DESCRIPTION

This site 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. Parcel 10A may transfer prior to Parcel 10B.

The parcel covers 595 acres.

CLEANUP/EXIT STRATEGY

An RFI is anticipated for SWMU- 26 and an RFA is anticipated for AOC- 44. The RFA will be conducted as a supplement in the RFI phase.

CTC assumptions include the performance of an RFA with 48 soil samples. A supplemental RFI and a CMS will also be performed.

Site ID: FTWG- 38
Site Name: Igloo Bock D, Ammo Workshop
Alias: Parcel 22

STATUS

Parcel: Parcel 22

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Explosives, Metals, Perchlorate,
Pesticides, Polychlorinated Biphenyls, Semi- volatiles, Volatiles

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	199203.....	200909
DES.....	201110.....	201209
IRA.....	201110.....	201209
CMI(C).....	201210.....	201509
LTM.....	201510.....	202509

RIP Date: N/A

RC Date: 201509

SITE DESCRIPTION

This site has been converted to a parcel as a result of the new RCRA permit. Parcel 22 includes the following sites: A portion of AOC- 30 (Igloo Block D), also includes Parcel 19; 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 Blg. 528; AOC- 88, Former buildings or structures and disposal areas southwest, south, and southeast of Blg. 528.

Perchlorate was detected in groundwater and soil.

This parcel was being leased to TPL, Inc. with an expiration date of 31 March 2007. They have since vacated the property. The CTC now includes assumptions for the cleanup of various TPL sites.

The parcel covers 628 acres.

CLEANUP/EXIT STRATEGY

A CMI(C) soil removal is anticipated for SWMUs - 12, - 27, and - 70. An ICM soil removal is anticipated for AOC 30. In situ groundwater treatment is expected for the northern portion of the parcel.

CTC assumptions include:

- 1) Performance of a supplemental RFI (including 11 new monitoring wells, groundwater sampling, and MEC characterization of 10 acres) and a CMS.
- 2) An ICM will include excavation and offsite disposal of 1,250 cy. The TPL Deactivation Furnace will also be remediated, assuming 500 cy of soil excavation and disposal.
- 3) The CMI(C) will include in situ groundwater treatment with 100 wells, three applications, and quarterly monitoring for three years. A total of 8,875 cy will be excavated and disposed offsite. An in- place closure of a septic tank and cess pool will also be

Site ID: FTWG- 38
Site Name: Igloo Bock D, Ammo Workshop
Alias: Parcel 22

performed.

4) LTM will include annual sampling of 8 wells for 10 years.

A CMS will serve as the cost basis when completed and approved by the state.

Site ID: FTWG- 42
Site Name: Site- wide Tasks
Alias: Site- wide

STATUS

Parcel: NONE

Regulatory Driver: RCRA

RRSE:

Contaminants of Concern: Explosives, Metals, Munitions and explosives of concern, Perchlorate, Pesticides, Polychlorinated Biphenyls, Polynuclear Aromatic Hydrocarbons, Semi- volatiles, Volatiles, White Phosphorous

Media of Concern: Groundwater, Soil, Surface Water

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
LTM.....	200610.....	201709

RIP Date: N/A

RC Date: 199004

SITE DESCRIPTION

This site addresses permit- related site- wide tasks. These tasks include surface water sampling, cultural resources support, operational record, and annual revision of interim plan. MEC clearance in the arroyos, MEC avoidance, Ecological Risk Assessment, aerial photography, and GIS/Environmental Information Management Systems are also included. Also includes semi- annual sampling of 70 wells for seven years.

CLEANUP/EXIT STRATEGY

CTC assumptions include:

- 1) LTM will include 100 surface water samples over ten years, 20 FTEs for Cultural Resources Support over ten years, ten Full Time Employees (FTE) for Operational Record Support over ten years, and five FTEs for annual revision of the Interim Plan over ten years. Also includes semi- annual sampling of 70 wells for seven years.
- 2) LTM will also include MEC clearance in the arroyos over ten years, MEC avoidance for ten years, Ecological Risk Assessment, aerial photography, and GIS/Environmental Information Management Systems support over ten years.

Site ID: FTWG- 49
Site Name: Igloo Block C
Alias: Parcel 4

STATUS

Parcel: Parcel 4

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Explosives, Metals, Pesticides

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	200610.....	200909
IRA.....	200810.....	200909
LTM.....	200910.....	201009

RIP Date: N/A

RC Date: 200909

SITE DESCRIPTION

This site 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 5.

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

This parcel is divided by west patrol road; 4B on the west and 4A on the east. Parcel 4B may transfer prior to Parcel 4A because there are currently no AOCs or SWMUs.

The parcels covers 429 acres.

CLEANUP/EXIT STRATEGY

CTC assumptions include:

- 1) The performance of an RFA with 46 soil samples. The RFA will be conducted as a supplement in the RFI phase.
- 2) The ICM will consist of the excavation and offsite disposal of 625 cy of soil.
- 3) The LTM phase will include closeout documentation to certify closure under the RCRA permit.

A CMS will serve as the cost basis when completed and approved by the state.

Site ID: FTWG- 63
Site Name: S.Admin,Workshop Area,Igloo Block B
Alias: Parcel 6

STATUS

Parcel: Parcel 6

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Asbestos, Explosives, Metals,
Pesticides, Polychlorinated Biphenyls, Semi- volatiles, Volatiles

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	198910.....	199004
CS.....	198910.....	199004
RFI/CMS.....	200102.....	201009
DES.....	201110.....	201209
IRA.....	200810.....	200909
CMI(C).....	201010.....	201309
LTM.....	201310.....	201809

RIP Date: N/A

RC Date: 201309

SITE DESCRIPTION

This site 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. 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); 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; AOC- 84, Feature 12 on 1962 aerial photo (API- 3) in 1995 Archive Search Report.

This parcel was being leased to TPL, Inc. with an expiration date of 31 March 2007. They have since vacated the property. The CTC now includes assumptions for the cleanup of various TPL sites.

The parcel covers 1,035 acres.

CLEANUP/EXIT STRATEGY

A CMI(C) soil removal is anticipated for SWMUs - 8 and - 11. An ICM soil removal is anticipated for AOCs - 28 and - 42. An RFA will be performed for all AOCs. The RFA will be conducted as a supplement in the RFI phase. An RFI will be performed for the SWMUs.

CTC assumptions include:

- 1) The performance of an RFA with geophysical mapping of 20 acres and 120 soil samples. A supplemental RFI with four new wells, groundwater/soil sampling, and 54 days of geophysical mapping. A CMS will also be performed.
- 2) The ICM will consist of the excavation and offsite disposal of 1,875 cy of soil. The ICM will also include decontamination of the 90- day storage area, remediation of two TPL areas with 500 cy of soil each, two TPL areas with 100 cy of soil each, and one TPL area with 1,000 cy of soil.
- 3) The CMI(C) will consist of the excavation and offsite disposal of 2,500 cy of soil.
- 4) LTM will include annual sampling of four wells for five years.

Site ID: FTWG- 63
Site Name: S.Admin,Workshop Area,Igloo Block B
Alias: Parcel 6

A CMS will serve as the cost basis when completed and approved by the state. Assumptions for the storage and security of recovered (unexploded) MEC might have to be added to this site for the next update.

Response Complete (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
FTWG- 02	BLDG. 515	200108	SWMU 2 - Now being addressed under FTWG-01 (Parcel 21)
FTWG- 08	BUILDING 15	200109	SWMU 24 - Now being addressed under FTWG-11 (Parcel 11)
FTWG- 09	STORAGE YARD	200109	Site no longer required under new RCRA Permit requirements
FTWG- 16	PCP- TREATED WOOD STORAGE AREA	200008	Site no longer required under new RCRA Permit requirements
FTWG- 17	FIRE TRAINING GROUND	200109	SWMU 7 - Now being addressed under FTWG-01 (Parcel 21)
FTWG- 19	BLDG. 5	199812	SWMU 5 - Now being addressed under FTWG-11 (Parcel 11)
FTWG- 20	MISSILE LAUNCH SITES	199810	Site no longer required under new RCRA Permit requirements
FTWG- 22	BUILDING 11	200209	SWMU 6 - Now being addressed under FTWG-11 (Parcel 11)
FTWG- 23	BLDG 29	200109	Site no longer required under new RCRA Permit requirements
FTWG- 24	BLDG 8	200109	SWMU 23 - Now being addressed under FTWG-11 (Parcel 11)
FTWG- 29	BLDG. 503	199812	Site no longer required under new RCRA Permit requirements
FTWG- 32	COMPLIANCE - UST	199605	Site no longer required under new RCRA Permit requirements
FTWG- 33	COMPLIANCE - FIRE HOUSE UST	199901	Site no longer required under new RCRA Permit requirements
FTWG- 37	COAL TAR STORAGE AREA	200109	Site no longer required under new RCRA Permit requirements
FTWG- 40	WESTERN RIFLE RANGE	200109	SWMU 17 - Now being addressed under FTWG-28 (Parcel 2)
FTWG- 41	PCB SITES	199810	Site no longer required under new RCRA Permit requirements
FTWG- 43	SEPTIC TANKS	200109	Site no longer required under new RCRA Permit requirements
FTWG- 47	CURRENT LANDFILL	200109	Site no longer required under new RCRA Permit requirements
FTWG- 48	IGLOO BLOCK B	200005	AOC 28 - Now being carried under FTWG- 63

Response Complete (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
			(Parcel 6)
FTWG- 50	IGLOO BLOCK D (NON- BMDO)	200005	AOC 30 - Now being addressed under FTWG-38 (Parcel 22)
FTWG- 51	IGLOO BLOCK K	200005	AOC 41 - Now being addressed under FTWG-001- R- 01 (Parcel 16)
FTWG- 52	IGLOO BLOCK A (MDA)	200005	Site no longer required under new RCRA Permit requirements
FTWG- 53	IGLOO BLOCKS C - H, J (MDA)	200005	Site no longer required under new RCRA Permit requirements
FTWG- 54	WESTERN LANDFILL	200209	SWMU 20 - Now being addressed under FTWG-10 (Parcel 7)
FTWG- 60	DOCUMENT INCINERATOR	200109	Site no longer required under new RCRA Permit requirements
FTWG- 61	BUILDING 9	200109	SWMU 37 - Now being addressed under FTWG-11 (Parcel 11)

BRAC- IRP Schedule

Date of BRAC- IRP Inception: 198910

Past Phase Completion Milestones

1990

SI (FTWG- 02 - BLDG. 515, FTWG- 08 - BUILDING 15, FTWG- 09 - STORAGE YARD, FTWG- 16 - PCP- TREATED WOOD STORAGE AREA, FTWG- 17 - FIRE TRAINING GROUND, FTWG- 19 - BLDG. 5 , FTWG- 20 - MISSILE LAUNCH SITES, FTWG- 22 - BUILDING 11, FTWG- 23 - BLDG 29, FTWG- 24 - BLDG 8, FTWG- 29 - BLDG. 503, FTWG- 37 - COAL TAR STORAGE AREA, FTWG- 40 - WESTERN RIFLE RANGE, FTWG- 41 - PCB SITES, FTWG- 43 - SEPTIC TANKS, FTWG- 48 - IGLOO BLOCK B, FTWG- 50 - IGLOO BLOCK D (NON- BMDO), FTWG- 51 - IGLOO BLOCK K, FTWG- 52 - IGLOO BLOCK A (MDA), FTWG- 53 - IGLOO BLOCKS C - H, J (MDA), FTWG- 61 - BUILDING 9)

PA (FTWG- 02 - BLDG. 515, FTWG- 08 - BUILDING 15, FTWG- 09 - STORAGE YARD, FTWG- 16 - PCP- TREATED WOOD STORAGE AREA, FTWG- 17 - FIRE TRAINING GROUND, FTWG- 19 - BLDG. 5 , FTWG- 20 - MISSILE LAUNCH SITES, FTWG- 22 - BUILDING 11, FTWG- 23 - BLDG 29, FTWG- 24 - BLDG 8, FTWG- 29 - BLDG. 503, FTWG- 37 - COAL TAR STORAGE AREA, FTWG- 40 - WESTERN RIFLE RANGE, FTWG- 41 - PCB SITES, FTWG- 43 - SEPTIC TANKS, FTWG- 48 - IGLOO BLOCK B, FTWG- 50 - IGLOO BLOCK D (NON- BMDO), FTWG- 51 - IGLOO BLOCK K, FTWG- 52 - IGLOO BLOCK A (MDA), FTWG- 53 - IGLOO BLOCKS C - H, J (MDA), FTWG- 61 - BUILDING 9)

CS (FTWG- 63 - S.Admin,Workshop Area,Igloo Block B, FTWG- 01 - TNT Beds, Deact Furn, Other Bldngs, FTWG- 07 - Lake Knudson Area, FTWG- 10 - W Landfill, POL Area, RR Class Yard, FTWG- 11 - Admin Area, Sewage Treatment Plant, FTWG- 12 - Eastern Landfill, FTWG- 15 - Bivouac and Tank Training Area, FTWG- 18 - Former Structures or Buildings, FTWG- 21 - Igloo Block A, FTWG- 26 - Aerial Photo Feature, FTWG- 27 - Igloo Blocks E,F,G, T- 422, P- Range, FTWG- 36 - POL Area, Fmr Admin and Utilities, FTWG- 38 - Igloo Bock D, Ammo Workshop, FTWG- 42 - Site- wide Tasks, FTWG- 49 - Igloo Block C, FTWG- 60 - DOCUMENT INCINERATOR)

RFA (FTWG- 63 - S.Admin,Workshop Area,Igloo Block B, FTWG- 01 - TNT Beds, Deact Furn, Other Bldngs, FTWG- 07 - Lake Knudson Area, FTWG- 10 - W Landfill, POL Area, RR Class Yard, FTWG- 11 - Admin Area, Sewage Treatment Plant, FTWG- 12 - Eastern Landfill, FTWG- 15 - Bivouac and Tank Training Area, FTWG- 18 - Former Structures or Buildings, FTWG- 21 - Igloo Block A, FTWG- 26 - Aerial Photo Feature, FTWG- 27 - Igloo Blocks E,F,G, T- 422, P- Range, FTWG- 36 - POL Area, Fmr Admin and Utilities, FTWG- 38 - Igloo Bock D, Ammo Workshop, FTWG- 42 - Site- wide Tasks, FTWG- 49 - Igloo Block C, FTWG- 60 - DOCUMENT INCINERATOR)

1993

ISC (FTWG- 32 - COMPLIANCE - UST)

INV (FTWG- 32 - COMPLIANCE - UST)

1995

ISC (FTWG- 33 - COMPLIANCE - FIRE HOUSE UST)

RI/FS (FTWG- 41 - PCB SITES)

DES (FTWG- 33 - COMPLIANCE - FIRE HOUSE UST)

1996

RFA (FTWG- 28 - Group C Landfill, West Rifle Range, FTWG- 30 - Central Landfill, FTWG- 47 - CURRENT LANDFILL, FTWG- 54 - WESTERN LANDFILL)

IMP(C) (FTWG- 32 - COMPLIANCE - UST)

CAP (FTWG- 32 - COMPLIANCE - UST)

1997

RI/FS (FTWG- 19 - BLDG. 5)

IMP(C) (FTWG- 33 - COMPLIANCE - FIRE HOUSE UST)

RD (FTWG- 19 - BLDG. 5)

1998

RI/FS (FTWG- 29 - BLDG. 503)

BRAC- IRP Schedule

1998	
RD	(FTWG- 29 - BLDG. 503, FTWG- 41 - PCB SITES)
RA(C)	(FTWG- 20 - MISSILE LAUNCH SITES, FTWG- 41 - PCB SITES)
CS	(FTWG- 47 - CURRENT LANDFILL)
1999	
IRA	(FTWG- 19 - BLDG. 5)
RA(C)	(FTWG- 19 - BLDG. 5 , FTWG- 29 - BLDG. 503)
DES	(FTWG- 54 - WESTERN LANDFILL)
RFI/CMS	(FTWG- 54 - WESTERN LANDFILL)
LTM	(FTWG- 33 - COMPLIANCE - FIRE HOUSE UST)
2000	
RI/FS	(FTWG- 16 - PCP- TREATED WOOD STORAGE AREA, FTWG- 22 - BUILDING 11, FTWG- 48 - IGLOO BLOCK B, FTWG- 50 - IGLOO BLOCK D (NON- BMDO), FTWG- 51 - IGLOO BLOCK K, FTWG- 52 - IGLOO BLOCK A (MDA), FTWG- 53 - IGLOO BLOCKS C - H, J (MDA))
RD	(FTWG- 22 - BUILDING 11)
2001	
RFI/CMS	(FTWG- 47 - CURRENT LANDFILL, FTWG- 60 - DOCUMENT INCINERATOR)
RI/FS	(FTWG- 02 - BLDG. 515, FTWG- 08 - BUILDING 15, FTWG- 09 - STORAGE YARD, FTWG- 17 - FIRE TRAINING GROUND, FTWG- 23 - BLDG 29, FTWG- 24 - BLDG 8, FTWG- 37 - COAL TAR STORAGE AREA, FTWG- 40 - WESTERN RIFLE RANGE, FTWG- 43 - SEPTIC TANKS, FTWG- 61 - BUILDING 9)
2002	
CMI(C)	(FTWG- 54 - WESTERN LANDFILL)
RA(C)	(FTWG- 22 - BUILDING 11)

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- 01	TNT Beds, Deact Furn, Other Bldngs	Parcel 21	20130930
FTWG- 07	Lake Knudson Area	Parcel 13	20140930
FTWG- 10	W Landfill, POL Area, RR Class Yard	Parcel 7	20190930
FTWG- 11	Admin Area, Sewage Treatment Plant	Parcel 11	20140930
FTWG- 12	Eastern Landfill	Parcel 18	20180930
FTWG- 15	Bivouac and Tank Training Area	Parcel 14	20080930
FTWG- 18	Former Structures or Buildings	Parcel 5	20130930
FTWG- 21	Igloo Block A	Parcel 24	20150930
FTWG- 26	Aerial Photo Feature	Parcel 9	20160930
FTWG- 27	Igloo Blocks E,F,G, T- 422, P- Range	Parcel 19	20200930
FTWG- 28	Group C Landfill, West Rifle Range	Parcel 2	20200930
FTWG- 30	Central Landfill	Parcel 23	20160930
FTWG- 36	POL Area, Fmr Admin and Utilities	Parcel 10	20170930

BRAC- IRP Schedule

FTWG- 38	Igloo Bock D, Ammo Workshop	Parcel 22	20140930
FTWG- 49	Igloo Block C	Parcel 4	20120930
FTWG- 63	S.Admin,Workshop Area,Igloo Block B	Parcel 6	20150930

Final RA(C) Completion Date: 201909

NPL Deletion Date: N/A

Schedule for Next Five- Year Review: N/A

Estimated Completion Date of BRAC- IRP at Installation (including LTM phase): 204709

FORT WINGATE DEPOT ACTIVITY BRAC- IRP Schedule

 = phase underway

SITE ID	SITE NAME	PHASE	FY08	FY09	FY10	FY11	FY12	FY13+
FTWG- 01	TNT Beds, Deact Furn, Other Bldngs	RFA						
		CS						
		RFI/CMS						
		DES						
		IRA						
		CMI(C)						
		LTM						
SITE ID	SITE NAME	PHASE	FY08	FY09	FY10	FY11	FY12	FY13+
FTWG- 07	Lake Knudson Area	RFA						
		CS						
		RFI/CMS						
		LTM						
SITE ID	SITE NAME	PHASE	FY08	FY09	FY10	FY11	FY12	FY13+
FTWG- 10	W Landfill, POL Area, RR Class Yard	RFA						
		CS						
		RFI/CMS						
		DES						
		CMI(C)						
		LTM						
SITE ID	SITE NAME	PHASE	FY08	FY09	FY10	FY11	FY12	FY13+
FTWG- 11	Admin Area, Sewage Treatment Plant	RFA						
		CS						
		RFI/CMS						
		DES						
		CMI(C)						
		LTM						
SITE ID	SITE NAME	PHASE	FY08	FY09	FY10	FY11	FY12	FY13+
FTWG- 12	Eastern Landfill	RFA						
		CS						
		RFI/CMS						
		DES						
		CMI(C)						
		LTM						
SITE ID	SITE NAME	PHASE	FY08	FY09	FY10	FY11	FY12	FY13+
FTWG- 15	Bivouac and Tank Training Area	RFA						
		CS						
		RFI/CMS						

FORT WINGATE DEPOT ACTIVITY BRAC- IRP Schedule

SITE ID	SITE NAME	PHASE	FY08	FY09	FY10	FY11	FY12	FY13+
FTWG- 18	Former Structures or Buildings	RFA						
		CS						
		RFI/CMS						
		IRA						
		LTM						
SITE ID	SITE NAME	PHASE	FY08	FY09	FY10	FY11	FY12	FY13+
FTWG- 21	Igloo Block A	RFA						
		CS						
		RFI/CMS						
		IRA						
		LTM						
SITE ID	SITE NAME	PHASE	FY08	FY09	FY10	FY11	FY12	FY13+
FTWG- 26	Aerial Photo Feature	RFA						
		CS						
		RFI/CMS						
		IRA						
		LTM						
SITE ID	SITE NAME	PHASE	FY08	FY09	FY10	FY11	FY12	FY13+
FTWG- 27	Igloo Blocks E,F,G, T- 422, P- Range	RFA						
		CS						
		RFI/CMS						
		DES						
		IRA						
		CMI(C)						
		LTM						
SITE ID	SITE NAME	PHASE	FY08	FY09	FY10	FY11	FY12	FY13+
FTWG- 28	Group C Landfill, West Rifle Range	RFA						
		RFI/CMS						
		DES						
		IRA						
		CMI(C)						
		LTM						
SITE ID	SITE NAME	PHASE	FY08	FY09	FY10	FY11	FY12	FY13+
FTWG- 30	Central Landfill	RFA						
		RFI/CMS						
		DES						
		IRA						
		CMI(C)						
		LTM						

FORT WINGATE DEPOT ACTIVITY BRAC- IRP Schedule

SITE ID	SITE NAME	PHASE	FY08	FY09	FY10	FY11	FY12	FY13+
FTWG- 36	POL Area, Fmr Admin and Utilities	RFA						
		CS						
		RFI/CMS						
		LTM						
SITE ID	SITE NAME	PHASE	FY08	FY09	FY10	FY11	FY12	FY13+
FTWG- 38	Igloo Bock D, Ammo Workshop	RFA						
		CS						
		RFI/CMS						
		DES						
		IRA						
		CMI(C)						
		LTM						
SITE ID	SITE NAME	PHASE	FY08	FY09	FY10	FY11	FY12	FY13+
FTWG- 42	Site- wide Tasks	RFA						
		CS						
		LTM						
SITE ID	SITE NAME	PHASE	FY08	FY09	FY10	FY11	FY12	FY13+
FTWG- 49	Igloo Block C	RFA						
		CS						
		RFI/CMS						
		IRA						
		LTM						
SITE ID	SITE NAME	PHASE	FY08	FY09	FY10	FY11	FY12	FY13+
FTWG- 63	S.Admin,Workshop Area,Igloo Block B	RFA						
		CS						
		RFI/CMS						
		DES						
		IRA						
		CMI(C)						
		LTM						

BRAC- IRP Costs

Total Funding through FY2004: \$33,665.0 K

Prior Funding

FY	Phase	Site ID	Obligations	FY Total
2005	RAC	FTWG- 012	\$647.0 K	\$647.0 K
2006			\$112.3 K	\$112.3 K

TOTAL PRIOR FUNDING: \$34,424.3 K

Current Requirements

FY	Phase	Site ID	Requirements	FY Total
2007	LTM	FTWG- 42	\$292.8 K	\$852.8 K
	RI	FTWG- 01	\$311.6 K	
		FTWG- 38	\$233.2 K	
		FTWG- 63	\$15.2 K	

TOTAL CURRENT REQUIREMENTS \$852.8 K

TOTAL FUTURE REQUIREMENTS: \$69,320.0 K

TOTAL PROGRAM COST: \$104,597.1 K

FORT WINGATE DEPOT ACTIVITY

**Base Realignment and Closure
Military Munitions Response Program**

BRAC- MMRP Summary

Installation Total Army Environmental Database- Restoration (AEDB- R) Sites/Response Complet (RC) Sites: 7/4

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, Munitions constituents, Perchlorate, Pesticides, Polychlorinated Biphenyls, Polynuclear Aromatic Hydrocarbons, Semi- volatiles, Volatiles

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
N/A					

Total BRAC- MMRP Funding

Prior Funding: \$3,622.0 K
 Current Requirements: \$1,264.6 K
 Future Requirements: \$82,685.0 K

Duration of BRAC- MMRP

Date of BRAC- MMRP Inception: 198910
 Estimated Date for Remedy- In- Place (RIP)/Response Complete (RC): 201709/201709
 Date of BRAC- MMRP completion including Long Term Management (LTM): 204809

BRAC- MMRP Contamination Assessment

Contamination Assessment Overview

Off- post MEC and munitions debris (MD) have been found on the west side of Parcel 3 stemming from 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 1 foot below ground surface in 1995 (UXB, 1995). This area consisted of off- site property identified as being contaminated with surficial MEC and MD from historical OB/OD Area operations ("kick- out"), during a site survey conducted by USACE, Huntsville Division. Additional MEC and munitions waste lies to the south, and possibly east of Parcel 3 in Parcel 1, which has already been transferred to the DOI. Additional survey and removal are required under the permit to address this issue.

Munitions known to have been stored or demilitarized at Fort Wingate are:

Projectiles:

20mm HEI	90mm Gun, HE, M71
37mm APC- T, M51	90mm Gun, HE- T, T91
37mm HE, M63	90mm Gun, APC- T,M82 w/BD
40mm HE- T, MK27	Fuze M52
57mm Gun, APC- T, M86	105mm Howitzer, WP, M60
57mm RR, HE, M306A1	105mm Smoke, HC, M84
60mm HE, M49A2 w/PD	105mm WP, T19E2 (mortar)
Fuze M52	4.2" HE, M329 w/PD M51A4
3" APHE	4.5" Prop Charge(rocket?)
75mm Gun, APC- T, M61	120mm Prop Charge
75mm Gun, HE, T50E2	155mm Howitzer, HE,M101
75mm HE, M41A1 w/PD	155mm WP, M110
Fuze M48	155mm Prop Charge
75mm Howitzer, HE	6" Gun Prop Charge
M48A1	8" Howitzer, HE, M103
76mm APC- T, M62A1	240mm
81mm WP, M57 w/PD Fuze	81mm HE, M43A1
M52A2	

Bombs:

3- lb. Demolition	750- lb. Demolition
8- lb. Drift Signal	1,000- lb. GP, M44
20- lb. Frag	1,000- lb. SAP, AN- M59A1
23- lb. Frag,TNT,M72	2,000- lb. GP, AN- M66
90- lb. Frag, M82	2,000- lb. GP, AN- M34
100- lb. GP	2,000- lb. LC, T9
100- lb. GP, AN- M64	10,000- lb. Demolition,
100- lb. Frag, M1A1	T56E2
250- lb. GP	M83 "Butterfly"
500- lb. GP, AN- M64	BLU- 3
500- lb. Demolition M43	BLU- 4
500- lb. Frag, M26	Firebomb (napalm)

Other Munitions:

2.75" Rocket	Mine,AP,M2,M2A1,M2A4,M3
3.25" Target Rocker	Mine,AT,M15
3.5" Rocket, WP, M30	Mine, M6
3.5" Rocket, Practice,	Hand Grenade,Frag,M26
M29A2	TNT, bulk
4.5" Rocket, HE, T22	Rocket- propelled grenade,
5" Rocket	PG- 9
Nike Missile	Trip Flare, M49
Fuze, Flare, Mech	Commercial (Police) gas
Time, M11	bomb (DM)

BRAC- MMRP Contamination Assessment

Cleanup Exit Strategy

FWDA served as an Army Depot from 1918 until 1993, when it was closed as a result of the Defense Authorization Amendments and BRAC of 1988. The installation's former mission was to receive, store, package, and ship munitions, and to dispose of those which were obsolete or deteriorated. Bulk explosives, large and small caliber munitions, and general purpose bombs were handled at FWDA. All military munitions, stored by FWDA during the active mission, were removed and transported to other installations around the time of closure in 1993. There were approximately 732 earth-covered igloos, 241 earthen revetments, and above standard above-ground magazines when the installation was closed. In total, 628 of the 732 igloos have been inspected, certified free from explosive hazard, and sealed. The remaining igloos, which have not been inspected, are in use by TPL or MDA (inert storage only), and will be subject to the same explosive safety inspection requirements prior to transfer.

MR activities (i.e., surveys and clearance) have been undertaken at various areas of FWDA, including FTR 1 (SWMU 38), FTR 2/3 (SWMU 16), Group C Landfill (SWMU 22), Building 530 (SWMU 72), the Document Incinerator at the Sewage Treatment Plant (SWMU 10), Igloo Block B (AOC 28), the Ballistic Missile Test Site at the former Southern Property (within Parcel 1), and the OB/OD Area. These activities have been conducted, to determine the extent of MEC contamination, that constituted an imminent and substantial endangerment to the local populace and site personnel, to support the ongoing environmental investigations and RCRA closure activities, and for various construction purposes. Additional MEC activities have included avoidance and removal and demolition support during environmental investigation and characterization efforts, as well as during building demolition activities.

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
Alias: Parcel 16

STATUS

Parcel: Parcel 16

Regulatory Driver: RCRA

MRSP Score: Evaluation pending

Contaminants of Concern: Explosives, Metals, Munitions and explosives of concern, Munitions constituents, Perchlorate, Pesticides, Polychlorinated Biphenyls, Semi- volatiles

Media of Concern: Soil

Phases	Start	End
RFA.....	200205.....	200305
RFI/CMS.....	200910.....	201209
DES.....	201410.....	201509
IRA.....	201110.....	201209
CMI(C).....	201510.....	201609
LTM.....	201610.....	201709

RIP Date: N/A

RC Date: 201609

SITE DESCRIPTION

This site has been converted to a parcel as a result of the new RCRA permit. Site was SWMU 14 (as an interim designation in the Draft Permit).

Includes following sites: SWMU- 16, Functional Test Range 2/3; AOC- 41, Igloo Block K; AOC- 57, Buildings 306, 307, 308, 309, 310 (Standard Magazines near Knudson Lake)

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.

An IRA soil removal is anticipated to occur at AOC- 41. 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.

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.

The parcel covers 871 acres.

CLEANUP/EXIT STRATEGY

An ICM soil removal is anticipated to occur at AOC- 41. 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.

CTC assumptions include:

- 1) Performance of an RFA with 34 soil samples, a supplemental RFI, and a CMS. Geophysical mapping of 700 acres will also be performed.
- 2) The ICM will consist of the excavation and offsite disposal of 625 cy of soil.
- 3) The CMI(C) will include MEC surface clearance of 611 acres and subsurface clearance of 61 acres.

A CMS will serve as the cost basis when completed and approved by the state.

Site ID: FTWG- 002- R- 01
Site Name: OB/OD Area
Alias: Parcel 3

STATUS

Parcel: Parcel 3

Regulatory Driver: RCRA

MRSPS Score: Evaluation pending

Contaminants of Concern: Explosives, Metals, Munitions and explosives of concern, Munitions constituents, Perchlorate, Polychlorinated Biphenyls, Semi- volatiles, Volatiles

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

Phases	Start	End
RFA.....	200205.....	200305
RFI/CMS.....	200610.....	201509
DES.....	201210.....	201509
IRA.....	200609.....	201409
CMI(C).....	201310.....	201709
LTM.....	201710.....	204809

RIP Date: N/A

RC Date: 201709

SITE DESCRIPTION

This site has been converted to a parcel as a result of a the new RCRA permit. Site was SWMU 15 (as an interim designation in the Draft Permit).

Includes 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; AOC- 92, Feature 31 on the 1973 historic aerial photo (API- 5) and Feature 21 on the 1978 aerial photo (API- 7) in 1995 Archive Search Report.

Parts of Parcel 3 were used for open burning and open detonation 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 is being submitted to USATCES to allow work to be done in Parcel 3.

The current open burning/open detonation operation occurred under RCRA interim status; therefore this portion of the OB/OD area will be closed as a hazardous waste management unit (HWMU) in accordance with RCRA Subtitle C.

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.

In 2006, approximately 3 miles of chain- link fence was 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.

The Kick- out area extends beyond depot property, requiring coordination with offpost property owners.

The parcel covers 1,807 acres.

CLEANUP/EXIT STRATEGY

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 include:

Site ID: FTWG- 002- R- 01
Site Name: OB/OD Area
Alias: Parcel 3

- 1) Performance of an RFA, a supplemental soils RFI, a groundwater RFI, and a CMS.
- 2) The ICM will include a MEC clearance Work Plan, the Kickout Area MEC surface clearance (2,000 acres), MEC excavation and sifting of the OB/OD area (34 acres, 219,413 cy), offsite disposal of 13,713 cy, MEC surface clearance/mapping (34 acres on excavated surface), offsite MEC investigation (300 acres), MEC clearance to depth (200 acres), offsite disposal of 500 cy (from MEC clearance), diversion and stabilization of an arroyo, with excavation and placement of riprap (including three acres of MEC clearance), and 14,000 ft of boundary fencing (includes a Work Plan, report, and QA).
- 3) The CMI(C) will consist of 200 acres of MEC clearance to depth and offsite disposal of 1,000 cy.
- 4) LTM will include annual sampling of 40 wells for 30 years.

A CMS will serve as the cost basis when completed and approved by the state.

Site ID: FTWG- 003- R- 01
Site Name: Functional Test Range 1
Alias: Parcel 20

STATUS

Parcel: Parcel 20 (Army Retained)

Regulatory Driver: RCRA

MRSP Score: Evaluation pending

Contaminants of Concern: Explosives, Metals, Munitions and explosives of concern, Munitions constituents, Perchlorate, Polynuclear Aromatic Hydrocarbons

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	200205.....	200305
RFI/CMS.....	200306.....	201509
DES.....	201510.....	201609
CMI(C).....	201610.....	201709
LTM.....	202010.....	202109

RIP Date: N/A

RC Date: 201709

SITE DESCRIPTION

This site has been converted to a parcel as a result of a the new RCRA permit. Includes the following site: SWMU- 38, Functional Test Range 1.

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 number of items were found.

This parcel is being leased by MDA.

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.

The parcel covers 1,694 acres.

CLEANUP/EXIT STRATEGY

CTC assumptions include:

- 1) Performance of a supplemental RFI with three new wells and groundwater sampling, and a CMS. Geophysical mapping of 400 acres will also be performed.
- 2) The CMI(C) will consist of the excavation and offsite disposal of 6,250 cy of soil. The CMI(C) will also include MEC surface clearance of 378 acres and subsurface clearance of 38 acres.

A CMS will serve as the cost basis when completed and approved by the state.

Response Complete (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
FTWG- 05	OPEN BURNING/DETONATION AREA	200304	Site Closed due to conversion from UXO Flagged sites to MMRP sites July 2003. This site is now FTWG- 002- R- 01.
FTWG- 25	FUNCTIONAL TEST RANGE 1	200304	Site Closed due to conversion from UXO Flagged sites to MMRP sites July 2003. This site is now FTWG- 003- R- 01.
FTWG- 31	COMPLIANCE UXO REMEDIATION	199909	Site no longer required under new RCRA Permit requirements
FTWG- 39	FUNCTIONAL TEST RANGE 2/3	200109	Now being addressed under FTWG- 001- R- 01.

BRAC- MMRP Schedule

Date of BRAC- MMRP Inception: 198910

Past Phase Completion Milestones

1990

RFA (FTWG- 05 - OPEN BURNING/DETONATION AREA)
 SI (FTWG- 25 - FUNCTIONAL TEST RANGE 1 , FTWG- 39 - FUNCTIONAL TEST RANGE 2/3)
 CS (FTWG- 05 - OPEN BURNING/DETONATION AREA)
 PA (FTWG- 25 - FUNCTIONAL TEST RANGE 1 , FTWG- 39 - FUNCTIONAL TEST RANGE 2/3)

1994

PA (FTWG- 31 - COMPLIANCE UXO REMEDIATION)

1999

RFI/CMS (FTWG- 05 - OPEN BURNING/DETONATION AREA)

2000

RI/FS (FTWG- 25 - FUNCTIONAL TEST RANGE 1)

2001

RI/FS (FTWG- 39 - FUNCTIONAL TEST RANGE 2/3)

2003

RFA (FTWG- 001- R- 01 - F. Test Range 2/3, Other Bldgs, FTWG- 002- R- 01 - OB/OD Area, FTWG- 003- R- 01 - Functional Test Range 1)

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: 201709

NPL Deletion Date: N/A

Schedule for Next Five- Year Review: N/A

Estimated Completion Date of BRAC- MMRP at Installation (including LTM phase): 204809

FORT WINGATE DEPOT ACTIVITY BRAC- MMRP Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY08	FY09	FY10	FY11	FY12	FY13+
FTWG- 001- R-01	F. Test Range 2/3, Other Bldgs	RFA						
		RFI/CMS						
		DES						
		IRA						
		CMI(C)						
		LTM						
SITE ID	SITE NAME	PHASE	FY08	FY09	FY10	FY11	FY12	FY13+
FTWG- 002- R-01	OB/OD Area	RFA						
		RFI/CMS						
		DES						
		IRA						
		CMI(C)						
		LTM						
SITE ID	SITE NAME	PHASE	FY08	FY09	FY10	FY11	FY12	FY13+
FTWG- 003- R-01	Functional Test Range 1	RFA						
		RFI/CMS						
		DES						
		CMI(C)						
		LTM						

BRAC- MMRP Costs

Total Funding through FY2004: \$732.0 K

Prior Funding

FY	Phase	Site ID	Obligations	FY Total
2006	IRA	FTWG- 002- R- 01	\$2,890.0 K	\$2,890.0 K

TOTAL PRIOR FUNDING: \$3,622.0 K

Current Requirements

FY	Phase	Site ID	Requirements	FY Total
2007	IRA	FTWG- - 002- R- 01	\$1,108.1 K	\$1,264.6 K
	RI	FTWG- - 002- R- 01	\$156.5 K	

TOTAL CURRENT REQUIREMENTS \$1,264.6 K

TOTAL FUTURE REQUIREMENTS: \$82,685.0 K

TOTAL PROGRAM COST: \$87,571.6 K

FORT WINGATE DEPOT ACTIVITY

**Base Realignment and Closure
Closure- Related Compliance**

BRAC- Compliance Summary

Installation Total Army Environmental Database- Restoration (AEDB- R) Sites/Response Complet (RC) Sites: 8/8

Installation Site Types with Future and/or Underway Phases

Most Widespread Contaminants of Concern

Media of Concern

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

Site ID	Site Name	Action	Remedy	FY	Cost
FTWG- 44	COMPL - ABOVEGROUND STORAGE TANKS	IRA	OTHER	1999	\$25.0 K
FTWG- 64	IGLOO EXPLOSIVE INSPECTIONS	FRA	OTHER	2001	\$40.0 K
FTWG- 35	COMPLIANCE - ASBESTOS REMOVAL	FRA	REMOVAL	2002	\$250.0 K

BRAC- Compliance Contamination Assessment

Contamination Assessment Overview

All Compliance- Related Cleanup sites are closed.

Cleanup Exit Strategy

FORT WINGATE DEPOT ACTIVITY

Closure- Related Compliance

Site Descriptions

Response Complete (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
FTWG- 34	COMPLIANCE - LBP REMOVAL	199804	Site no longer required under new RCRA Permit requirements
FTWG- 35	COMPLIANCE - ASBESTOS REMOVAL	200208	Site no longer required under new RCRA Permit requirements
FTWG- 44	COMPL - ABOVEGROUND STORAGE TANKS	199906	Site no longer required under new RCRA Permit requirements
FTWG- 45	COMPLIANCE - RADON	199503	Site no longer required under new RCRA Permit requirements
FTWG- 46	COMPLIANCE - RADIATION SURVEY	199906	Site no longer required under new RCRA Permit requirements
FTWG- 55	STORM WATER PROJECT	200509	Site no longer required under new RCRA Permit requirements
FTWG- 58	RCRA POST CLOSURE PERMIT	200109	Site no longer required under new RCRA Permit requirements
FTWG- 64	IGLOO EXPLOSIVE INSPECTIONS	200109	Site no longer required under new RCRA Permit requirements

BRAC- Compliance Schedule

Past Phase Completion Milestones

1989	
RFA	(FTWG- 58 - RCRA POST CLOSURE PERMIT)
1990	
SI	(FTWG- 35 - COMPLIANCE - ASBESTOS REMOVAL, FTWG- 44 - COMPL - ABOVEGROUND STORAGE TANKS, FTWG- 45 - COMPLIANCE - RADON, FTWG- 46 - COMPLIANCE - RADIATION SURVEY, FTWG- 64 - IGLOO EXPLOSIVE INSPECTIONS)
PA	(FTWG- 34 - COMPLIANCE - LBP REMOVAL, FTWG- 35 - COMPLIANCE - ASBESTOS REMOVAL, FTWG- 44 - COMPL - ABOVEGROUND STORAGE TANKS, FTWG- 45 - COMPLIANCE - RADON, FTWG- 46 - COMPLIANCE - RADIATION SURVEY, FTWG- 64 - IGLOO EXPLOSIVE INSPECTIONS)
1991	
CS	(FTWG- 58 - RCRA POST CLOSURE PERMIT)
1995	
RI/FS	(FTWG- 45 - COMPLIANCE - RADON)
1996	
PA	(FTWG- 55 - STORM WATER PROJECT)
1998	
RI/FS	(FTWG- 34 - COMPLIANCE - LBP REMOVAL, FTWG- 35 - COMPLIANCE - ASBESTOS REMOVAL)
1999	
RD	(FTWG- 35 - COMPLIANCE - ASBESTOS REMOVAL)
IRA	(FTWG- 44 - COMPL - ABOVEGROUND STORAGE TANKS)
RI/FS	(FTWG- 44 - COMPL - ABOVEGROUND STORAGE TANKS, FTWG- 46 - COMPLIANCE - RADIATION SURVEY)
2000	
RI/FS	(FTWG- 55 - STORM WATER PROJECT)
2001	
RFI/CMS	(FTWG- 58 - RCRA POST CLOSURE PERMIT)
RA(C)	(FTWG- 64 - IGLOO EXPLOSIVE INSPECTIONS)
2002	
RA(C)	(FTWG- 35 - COMPLIANCE - ASBESTOS REMOVAL)
2005	
LTM	(FTWG- 55 - STORM WATER PROJECT)

Projected Phase Completion Milestones


See attached schedule

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

To Be Determined

Estimated Completion Date of BRAC- Compliance at Installation (including LTM phase): 200509

FORT WINGATE DEPOT ACTIVITY BRAC- Compliance Schedule

 = phase underway

BRAC- Compliance Costs

Total Funding through FY2004: \$0 K

Prior Funding

FY	Phase	Site ID	Obligations	FY Total
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TOTAL PRIOR FUNDING: \$0 K

Current Requirements

FY	Phase	Site ID	Requirements	FY Total
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TOTAL CURRENT REQUIREMENTS \$0 K

TOTAL FUTURE REQUIREMENTS: \$0 K

TOTAL PROGRAM COST: \$0 K

Community Involvement

Technical Review Committee (TRC): None

Restoration Advisory Board (RAB): RAB established 1994

RAB Adjournment Date:

RAB Adjournment Reason:

Community Involvement Plan (Date Published): 200609

Additional Community Involvement Information

A Restoration Advisory Board (RAB) for FWDA was formed in 1994. RAB meetings were generally held on a quarterly basis from 1993 until mid- 2004, when the meetings were suspended between March 2004 and 2006, 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 2- 4 times per year during this period.

Environmental restoration activities at FWDA, in support of the BRAC closure of the installation, were initiated in earnest during mid- 1993. Regularly scheduled contact with the Navajo and Zuni through the RAB process was initiated in the fall of 1994. In February of 1994, the BCT was established, with formal members of the BCT consisting of the FWDA BEC, and the designated points of contact from NMED, USEPA, Region 6, and 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. Consensus decisions regarding specific activities are reached, if possible, 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 during the period 1991- 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 NEJAC (see Section 3.0), as authorized by the USEPA Office of Environmental Justice. Native American individuals 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. As public attendance was poor, the Army conducted an interest survey to determine if the RAB should remain active. The FWDA BEC chose to inactivate the RAB in March 2007, after there was no response to the interest survey requests placed in the local media. Another survey will be conducted in the summer of 2008 to determine whether there is enough interest at that time to reactivate the RAB. However, BCT meetings will continue to be held about twice a year. The FWDA RAB has not taken part in the Technical Assistance for Public Participation program to date.

Administrative Record is located at

Fort Wingate Depot Activity
Building 1

Community Involvement

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

TAPP Title: N/A

Potential TAPP: N/A

