

Fort Bliss Installation Action Plan



Fiscal Year 2005

as of

April 2004

Fort Bliss Installation Action Plan FY05 as of April 2004



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Table of Contents

Table of Contents
Statement of Purpose
Conversions
Acronyms and Abbreviations

SUMMARY

Installation Action Plan Summary 1

INSTALLATION INFORMATION & DESCRIPTION

Installation Information 1
Installation Description 2
Installation Location 4

CONTAMINATION ASSESSMENT

Contamination Assessment 1
Previous IRP Studies 3

SITE DESCRIPTIONS

Active AEDB-R Sites 1
FTBL-012 Dona Ana Rubble Pit/Landfill No. 12 2
FTBL-013 Rubble Pit/Landfill No. 13 (McGregor Range) 3
FTBL-021 McGregor Oxidation Lagoon 4
FTBL-030/FTBLS-004-R-01 Excess (Dispose of) Closed Castner Range 6
FTBL-073 Castner OB/OD Pit A-1 8
FTBL-083 Biggs AAF Blimp Base Fueling Facility 9
FTBL-084 USAF Fuel Lines under the Bulk Fuel Farm Biggs AAF 10
FTBLS-001-R-01 Dona Ana Range - McNew Surplus 11
FTBLS-002-R-01 Maneuver Areas No 1 & No 2 12
FTBLS-003-R-01 Winfree’s Nose 13
FTBLS-005-R-01 Fort Bliss Dona Ana Range 14
Response Complete Sites 15
FTBL-001 Sanitary Landfill 1 16
FTBL-002 Closed Sanitary Landfill 2 16
FTBL-003 Closed Rubble Landfill 3 17
FTBL-004 Closed Sanitary Landfills 4A & 4B 17
FTBL-005 Closed Sanitary Landfill 5 18
FTBL-006 Disposal Area/Landfill 6 18
FTBL-007 Closed Sanitary Landfill 7 19
FTBL-008 Disposal Area/Landfill 8 19
FTBL-009 Disposal Area/Landfill 9 20
FTBL-010 Closed Landfill 10 20
FTBL-011 Closed Landfill 11 (Dona Ana Range) 21
FTBL-014 Oro Grande Rubble Pit/Landfill 14 22
FTBL-015 Closed Open Detonation Area (McGregor Range) 23
FTBL-016 Dona Ana Range 41/Detonation Area 24
FTBL-017 Raytheon Chromic Acid Pit 25
FTBL-018 Biggs New FFTA 25
FTBL-019 Pesticide Mixing & Storage Area (Bldgs. 60-36 & 60-276) 26
FTBL-020 Pathological Incinerator 26
FTBL-022 Oro Grande Oxidation Lagoon 27

Table of Contents

| | |
|---|----|
| FTBL-023 Dona Ana Evaporation Pond..... | 28 |
| FTBL-024 Closed Oxidation Lagoon - JTF6 | 29 |
| FTBL-025 Active Hazardous Waste Storage & PCB Storage (Bldg. 11614) | 29 |
| FTBL-028 Rubble Dump Spill Site (Near Site Monitor) | 30 |
| FTBL-029 Closed Biggs Old FFTA | 31 |
| FTBL-031 Closed Oil Pits at Sanitary Landfill No. 2 | 32 |
| FTBL-032 McGregor FFTA | 33 |
| FTBL-033 Stormwater Impound Area/Drainage System..... | 34 |
| FTBL-034 Herbicide Storage Building 11160..... | 34 |
| FTBL-035 Active Rubble Pit No. 1 | 35 |
| FTBL-036 UNICOR Dry Cleaning Remediation-Bldg. 2019 | 35 |
| FTBL-037 McGregor Borrow Pit Drum Burial Site | 36 |
| FTBL-038 Building 1378 UST Site | 37 |
| FTBL-039 Building 199 UST Site | 37 |
| FTBL-040 Building 1742 UST Site | 38 |
| FTBL-041 Building 11106 UST Site | 39 |
| FTBL-042 Building 9522 UST Site | 40 |
| FTBL-043 Closed Rubble Pit No. 2 | 40 |
| FTBL-044 Rubble Dump - Biggs Army Air Field | 41 |
| FTBL-045 Closed Waste Drum Storage Area (McGregor) | 42 |
| FTBL-046 Closed Drainage Ditch Near Bldg. 1248 | 43 |
| FTBL-047 Illegal Dump Site Oro Grande | 43 |
| FTBL-049 Bldg. 1116 Soil Remediation and Disposal | 44 |
| FTBL-050 Bldg. 11636-Bureau of Prisons Pond | 44 |
| FTBL-051 Meyer Range Oxidation Pond..... | 45 |
| FTBL-052 Building 2469 UST Site | 45 |
| FTBL-053 Building 9496 UST Site | 46 |
| FTBL-054 Building 2491 UST Site | 47 |
| FTBL-055 Building 9485 UST Site | 47 |
| FTBL-056 Building 675 UST Site | 48 |
| FTBL-057 Building 4115 UST Site..... | 48 |
| FTBL-058 Building 11041 UST Site..... | 49 |
| FTBL-059 Building 11107 UST Site | 49 |
| FTBL-060 Building 5898 UST Site | 50 |
| FTBL-061 Building 8172 UST Site | 50 |
| FTBL-062 Building 56 UST Site | 51 |
| FTBL-063 Building 6957 UST Site | 51 |
| FTBL-064 Building 2427 UST Site | 52 |
| FTBL-065 Building 2990 UST Site | 52 |
| FTBL-066 Building 11603 UST Site..... | 53 |
| FTBL-067 Building 11283 UST Site..... | 53 |
| FTBL-068 Building 3699 UST Site | 54 |
| FTBL-069 Building 5 UST Site | 54 |
| FTBL-070 Trans Mountain Buried Drum Site..... | 55 |
| FTBL-071 Medical/Cavalry Dump | 56 |
| FTBL-072 Castner OB/OD Pit B-1..... | 57 |
| FTBL-074 North Hills Reservoir FUDS Site..... | 58 |
| FTBL-075 Bldg. 1177 PCB Dump Site..... | 59 |
| FTBL-076 Castner Recreation Area Dump Site..... | 60 |
| FTBL-077 South Oil Pits - Sanitary Landfill No. 2 | 60 |

Table of Contents

FTBL-078 Hueco Range Camp 61
FTBL-079 B2598 Truck Wash Area 62
FTBL-080 Old Mesa Well Field 63
FTBL-081 Organ Mountain Station 64
FTBL-082 Heating Oil UST – WBAMC Bldg. 7146 65

SCHEDULE

Past Milestones 1
Future Milestones 2
No Further Action Sites 2
Schedule Chart 5

REMEDIATION ACTIVITIES

Past Removal / Interim Remedial Action / Remedial Action Assessment 1
Current Removal / Interim Remedial Action / Remedial Action Assessment 1
Future Removal / Interim Remedial Action / Remedial Action Assessment 1

COMMUNITY INVOLVEMENT

Restoration Advisory Board Status 1

Statement of Purpose

The purpose of the Installation Action Plan (IAP) is to outline the total multi-year restoration program for an installation. The plan will define Installation Restoration Program (IRP) requirements and propose a comprehensive approach and associated costs to conduct future investigations and remedial actions at each Solid Waste Management Unit (SWMU) at the installation and other areas of concern.

In an effort to coordinate planning information between the IRP manager, Army Environmental Center (AEC), installations, executing agencies, regulatory agencies, and the public, an IAP has been completed for Fort Bliss. The IAP is used to track requirements, schedules and tentative budgets for all major Army installation restoration programs.

All site specific funding and schedule information has been prepared according to projected overall Army funding levels and is therefore subject to change during the document's annual review. Under current project funding, all IRP remedies will be in place at Fort Bliss by the end of 2005. This assumption of IRP remedies in place also depends on a completed agreement by New Mexico Environmental Department.

The following persons contributed to the formulation and completion of this Installation Action Plan:

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Texas Commission of Environmental Quality

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U.S. Army Environmental Center

Weston Solutions

FTBL# vs. SWMU

| <u>NAME</u> | <u>SWMU#</u> | <u>DESCRIPTION</u> |
|-------------|--------------|---------------------------------------|
| FTBL-001 | SWMU-1 | SANITARY LANDFILL 1 |
| FTBL-002 | SWMU-3 | CLOSED SANITARY LANDFILL 2 |
| FTBL-003 | SWMU-6 | CLOSED RUBBLE LANDFILL 3 |
| FTBL-004 | SWMU-7 &8 | CLOSED SANITARY LANDFILLS 4A & 4B |
| FTBL-005 | SWMU-9 | CLOSED SANITARY LANDFILL 5 |
| FTBL-006 | SWMU-10 | DISPOSAL AREA LANDFILL 6 |
| FTBL-007 | SWMU-11 | CLOSED SANITARY LANDFILL 7 |
| FTBL-008 | SWMU-12 | DISPOSAL AREA LANDFILL 8 |
| FTBL-009 | SWMU-13 | DISPOSAL AREA LANDFILL 9 |
| FTBL-010 | SWMU-14 | CLOSED LANDFILL 10 |
| FTBL-011 | SWMU-29 | CLOSED SANITARY 11 (DONAANA RNG) |
| FTBL-012 | SWMU-27 | RUBBLE PIT LANDFILL 12 (DONAANA RNG) |
| FTBL-013 | SWMU-18 | RUBBLE PIT LANDFILL 13 (McGREGOR RNG) |
| FTBL-014 | SWMU-25 | RUBBLE PIT LANDFILL 14 (OROGRANDE) |
| FTBL-015 | SWMU-20 | EOD OPEN DEMO ARA |
| FTBL-016 | SWMU-26 | DONAANA RANGE 41 |
| FTBL-017 | SWMU-33 | RAYTHEON CHROMIC ACID PIT |
| FTBL-018 | SWMU-32 | BIGGS INAC FIRE FIGHT TRAIN AREA |
| FTBL-019 | SWMU-50 | PEST STG & MIX BLDGS 60-36, 276 |
| FTBL-020 | SWMU-40 | PATHOLOGICAL INCINERATOR |
| FTBL-021 | SWMU-19 | McGREGOR OXIDATION LAGOON |
| FTBL-022 | SWMU-25B | ORO GRANDE OXIDATION LAGOON |
| FTBL-023 | SWMU-27B | DONAANA OXIDATION LAGOON |
| FTBL-024 | SWMU-39 | OXIDATION LAGOON (JTF6) |
| FTBL-025 | SWMU-30 | HAZARDOUS WASTE & PCB STG |
| FTBL-028 | SWMU-16 | RUBBLE DUMP SITE (NR SITE MONITOR) |
| FTBL-029 | SWMU-31 | BIGGS AAF FORMER FIRE TRAIN AREA |
| FTBL-030 | SWMU-64 | EXCESS (DISPOSE OF) CASTNER RANGE |
| FTBL-031 | SWMU-4 | OIL PITS AT INACTIVE SANITARY LF2 |
| FTBL-032 | SWMU-21 | McGREGOR FORMER FFTA |
| FTBL-033 | SWMU-45 | STORMWATER IMPOUNDMENT AREA |
| FTBL-034 | SWMU-63 | HERBICIDE STG BLDG 11160 |
| FTBL-035 | SWMU-2 | ACTIVE RUBBLE PIT #1 |
| FTBL-036 | SWMU-65 | UNICOR DRY CLEANING FAC B-2019 |
| FTBL-037 | SWMU-66 | McGREG BORROW PIT DRUM BURIAL SITE |
| FTBL-038 | SWMU-67 | BLDG 1378 UST SITE (TX) |
| FTBL-039 | SWMU-68 | BLDG 199 UST SITE (TX) |
| FTBL-040 | SWMU-69 | BLDG 1742 UST SITE (TX) |
| FTBL-041 | SWMU-70 | BLDG 11106 FORMER UST SITE (TX) |
| FTBL-042 | SWMU-71 | BLDG 9522 UST SITE (NM) |
| FTBL-043 | SWMU-5 | RUBBLE PIT NO.2 |
| FTBL-044 | SWMU-15 | RUBBLE DUMP – BIGGS AAF |
| FTBL-045 | SWMU-22 | WASTE DRUM STG AREA (McGREGOR) |
| FTBL-046 | SWMU-49 | DRAINAGE DITCH NEAR BLDG 1248 |
| FTBL-047 | SWMU-72 | ILLEGAL DUMP SITE (ORO GRANDE) |
| FTBL-049 | SWMU-73 | B-1116 SOIL REMED & DISPOSAL |
| FTBL-050 | SWMU-75 | B-11636 BOP PONDS INVEST. & REMED |
| FTBL-051 | SWMU-76 | MEYER OXIDATION LAGOON |

Note: There are no SWMU # assigned past FTBL-051

DERA SITES

| <u>NAME</u> | <u>SWMU</u> | <u>DESCRIPTION</u> |
|-------------|-------------|---|
| FTBL-052 | None | BLDG 2469 UST SITE |
| FTBL-053 | | BLDG 9496 UST SITE |
| FTBL-054 | | BLDG 2491 UST SITE |
| FTBL-055 | | BLDG 9485 UST SITE |
| FTBL-056 | | BLDG 675 UST SITE |
| FTBL-057 | | BLDG 4115 UST SITE |
| FTBL-058 | | BLDG 11041 UST SITE |
| FTBL-059 | | BLDG 11107 UST SITE |
| FTBL-060 | | BLDG 5898 UST SITE |
| FTBL-061 | | BLDG 8172 UST SITE |
| FTBL-062 | | BLDG 56 UST SITE |
| FTBL-063 | | BLDG 6957 UST SITE |
| FTBL-064 | | BLDG 2427 UST SITE |
| FTBL-065 | | BLDG 2990 UST SITE |
| FTBL-066 | | BLDG 11603 UST SITE |
| FTBL-067 | | BLDG 11283 UST SITE |
| FTBL-068 | | BLDG 3699 UST SITE |
| FTBL-069 | | BLDG 5 UST SITE |
| FTBL-070 | | TRANS-MTN BURIED DRUM SITE |
| FTBL-071 | | HAZARDOUS WASTE MEDICAL DUMP |
| FTBL-072 | | INVESTIGATE OBOD PIT B-1 |
| FTBL-073 | | INVESTIGATE OBOD PIT A-1 |
| FTBL-074 | | NORTH HILLS RESERVOIR FUDS SITE |
| FTBL-075 | | BLDG 1177 PCB DUMP SITE |
| FTBL-076 | | CASTNER RECREATION AREA DUMP SITE |
| FTBL-077 | | SOUTH OIL PITS – LANDFILL 2 |
| FTBL-078 | | HUECO RANGE CAMP COMPLEX |
| FTBL-079 | | BLDG 2598 TRUCK WASH AREA |
| FTBL-080 | | OLD MESA WELL FIELD |
| FTBL-081 | | ORGAN MOUNTAIN STATION |
| FTBL-082 | | WBAMC LPST, Bldg 7146 |
| FTBL-083 | | Biggs AAF Blimp Base UST |
| FTBL-084 | | Biggs USAF Base Former Fueling Facilities |

Acronyms & Abbreviations

| | |
|---------|--|
| AAF | Army Air Field |
| AAFES | Army Air Force Exchange Services |
| ADA | Air Defense Artillery |
| AEDB-R | Army Environmental Database - Restoration |
| APAR | Affected Property Assessment Report |
| ARAR | Applicable or Relevant and Appropriate Requirement |
| AST | Above Ground Storage Tank |
| ATSDR | Agency for Toxic Substances and Disease Registry |
| bgs | below ground surface |
| BOP | Bureau of Prisons |
| BRAC | Base Realignment and Closure |
| BTAG | Biological Technical Assistance Group |
| BTEX | Benzene, Toluene, Ethyle Benzene, Xylene |
| CERCLA | Comprehensive Environmental Response, Compensation and Liability Act |
| CERFA | Community Environmental Response Facilitation Act |
| CESWF | Center of Excellence SW Fort Worth District |
| CF | cubic feet |
| CFR | Code of Federal Regulations |
| COC | Chemical of Concern |
| CRP | Community Relations Plan |
| CTC | Cost-To-Complete |
| DA | Department of the Army |
| DD | Decision Document |
| DDD | type of pesticide |
| DDE | type of pesticide |
| DDT | type of pesticide |
| DERA | Defense Environmental Restoration Account (now ER,A) |
| DERP | Defense Environmental Restoration Program |
| DNT | dinitrotoluene |
| DOD | Department of Defense |
| DOE | Department of Energy |
| DSERTS | Defense Site Environmental Restoration Tracking System (now AEDB-R) |
| DSMOA | Defense and State Memoranda of Agreement |
| EA | Environmental Assessment |
| EBS | Environmental Baseline Survey |
| EE/CA | Engineering Evaluation and Cost Analysis |
| EIS | Environmental Impact Statement |
| EPR | Environmental Program Requirement |
| ER,A | Environmental Restoration, Army |
| ERA | Ecological Risk Assessment |
| fbg | feet below ground |
| FFA | Federal Facility Agreement |
| FORSCOM | U.S. Army Forces Command |
| FSP | Field Sampling Plan |
| FTBL | Fort Bliss abbreviation in AEDB-R |
| FUDS | Formerly Used Defense Sites |
| FY | Fiscal Year |
| GWQB | Groundwater Quality Bureau |
| HHS | Human Health Screening |
| HMB | Hazardous Material Bureau |

Acronyms & Abbreviations

| | |
|--------------|--|
| HMX | type of explosive |
| HQ | Headquarters |
| HRS | Hazard Ranking System |
| HSWA | Hazardous & Solid Waste Amendment |
| IAG | Interagency Agreement |
| IAP | Installation Action Plan |
| IRA | Interior Remedial Action |
| IREM | Interim Removal |
| IRP | Installation Restoration Program |
| JAG | Judge Advocate General |
| JP-4 or JP-8 | type of fuel |
| LBP | Lead-Based Paints |
| LNAPL | Light Non-Aquifer Phase Liquid |
| LPST | Leaking Petroleum Storage Tank |
| LTM | Long-Term Monitoring |
| MACOM | Major Army Command |
| mg/kg | milligram per kilogram |
| MMRP | Military Munition Response Program |
| MOA | Memorandum of Agreement |
| NCO | Non-Commissioned Officer |
| NCP | National Oil and Hazardous Substances Pollution Contingency Plan |
| NEPA | National Environmental Policy Act |
| NFA | No Further Action |
| NGB | National Guard Bureau |
| NM | New Mexico |
| NWED | New Mexico Environmental Department |
| NOI | Notice of Intent |
| NOV | Notice of Violation |
| NPL | National Priorities List |
| OMA | Operation and Maintenance Account |
| OB/OD | Open Burning/Open Detonation |
| OMA | Operation and Maintenance Account |
| OU | Operable Unit |
| PA/SI | Preliminary Assessment/Site Inspection |
| PAH | Poly Aromatic Hydrocarbon |
| PCB | Polychlorinated Biphenyl |
| POL | Petroleum, Oil, Lubricants |
| POM | Program Objective Memorandum |
| PP | Proposed Plan |
| ppm | parts per million |
| PR | Preliminary Report |
| PRP | Potentially Responsible Party |
| QA/QC | Quality Assurance/Quality Control |
| RA | Remedial Action |
| RA(O) | Remedial Action (Operation) |
| RAB | Restoration Advisory Board |
| RACR | Response Action Completion Report |
| RC | Response Complete |
| RCRA | Resource Conservation and Recovery Act |
| RD | Remedial Design |

Acronyms & Abbreviations

| | |
|-----------|---|
| RDR | Release Determination Report |
| RDX | type of explosive |
| REM | Removal |
| RFA | RCRA Facility Assessment |
| RFI | RCRA Facility Inspection |
| RI/FS | Remedial Investigation/Feasibility Study |
| ROD | Record of Decision |
| RRSE | Relative Risk Site Evaluation |
| RRS2 | Relative Risk Standard 2 |
| S&A | Supervision and Administration |
| SARA | Superfund Amendments and Reauthorization Act of 1986 |
| SOW | Statement (or Scope) of Work |
| SSL | Soil Screening Levels |
| SVOC | Semi-Volatile Organic Compound |
| SWDA | Solid Waste Disposal Act |
| SWMU | Solid Waste Management Unit |
| SWQA | Surface Water Quality Bureau |
| TAPP | Technical Assistance for Public Participation |
| TCEQ | Texas Commission on Environmental Quality |
| TDS | Total Dissolved Solids |
| THAAD | Theater Air Defense |
| TNRCC | Texas Natural Resource Conservation Commission |
| TPH | Total Petroleum Hydrocarbon |
| TRADOC | Training and Doctrine Command |
| TRC | Technical Review Committee |
| TRRP | Texas Risk Reduction Program |
| TSCA | Toxic Substances Control Act |
| TWC | Texas Water Commission |
| TX | Texas |
| USAADACEN | U.S. Army Air Defense Artillery Center |
| USACE | U.S. Army Corps of Engineers |
| USACHPPM | U.S. Army Center for Health Promotion and Preventive Medicine |
| USAEC | U.S. Army Environmental Center |
| UDAHA | U.S. Army Environmental Hygiene Agency |
| USATHAMA | U.S. Toxic & Hazardous Material Agency (replaced by USAEC) |
| USEPA | U.S. Environmental Protection Agency |
| UST | Underground Storage Tank |
| UXO | Unexploded Ordnance |
| VCAR | Voluntary Corrective Action Reports |
| VOC | Volatile Organic Compound |
| VSI | Visual Site Inspection |
| WBAMC | William Beaumont Army Medical Center |
| WSMR | White Sands Missile Range |

Summary

| | | |
|--------------------------------------|--|--|
| STATUS | Non-National Priority List (NPL Superfund sites) with Resources Conservation Recovery Act (RCRA) Part B (Texas TX) and Subpart X RCRA Permit (New Mexico). | |
| NUMBER OF AEDB-R SITES: | 81 sites 3 Active ER,A Eligible sites (receiving funds) 78 Response Complete 5 Munition Rule sites | |
| SITE TYPES: | 3 Fire/Crash Training Areas 3 Surface Disposal Areas 1 Drainage Ditch 1 Sewage Effluent Settling Pond 18 Landfills 1 Surface Runoff 7 Surface Impoundments/Lagoons 1 Underground Tank Farm 1 Explosive Ordnance Disposal Area 5 Unexploded Munitions/Ordnance | 1 Contaminated Building 2 Chemical Disposal 3 Disposal Pit/Dry Wells 1 Incinerator 1 POL Line 2 Storage Areas 6 Spill Site Areas 24 Underground Storage Tanks |
| CONTAMINANTS OF CONCERN: | Petroleum/Oil/Lubricants, Solvents, Heavy Metals, Pesticides and Ordnance Components | |
| MEDIA OF CONCERN: | Groundwater, Soil | |
| COMPLETED REM/IRA/RA: | IREM FY 89-98 RA FY90 IRA FY92 IRA FY93 IRA FY93, 94, 96 REM FY 00 REM FY 01 | FTBL-019, 020, 024, 029, 034, 050 FTBL-018 FTBL-045 FTBL-017 FTBL-030 FTBL-014, 016, 022, 047, 080 (admin closure) FTBL-028, 070, 072, 081 |
| CURRENT (FY05) IRP PHASES: | RA at 3 sites | |
| PROJECTED (FY06+) IRP PHASES: | RC at all sites | |
| POSSIBLE FY05 IRA/RA: | FTBL-012, 013, 073 | |
| DURATION: | IRP Inception All Remedies in Place IRP Completion | 1983 2005 2006 |

Installation Information

SITE DESCRIPTION:

Fort Bliss is located on approximately 1.2 million acres of land in far west Texas and southern New Mexico. Fort Bliss encompasses portions of two states and three counties (Doña Ana and Otero counties in New Mexico and El Paso County in Texas). The main cantonment area is situated adjacent to the city of El Paso, and just north of the city of Juarez, Chihuahua, Mexico. These sister cities have a combined population of over two million people.

GARRISON COMMAND ORGANIZATION:

Installation Management Activity - Southwest Regional Office
Army Chief of Staff for Installation Management Environmental - Army Environmental Center

IRP EXECUTING AGENCIES:

Investigation Phase: CESWF (Fort Worth District), CEHND (Huntsville District)

Remedial Design Phase: CESWF (Fort Worth District, CESWT (Tulsa District)

Monitoring Phase: CESWT (Tulsa District)

REGULATORY PARTICIPATION:

Federal: Environmental Protection Agency (EPA) Region VI

State: Texas Commission on Environmental Quality (TCEQ), and New Mexico Environment Department (NMED)

REGULATORY STATUS:

- Non-NPL, no known hazardous waste off-post contamination
- Resource Conservation and Recovery Act (RCRA) Part B Permit for Hazardous Waste Storage, Jan 91
- Defense - State Memorandums of Agreement (DSMOA) between the Army and the states of Texas and New Mexico (NMED GWQB only)
- TNRCC Agreed Order for Closure of Fire Fighting Training Area (FTBL-018/SWMU 32), Nov 87
- Notices of Violation for Leaking USTs, 1989-1993
- TNRCC Order Assessing Administrative Penalties (13 Dec 93) for failure to conduct quarterly sampling of monitoring wells (corrective action taken - Site closed)
- TNRCC Agreed Order for Closure of Bureau of Prisons (BOP) Ponds (FTBL-050/SWMU 75), Aug 93
- Final Subpart X RCRA Permit (HSWA) for New Mexico requiring 9 SWMUs to undergo RIs (July 95).
- Notice of Violation for unauthorized discharge at Trans-Mountain Buried Drum Site (FTBL-070), June 95.
- New Mexico has received primacy from EPA Region VI, for enforcement of all EPA federal environmental laws and regulations in New Mexico.
- NMED added FTBL-045, 032 to subpart X permit, December 1997.
- HSWA Permit with State of Texas, renewed 19 March 2002
- NMED Notice of Violation, 1 May 2003, "Failure to Submit a Corrective Measures Study" (NOV rejected by Fort Bliss and returned to NMED 19 May 2003)

Installation Description

DESCRIPTION

The U.S. Army Air Defense Artillery Center (USAADACEN), an active training organization, is under the U.S. Army Training and Doctrine Command (TRADOC) with a primary mission of air defense. It is the only troop training installation in the continental U.S. capable of supporting long-range missile firings. USAADACENFB also supports joint U.S. and Allied training, major U.S. Army Forces Command (FORSCOM) units and the U.S. Air Force at Biggs Army Air Field. Biggs has also hosted the NASA shuttle program. Also located at Fort Bliss are the U.S. Army Sergeants Major Academy, William Beaumont Army Medical Center, the German Air Force Training Command and Air Defense School, and several Department of Defense (DOD) liaison officers. Under the recent reorganization of the US Army, the Fort Bliss installation, under the Garrison Commander, now reports to a new major command (MACOM) located at Fort Sam Houston, Texas. This will not affect the day-to-day operations of the IRP work at Fort Bliss.

The USAADACEN mission is to be prepared for combat operations with trained and ready soldiers and units, which can be deployed rapidly to areas of crises. This includes not only all active forces assigned to Fort Bliss, but also reserve component forces that will activate and mobilize during an emergency. Key elements include:

- (1) Train soldiers and units;
- (2) Serve as a power projection platform;
- (3) Serve as the Air Defense Artillery (ADA) proponent;
- (4) Serve as a test bed and training installation for joint and combined warfare, employing state of the art technologies;
- (5) Become a model installation supporting a variety of missions;
- (6) Provide the best possible quality of life for the greater Fort Bliss Community;
- (7) Develop interservice, intergovernmental and civic partnerships.

The Garrison's mission is to support the Air Defense Artillery Center and School and the other tenant units on Fort Bliss.

In 1846, during the war with Mexico, Colonel Alexander W. Doniphan and the 1st Missouri Mounted Volunteers became the first U.S. Army troops to enter the El Paso Area. On November 7, 1848, the War Department directed the establishment of a post in El Paso. The post was occupied in September 1849 when six companies of the 3rd Infantry arrived in the area.

The initial mission of the military post was to protect railways, stage routes and settlers. On March 8, 1854, the Post was renamed "Fort Bliss" in honor of Lieutenant Colonel William Wallace Smith Bliss. In March 1890, the citizens of El Paso raised the money to purchase a permanent site for the post, which had occupied six sites in the area, on La Noria Mesa, east of the city. Troops began to occupy the current site in 1893.

Fort Bliss began its greatest growth period following the turn of the century when the Army responded to a raid across the border by Pancho Villa. Border patrol and defense became a major concern. William Beaumont Army Medical Center and Biggs Army Air Field were added after World War II.

The Cavalry ruled the post until World War II. In 1940, the Army's new anti-aircraft artillery arrived and re-established the mission of Fort Bliss as the largest overland, air defense missile range and training center throughout the free world. In 1966, the United States Air Force closed Biggs Air Force Base and turned the base over to Fort Bliss.

The Environmental Protection Agency (EPA), Region VI, Texas Commission on Environmental Quality (TCEQ) formerly TNRCC and New Mexico Environment Department (NMED) have purview over Fort Bliss in environmental compliance matters. The installation does not have any sites listed on the National Priorities List (NPL) but has three agreed orders with the state of Texas, issued on November 17, 1987, February 23, 1989, and August 31, 1993. Of the original 9 SWMUs listed in the Texas permit, all have been remediated and closed by

Installation Description

agreement with TNRCC. The renewed Texas State Resource Conservation and Recovery Act (RCRA) permit HW-50296, was issued March 2003 and required RCRA Facility Investigation (RI) for 2 IRP sites, FTBL-030, Former Castner Firing Range, SWMU # 64 and FTBL-083, no SWMU number, Biggs Field Blimp Base.

REGULATORY STATUS

The New Mexico RCRA permit, issued on 8 July 1995, mandated that 9 sites were to have work plans for Remedial Investigations (RIs) within 120 days. The RIs were completed and sent to NMED for review. No action has been taken by NMED on the results of these investigations. Two additional sites (FTBL-032 and 045) were added to the list in December 1997. The characterization at FTBL-032 and 045 was completed and the results were submitted, along with four other sites (FTBL-023, 037, 051, & 078) to NMED in a petition for a "No Further Action" (NFA) determination in September 2000. Since then, five other NM sites have been investigated and Voluntary Corrective Action Reports (VCAR) submitted demonstrating that they also can be closed with no further action. Although the New Mexico Environmental Department (NMED) admitted the 6 NFA sites were eligible for NFA determination in January 2002, the whole process became complicated by the states insistence that Fort Bliss file Notice of Intent to Discharge and get Discharge Permits for all three range camp (Dona Ana, Meyers and McGregor) oxidation ponds. When Fort Bliss pointed out that sewage waste was not a RCRA regulated matter and therefore under the RCRA permit that NMED was using as authority to demand the Notice of Intent to Discharge and Discharge permit, that authority did not exist in their regulations. A legal battle then ensued between Fort Bliss and NMED, which will ultimately lead to first State and then Federal court. Despite the obvious conclusion that the six site NFA petition is valid as well as with the solid science behind the conclusions on no environmental release from the additional five other IRP sites submitted in Voluntary Corrective Action Reports, every thing is being held up without action by NMED until resolution of the battle over whether Fort Bliss will submit permits for the range camp oxidation ponds.

Installation Location



Contamination Assessment

Fort Bliss was added to the IRP list by USATHAMA in 1983 in response to an installation assessment conducted February 7-11, 1983. POL is the primary contaminant of concern at Fort Bliss. No off-post hazardous waste contamination is known to have occurred to date. TNRCC and NMED are active in projects at Fort Bliss. A cooperative working relationship has been established between the regulators and the IRP program manager. The RAB serves as an ongoing forum for community involvement in the activities of the Restoration Program.

Early in the program, twenty-eight SWMUs were identified during a RCRA Facility Assessment (RFA) conducted in 1987 by the U.S. Army Environmental Hygiene Agency (USAEHA). By the time USAEHA filed their final report in September 1989, the list of SWMUs had grown to sixty-five. Also in 1989, A.T. Kearney, Inc evaluated sixty-two SWMUs during the RCRA Facility Assessment (RFA) Preliminary Report/Visual Site Inspection (PR/VS). The Kearney report is the official report recognized by the EPA for SWMU identification purposes. Additional sites have been identified since the Kearney report for a total of 76 SWMU sites. The original sites identified as SWMUs and the subsequent sites are inventoried and progress tracked using the Defense Environmental Restoration Tracking System (DSERTS). Sites are identified in the DSERTS system with a number beginning with a FTBL (for Ft. Bliss) prefix. In total, the number of DSERTS sites presently is 79, with the highest DSERTS number being FTBL-82. DSERTS numbers 26, 27 and 48 were previously entered erroneously and do not exist. After primacy for environmental law enforcement was given to the States of New Mexico (1995) and Texas (1991), Solid Waste Management Unit (SWMU) designations were no longer assigned. Follow-on investigations not only eliminated three FTBL numbers, but in similar fashion, many sites identified as a SWMU during the early evaluations of Fort Bliss also were determined to be either duplicates or non-existent. Therefore, SWMU numbers 17, 23, 24, 28, 34, 35, 36, 37, 38, 41, 42, 43, 44, 46, 47, 48, 51 to 63, and 73 are not used. (NOTE: DSERTS was renamed Army Environmental Database - Restoration [AEDB-R] in 2002.)

Eleven sites in New Mexico were either added or reopened due to a site visit by the EPA and NMED in 1994, to address the Hazardous and Solid Waste Amendments (HSWA) portion to the Subpart X permit that was submitted to continue operation of the OD pit. A requirement for Remedial Investigations at eleven sites was attached to the permit issued in July 1995. By January 1999 that number had grown to fifteen as new sites were found, reported and added to the original eleven. Nine RIs were completed and submitted to the NMED in early 1998, but Bliss has not yet received (and probably won't receive) comments on these reports. One site (FTBL-022, SWMU 25B Oro Grande Oxidation Pond) has been administratively removed from the permit and transferred to White Sands Missile Range.

One site, FTBL-037, Illegal Dump Site Oro Grande Range Camp was closed in 2000. In Sept 2000, six additional IRP sites in New Mexico were petitioned for a No Further Action determination. Five other NM sites were investigated and Voluntary Corrective Action Reports (VCAR) submitted to the State, demonstrating that these sites also were eligible for closure as hazardous waste sites. However, as discussed in the Installation Description section, nothing is being processed or reviewed by NMED until the resolution of the dispute over groundwater.

Current

Texas: All ER,A sites in Texas have been closed except the following:

- FTBL-073 OB/OD Area A01- submitted for closure in Dec 2003 to TCEQ
- FTBL-083 Biggs AAF Blimp Base Fueling Facility- submitted for closure in May 2003 to TCEQ
- FTBLS-004-R-01 (FTBL-030) Closed Castner Firing Range (a MMRP site).

FTBL-073 has had an Affected Property Assessment Report (APAR) submitted to TCEQ. They have asked for additional information, which has been supplied. FTBL-084 has been inspected and no releases have been found. All required Release Determination Reports (RDR) have been submitted on this site but not reviewed to date. Fort Bliss considers this site closed in the IRP.

New Mexico: Fort Bliss considers all IRP sites in New Mexico closed except for the two range camp landfills and

Contamination Assessment

the oxidation pond at the McGregor Range Camp. FTBL-011, the oldest landfill at Dona Ana Range Camp, was fenced and signage installed closing that landfill.

Future

Texas. The UXO removal contract is completed at the closed Castner Firing Range and produced 1,212 acres cleared (167 subsurface and 1,045 surface cleared). During the eight months, 118 live UXO devices and 241 rounds of small arms were found and destroyed. However, the AEC has indicated that no additional funding will be available for Castner Range for several years. However, two new MMRP sites were assigned to Fort Bliss for investigation and funding could be available in FYs 2005 and 2006.

FTBL-073 closure is being held up pending resolution of perchlorate testing questions between the Post and TCEQ. It is expected that these can be resolved and the site closed before the end of FY 2004.

New Mexico Fort Bliss considers that only three sites remain open in New Mexico; FTBL-012 and FTBL-013 the range camp landfills at Dona Ana and McGregor and the oxidation pond, FTBL-021 at McGregor range camp. Funds were released to Fort Bliss in April 2004 to begin the cap restoration and upgrade at both of the landfills and depending on the weather during the summer, the cap work could be complete by the end of FY 2004.

The McGregor pond is undergoing an ecological risk assessment and initial results seem to indicate that with an additional round of testing the summer of 2004, there would be sufficient data to support a closure action on this site as well by the end of FY 2005. However, it must be understood that while the Post would consider the DERP sites in New Mexico closed requiring no further action (NFA) the environmental department of New Mexico, NMED does not. At some point in the future, the legal struggle over regulation of the waste from the oxidation ponds will have to be resolved, probably in federal court and then the agency will very likely take an extremely harsh look at our investigation/closure reports. This will require further funding for this effort.

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Fort Bliss Restoration Program Active Sites

FTBL-012 RUBBLE PIT LANDFILL 12 (SWMU 27, DONA ANA)

SITE DESCRIPTION

FTBL No. 012 is a trench-type landfill located approximately 3500 feet southwest of the Dona Ana Range Camp. The site is reported to have been used for the disposal of refuse, rubble, and other material from the camp. There is a small possibility that arms munitions may have also been disposed into the landfill. The landfill was used since the early 1950s and is contained within a 5 to 7-acre area. The most recent trench measuring 250 x 40 x 25 feet was covered with natural soil and graded to match the existing contour in March 1994. Current use of the site is general training space for the post.

A preliminary investigation performed in 1984 recommended that a RI be conducted. EPA/NMED listed the site in the HSWA portion of the RCRA Subpart X permit for the OD site and also required that an RI be performed. The RI was performed in 1996 and the results submitted to NMED in July, 1997. The RI included trenching at several locations, and a limited pattern of borings which determined the general location, size, and depth of the trenches. The Phase I RI report, while never formally reviewed by NMED, was determined inadequate and additional RI work was required.

In June 2001, a Phase II RI was conducted. The work consisted of additional soil borings around the landfill and soil samples to validate and complete previous work at this site. The results of the work determined the landfill contains no hazardous waste, no methane gas, and there is no leachate developing at the site. Groundwater contamination is not a concern (regional aquifer is 370 feet bgs), and the site can be closed as a small sanitary landfill.

In 2002, a Voluntary Corrective Action Report (VCAR) submitted to NMED indicated no hazardous constituents were released to the environment.

In 2003, a closure plan to build an improved landfill cap was completed.

PROPOSED PLAN

The site can be closed under NMED NFA criterion.

An evapotranspiration sanitary landfill cover will be used on the site. This cover will be applied in accordance with NMED requirements. It will include storm water runoff capability and the growth of natural vegetation. It includes gravel and natural local material. A drainage swale will be constructed to direct storm water around the site and into the desert to the east. Fencing and warning signs will be the long-term controls required.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

POL, RDX, Metals

MEDIA OF CONCERN:

Soil

COMPLETED IRP PHASE:

PA/SI, RI/FS, RD

CURRENT IRP PHASE:

RA

FUTURE IRP PHASE:

RC

FTBL-013 RUBBLE PIT LANDFILL 13 (MCGREGOR RANGE) (SWMU 18)

SITE DESCRIPTION

FTBL No. 013 is a trench-type landfill located approximately 1500 feet southeast of McGregor Range Camp. The site is reported to have been used for the disposal of sanitary waste and rubble from the camp since the WWII era. The most recent 300x50x10-foot trench was closed in 1983. The site contains numerous trenches and is approximately 15 acres. The site is lightly vegetated and is used for a buffer zone between the camp and the range training areas. The only surface water in the area is the range camp's oxidation wastewater lagoon which is several miles away. There are no signs of surface water runoff at the site. Because of the high TDS in the regional aquifer, drinking water is piped from El Paso.

A preliminary investigation performed in the 1980s could not find sufficient evidence that the landfill contained only sanitary waste. In 1983, the waste in the most recent trench was covered with natural soil, graded to match the existing contour, and staked (to locate the site at a future date) to prevent further disposal into the open trench. In 1995, EPA/NMED listed the site in the HSWA portion of the Fort Bliss, New Mexico Subpart X permit for the OD site and required that an RI be performed. The RI was performed that included trenching at several locations and conducted a limited pattern of borings which determined the general location, size, and depth of the trenches. The RI determined no RCRA release had occurred and the RI report was submitted to NMED in 1998. The Phase I RI report, while never formally reviewed by NMED, was determined inadequate and additional RI work was required.

In June 2001, a Phase II RI was conducted. The work consisted of additional soil borings around the landfill and soil samples to validate and complete previous work at this site. The results of the work determined the landfill contains no hazardous waste, no methane gas, and there is no leachate developing at the site. Groundwater contamination is not a concern (regional aquifer is 378 feet bgs), and the site can be closed as a small sanitary landfill.

In 2002, a Voluntary Corrective Action Report (VCAR) submitted to NMED indicated no hazardous constituents were released to the environment.

A closure plan to build an improved landfill cap was completed in fiscal year 2003.

PROPOSED PLAN

The site can be closed under NMED NFA criterion.

An evapotranspiration sanitary landfill cover will be used on the site. This cover will be applied in accordance with NMED requirements. It will include storm water runoff capability and the growth of natural vegetation. It includes gravel and natural local material. Fencing and warning signs will be the long-term controls required.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

POL, Metals

MEDIA OF CONCERN:

Soil

COMPLETED IRP PHASE:

PA/SI, RI

CURRENT IRP PHASE:

RD (funded), RA

FUTURE IRP PHASE:

RC

FTBL-021 (PAGE 1 OF 2) MCGREGOR OXIDATION LAGOON (SWMU 19)

SITE DESCRIPTION

FTBL No. 021 is an active evaporation pond located southwest of McGregor Range Camp. It is used for the collection and evaporation of sanitary and industrial wastewater from the camp. This single celled unit, reportedly constructed in 1972 and lined with 10-mil polyethylene, has a capacity of 16.3 million gallons and covers 12.1 acres. Wastewater containing gasoline, degreasing solvents, and heavy metals may have also been disposed of in this unit since motor pool activities were formerly connected (without oil-water separators) into the sanitary sewer system discharging into the pond. The pond has overflowed in the past due to an increase in training activities and lack of maintenance to maintain the ponds design capacity. However in 1996, the 3rd Cavalry was reassigned from Ft. Bliss resulting in a decrease in wastewater flow at this site of 80 percent or more. The pond is being actively managed and it is not anticipated that the pond will overflow in the future.

The pond has become a wetland site and represents the largest surface body of water in southern New Mexico between the Franklin and Hueco Mountains south of Alamogordo. The site is monitored by biologists and ecologists from the Directorate of Environment. To date there has been no evidence of stressed vegetation around the site or harm to the wildlife that use the pond. Site geography is such that run-on or runoff is not a problem. The pond is fenced with barbed wire and marked with signage.

EPA/NMED listed the site in the HSWA portion of the Subpart X permit for the OD site. The HSWA permit required that a RFI be conducted to determine if there has been a release of hazardous waste. The RFI was performed and samples were collected of the effluent, wastewater, soil in and around the bar screen, Imhoff tank and sides of the pond (including the area where the overflow had occurred), and the sediment on the bottom of the pond (at several depths). The RFI fieldwork was completed in 1998 and showed that there were no contaminants above the EPA Region 6 Human Health Screening Levels in any of the samples, except for some RCRA heavy metals buried in the pond sediment. The report was submitted to NMED in 1998, but NMED has yet to review the document. An Ecological Risk Screening was attempted using the data developed for the Human Health Screening, but was inconclusive due to data gaps. Specifically, the HHS data did not record the depths at which the sediment samples were taken, which are necessary for the ecological screening.

The RFI also determined that the pond has created an artificial perched aquifer approximately 60 feet below the pond. The size and shape mirror the pond above. However, groundwater contamination is not a consideration due to the regional aquifer being 480 feet bgs and the water in the regional aquifer has a TDS of 8900 PPM and is not considered a source of drinking water for the camp. Also, geologic studies at the Meyer Range Camp pond 5 miles south of the McGregor pond have shown many intervening levels of clays with hydraulic conductivity that make the travel time to the aquifer in thousands of years.

An ecological risk assessment was started in FY03 (funded in FY02). The ecological risk assessment consisted of additional sampling to further evaluate contaminant levels horizontally and in depth, in the sediments. Particular attention was paid to mapping constituent distribution across the pond and through sediment depth.

STATUS

RRSE RATING:

High

CONTAMINANTS OF CONCERN:

POL, Metals, VOCs

MEDIA OF CONCERN:

Soil

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RI/FS (funded)

FUTURE IRP PHASE:

RC



FTBL-021 (PAGE 2 OF 2)

MCGREGOR OXIDATION LAGOON (SWMU 19)

PROPOSED PLAN

The ecological risk assessment was started in FY03. Additional samples will likely be taken to determine if this site poses an ecological risk for tissue uptake of contamination.

If the evaluation of the testing results in unacceptable risk, remedial action at the site may be required. This may include a new liner and/or partial removal of some sediment in the high concentration areas. LTM may be required, depending on the level of contaminants left in place.

FTBL-030 (PAGE 1 OF 2)

EXCESS (DISPOSE OF) CASTNER RANGE (SWMU 64)

FTBLS-004-R-01

CLOSED CASTNER FIRING RANGE

SITE DESCRIPTION

FTBL No. 030, located northwest of Logan Heights at the foothills of the Franklin Mountains, is a 7,080-acre closed firing range used for live-fire operations from 1928-1966. During its operation, a variety of ordnance was fired into the range, including Stokes mortar shells, 8-inch coastal artillery shells, and various calibers of field and air defense artillery (ADA). No documentation of Castner Range impact areas exists prior to 1953, however, unexploded ordnance (UXO) found at various locations include: .22 caliber, .30 caliber, and .45 caliber; 3.5-inch rockets; rifle and hand grenades; 4.2-inch mortars; 81 mm mortars; 3-inch, 105, 90, 75, 40, and 37 mm projectiles. Contamination is apparently limited to UXO, white phosphorous, and possibly smoke rounds.

Castner Range is bounded on the west by the Franklin Mountains State Park, the largest urban park in Texas, and by residential and commercial development on the remaining sides. The Range consists of rugged mountains and canyons to the west and rounded foothills and gently sloping desert floor to the east. It is heavily vegetated and the vast majority on the land remains untouched, as even during the active use of the range, most all activity was confined to the firing points and roads. The range supports a large and varied population of native southwest wildlife living undisturbed, protected by restrictions the Army has placed on the property.

Castner Range is bisected by a four-lane highway, Trans Mountain Road, which is an important route for traffic flowing between east and west El Paso. There is a short section of fence (+/- 3 miles) on the north and limited portion of the west side of the property. However, there are no fences along the rest of the perimeter of the Range. Fort Bliss has an ongoing program to alert the public against trespassing on military lands and of the dangers of ordnance present on the Range. The post has erected sixty-seven large warning signs, in English and Spanish, plus one hundred and two smaller signs, which have a large visual display in addition to bilingual warnings. One hundred and ten large boulders have been emplaced to block the entrances to old roads into the range from the public right-of-ways that now surround the range on several sides. However, Castner is a popular hiking area with the public and containment of trespassing requires continued efforts on the part of the post Range Riders and MPs.

Use of the range stopped and the property was declared excess in 1972 and is subject to clearance of UXO by the Army prior to property transfer in accordance with the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). In the 1950-60 era, four deaths were attributed to UXO found off the range. The fire department reported that during 1994 wild fires on the range, they observed numerous explosions, indicating that UXO were detonating spontaneously. Naturally this hindered their efforts to extinguish the blaze. Special congressional appropriations of \$1.15 M in FY 94, \$1M in FY95, \$1M FY97 (non-DEIRA) were awarded for a preliminary assessment screening (PAS), archives search, and surface removal/interim remedial action (IRA) for limited sections of the range. A characterization report detailing cleanup alternatives and estimated costs was completed in May 1998. Interim measures (such as a boundary fence) to restrict access are estimated at \$200K capital cost and up to \$15K per year to maintain.

The estimate for a complete surface-only cleanup of UXO is \$22M. In the 1999 fall AEDB-R data call, FTBL-030 was classified as response complete. This step was taken because under pre-September 2001 DOD regulations, unexploded ordnance (UXO) was considered a safety hazard, not an environmental hazard. In the spring of 2001, the Huntsville COE informed the Fort Bliss IRP manager that ~\$40,000 of prior year investiga-

STATUS

CONTAMINANTS OF CONCERN:

UXO, RDX, HMX, Metals

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI/FS, IRA (non-IRP)

COMPLETED MMRP PHASE:

PA

FUTURE MMRP PHASE:

RI/FS

FTBL-030 (PAGE 2 OF 2)
EXCESS (DISPOSE OF) CASTNER RANGE (SWMU 64)
FTBLS-004-R-01
CLOSED CASTNER FIRING RANGE

SITE DESCRIPTION

tion money was still available and had to be used prior to Sept 2001. The Post used this money to bring in five commercial UXO removal contractors who gave hard dollar proposals to clean up to 1,000 acres of Castner Range. This was done so that if funding became available, Fort Bliss IRP would be ready with valid proposals to take advantage of the funding.

On September 28, 2001, the Department of Defense published a new Management Guidance for the Defense Environmental Restoration Program, which made major revisions to the DERP program. One of those is the establishment of detailed requirements (titled the Military Munitions Response Program) for response actions to address military munitions (i.e., unexploded ordnance and waste military munitions) and the chemical residues of munitions at locations that are not operational ranges. Castner Firing Range will be an “open” project under the new Military Munitions Response Program (MMRP). While implementing guidance was still being fully developed by the Department of the Army, some initial funds were put into this program in the summer of 2002. Because of proactive actions taken a year earlier, Ft Bliss was awarded the only money for UXO removal provided under the new MMRP in FY02.

UXO removal ended in March 2004. 1,212 acres (167 subsurface and 1045 surface) have been cleared. 358 live ordnance items were found and removed or destroyed in place. 2.9 tons of UXO scrap and 15 tons of trash were also removed.

PROPOSED PLAN

Additional clearance of UXO as funding becomes available under the MMRP (FTBLS-004-R-01).

CASTNER OB/OD AREA A-1 (FORMERLY PIT A-1)

SITE DESCRIPTION

FTBL-073 was a suspected second OB/OD area located near the northwest corner of the former Castner Range. The exact dates of use are not known, but probably coincided with the use of the range. The site was investigated in 1997 by the Fort Worth ACE and reinvestigated by Malcolm Pirnie in 1999. Contaminants detected were lead and 2, 4-dinitrotoluene (DNT). The site includes several earthen depressions, a bulldozed cut, and fragmentary surface debris. The general location of the areas is in a small valley with a dry streambed running through the bottom. The material from past range activities is spread over an approximately 4-acre study area along the valley floor. The site is more remote and therefore more isolated from the public than Pit B-1, FTBL-072.

The RI/FS field work was completed to delineate the nature and extent of the contamination in Area A-1 in the fall of 2002 and the only COCs above the Tier 2 TERP screening levels were constituents of DDT. The APAR was sent to TCEQ in Jan 2003. In June 2003, TCEQ replied with six questions seeking additional information about the possible presence on ammonium perchlorate in chunks of solid rocket fuel present on the site.

The Fort Bliss response will be that:

1. Perchlorate was not a tested COC during the investigation (no completed exposure pathway).
2. Downstream testing demonstrated that other equally soluble contaminants found at the site were not migrating downstream.
3. There was no groundwater at the site or anywhere in the vicinity.
4. There are no established Federal/State guidelines requiring perchlorate testing.
5. Further remedial action, if any, would be initiated when all of Closed Castner Range was cleared of UXO.
6. OB/OD Area A-1 was a very remote site and would continue to stay within the original boundaries of the Closed Castner Range for the foreseeable future.

In Jan 2004, an additional soil boring was taken to 43ft bgs and no groundwater was discovered.

STATUS

RRSE RATING: Low

CONTAMINANTS OF CONCERN:

DNT, Lead, UXO, Pesticides

MEDIA OF CONCERN:

Soil

COMPLETED IRP PHASE:

PA/SI, RI

CURRENT IRP PHASE:

RA

FUTURE IRP PHASE:

RC

PROPOSED PLAN

This site is being considered for closure with institutional controls and will be included in the Caster Range closure and some future date.

BIGGS AAF BLIMP BASE FUELING FACILITY

SITE DESCRIPTION

FTBL-083 a blimp hanger and tent area was constructed around 1917. Previous to that it was used for a variety of other military uses. Blimp use was discontinued in 1922 and the site demolished in the early 1950s by the US Air Force who had assumed control of the airfield after WWII. When the Air Force left in 1966, the exact site of the blimp base was lost and in 1998 a new air deployment facility for Fort Bliss was built over the old blimp base. When two 10,000+ gallon USTs filled with fuel were uncovered during the new construction, historical research was commissioned and the existence of the former blimp base was uncovered. Also uncovered was blimp base drawing indicating the possible existence of up to 15 additional USTs.

Not wishing to halt the construction of the air deployment, a geo-technical subsurface survey was undertaken to determine the exact location of the UST shown on the few existing maps of the site.

There was, however, three very strong anomalies that warranted further investigation. One outside the construction area was dug up and a 500-gallon UST w/fuel was removed. In July 2003, three 500-gallon tanks (two w/fuel) were uncovered and removed and two 27,000+-gallon USTs were abandoned in place. The final two anomalies under a concrete parking apron were investigated and no USTs were found. No evidence of release has been detected. A request for closure was submitted to TCEQ in Jan 2004.

STATUS

RRSE RATING: Medium

CONTAMINANTS OF CONCERN:

POL, PAH

MEDIA OF CONCERN:

Soil

COMPLETED IRP PHASE:

PA/SI, RI/FS

CURRENT IRP PHASE:

RA (Funded)

FUTURE IRP PHASE:

RC

PROPOSED PLAN

A request for closure was submitted to TCEQ in Jan 2004. No further action is expected.



FTBL-084 USAF FUEL LINE BULK FUEL FARM (USAF REMOTE FUELING SYSTEM BIGGS AAF)

SITE DESCRIPTION

FTBL-084 is a very extensive remote fueling system installed by the USAF when they controlled Biggs Field (1951-1966). It consisted of 4, 6 and 8 inch wrapped steel transfer piping from the Bulk Fuel Farm to three remote sites: Bulk Farm to (FTBL-041, Bldg 11106), intermediate fueling site on the active area and the Eastern Fueling area, all located on the present day Biggs Army Air Field. The bulk fuel tank farm located on the southern end of Biggs Army Air Field and when the FY02 IAP was written, the extent of this site was estimated to be confined within the fuel farm. However, historic investigations in late FY02 showed that while it started there, it also extended through out the entire runway area to feed three separate fueling sites.

The presence of a airfield-wide fuel system came to light in 1997, while repairing a minor leak at Bulk Fuel Farm. Crews discovered an abandoned 6-inch steel fuel line filled with an unknown type of fuel.

Test of the liquid revealed it was aviation gasoline, which had not been used since the early 1960s. The line had not been shown on current utility maps in the area. Contaminated soils in the bottom of the excavation area, while just below action levels, gave indications through appearance and smell of past fuel leaks. In 2001, repairs again had to be made in one of the active underground fuel lines under the farm. Again below the depth of the modern line, there was strong visual and olfactory evidence of contaminated soil from a much older leak. This time testing showed that the soils in the bottom of the excavation were above actions levels, giving strong indication that there may be other, Air Force era, transfer lines filled with fuel that are leaking under this site. Ft Bliss then commissioned a historical research study, which showed the presence of an extensive piping system to three remote fueling areas.

In FY03, a Preliminary Assessment of the remote fueling systems was conducted. The result was discovered on over 5 miles of 4", 6" and 8" steel fuel lines, 34 UST locations uncovered and over 30,000 gallons of fuel and water mixture removed from these lines. Four USTs were found properly abandoned and the others as properly removed. To document possible fuel releases, 50 separate soil boring/excavations were conducted. Except for the known fuel spill site, FTBL-041, Bldg 11106, there is no evidence of a release of fuel from anywhere in this very extensive system. Reports were sent to TCEQ in May 2003 to close this site, however to date no decision has been made.

The leaks in the Bulk Fuel Facility are being addressed under Defense Logistics Agency.

STATUS

RRSE RATING:

Medium

CONTAMINANTS OF CONCERN:

None

MEDIA OF CONCERN:

None

COMPLETED IRP PHASE:

PA/SI, RI

CURRENT IRP PHASE:

RC - 2003

FTBLS-001-R-01 DONA ANA RANGE - MCNEW SURPLUS

SITE DESCRIPTION

The McNew Surplus is ~52,411 acres in size. In Dec 1911, Ft Bliss acquired ~40,250 acres in Dona Ana County, New Mexico for military purposes. Several additional land acquisitions over the next 10 years brought the total acreage of land owned by Ft Bliss in New Mexico up to 14,010 acres. In 1921, this land was established as the Ft Bliss Target Range or the Dona Anna Target Range, originally to be used for small arms and artillery firing ranges. In 1940, an adjacent tract of nearly 422,000 acres was leased. This newly leased land along with the Dona Ana Target Range was named the Ft Bliss Antiaircraft Artillery (AAA) Range.

The Ft Bliss AAA Range continued to change shape and purpose for several years. In Nov 1945, 19,122.67 acres were declared surplus. This parcel eventually increased to nearly 50,000 acres and was referred to as the McNew Surplus Area. A 90mm gun position and two impact areas were located within the surplus property. In 1946, explosive ordnance disposal (EOD) teams conducted a 4-week long cleanup of this area. Ordnance and explosives (OE) found during the cleanup included 90mm shells fused with mechanical time fuses, one 120mm shell, three parachute flare bombs, and four white phosphorus igniters. The ground cover in much of the area was dense brush and growth, preventing an absolute guarantee of clearance from being given; however, this portion of land was deemed free and clear of UXO and safe for future use. The remaining land of Dona Ana Range is classified as A/I.

STATUS

CONTAMINANTS OF CONCERN:

UXO

MEDIA OF CONCERN:

Soil

COMPLETED MMRP PHASE:

PA

CURRENT MMRP PHASE:

None

FUTURE MMRP PHASE:

RI/FS

FTBLS-002-R-01 MANEUVER AREAS NO 1 & NO 2

SITE DESCRIPTION

Ft Bliss began requesting land for maneuver training in the late 1930s. In 1939, 54,953 acres, known as Expansion of Facility Area, was acquired for field exercises. In 1942, Ft Bliss leased an 118,667-acre plot adjacent to the Expansion of Facility Area for tactical training known as the Maneuver Area. Troops from Ft Bliss and Biggs Field utilized these Maneuver Areas during WWII. Between 1946 and 1947 the entire Maneuver Area was declared surplus, only to be re-acquired and expanded a few years later.

In 1949 the 54,953-acre plot fee-owned known as Expansion of Facility Area was renamed Maneuver Area No 1 and the newly leased 125,151-acre parcel was named Maneuver Area No 2. By the 1970s, the Maneuver Areas greatly decreased in size. The municipal airport and expansions to Biggs Field reduced Maneuver Area No 1 by roughly 10,000 acres. Leased land adjacent to Carlsbad Highway within Maneuver Area No 2 was not renewed, and the remaining 65,920 acres were purchased outright. Several clearance operations on the Maneuver Areas have been conducted. While the entire area has not been cleared, 1,280 acres were searched and cleared of duds in 1946, and several "hot spots" were cleared in 1992-3. Although the areas were never intended for use of live ordnance, several pieces of UXO and OE have been discovered on the Maneuver Areas. These incidences are few in number and given the development that has occurred without UXO incidences the land should be viewed as low hazard. The remaining land of Maneuver Area No 1 & 2 are classified as A/I.

STATUS

CONTAMINANTS OF CONCERN:

UXO

MEDIA OF CONCERN:

Soil

COMPLETED MMRP PHASE:

PA

CURRENT MMRP PHASE:

None

FUTURE MMRP PHASE:

RI/FS

FTBLS-003-R-01 WINFREE'S NOSE

SITE DESCRIPTION

Winfree's Nose is a small parcel of land roughly 1,900 acres in size located on the south and west of Maneuver Area No 1, south of where the airport now lies. Limited documentation is available on this site. This portion of land was declared surplus in Jan 1947. This area is included in the range inventory with Maneuver Area No 1 & 2 since much of the supporting documentation address these land together.

STATUS

CONTAMINANTS OF CONCERN:

UXO

MEDIA OF CONCERN:

Soil

COMPLETED MMRP PHASE:

PA

CURRENT MMRP PHASE:

None

FUTURE MMRP PHASE:

RI/FS

SITE DESCRIPTION

This is a closed range, still owned by the U.S. Army, comprising 17 acres in the northern portion of the southern half of the installation property, and is part of an area that is currently used for vehicle and equipment maintenance. This area was part of a much larger area used by Ft Bliss, TX for training and testing at various times throughout the 20th century. From 1911-1940, it was part of the Ft Bliss ‘Dona Ana Target Range’ where small arms and artillery were fired. From 1964 to 1975, it was again used as part of ranges where small arms and rockets were used in training. The area was reported to be cleared of munitions in May 1946. However, surveys conducted during and after the area’s subsequent use as a range noted that there is a “high possibility of surface and subsurface dud contamination” in the area covering Dona Ana Range Camp. No response actions are known to have taken place in the area of this range since 1946.

STATUS

CONTAMINANTS OF CONCERN:

UXO

MEDIA OF CONCERN:

Soil

COMPLETED MMRP PHASE:

PA

CURRENT MMRP PHASE:

None

FUTURE MMRP PHASE:

RI/FS

**Fort Bliss
Restoration Program
Response Complete Sites**

FTBL-001 SANITARY LANDFILL 1 (SWMU 1)

SITE DESCRIPTION

FTBL No. 001 is located north of Biggs Army Air Field within the main cantonment area of the military reservation. This trench-and-fill unit is the post's main landfill and has been in operation since 1974 and encompasses approximately 106 acres. Wastes disposed of in the landfill include pathological incinerator ash, other medical "red bag" wastes, refuse, and asbestos. Two pits within this area were used for disposal of waste oils from 1974 to 1978 (FTBL-031 and FTBL-077). A fourth DERA site, FTBL-035, SWMU #2, active Rubble Pit No. 2, is contained within the 106 acres of FTBL-001. FTBL-001 was closed as a DERA site by agreement with TNRCC in March 1992.

STATUS

RRSE RATING:

NE

CONTAMINANTS OF CONCERN:

Asbestos

MEDIA OF CONCERN:

Groundwater, Soil

COMPLETED IRP PHASE:

PA/SI, RI

CURRENT IRP PHASE:

RC - 1992

FTBL-002 CLOSED SANITARY LANDFILL 2 (SWMU 3)

SITE DESCRIPTION

FTBL No. 002 is located about 0.5-mile southwest of the active sanitary landfill (FTBL No. 001). This 100-acre trench-type landfill was used from 1954 to 1974. Wastes disposed of in this area include petroleum, oil, and lubricants (POL), refuse, some sanitary wastes, and wastes containing heavy metals. This area was closed, overlaid with two feet of soil cover, and is now vegetated. Several areas are covered with concrete construction debris. The site was closed by agreement with TNRCC in June 1992.

STATUS

RRSE RATING:

NE

CONTAMINANTS OF CONCERN:

POL, Metals

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI

CURRENT IRP PHASE:

RC - 1992

FTBL-003 CLOSED RUBBLE LANDFILL 3 (SWMU 6)

SITE DESCRIPTION

FTBL No. 003 is located next to a gravel pit about 0.8 miles southwest of closed landfill No. 2 (FTBL No. 002). Refuse including asphalt, concrete, tires, metal parts, carpet, and scrap metals were disposed of in this 100-acre trench-type unit from 1978 to 1982. The site was closed by agreement with TNRCC in January 1990. This area (as are all the closed landfill sites along Landfill Road) is periodically subject to illegal dumping. The Fort Bliss Directorate of Environment responds to these incidents and removes the debris to the authorized landfill (FTBL-001, SWMU 1).

STATUS

RRSE RATING:

NE

CONTAMINANTS OF CONCERN:

Asbestos

MEDIA OF CONCERN:

Groundwater, Soil

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RC - 1990

FTBL-004 CLOSED SANITARY LANDFILL 4A & 4B (SWMU 7 & 8)

SITE DESCRIPTION

Inactive Sanitary Landfill No. 4A is located east of the Southern Pacific railroad, just north of the 100-year floodplain ponding area. Refuse, household and construction demolition debris, and scrap metal were disposed of in this unit in the 1950s and 1960s. Surface dumping may have occurred after the 50-acre unit became inactive as evidenced by piles of debris, which have been removed.

Closed Sanitary Landfill No. 4B is located between Southern Pacific Railroad and Highway 54, southwest of closed landfill No. 4A. This 100-acre unit was used for the disposal of household and municipal type wastes, and some medical wastes from 1954 to 1957. Waste material in the landfill was capped with two feet of earth cover. It has been noted that some surface dumping occurred after the trench-type landfill became inactive. Such illegal dumping is periodically cleared by Fort Bliss DOE. These sites were closed by agreement with TNRCC in January 1990.

STATUS

RRSE RATING:

NE

CONTAMINANTS OF CONCERN:

4A= POL 4B= Metals

MEDIA OF CONCERN:

Soil, Groundwater, Surface Water

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RC - 1990

FTBL-005 CLOSED SANITARY LANDFILL 5 (SWMU 9)

SITE DESCRIPTION

FTBL No. 005 is located southwest of Biggs Army Air Field and north of El Paso International Airport, just east of the horse stables. This 20-acre unit operated from 1947 to 1967 and was used to dispose of household and construction/demolition debris. This landfill was closed and covered with two feet of soil. The site was closed by agreement with TNRCC in January 1990.

STATUS

RRSE RATING:

NE

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Groundwater, Soil

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RC - 1990

FTBL-006 DISPOSAL AREA LANDFILL 6 (SWMU 10)

SITE DESCRIPTION

The exact location of FTBL No. 006 is not known, but reportedly was in the vicinity of FTBL No. 005. This unit, possibly 100 acres in size, was used for the disposal of refuse and scrap metal from 1947 to 1967. This landfill was closed and possibly covered with soil and/or pavement. The site was closed by agreement with TNRCC in January 1990.

STATUS

RRSE RATING:

NE

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RC - 1990

FTBL-007 CLOSED SANITARY LANDFILL 7 (SWMU 11)

SITE DESCRIPTION

FTBL No. 007 is located in the main cantonment area south of Forrest Road and northeast of the Southern Pacific spur line, adjacent to Airport Road. This pre-WWII, 5-acre unit was used to dispose of debris including horseshoes, scrap metal, bottles, timber, and paper from 1940 to 1946. This landfill was closed, paved over, and is now covered with a motor pool area, roads, and buildings. The site was closed by agreement with TNRCC in January 1990.

STATUS

RRSE RATING:

NE

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Groundwater, Soil

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RC - 1990

FTBL-008 DISPOSAL AREA LANDFILL 8 (SWMU 12)

SITE DESCRIPTION

FTBL No. 008 is located north of FTBL No. 007, near Carrington Road and Shannon Van Valzah Road. This 15-acre unit was used for the disposal of refuse, horseshoes, timber, and paper from pre-WWII days to 1940. This landfill was closed, paved over, and is now covered with a motor pool area, roads, and buildings. The site was closed by agreement with TNRCC in January 1990.

STATUS

RRSE RATING:

NE

CONTAMINANTS OF CONCERN:

POL, Metals

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RC - 1990

FTBL-009 DISPOSAL AREA LANDFILL 9 (SWMU 13)

SITE DESCRIPTION

FTBL No. 009 is located southwest of FTBL No. 007, northwest of Building 311 near Pershing Circle. This 10-acre unit was used to dispose of scrap metals, bottles, and other refuse from 1942 to 1946. Reportedly, this landfill was covered periodically, presumably by soil. The site is now covered with grass, roads, and Building 311. The site was closed by agreement with TNRCC in January 1990.

STATUS

RRSE RATING:

NE

CONTAMINANTS OF CONCERN:

Asbestos

MEDIA OF CONCERN:

Groundwater, Soil

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RC - 1990

FTBL-010 CLOSED LANDFILL 10 (SWMU 14)

SITE DESCRIPTION

The exact location of FTBL No. 10 is not known, but reportedly was in the vicinity of the William Beaumont Army Medical Center. The period of operation is listed as 1946 to 1950, and materials disposed included hospital wastes. This unit was closed and possibly covered with soil and/or pavement. The site was closed by agreement with TNRCC in January 1990.

STATUS

RRSE RATING:

NE

CONTAMINANTS OF CONCERN:

Biological, Metals

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RC - 1990

FTBL-011 CLOSED SANITARY 11 (DONA ANA RANGE) (SWMU 29)

SITE DESCRIPTION

A PA performed in 1983 discovered a landfill associated with the Dona Ana Range Camp when it was constructed in 1918. The landfill was reported to be a trench-type that received sanitary waste from the camp from 1918 to 1945. Refuse disposed in the landfill included horseshoes, timber, bottles, paper, and other scrap metal. It was normal practice to fill the trench and then burn the debris.

A subsequent investigation performed in 1987 could not locate the landfill or find any evidence that a landfill existed near the present day camp. However, the site continued to be listed as a SWMU and was assigned SWMU-29. EPA/NMED listed the site in the July 1995 RCRA Subpart X Permit, and required that a RFI be conducted for this site.

In 1996, the RFI was conducted and trenching activities discovered a small area approximately 100 feet in diameter and approximately 5 feet deep in the vicinity of the Dona Ana Range Camp. It appeared to be a construction debris landfill used for a very short time during the 1960s. Due to the non-hazardous nature of the debris, no sampling was performed.

In spring of 2000, a Phase II RI/FS was conducted that identified a potential landfill site from historical records and aerial photographs that appeared to be FTBL-011. It is located approximately 2,800 feet southwest of the Dona Ana Range Camp. Trenching activities revealed military type refuse (identified as pre-WWII) approximately 3 feet below ground surface (bgs) to approximately 10 feet bgs. Soils samples were collected from the site and did not detect any hazardous constituents. A geophysical survey was also performed that determined the landfill is approximately 250 feet long and 12 feet deep and consists of a single cell.

In 2002, a Voluntary Corrective Action Report (VCAR) submitted to NMED indicated no hazardous constituents were released to the environment.

The site was closed under NMED NFA Criterion. Fencing and warning signs are the only long-term controls required and were put in place in 2003.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

POL, Metals

MEDIA OF CONCERN:

Soil

COMPLETED IRP PHASE:

PA/SI, RI/FS, RD, RA

CURRENT IRP PHASE:

RC - 2003

RUBBLE PIT LANDFILL 14 (ORO GRANDE) (SWMU 25)

SITE DESCRIPTION

FTBL No. 014, located south of Oro Grande Range Camp and west of Elephant Mountain, is a 2-acre trench-type landfill in operation from 1983 to 1994. The most recent 300x50x35 foot trench was used to dispose of various refuse and waste material including wood, plastic, paper and some scrap metal from the range camp and was used by contractors on White Sands Missile Range. The original trenches, were covered with natural soil and graded to match the existing contour. The site is beginning to be covered by local desert shrubs and is not marked by surface water runoff. There are however, small arroyos on either side of the landfill running generally north to south. The site is posted with “keep out” signs and is not used for training.

Initial investigative work by Environmental Science and Engineering, Inc. and AT Kearney, Inc. in the 1980s could not find sufficient evidence that the landfill contained only sanitary waste and recommended that a Remedial Investigation be conducted. EPA/NMED listed the site in the HSWA portion of the Subpart X permit for the OD site. The HSWA permit required that RI work plans must be prepared within 120 days of the effective date of the Permit that was issued on 8 July 95. The Remedial Investigation fieldwork determined no RCRA release had occurred and a report so stating was submitted to NMED in July 1997. The RI trenched the site at several locations and conducted a limited pattern of boring which determined the general location and size of the trenches and their depth. The Phase One RI report, while never formally reviewed by NMED was deemed to fall short of conclusive data and another RI/FS investigation suggested.

Because this landfill was in active use after 1986 it is not eligible for inclusion in the DERA program and was transferred to the Solid Waste Manager for the Directorate of Environment, Fort Bliss, Texas in October 2000.

| STATUS | |
|---------------------------------|-------------------|
| RRSE RATING: | Low |
| CONTAMINANTS OF CONCERN: | POL |
| MEDIA OF CONCERN: | Groundwater, Soil |
| COMPLETED IRP PHASE: | PA/SI, RI |
| CURRENT IRP PHASE: | RC - 2000 |

EOD OPEN DETONATION AREA (SWMU 20)

SITE DESCRIPTION

FTBL No. 015 is an Inactive Open Detonation Area (McGregor Range) located approximately one-half mile north of McGregor Range Camp. The site is approximately 10 acres in size and contains two earthen pits and some small trenches. One pit is approximately one acre in size and the second pit is approximately a quarter acre in size. The site is heavily vegetated and lies in a no-training buffer zone around the range camp. The Fort Bliss Master Plan indicates that the future use of the area will remain a buffer zone for the range camp. Records state the site was closed in 1958, but the presence of Hawk missile components indicate that it was used at least until the early 1960s. Empty 55-gallon drums, scrap metal, construction rubble and parts of Nike and Hawk missiles are strewn across the site. There is no sign of surface water runoff. Groundwater in this area of the range is 380 feet bgs and is not considered a source of domestic drinking water.

EPA/NMED listed the site in the HSWA portion of the 1995 Subpart X permit. The HSWA module required that an RFI be conducted to determine if there has been a hazardous constituent release from activities at this site. Soil samples were taken during the RFI (included surface, near surface and subsurface samples) to determine the presence of TPH, RCRA metals and/or RDX. The RFI fieldwork that was completed in December 1996, concluded in a July 1997 report that a release above NMED Soil Screening Levels (SSL) had not occurred. NMED determined that data gaps exist in the RFI report, primarily in determining the limits of any contamination from disposal activity.

- October 1996 - Phase I RFI (Thompson)
- October 1997 - Phase II RFI (Thompson)
- January 2002 – Phase III RFI (Weston)
- December 2002 - Screening Ecological Risk Assessment
- December 2002 - Voluntary Corrective Action Permit

The 2002 VCAR demonstrates that there has been no release of contaminants at this site. Therefore this site can be closed under NMED NFA Criterion. After approval of the VCAR, Fort Bliss will petition NMED for NFA status. Land Use Controls are not anticipated for the site.

STATUS

RRSE RATING:

Medium

CONTAMINANTS OF CONCERN:

POL, Metals

MEDIA OF CONCERN:

Soil

COMPLETED IRP PHASE:

PA/SI, RI

CURRENT IRP PHASE:

RC - 2003

FTBL-016 DONA ANA RANGE 41 (SWMU 26)

SITE DESCRIPTION

FTBL No. 016 is located 3 miles southwest of Dona Ana Range Camp, down the tank train, near Booker Hill. The site was used as the primary demolition range for engineering construction, demolition, and training from 1940, until it was closed officially in 1997. The last recorded use was by a unit of the 3rd Armored Cavalry Regiment in Oct 1995. The 500-ft² unit is a series of small, above ground areas and small pits used for ultimate disposal. The disrupted surface contains debris, exploded and unexploded ordnance, scrap metal, heavy metals, explosive constituents, bricks, and barbed concertina wire.

Desert vegetation is returning to the site with about 30% coverage. There is no surface water in this area and no sign of surface run-on or runoff at the site. The regional aquifer is 370 feet bgs at the range camp. The Dona Ana range camp has one operating domestic water well which is monitored by the Army and the USGS and has had no indications of contamination.

The range was closed because some citizens of Chaparral and Las Cruces felt that noise of the firing and demolition activities on Range 41 was annoying. Improvements to firing ranges further north and east allowed demolition training to be moved and Range 41 to be closed in 1997.

Relative risk sampling of the soils at this site was completed in spring 1998. The RI sampling indicated there was no evidence of a RCRA release. The result of the relative risk sampling was submitted to NMED in April 1998 but to date, Fort Bliss has not received comments.

With the recent discovery by the IRP project manager that the last known use of Range 41 was in 1995, the site was determined to be ineligible for further DERA funding. Therefore the initial RFI documents were forwarded to the Chief of the Multimedia Branch of the Directorate of Environment, so that further cleanup, if necessary, can be conducted using OMA funds.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

UXO, RDX

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI

CURRENT IRP PHASE:

RC - 2000

FTBL-017 RAYTHEON CHROMIC ACID PIT (SWMU 33)

SITE DESCRIPTION

FTBL No. 017, located northwest of the Raytheon Building at Biggs Army Air Field, was formerly used for the disposal of chromic acid metal cleaning solution, from 1980 to 1983. It was a 2.25 cubic yard, in-ground concrete evaporation trough. In 1988, the contaminated near-surface soils were removed, the site was classified as a Class I industrial waste landfill and sealed with a clay cap. The site was officially closed in 1991 with TNRCC approval and a post closure care groundwater monitoring requirement (under our RCRA Part B permit) was imposed. A TNRCC Order and Administrative Penalty was received 17 Dec 1993 for failure to monitor. Monitoring wells were installed in July 1993, and quarterly sampling began in December 1993. Fort Bliss pursued re-closure of this unit under the Risk Reduction Standards (RRS) 2. The site was formally closed in December 1996 and the monitoring wells have been abandoned. The closure letter issued by the TNRCC in 1998, released Ft. Bliss from further monitoring, provided the site was deed recorded. The recorded deed was sent to TNRCC in February 2001 and the site was removed from the RCRA permit.

STATUS

RRSE RATING:

Medium

CONTAMINANTS OF CONCERN:

Metals, Solvents

MEDIA OF CONCERN:

Groundwater, Soil

COMPLETED IRP PHASE:

PA/SI, RI/FS, RA, RA(O)

CURRENT IRP PHASE:

RC - 1997

FTBL-018 BIGGS INACTIVE FIRE FIGHTING TRAINING AREA (SWMU 32)

SITE DESCRIPTION

FTBL No. 048, located north of the vehicle training area between the Southern Pacific Railroad and Biggs Army Air Field, was used for fire fighting training exercises from 1980-1987. The 5-acre unit consisted of several burn sites and an unlined surface impoundment. The 27.5-acre training facility also included a large drum storage area and several drum staging areas adjacent to the operation unit. Wastes used to ignite the automobile bodies, fixed wing, and rotary wing training scenarios included waste oils and fuels, kerosene, degreasing solvents, hydraulic fluid, alcohols, and paint thinner. In 1985, more than 1500 drums were stored at this site. A 1987 TNRCC administrative order required site assessment, closure and groundwater monitoring for this unit. In 1988, the final 106 waste solvent drums were removed from the site. A new investigation was required by TNRCC, stating deficiencies in the 1988 Closure Plan. Further confirmatory field investigations were conducted in February 1994.

The results of the investigation were submitted to the TNRCC and final RRS2 closure was approved in March 1996. Fort Bliss was released from post closure care provided a recorded deed certification was filed with the County Clerk of El Paso County. The recorded deed was mailed to TNRCC in February 2001 and the site was removed from the permit in March 2003.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

POL, POL, Solvents

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI, RD, RA

CURRENT IRP PHASE:

RC - 1996

FTBL-019 PESTICIDE STORAGE & MIXING BLDGS 60-36 & 60-276 (SWMU 50)

SITE DESCRIPTION

FTBL No. 019, located along Missiles Road east of Pleasonton Road, consisted of two adjacent Butler metal portable sheds (No's 60-36 and 60-276) and a small shallow concrete basin (approximately 1 square yard). This was a RI Unit listed in the Texas Part B Permit. The vented buildings (10x15x10 feet) were used for storage, and the pad with a 2-inch raised berm around it was used for mixing pesticides. This unit has been in operation since 1975, housing such pesticides as diazinon, malathion, chlordane, and DDT. Spills occurred in 1982 and/or 1983, which contaminated the soil. The soils were excavated and treated via low temperature thermal desorption in February 1996. Closure letter from TNRCC received July 1998 required only deed certification. The recorded deed was mailed to TNRCC in February 2001. Fort Bliss received a letter from TNRCC, subject; "Acceptance of Deed Certification and Release from Post-Closure Care Responsibility" dated March 14, 2001. The site was removed from the Texas permit when it was renewed in March 2003.

STATUS

RRSE RATING:

High

CONTAMINANTS OF CONCERN:

Pesticides

MEDIA OF CONCERN:

Groundwater, Soil

COMPLETED IRP PHASE:

PA/SI, RI/FS, RD, RA

CURRENT IRP PHASE:

RC - 2001

FTBL-020 PATHOLOGICAL INCINERATOR (SWMU 40)

SITE DESCRIPTION

FTBL No. 020, a small natural gas incinerator, was located near the William Beaumont Army Medical Center (WBAMC), and was used for disposal of wastes from the medical center. The 6x6x20-foot unit was staged on a concrete pad inside a locked barbed wire fence and was operational from 1986 to 1989. Although it had had a daily capacity of 50 pounds, only about 20 pounds of ash/bone waste were produced daily during the incinerator operation. Periodically, the incinerated waste was placed in the active sanitary landfill (FTBL-001). The incinerator was dismantled and the site demolished 1990. The site was closed by TNRCC in January 1991.

STATUS

RRSE RATING:

NE

CONTAMINANTS OF CONCERN:

None

MEDIA OF CONCERN:

None

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RC - 1990

FTBL-022 ORO GRANDE OXIDATION LAGOON (SWMU 25B)

SITE DESCRIPTION

FTBL No. 022 is an active evaporation pond located west of Oro Grande Range Camp on White Sands Missile Range (WSMR) property and receives sanitary wastewater from the camp through a 12-inch steel effluent pipe. Under an existing Memorandum of Agreement between Ft Bliss and WSMR, Ft Bliss operates and maintains the pond. Wastewater stabilizes and evaporates in the single-celled pond, which covers 4.74 acres. Two breaks in the effluent pipe have been observed. The pond was constructed in 1972 and primarily serviced activities of the 3rd Armored Cavalry. In 1996, the 3rd Cavalry was reassigned from Ft Bliss resulting in a decrease in wastewater flow at this site of 80% or more. Some minor maintenance activities still occur at Oro Grande which keeping effluent flowing to the site. A 10-mil polyethylene liner is in place but appears to be degraded. Chemical constituents in the wastewater were thought to include heavy metals, POL, volatile and semi-volatile organic compounds that may be discharged from the motor pool activities connected to the sanitary sewer system discharging into the pond. It is probable, based on known practices at other sites on Ft Bliss, that pesticides were routinely applied to the pond for insect control.

Vegetation in the pond itself is concentrated around the outfall pipe. Vegetation around the pond's berm is normal desert type growth both in species and density. Biologists and ecologists from the Directorate of Environment monitor the site for Ft Bliss and keep track of the wildlife using the site. To date there has been neither evidence of stressed vegetation around the site nor of harm to the wildlife that use the pond. There is no evidence of run-on or runoff problems at the site. The regional aquifer is almost 385 feet deep under the range camp and similar to the McGregor and Meyer Range Camps, is not considered a domestic drinking source as it has a TDS of over 8900-ppm. The pond is fenced with a barbed wire fence and marked with signage.

Findings of an earlier (1992) RFI and CMS were not accepted by NMED. Consequently, an additional study was requested by the state to define the extent of contamination and estimate mobility of selected constituents. The initial study reported bi (2-ethylhexyl) phthalate (BEHP), chlordane, and pp'DDD concentrations above proposed action levels. EPA/NMED listed the site in the HSWA portion of the Subpart X permit for the OD site. The HSWA permit requires that an RFI work plan be conducted to determine if there has been a release of hazardous waste. RFI fieldwork was completed in 1997 and submitted to NMED in Jul 1997. NMED has yet reviewed the document. An ecological Risk Screening was completed in 1999 and indicated there are no completed pathways. Evaluation in early 2000 of all previous investigative work concluded that the site was eligible for closure under NMED NFA Criteria 5. However, when an attempt was made to include this site in a multi-site No Further Action petition to NMED in Sept 2000, NMED would not allow FTBL-022 to be included. This exclusion from the NFA package was based on NMED's decision in June 2000 to assign total responsibility of the site to WSMR as the property owners. With Ft Bliss not being the property owners, we could not request the site be classified as NFA, despite the fact that Ft Bliss did all the investigation and is the source of the effluent.

Unless a DA decision is made transferring the property to Ft Bliss, no further Ft Bliss DERA funding will be allocated to the site and the site is shown in Ft Bliss's AEDB-R database as closed. In Sept 2000, Ft Bliss transferred the NFA package and all relevant documentation to WSMR.

In Oct 2000, DERA funds were used to clean the Imhoff tank of all sludge and debris. The sludge had tested above Human Health Soil Screening Levels for metals and it was felt by NMED and Ft Bliss that complete removal was warranted. A Voluntary Corrective Action Report was submitted to NMED in Nov 2000.

STATUS

RRSE RATING:

High

CONTAMINANTS OF CONCERN:

Pesticides, POL, Solvents, Metals

MEDIA OF CONCERN:

Soil

COMPLETED IRP PHASE:

PA/SI, RI

CURRENT IRP PHASE:

RC - 2000

FTBL-023 DONA ANA OXIDATION LAGOON (SWMU 27B)

SITE DESCRIPTION

FTBL No. 023 located 0.75 miles southwest of Dona Ana Range Camp is used for the collection and evaporation of sanitary wastewater from the camp. The unlined unit is a two-celled lagoon constructed in 1965 and the main cell covers a surface area of 4.17 acres and primarily serviced activities of the 3rd Armored Cavalry. In 1996, the 3rd Cavalry was reassigned from Ft Bliss resulting in a decrease in wastewater flow at this site of 80% or more. Some vehicle maintenance activities still occur at the site. Past wastewater disposal was not monitored and petroleum constituents or solvent wastes from motor pools may have entered this unit. Motor pool activities are now connected to the sanitary sewer line that discharges into the pond through oil water separators. It is probable, based on known practices at other sites on Ft Bliss, that pesticides were routinely applied to the pond for insect control.

There is a small tree and reed growth at the outfall pipe in the pond and sparse growth of desert type shrubs in the rest of the main cell and the overflow cell. Vegetation around the pond is normal desert type growth. The pond is fenced with a barbed wire fence and marked with signage. There is no evidence of run-on or runoff problems at the site. The regional aquifer is 370 ft bgl at the range camp. The Dona Ana range camp has one operating domestic water well (approximately 1-mile upgradient from the pond), which is monitored by the Army and the USGS and has had no indications of contamination.

EPA/NMED listed the site in the HSWA portion of the Subpart X permit for the OD site. The HSWA permit required that an RFI workplan be conducted to determine if there has been a release of hazardous waste. RFI fieldwork was completed in 1997 and the RFI report was submitted to NMED in 1998. NMED has yet to review the document. An ecological Risk Screening was completed in 1999 and indicated that there are no completed pathways. The site was submitted as part of a larger multi-site package for No Further Action to NMED in Sept 2000. The required 60-day Public Comment period for which Ft Bliss was responsible has been conducted with no unfavorable comments. The NFA Petition has been judged “administratively” complete by NMED, who requested additional information of a technical nature. That request for “supplemental information” was responded to in Sept 2001.

At this point the NFA picture became very confused when NMED, on 14 Jan 2002, wrote a letter to Ft Bliss stating in part that “... these sites are capable of a NFA determination ...” but nothing further would be done on this matter until the Post gave in to their demands that Notices of Intent to Discharge were filed and Discharge Permits obtained from the State’s Ground Water Bureau. The Army’s Staff Judge Advocate officials have said that this request is not legal, nor authorized by Congress. In addition, the scientific evidence supports a finding of NFA. When Ft Bliss replied to NMED asserting this position, NMED eventually (10 Mar 2003) rejected the entire 6-site NFA petition. The 10 Mar 2003 letter went on to require very extensive additional investigation and improvements at the pond, not the least of which was the requirement for NOI and Discharge Permits. As of this writing, the whole matter lies with the legal department of the state of New Mexico and the Army.

STATUS

RRSE RATING:

High

CONTAMINANTS OF CONCERN:

None

MEDIA OF CONCERN:

None

COMPLETED IRP PHASE:

PA/SI, RI

CURRENT IRP PHASE:

RC-2000

FTBL-024 CLOSED OXIDATION LAGOON - JTF6 (SWMU 39)

SITE DESCRIPTION

FTBL No. 024 is known as the JFT6 Oxidation Lagoon and also as the NCO Academy Pond. FTBL No. 024, located west of FTBL No. 044 and east of the Joint Task Force drug enforcement compound at Biggs Army Air Field, is an unlined, earthen wastewater treatment unit for the evaporation of wastewater. This is an RFI Unit listed in the Texas Part B Permit. This 4-acre square pond unit, in operation from 1960 to 1989, was also used for the draining of contaminated fuel from trucks. This 15 foot deep unit received industrial wastewater, POL, fuel filters, and liquids containing heavy metals. Aldrin and total petroleum hydrocarbons (TPH) were also detected at this site. Reportedly, a fuel spill of 5,000 to 10,000 gallons occurred on an unknown date and was subsequently absorbed by the sediments. Soil remediation via low temperature thermal desorption was completed in summer 1996. Closure letter was received from the TNRCC in July of 1998 and required the site be deed certified to avoid post closure care. The deed was submitted to TNRCC in February 2001 and Fort Bliss received an "Acceptance of Deed Certification and Release from Post-Closure Care Responsibility" dated March 14, 2001 from TNRCC. The site was removed from the HW permit when it was renewed with the state of Texas in March 2003.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

Metals, POL

MEDIA OF CONCERN:

Groundwater, Soil

COMPLETED IRP PHASE:

PA/SI, RI/FS, RD, RA

CURRENT IRP PHASE:

RC - 2001

FTBL-025 HAZARDOUS WASTE & PCB STORAGE (SWMU 30)

SITE DESCRIPTION

FTBL No. 025, located east of the Biggs Army Air Field runway, is a locked metal building situated on a bermed concrete pad. The concrete pad is 20x40 feet with a 6-inch curb. This building is used for the storage of PCB-containing wastes, and hazardous wastes from all areas of the base. Some 55-gallon drums of waste are stored on pallets staged on asphalt and/or gravel outside of the building. This storage facility has been used from 1981 to the present time. Other materials stored here include corrosive, ignitable, toxic, and reactive wastes, and battery and chromic acids. Hazardous wastes are transported off-site for final disposal. This facility is a permitted RCRA Part B Storage Facility and will require investigation of any hazardous waste/constituent releases upon closure of the permitted units. PCB concentrations were detected above the proposed action levels. The TNRCC approved a no action alternative pertaining to the PCB contamination only in November 1992.

STATUS

RRSE RATING:

NE

CONTAMINANTS OF CONCERN:

POL, PCBs, Acids

MEDIA OF CONCERN:

Soil, Groundwater, Air

COMPLETED IRP PHASE:

PA/SI, RI

CURRENT IRP PHASE:

RC - 1992

FTBL-028 RUBBLE DUMP SITE (NEAR SITE MONITOR) (SWMU 16)

SITE DESCRIPTION

FTBL No. 028 is located southeast of Biggs Army Air Field, generally along a one mile section of the north-south power line road, west of the site monitor (radar) facility. This area of unauthorized dumping along a road with public access was noted in the 1987 RFA by AEHA. Some visible spills of black, sludgy POL material were located on both sides of the road. Other prohibited materials included construction/demolition debris, furniture, glass, asphalt, plastic, and wood. Illegal dumping covered an approximate area of 25 acres.

The site has a normal cover of typical desert shrubs for the region and there is no sign of distressed vegetation. There is no sign of run-on or runoff at the site.

This site was proposed for closure and remediation by the regulators in September 1989, but was overlooked during subsequent investigations. A preliminary assessment (PA) with limited sampling (a preliminary site investigation) was conducted in 1995. High SVOCs and TPH levels were detected in a small limited area of the soil and small amounts of asbestos roofing material were present in surface debris. Site investigation to identify nature of contamination was completed and submitted to TNRCC in late 1997. TNRCC responded in early 1998 identifying some data gaps and recommending some clean up activities. FY00 work included waste removal and disposal and construction of a boundary fence and gate to prevent further dumping.

Year-end FY 00 funding allowed completion of confirmation sampling and a final clean up report to the state. Improvement to the berm that runs along the East Side of the reservation (along Montana Avenue) and extension of the four-strand barbed wire fence around to the Site Monitor Radar site north and west of the site was also included in this contract. "No Dumping No Trespassing" signs were installed along the whole length of barbed wire fence. The Response Action Completion Report for this site was submitted to TNRCC 11 April 2001. Because Fort Bliss was able to "clean closure," the site closure was requested under TRRP Remedy Standard A, Residential. The closure status was accepted without question.

No future action is anticipated. The site was "clean closed." The cost to insure the fence and signage will be the responsibility of Post Engineering.

STATUS

RRSE RATING:

High

CONTAMINANTS OF CONCERN:

Soil

MEDIA OF CONCERN:

SVOCs, TPH

COMPLETED IRP PHASE:

PA/SI, RI/FS, RD, RA

CURRENT IRP PHASE:

RC - 2001

FTBL-029 BIGGS AAF FORMER FIRE TRAINING AREA (SWMU 31)

SITE DESCRIPTION

FTBL No. 029, located east of the Biggs Army Air Field runway and north of B-11620, was used for fire fighting training exercises from 1971 to 1981. This was an RFI Unit listed in the Texas Part B Permit. Old automobile bodies and aircraft fuselage were staged on the ground, doused with flammable materials, and ignited. The 3-acre unit has a stained soil area measuring 100x100 feet. Waste fuels, POL, paints, and chlorinated solvents, possibly containing heavy metals, may have been released at the site during operation. The final closure plan was amended to include the results of the field survey conducted in March 1994. Soil remediation via low temperature thermal desorption was completed in 1996. Closure letter was received from TNRCC in July 1998 with a requirement for Deed Certification of the site. The recorded deed was sent to TNRCC in February 2001. Fort Bliss received a TNRCC letter of "Acceptance of Deed Certification and Release from Post-Closure Care Responsibility" dated March 14, 2001. The site was removed from the permit in March 2003 when the Fort Bliss HSWA permit was renewed.

STATUS

RRSE RATING:

Medium

CONTAMINANTS OF CONCERN:

Metals, POL, solvents

MEDIA OF CONCERN:

Groundwater, Soil

COMPLETED IRP PHASE:

PA/SI, RI, RD, RA

CURRENT IRP PHASE:

RC - 2001

FTBL-031 OIL PITS AT INACTIVE SANITARY LANDFILL 2 (SWMU 4)

SITE DESCRIPTION

FTBL No. 031 is located southeast of closed landfill No. 2 (FTBL No. 2). This is an RFI Unit listed in the Texas Part B Permit. Three pits were used for disposal of POL, Polychlorinated biphenyls (PCBs), solvents, and heavy metals. The period of operation of the oil pits was from 1954 to 1974.

The site is almost flat and is located inside the fence that surrounds closed landfill No. 2. To the east of the site are missile training hardstands and a large water storage tower. There is no surface water within 5 miles of the site. Fort Bliss has an operating water well with in one half mile of the site that is under a regular monitoring program with no sign of decreased water quality. There is no evidence of run-on or runoff of rainwater at the site. The old pits are from 3 to 5 feet deep but receive only rain that falls directly on them. The pit area itself is not vegetated, but the landfill cover and surrounding area has substantial vegetation.

Remedial action conducted at the site was to remove the contaminated soils (down to 50 feet below the bottom of one pit) and remediate it via low temperature thermal desorption. The clean up was completed in 1996. TNRCC requested additional borings to determine if there was perched water under the site and, if found, to obtain water sampling. A boring to 102 feet below the ground surface was completed in January 2000 and found no water under the site. There are no plans to develop this site in the future. It will remain inside the land control area enacted for closed landfill No. 2.

Request for NFA and removal from the permit was sent to TNRCC in the summer of 2000. TNRCC approved closure under RRS-2 and required deed certification to avoid post closure care. The deed has been recorded with the County of El Paso and sent to TNRCC in September 2000. "Acceptance of Deed Certification and Release from Post-Closure Care Responsibility" dated December 6, 2000 was received. This site was removed from the HSWA RCRA Permit with Texas.

The Post Engineers have the responsibility to ensure the fence around the landfill (and this site) is maintained.

STATUS

RRSE RATING:

High

CONTAMINANTS OF CONCERN:

PCBs, Lead, TCE, POL

MEDIA OF CONCERN:

Groundwater, Soil

COMPLETED IRP PHASE:

PA/SI, RI, RD, RA

CURRENT IRP PHASE:

RC - 2000

FTBL-032 MCGREGOR FORMER FFTA (SWMU 21)

SITE DESCRIPTION

FTBL-032, located at McGregor Range Camp, was used for training exercises related to fire fighting until 1983. A burned jet fuselage and other automobile bodies remain on site. Wastes released into the 75x30-ft area include waste oil, fuel, solvents, fog oil, and other flammable liquids.

The site is flat and is part of the buffer zone around the McGregor Range Camp. The Ft Bliss Master Plan shows that the future use of this site will remain an unoccupied buffer zone. The site is bermed on the north side from the undeveloped land north of the site. The vegetation is kept down similar to the rest of the buffer areas around the camp, by the Post Engineers. Although there is a slight fall from north to south across the site, there is no sign of erosion on the site from either run-on or runoff. There is no surface water, except for the camp wastewater pond with in 5 miles. Groundwater is not a problem because the regional aquifer is 380 ft deep at this point and has a TDS of 8900 ppm.

A RFI conducted in 1991 indicated TPH contamination over 20,000 ppm. The state rejected the RFI because the contamination was not adequately defined. During a site visit by EPA/NMED on 12 Oct 1994, the regulators requested additional soil sampling to characterize the full extent of contamination, and details on the depth and water quality of the groundwater in the area so that a site closure determination could be made. In addition, NMED requested the removal of all soil with TPH concentrations over the State standard of 100 ppm.

NMED added this site (along with the adjacent Drum Storage Area, FTBL-045) onto the list of RFIs required under the RCRA Subpart X permits in Dec 1997. Additional RI work was completed in early FY99 and indicated that a risk based closure for NFA for this site was appropriate. A Phase II RI conducted in 1999 produced subsequent soil borings up to 5 ft and surface sampling that determined that present TPH levels are below state standards (100 ppm). The site was submitted in Sept 2000 with other New Mexico DERA sites to NMED for closure. The required 60-day Public Comment period for which Ft Bliss was responsible has been conducted with no unfavorable comments. To date there has been no response on the NFA Petition from NMED. The NFA Petition has been judged “administratively” complete by NMED who requested additional information of a technical nature. That request for “supplemental information” was responded to in Sept 2001. The NFA Petition was approved and the 6 sites moved to the “No Further Action Required” portions of the Ft Bliss/New Mexico RCRA permit in Jan 2002.

At this point the NFA picture became very confused when NMED, on 14 Jan 2002, wrote a letter to Ft Bliss stating in part that “... these sites are capable of a NFA determination ...” but nothing further would be done on this matter until the Post gave in to their demands that Notices of Intent to Discharge were filed and Discharge Permits obtained from the State’s Ground Water Bureau. The Army’s Staff Judge Advocate officials have said that this request is not legal, nor authorized by Congress. In addition, the scientific evidence supports a finding of NFA. When Ft Bliss replied to NMED asserting this position, NMED eventually (10 Mar 2003) rejected the entire 6-site NFA petition. The 10 Mar 2003 letter went on to require very extensive additional investigation and improvements at the pond, not the least of which was the requirement for NOI and Discharge Permits. As of this writing, the whole matter lies with the legal department of the state of New Mexico and the Army.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

None

MEDIA OF CONCERN:

None

COMPLETED IRP PHASE:

PA/SI, RI

CURRENT IRP PHASE:

RC - 2000

FTBL-033

STORMWATER IMPOUNDMENT AREA (SWMU 45)

SITE DESCRIPTION

FTBL No. 033, a series of ditches and ponds located throughout the main post and Biggs Army Air Field, is used to collect storm drainage runoff from the post. The ditches, generally 5 feet wide and 4 feet deep, and retention ponds varying in size, have been used from an unknown date until the present time. The condition of the ditches and ponds varies. Liquids containing a low concentration of fuels, oils, and organic material may reach the storm drains and ponds. The major pond collecting a preponderance of Fort Bliss final flows, located north of Fred Wilson Drive and east of Railroad Drive, was investigated during the RFI. Borings were taken from this major ponding area and none of the proposed action levels for metals volatile organic, petroleum products, etc. were exceeded. Therefore no further action was approved by TNRCC in March 1992.

STATUS

RRSE RATING:

NE

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI

CURRENT IRP PHASE:

RC - 1992

FTBL-034

HERBICIDE STORAGE BLDG 11160 (SWMU 63)

SITE DESCRIPTION

FTBL No. 034, located southeast of the intersection of Randolph and SSG Sims Streets at Biggs Field, was a storage building housing at least 25 types of herbicides including chlordane, dieldrin, DDT, 2,4-D, and endrin. This was an RFI Unit listed in the Texas Part B Permit. Deterioration of the interior wooden floor and evidence of spilled pesticides had been observed in the building. The storage building was elevated about 3 feet above the ground surface on piles. Demolition of the building was the first step in the remediation process, but this step was preceded by abatement of lead-based paint and asbestos in June 1995. Soil sampling was done to determine the extent of contaminated soils. Soils, which exceeded the human health soil screening levels, were then excavated and treated via low temperature thermal desorption. Closure letter was received from TNRCC in July 1998. To avoid "post closure care" the site had to also be Deed Certified. The certified, recorded deed was completed in February 2001 and sent to TNRCC. Fort Bliss received "Acceptance of Deed Certification and Release from Post-Closure Care Responsibility" from TNRCC, dated March 14, 2001. The site was removed from the permit with Texas in March 2003.

STATUS

RRSE RATING:

High

CONTAMINANTS OF CONCERN:

Pesticides, Solvent, Asbestos, Lead-Based Paint

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI, RD, RA

CURRENT IRP PHASE:

RC - 2001

FTBL-035 CLOSED RUBBLE PIT #1 (SWMU 2)

SITE DESCRIPTION

FTBL No.035 is located southeast of and contiguous with the active sanitary landfill (FTBL No. 001). This 20-acre open rubble disposal area has been used since 1974. Wastes disposed of in the pit include scrap metal and construction debris. This site was closed as a ER,A site by TNRCC in March of 1992 along with FTBL-001, SWMU #1.

STATUS

RRSE RATING:

NE

CONTAMINANTS OF CONCERN:

POL, Metals

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RC - 1989

FTBL-036 UNICOR DRY CLEANING FACILITY BLDG 2019 (SWMU 65)

SITE DESCRIPTION

FTBL-036, located on the main cantonment area just north of Forrest Rd west entrance gate, is a dry cleaning facility that was in operation from the 1930s until Nov 1990. A release of a dry powdery blue-gray material was observed behind the building. Flammable solvents and other waste materials were potentially released onto the soil.

The dry cleaner bldg has been demolished, leaving a rock bldg (on the Historical Register) to the immediate south and the concrete slabs of what once was the dry cleaner directly over the site itself. There are other slabs to the west and a large area covered with a rock blanket to the north and east. There is no surface erosion from run-on or runoff. The nearest surface water is more than 5 miles north (up-gradient).

A PA with limited sampling conducted in Nov 1995. Results indicate that surface and subsurface soils are contaminated with PCE and other VOCs and SVOCs. A RFI Phase I conducted to characterize the nature and extent of contamination revealed the presence of a perched aquifer at 60 ft with PCE/VOCs. The concentration levels are very low at 46 ppm. A Phase II RI was completed early FY99 indicating (by a slug test) that the perched aquifer was not useable. Historic research has shown that there a well on the mesa any shallower than 200 or more ft bgs. The TNRCC program manager for Ft Bliss had indicated that site could be closed if a risk assessment was completed showing that the contaminants from the site will not reach the regional aquifer. A Baseline Risk Assessment and Corrective Measures Study was completed in Dec 2000 and submitted to TNRCC in Jan 2001. Ft Bliss feels risk assessment validates the conclusion that by the time the contaminants in the perched aquifer could reach the regional aquifer under Ft Bliss (at a 100 year breakthrough) they will be transformed into harmless compounds. When a new TNRCC program manager was assigned in Jan 2001, the closure process slowed until he could become familiar with all previous work.

A concrete cap was installed in the summer of 2001 and the site considered response complete. Ft Bliss submitted an Affected Property Assessment Report (APAR) to TCEQ requesting closure under TCEQ grandfather closure risk reduction. Standard #3 Industrial/Commercial closure was accepted by letter dated Oct 12, 2002

STATUS

RRSE RATING:

Medium

CONTAMINANTS OF CONCERN:

Solvents

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI, RA

CURRENT IRP PHASE:

RC - 2001

FTBL-037 MCGREGOR BORROW PIT DRUM BURIAL SITE (SWMU 66)

SITE DESCRIPTION

FTBL No. 037, located at McGregor Range northwest of B-9902, is an orphaned drum burial area. Crews excavating caliches from a borrow pit at McGregor Range discovered a single 55-gallon drum partially buried on a small bench on the south side of the pit. The actual burial date is unknown. At the time of the discovery the borrow pit itself measured about 40 x 90 x 4.5 feet deep.

The borrow pit sits in the middle of the valley between the Hueco and Franklin Mountains about 1 mile west of the McGregor Range camp and 700 feet south of the main road between the camp and Highway 54. The area to the north, south and east are developed military sites with the west being undeveloped terrain. The area around the pit and military facilities is heavily vegetated and generally sloping at a very slight angle from north to south. There is no evidence of run-on to the borrow pit and being a pit, there is no run-off.

A Preliminary Assessment with limited sampling was conducted in November 1995. Results indicated that there was no release as the drum contained less than 1 gallon of oil-based paint and no contamination of soils surrounded the drum. Drum and contents were removed in 1998.

After the drum was removed, the pit continued to be used by post engineers and road contractors for caliches borrow material. Since that time, about 24,000 cubic yards of material have been removed; effectively over-excavating the site threefold without any additional drums or contamination of any kind being discovered.

The site was submitted for No Further Action under NFA Criterion # 3 (no evidence of a release), in September 2000 as part of a multi-site package, to NMED. The required 60-day Public Comment period for which Fort Bliss was responsible has been conducted with no unfavorable comments. To date there has been no response on the NFA Petition from NMED. The NFA Petition has been judged "administratively" complete by NMED who requested additional information of a technical nature. That request for "supplemental information" was responded to in September 2001.

At this point the NFA picture became very confused when NMED, on 14 January 2002, wrote a letter to Fort Bliss stating in part that "... these sites are capable of a NFA determination ..." but nothing further would be done on this matter until the Post gave in to their demands that Notices of Intent to Discharge were filed and Discharge Permits obtained from the State's Ground Water Bureau. The Army's Staff Judge Advocate officials have said that this request is not legal, nor authorized by Congress. In addition, the scientific evidence supports a finding of NFA. When Fort Bliss replied to NMED asserting this position, NMED eventually (10 March 2003) rejected the entire 6-site NFA petition. The 10 March 2003 letter went on to require very extensive additional investigation and improvements at the pond, not the least of which was the requirement for NOI and Discharge Permits. As of this writing, the whole matter lies with the legal department of the state of New Mexico and the Army.

STATUS

RRSE RATING:

Medium

CONTAMINANTS OF CONCERN:

None

MEDIA OF CONCERN:

None

COMPLETED IRP PHASE:

PA/SI, RI/FS, RD, RA

CURRENT IRP PHASE:

RC - 2000

FTBL-038 BLDG 1378 UST SITE (TX) (SWMU 67)

SITE DESCRIPTION

FTBL No. 038 is located at Building 1378, south of Pike Road, between Marshall and Pleasonton Roads. A 1000-gallon steel diesel underground storage tank (UST) was removed in October 1994. The pit walls were contaminated at levels in excess of TNRCC cleanup goals. Water production well #5 (screened at 300+ ft bgs) is located 300 feet southwest of the site but has shown no contamination. A site investigation was performed in August 1994 and two borings indicated contamination at depths of 20-42 feet, with soil contamination in excess of the TNRCC action limits for TPH. This site is listed by the state as LPST #109913. A Risk Based investigation and closure request was submitted to TNRCC, 19 October 1998. TNRCC requested data be sent on the water quality in the surrounding wells. The well data was sent in April 1999 and agreement with the closure received from TNRCC on February 13, 2002.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI/FS, RD, RA

CURRENT IRP PHASE:

RC - 1999

FTBL-039 BLDG 199 UST SITE (TX) (SWMU 63)

SITE DESCRIPTION

FTBL No. 039 is located at Building 199 south of Forrest Road, between Doniphan and Custer Roads. The site is currently utilized as an Army Air Force Exchange Services (AAFES) gas station. A Notice of Violation (NOV) was received in Apr 1989 for a leaking tank. The site now includes six single-walled, fiberglass, 10,000-gallon gasoline USTs. One tank, known to have released 2,000 gallons, was repaired in 1991 and is still in service. The tank cavity was lined prior to installing the repaired tank. Some contaminated soils, surrounding the repaired tank, in excess of state action levels, were removed. Production water well #5 is located approximately 1500 feet northeast of this site, but draws water from the 300+ feet below ground. In addition, there has been no decrease in water quality. Risk-based investigation and closure request submitted to TNRCC February 1998. TNRCC closure letter was issued April 8, 1999.

STATUS

RRSE RATING:

Medium

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RIFS, RD, RA

CURRENT IRP PHASE:

RC - 1999

FTBL-040 BLDG 1742 UST SITE (TX) (SWMU 69)

SITE DESCRIPTION

FTBL No. 040 is located at Building 1742 at the northeast corner of Victory Avenue and Marshall Road. The site is currently a car rental facility. This site had four single-walled, fiberglass 10,000-gallon gasoline USTs, one of which was removed in 1996 with the other three removed in 1994. The 1996 removal was precipitated by a release of 2,000 gallons of gasoline from UST #3.

A NOV was received in May 1989 as a result of the gasoline release. A water supply well (No. 9) is located 1,400 feet southwest of B-1742 and a stormwater pond adjoins the north side of the site. A 1994 investigation discovered a perched water table at a depth of 30 feet, which halted plans to remediate the site. One year of quarterly groundwater monitoring and sampling was completed in 1999 in an attempt to show that hydrocarbon levels were stable or declining. Groundwater quantities in this perched aquifer were insufficient to obtain samples in some wells. Closure request to TNRCC in FY99 was denied and additional remediation actions were required. Fort Bliss responded by removal of more LNAPL from the perched aquifer until the monitoring wells were showing no product over a six-month period. TNRCC was again requested in October 2000, to close this site. TNRCC denied closure request and requested two additional monitoring wells. On May 14, 2001, the installation submitted a technical response detailing why additional wells were not required and again requested closure of the site. However, in September 2001, TNRCC again refused to close the site and directed that four more quarters of monitoring be conducted to assure that no further product was coming into the wells. Because this site is funded under OMA dollars, it has been closed under the IRP. TCEQ issued a closure letter for this site Jan 26, 2004.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI/FS, RD, RA

CURRENT IRP PHASE:

RC - 2000

FTBL-041 BLDG 11106 FORMER UST SITE (TX) (SWMU 70)

SITE DESCRIPTION

FTBL No. 041 is a portion of the former fueling system for Biggs Air Force Base. It is generally located at Building 11106, 800 feet west of the maintenance hanger and south of the helicopter-parking apron at the present Biggs Army Air Field. Nine 25,000-gallon steel JP-4 USTs (also used to store gasoline and diesel), a 10,000-gallon steel solvent UST (PD-680), and a 500 gallon kerosene UST were installed in 1942 and removed in 1989. The total extent of the Air Force bulk fueling system is not known at this time, as the entire system was not present when the airfield was turned over to the Army in the early 1960s. Recent historic research has determined that the Air Force reported numerous spills during the 20 plus years the Air Force operated this base. More recently, a release of approximately 1,700 gallons of JP-4 occurred in 1989 and about 200 gallons of solvent was spilled during removal of that tank the same year. A NOV was received in March 1989 for a leaking tank.

A 1994 investigation discovered a perched water table at a depth of 30 feet, which halted plans to remediate the site. LNAPL is present on a second water table 45 feet below ground surface. The TNRCC is requiring delineation and removal of LNAPL. Two Fort Bliss drinking water wells (drawing from 300+ fbg) are located within 1/4 mile of this site and have not shown any contamination. A groundwater sample collected from the perched aquifer beneath the site indicated benzene at concentrations of 9,500 ppb. In late 1996, during repaving of the flight line adjacent to the site, additional fuel contaminated soil was discovered. This area is where the aircraft were refueled on the flight line. A rail car unloading station and pipeline supply system must still be assessed.

Three years of groundwater monitoring and sampling have been completed. TNRCC has indicated the site can be submitted for closure when the LNAPL is removed. Due to the continued presence of the LNAPL a bio-slurping free product recovery system was installed in December 2002. However, similar to the vacuum extraction system first used, initial results seemed promising but then dropped off dramatically. Both methods were also fairly expensive compared to the number of gallons recovered. Extensive research was completed on other technology it was determined to try mobile dual phase vacuum extraction. A mobile rig was moved on site in the spring of 2003 and a 16-hour pilot test was run with excellent results. 477 gallons of very rich product (10% liquid, 90% vapor) were extracted and removed through high temperature firing. The radius of influence for the MDPE was greater than 100 feet. After the test, product was uniformly distributed in all deep wells. A second event was run in July and similar results were achieved. It is expected that the site could be closed in late 2004 after two or three additional MDPE events are completed.

However, this remediation is funded by OMA funds and is therefore closed under the IRP program.

STATUS

RRSE RATING:

High

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI/FS, RD, RA

CURRENT IRP PHASE:

RC - 1996

FTBL-042 BUILDING 9522 UST SITE (NM) (SWMU 71)

SITE DESCRIPTION

FTBL No 042 is located at Building 9522 at the McGregor Camp in New Mexico. The site lies northeast of the intersection of Hercules and Carlsbad Roads, within a paved motor repair and maintenance compound. The site contained seven USTs: four 10,000-gallon tanks were removed in 1991 and three USTs (a 20,000 gallon JP-8 UST, a 10,000 gallon MOGAS UST, and a 2,000 gallon used oil UST) were removed in 1994. A supply line release of ~200 gallons of JP-8 precipitated a NOV received in June 1992. A 1994 investigation discovered perched water at 40 feet but not in usable quantities. The NOV has been resolved and NMED has indicated in August 1996, that no further action is needed at this site.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI/FS, RD, RA

CURRENT IRP PHASE:

RC - 1996

FTBL-043 RUBBLE PIT NO. 2 (SWMU 5)

SITE DESCRIPTION

FTBL No. 043 is located on the north side of an old paved road, south of closed landfill No. 2 (FTBL No.002). Construction, demolition debris and POL were disposed of in this 60-acre unit from 1957 to 1974. The site was considered NFA when TNRCC issued the HSWA permit in July 1991.

STATUS

RRSE RATING:

NE

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RC - 1990

FTBL-044 RUBBLE DUMP- BIGGS AAF (SWMU 15)

SITE DESCRIPTION

FTBL No. 44 is located northeast of FTBL No. 024 (JTF 6 Oxidation Pond), east of the Biggs Army Air Field runway. The dates of operation of this aboveground, 20-acre rubble dump are not known, but dumping in this area stopped when the Army took over Biggs Field from the Air Force in 1962. The unit consists of numerous mounds of debris, possibly mixed with POL, dumped over a low area surrounding the berms of the oxidation pond. The site was considered NFAR when TNRCC issued the HSWA permit in July 1991

STATUS

RRSE RATING:

NE

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RC - 1990

FTBL-045 WASTE DRUM STORAGE AREA (MCGREGOR) (SWMU 22)

SITE DESCRIPTION

FTBL No. 045, located immediately east of the McGregor Former Fire Fighting Training Area (FTBL No. 032), was used as a storage area for 55-gallon drums containing waste oil, fuel, solvents, and other flammable liquids. These materials were used to ignite the jet fuselage and automobile bodies for fire fighting training exercises. This less than one acre, fenced area was used until 1983 and excess drums of liquid were removed in 1991.

The site is flat and is part of the buffer zone around the McGregor Range Camp. The Fort Bliss Master Plan shows that the future use of this site will remain a buffer (no training) zone. The site is bermed on the north side from the undeveloped land to the north. The vegetation is kept down by Post Engineers similar to the rest of the buffer areas around the camp. However, there is no sign of erosion on the site from either run-on or runoff. There is no surface water within 5 miles, except for the camp wastewater pond. Groundwater is not a problem because the regional aquifer is 480 feet deep at this point and has a TDS of 8,900 ppm and therefore is not considered a source of domestic drinking water.

A RFI conducted in 1991 indicated TPH contamination over 61,000 ppm. The state rejected the RFI because the contamination was not adequately defined. During a site visit by EPA/NMED on 12 October 1994, the regulators requested additional soil sampling to characterize the full extent of contamination, and details on the depth and water quality of the groundwater in the area so that a site closure determination could be made. In addition, NMED requested the removal of all soil with TPH concentrations over the state standard of 100 ppm. NMED added this site (along with the associated Fire Fighting Training Area, FTBL No. 032) onto the list of sites requiring RFIs under the RCRA Subpart X permit in December 1997.

A Phase II RI conducted in 1999 produced subsequent soil borings up to five feet and surface sampling that determined that present TPH levels are below state standards (100 ppm). A petition for NFA status for FTBL-045 was submitted, along with FTBL-032 and four other New Mexico sites, to NMED, in the September 2000. Risk Based closure is expected. The required 60-day Public Comment period for which Fort Bliss was responsible has been conducted with no unfavorable comments. To date there has been no response on the NFA Petition from NMED. The NFA Petition has been judged “administratively” complete by NMED who requested additional information of a technical nature. That request for “supplemental information” was responded to in September 2001.

At this point the NFA picture became very confused when NMED, on 14 January 2002, wrote a letter to Fort Bliss stating in part that “... these sites are capable of a NFA determination ...” but nothing further would be done on this matter until the Post gave in to their demands that Notices of Intent to Discharge were filed and Discharge Permits obtained from the State’s Ground Water Bureau. The Army’s Staff Judge Advocate officials have said that this request is not legal, nor authorized by Congress. In addition, the scientific evidence supports a finding of NFA. When Fort Bliss replied to NMED asserting this position, NMED eventually (10 March 2003) rejected the entire 6-site NFA petition. The 10 March 2003 letter went on to require very extensive additional investigation and improvements at the pond, not the least of which was the requirement for NOI and Discharge Permits. As of this writing, the whole matter lies with the legal department of the state of New Mexico and the Army.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

None

MEDIA OF CONCERN:

None

COMPLETED IRP PHASE:

PA/SI, RI

CURRENT IRP PHASE:

RC - 2000

FTBL-046 DRAINAGE DITCH NEAR BUILDING 1248 (SWMU 49)

SITE DESCRIPTION

FTBL No. 046 consists of shallow, unlined, vegetated ditches along the storm sewer system located in the main cantonment area. A particular ditch, 2-3 feet deep and about 6 feet wide, was used to drain runoff to a ponding area through the storm sewer system. Reportedly, oily waste from an old steam cleaner (Building 1248) was allowed to drain into this ditch prior to 1985. This building has since been removed and replaced with a Wash Area Building containing an oil/water separator. The site was considered NFA when TNRCC issued the HSWA permit in July 1991.

STATUS

RRSE RATING:

NE

CONTAMINANTS OF CONCERN:

POL, Solvents

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RC - 1990

FTBL-047 ILLEGAL DUMP SITE (ORO GRANDE) (SWMU 72)

SITE DESCRIPTION

FTBL No. 047, located at Oro Grande Range Camp, northwest of B-8643, is a small, approximately 400x400 feet depression. It was suspected of being an illegal dumping ground for all types of wastes, including suspected hazardous wastes. The area is generally flat with gentle sheet drainage to the west. The area is heavily vegetated and it shows no evidence of runoff or runoff. The only surface water within 5 miles is the range camp's oxidation pond. Groundwater is not a problem because the regional aquifer is 480 feet deep at this point and has a TDS of 8,900 ppm. It is not considered a source of domestic drinking water.

A preliminary inspection was inconclusive and the site required sampling of selected items and soils for hazardous waste determination and characterization, to determine releases of contaminants. Site visit by EPA/NMED on 12 October 1994 found the site to be scrap metal accumulation point. A complaint had been filed to DOE in the past regarding some drums that showed up in the area. The drums were removed and the area continued to be a scrap metal accumulation point. EPA/NMED stated that No Further Action was required, as only scrap metal had been deposited at this site. This NFA decision was formally incorporated into the post's NM permit in the spring of 2000 when FTBL-047 was added to Table A-2, Sites Requiring No Further Action, on the Annual Unit Audit from NMED.

STATUS

RRSE RATING:

NE

CONTAMINANTS OF CONCERN:

None

MEDIA OF CONCERN:

None

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RC - 2000

FTBL-049 BLDG 1116 SOIL REMEDIATION & DISPOSAL (SWMU 73)

SITE DESCRIPTION

FTBL-049, located at Bldg 1116 on the northwest corner of Aleshire Rd and Irwin Rd, is a past release from parts cleaning operation. When parts were removed from a solvent bath they were rinsed with water in a sink that was not connected to the post's sewerage collection system. Solvent waste from the sink located in the northwest corner of the bldg drained directly onto the ground beneath the bldg. The bldg is constructed on pier and beams about 2 to 2.5 ft above ground with a railroad spur line to the north and paved parking areas on the other 3 sides. Bldg 1116 is located on the main post section of Ft Bliss in an area containing many other warehouses. The site is flat and there is no evidence of surface runoff or runoff from the site. The area where the sink drained is very protected and difficult to get to, even through the crawl space under the bldg.

A PA with limited sampling was conducted in 1995 and indicated high metals levels in the soil. The site has been reported to the TNRCC under provisions of our RCRA permit. TNRCC has recommended a desktop review of the metals concentrations and comparisons with known background concentrations to determine if a release has actually occurred. The study has been completed and submitted to TNRCC, indicating that no release occurred. TNRCC accepted the report's conclusion of no release and the agency's few comments about the report were resolved. The sink in question has been removed and the floor patched with concrete. The bldg is now used for storage of non-hazardous equipment. A NFA risk based RRS 2 proposal was submitted to TNRCC in May 2000 and the site was closed by TNRCC by letter 5 Jul 2000. To avoid post closure care, TNRCC required a certified, recorded deed. The deed was submitted in Oct and the site officially closed in Dec 2000. Ft Bliss received "Acceptance of Deed Certification and Release from Post-Closure Care Responsibility" dated Dec 6, 2000.

STATUS

RRSE RATING:

High

CONTAMINANTS OF CONCERN:

Metals

MEDIA OF CONCERN:

Soil

COMPLETED IRP PHASE:

PA/SI, RI

CURRENT IRP PHASE:

RC - 2000

B-11636 BOP PONDS INVEST & REMED (SWMU 75) FTBL-050

SITE DESCRIPTION

FTBL-050, located east of Bldg 11636, was a 4-celled evaporation pond used to stabilize wastewater from the prison. A NOV was issued on 21 Jan 1993 for discharging without a permit. B-11636 was connected to an extension of the sewer system in Jan 1993. Sampling of the ponds, as directed by the state, revealed low levels of lead, DDT, DDE, DDD, and phthalates.

A July 9, 1993 TWC administrative order assessed a penalty and other remediation requirements, including sampling and monitoring. The penalty was dismissed however, after Ft Bliss furnished additional information on the site. TNRCC requested closure of the site in accordance with the risk reduction standards (TNRCC letter dated 31 Aug 1993). The soils were remediated in 1996 via low temperature thermal desorption and recycled back to the point of origin. Risk-based closure was then requested from the state under RRS2.

Site closure letter was received from TNRCC in Jul 1998, and required deed certification to avoid post closure care. The site was surveyed and the deed documentation created in Dec 2000. The deed was recorded with the County of El Paso and sent to TNRCC in Feb 2001. Ft Bliss received "Acceptance of Deed Certification and Release from Post-Closure Care Responsibility" dated Mar 14, 2001. This site was removed from the Texas permit in March 2003.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

Metals, Pesticides

MEDIA OF CONCERN:

Soil

COMPLETED IRP PHASE:

PA/SI, RI/FS, RD, RA

CURRENT IRP PHASE:

RC - 2001

FTBL-051 MEYER OXIDATION LAGOON (SWMU 76)

SITE DESCRIPTION

FTBL No. 051, located 1/2 mile west of Meyer Target Range in New Mexico, is used for the collection and evaporation of sanitary wastewater from the range. The unlined unit is a two-celled lagoon constructed in 1969 and covers a surface area of 4.17 acres. The range camp and pond were used primarily by the 3rd Armored Cavalry. In 1996, the 3rd Cavalry was reassigned from Ft. Bliss resulting in a decrease in wastewater flow at this site of approximately 80 percent.

The berm around both cells is intact and there is no history of overflow or breach of the berm. A small cottonwood and stand of reeds exist at the outflow of the intake pipe in the active cell and only sparse vegetation in the inactive cell. Unlike the other three ponds, the Meyer fence is a 6 foot high, chain link fence. Like the others, it has the normal signage warning that declare it is a wastewater pond. Outside the fence the surrounding area is generally flat with no sign of run-on or runoff from storm water. The regional aquifer is about 480 feet bgl in this area and has a TDS of 8,900 PPM. It is not considered a potential source of domestic drinking water.

No known petroleum constituents or solvent wastes have been disposed of in this unit. EPA/NMED listed the site in the HSWA portion of the Subpart X permit for the OD site. The HSWA permit requires that an RFI be conducted to determine if there has been a release of hazardous waste. RFI fieldwork was completed in 1998 and the RFI report has been submitted to NMED. NMED has not yet reviewed the document. A preliminary Ecological Risk screening was completed in CY 99 and the results showed that there are no completed pathways for ecological receptors. A review and evaluation of the existing data by Fort Bliss determined that there was sufficient hard science from all previous studies to support a conclusion that there has been no release above Human Health Screening levels at this site.

Based on that data, a petition of NFA for this site (as part of a larger multi-site petition) was submitted to NMED in September 2000. The required 60-day Public Comment period for which Fort Bliss was responsible has been conducted with no unfavorable comments. To date there has been no response on the NFA Petition from NMED. The NFA Petition has been judged "administratively" complete by NMED who requested additional information of a technical nature. That request for "supplemental information" was responded to in September 2001.

At this point the NFA picture became very confused when NMED, on 14 January 2002, wrote a letter to Fort Bliss stating in part that "... these sites are capable of a NFA determination ..." but nothing further would be done on this matter until the Post gave in to their demands that Notices of Intent to Discharge were filed and Discharge Permits obtained from the State's Ground Water Bureau. The Army's Staff Judge Advocate officials have said that this request is not legal, nor authorized by Congress. In addition, the scientific evidence supports a finding of NFA. When Fort Bliss replied to NMED asserting this position, NMED eventually (10 March 2003) rejected the entire 6-site NFA petition. The 10 March 2003 letter went on to require very extensive additional investigation and improvements at the pond, not the least of which was the requirement for NOI and Discharge Permits. As of this writing, the whole matter lies with the legal department of the state of New Mexico and the Army.

STATUS

RRSE RATING:

High

CONTAMINANTS OF CONCERN:

None

MEDIA OF CONCERN:

None

COMPLETED IRP PHASE:

PA/SI, RI

CURRENT IRP PHASE:

RC - 2000

FTBL-052 BUILDING 2469 UST SITE

SITE DESCRIPTION

FTBL No. 052 is located within a fenced THAAD missile launcher repair facility, bordered by Hinman Road on the west, Chaffee Road on the east, on the north by Stennis Street and on the south by Forrest Road. Four 5,000-gallon steel USTs were removed, two in 1992, both JP-8 and two in 1994 one, JP-8 and one mogas.

One of the JP-8 USTs was suspected to have leaked and therefore a NOV was received in November 1991. A 1994 RD investigation discovered a perched water table at a depth of 46 feet, and a monitoring network was installed in 1998. LNAPL appeared in a monitoring well in 1999. After a year of bailing, the thickness of product (~5ft.) was still too large to allow closure. Ft. Bliss installed one well product recovery system in August 2000, and expanded it to a second well in the summer of 2001. When the free product is removed to less than 0.1 feet thickness, Fort Bliss will apply for a risk-based closure.

This site is OMA funded. Continue operation of the product recovery system until the system output drops to less than a 0.1-foot thick level allowing a risk-based closure. A request for closure was submitted to TCEQ. This site is OMA funded and therefore closed under the IRP program.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI, RD, RA

CURRENT IRP PHASE:

RC - 1994

FTBL-053 BUILDING 9496 UST SITE

SITE DESCRIPTION

FTBL No. 053 is located at McGregor Range Camp near the intersection of Patriot Road and Roland Drive. The site is the location of a former AAFES retail gas station. The station had one 10,000-gallon steel mogas UST, two 5,000-gallon steel mogas USTs, and a 1,000-gallon used oil UST. All UST's were installed in 1987. The mogas tanks were removed in February 1994, and the used oil UST removed in May 1994. The site evaluation in March 1996, determined that contamination was below action levels. No further action is required.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI, RD, RA, RA(O)

CURRENT IRP PHASE:

RC - 1996

FTBL-054 BUILDING 2491 UST SITE

SITE DESCRIPTION

FTBL No. 054 is located within a fenced THAAD equipment repair facility similar to B-2469 (FTBL-052), but lies approximately 1,200 feet north of B-2469. This site formerly contained four 5,000-gallon steel USTs, three of which contained JP-8 and one contained gasoline. One of the JP-8 USTs failed a tightness test in October 1991 and Ft. Bliss received an NOV in November 1991. All four USTs were emptied and decommissioned, but were not removed until 1994. Data collected on soils in 1994 found TPH concentrations above TNRCC action levels down to a depth of 16 feet. The site is within 1,300 feet of water supply wells #10 and 7A (however neither of these wells has experienced a decrease in water quality). This site is listed with the TNRCC as LPST #100637. A risk-based closure investigation was conducted in 1998 and indicated that closure was possible. Upon receipt of the Fort Bliss request, TNRCC granted closure of the site October 1997.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI, RD, RA

CURRENT IRP PHASE:

RC - 1997

FTBL-055 BUILDING 9485 UST SITE

SITE DESCRIPTION

FTBL No. 055 is located on the southwest corner of McGregor Range Camp on the southwest corner of Ajax Street and Roland Drive intersection. The site is operational and is situated within a fenced maintenance and POL yard. Approximately 150 feet west of B-9485 are seven fiberglass USTs. Six of these are 20,000-gallon diesel (JP-8), and one is a 15,000-gallon mogas tank. These fiberglass tanks and the fuel delivery line were installed in 1987. The area of concern, located in the northeast corner of the yard, consists of two pump islands where a mogas fuel pump supply line released an estimated 60-80 gallons of fuel in 1992. Samples were collected in 1992 and the extent of the contamination was determined in 1995. NMED reviewed the reports and determined by letter dated 27 March 1996 that no further action is required because the vertical extent of soil contamination is 40 ft and groundwater is at 400 ft below ground level.

STATUS

RRSE RATING:

High

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI, RD, RA, RA(O)

CURRENT IRP PHASE:

RC - 1996

FTBL-056 BUILDING 675 UST SITE

SITE DESCRIPTION

FTBL No. 056 is located near the corner of Taylor and Stockton St. on Fort Bliss. The site was constructed in 1950 and remained in service until 1984. Three 10,000-gallon gasoline fuel tanks were removed in 1991 by CESWF. Contaminated soil was discovered at that time however, no funds were available to continue excavation, and so the pit was lined with plastic and filled with clean soil. A 500 gallon used oil tank was abandoned in place in August 1994 because the removal would have threatened the building's foundation. Contaminated soil was also discovered adjacent to this UST. A bioventing pilot was operated for one year (April 96-97) in the tank pit area as part of an USAEC experimental technology initiative. Biovent wells encountered perched groundwater at ~40 ft. Subsequently groundwater was monitored and sampled for one year to determine if hydrocarbon levels were stable or declining. A report of the results and a request for site closure was submitted to TNRCC in April 1999. TNRCC responded with a request for additional soil analytical data. The data was collected in December 2000 and another risk-based closure request was prepared and submitted in April 2001. TNRCC's acceptance letter and granting of closure on this site was dated 1 November 2001.

STATUS

RRSE RATING:

Medium

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI, RD, RA

CURRENT IRP PHASE:

RC - 2001

FTBL-057 BUILDING 4115 UST SITE

SITE DESCRIPTION

FTBL No. 057 is located immediately east of U.S. Highway 54 and south of Conzelman Avenue. The site is the location of a former AAFES retail gas station. The station had two 10,000-gallon steel mogas USTs, and a 600-gallon UST whose contents were not specified. All USTs were installed in 1965. All three tanks were removed in February 1991. Soil samples were collected and results revealed TPH contamination above the action level for gasoline, and BTEX contamination as high as 162 ppm. A risk-based investigation was conducted in 1998 and a closure request was submitted to the TNRCC in April 1998 and accepted in May of that same year.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI, RD, RA

CURRENT IRP PHASE:

RC - 1999

FTBL-058 BUILDING 11041 UST SITE

SITE DESCRIPTION

FTBL No. 058 is located at the intersection of MSG R. Miller and Randolph Streets at Biggs Army Air Field. This site was constructed in 1943 and operated until 1988. The site had one 12,000-gallon diesel (JP-8) tank and one 10,000-gallon gasoline tank. Soil borings revealed contamination of the soil, although the tanks had passed tightness testing. It is suspected that the contamination was due to periodic overfilling of the tanks while the site was in operation. The tanks were removed (OMA fund); however further site investigations were required to determine the extent of contamination. Listed as LPST (#109908) by the TNRCC. A risk-based closure investigation was conducted in 1998 and a closure request was submitted to the TNRCC in October 1998. In Jan 2002, the request was finally reviewed by TCEQ and returned as deficient. A revised report was submitted in Sept 2003. TCEQ issued a closure letter on March 12, 2004.

The site remediation is funded by OMA funds and is considered closed under the IRP.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI, RD, RA

CURRENT IRP PHASE:

RC - 1998

FTBL-059 BUILDING 11107 UST SITE

SITE DESCRIPTION

FTBL No. 059 is located north of Slewitzke Street approximately 2,100 feet northwest of well #1 at Biggs Army Air Field. The site has one 300-gallon gasoline tank installed in 1983 used to fuel the Biggs tower emergency generator. The tank was removed in July 1996 and the soil contamination was below action levels. No further action is required.

STATUS

RRSE RATING:

NE

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RC - 1996

FTBL-060 BUILDING 5898 UST

SITE DESCRIPTION

FTBL No. 060 is located approximately 500 ft southeast of the intersection of Chaffee and Jeb Stuart Rd. on Fort Bliss. The site was constructed in 1967 and consisted of one 800-gallon heating oil tank. The tank has not been in use since 1980 when the boiler was switched over to operate permanently on natural gas. The tank was removed in April 1994. Soil samples at the time of removal revealed TPH contamination that was above action levels. Listed as LPST (#109909) by the TNRCC. A risk-based closure investigation was conducted in 1998 and found that TPH levels had been reduced sufficiently to close under the Texas UST risk-based criteria. A closure request was submitted to the TNRCC in October 1998. A closure letter was received from TNRCC on 6 July 1999.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI, RD, RA

CURRENT IRP PHASE:

RC - 1999

FTBL-061 BUILDING 8172 UST SITE

SITE DESCRIPTION

FTBL No. 061 is located at the Dona Ana Range Camp in New Mexico in the southwest motor pool. The site was constructed in 1968 and was used until 1985 when the motor pool underwent renovation. The 500 gallon used oil tank was discovered during an underground tank survey of the facility in 1993. The tank was removed in June 1994. Soil samples at the time of removal revealed TPH contamination that was above action levels. The site is only 1,200 feet from the Dona Ana Camp water supply well, however the well has shown no decrease in water quality. A risk-based closure investigation was conducted in 1999 and a closure request was submitted to the NMED in September 1999. A response from NMED has yet to be received.

The site remediation is funded by OMA funds and is considered closed under the IRP.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI, RD, RA

CURRENT IRP PHASE:

RC - 1999

FTBL-062 BUILDING 56 UST SITE

SITE DESCRIPTION

FTBL No. 062 is located near the corner of Chaffee and Custer Rd on Fort Bliss. The tank was installed in 1956 and consisted of one 500-gallon heating oil tank. The tank has not been in use since 1980 when the boiler was switched over to operate permanently on natural gas. The tank was removed in September 1994. Soil samples at the time of removal revealed TPH contamination that was above action levels. The site is listed as LPST (#111852) site by the TNRCC. A further site investigation was required to determine the extent of contamination to assess closure under state regulation. A risk-based closure investigation was conducted in 1998 and found that TPH levels had been reduced sufficiently to close under the Texas UST risk based criteria. A closure request was submitted to the TNRCC in April of 1998. The TNRCC requested additional samples and analytical data in October of 1998. After these were supplied, TNRCC issued a closure letter in December 1999.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI, RD, RA

CURRENT IRP PHASE:

RC - 1999

FTBL-063 BUILDING 6957 UST SITE

SITE DESCRIPTION

FTBL No. 063 is located at the radar test facility just north of Montana Avenue. The site had one 150-gallon diesel tank installed in 1969 used to fuel the radar test facility. The tank was removed in February 1995. Soil samples collected at the time of removal revealed that TPH contamination at the site did not exceed the action level of 500 ppm for diesel. No further action is required.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RC - 1996

FTBL-064 BUILDING 2427 UST SITE

SITE DESCRIPTION

FTBL No. 064 is located approximately 500 feet south of the intersection of Carrington and Ball Streets on Fort Bliss. The site is the location of a former motor pool that had four 5,000-gallon steel USTs. All USTs were installed in 1953. Two tanks were removed in November 1992, and the two remaining tanks were removed in June 1995. Soil samples at the time of removal revealed TPH contamination that was above action levels. LPST #94865 was assigned to the site. A risk-based closure investigation was conducted in March 1996 and found that TPH levels had been reduced sufficiently to close under the Texas UST risk-based criteria. TNRCC has indicated no further action is required.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RC - 1996

FTBL-065 BUILDING 2990 UST SITE

SITE DESCRIPTION

FTBL No. 065 is located near the intersection of Hann Rd and Cramer St, and was managed by the 3rd ACR. This facility with multiple tanks had been in operation since 1968 and was closed in 1993. One 10,000-gallon UST containing JP-8 was discovered to be leaking in October 1993. BTEX and TPH in soil were found to exceed state standards. The tank was shut down and contaminated soil removed in March 1998. No further action is required.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI/FS, RD, RA

CURRENT IRP PHASE:

RC - 1998

FTBL-066 BUILDING 11603 UST SITE

SITE DESCRIPTION

FTBL No. 066 is located near the JTF6 site approximately 2,200 feet north of Baker's Well on Biggs Army Airfield. The USTs were installed in 1973 and consisted of one 1,000-gallon tank and one 300-gallon tank. The 300-gallon tank was removed in 1978, and the 1000-gallon tank was removed in 1991. Airfield files indicate a large release occurred from the UST and the fuel saturated soils never removed. A 1000-gallon generator fuel supply AST presently exists over the former UST pit. A risk-based closure investigation was conducted in 1998 and found that TPH levels had been reduced sufficiently to close under the Texas UST risk-based criteria. A closure request was submitted to the TNRCC in September 1998. The TNRCC approval letter granting closure has yet to be received.

The site remediation is funded by OMA funds and is considered closed under the IRP.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RA

CURRENT IRP PHASE:

RC - 1998

FTBL-067 BUILDING 11283 UST SITE

SITE DESCRIPTION

FTBL No. 067 is located approximately 200 ft west of the intersection of Sgt. C. Thomas and Short Streets on Biggs Army Airfield. The site was constructed in 1950 and consisted of one 2,000 gallon used oil tank and three 5,000-gallon gasoline tanks. The gasoline tanks were removed in April 1991 (OMA). The used oil tank has not been in use since 1986 when the new service station was constructed to replace this site. The used oil tank was removed in September 1994. Soil samples at the time of removal revealed TPH concentrations above state action levels. A risk-based closure investigation was conducted in 1998 and found that TPH levels had been reduced sufficiently to close under the Texas UST risk-based criteria. A closure request was submitted to the TNRCC in October 1998. The TNRCC approval letter granting closure has yet to be received.

The site remediation is funded by OMA funds and is considered closed under the IRP.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI/FS, RD, RA

CURRENT IRP PHASE:

RC - 1998

FTBL-068 BUILDING 3699 UST SITE

SITE DESCRIPTION

FTBL No. 068 is located approximately 6,500-feet south of the active Ft. Bliss Sanitary Landfill. The site consists of two USTs adjacent to a well pump house. A 300-gallon tank was installed in 1983 and was removed in September 1995. A 500-gallon tank was installed in 1990, which was then replaced with an AST in January 1996. The tanks were used to fuel the emergency generator for the well pump for municipal well #13 located just 30-feet from the tanks. Analytical results of soil test taken in May of 1996 indicate no contamination above action levels. A report was submitted to the TCEQ in June 2000. It was reviewed in Jan 2002 and rejected because it lacked BTEX analysis. The data was collected via a borehole and a revised report was submitted in September 2003.

STATUS

RRSE RATING:

NE

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RC - 1996

FTBL-069 BUILDING 5 UST SITE

SITE DESCRIPTION

FTBL No. 069 is located off of Slater Rd approximately 400 ft north of Carter Rd on Fort Bliss. The site was constructed in 1912 and operated as a gas station until 1932. The building was later converted into a storage facility. The number and size of storage tanks for the gas station are not known. A 150-gallon fuel oil tank was found and removed in September 1994, apparently forgotten when the building was converted. Soil samples collected during fuel oil tank removal revealed TPH concentrations above action levels. LPST #109912 was assigned to this site. A risk-based closure investigation was conducted in 1998 and found that TPH levels had been reduced sufficiently to close under the Texas UST risk-based criteria. A closure request was submitted to the TNRCC in April 1998. Closure was granted by TNRCC in August 1998. No further action is required.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI/FS, RD, RA

CURRENT IRP PHASE:

RC - 1998

FTBL-070 TRANSMOUNTAIN BURIED DRUM SITE

SITE DESCRIPTION

FTBL-70 is located in the closed Castner Firing Range complex approximately 2,000-feet north of Trans-Mountain Road (TX Highway 375). The site sits on an alluvial fan adjacent to the east side of the Franklin Mountains. In addition, the release site is approximately 3,000 feet from the Wilderness Park Museum and Border Patrol Museum. The site is located on the groundwater recharge area for El Paso's sole source aquifer, the Hueco Bolson. After a site inspection, the Texas Natural Resource Conservation Commission (TNRCC) issued a Notice of Violation on June 30, 1995 for the release of a tar-like material from drums, some partially exposed at the surface.

The site covers approximately 5 acres and contained concrete slabs, asphalt pavement, piles of concrete and metal debris, piles of asphalt pavement material, and buried asphaltic tar material. The central feature of this site and the focus of interim restoration was a central pit approximately 230 x 10 x 12 ft wide at the top that contained asphaltic tar material. Additionally, there was a surface flow of asphalt (originating from the pit). Phase I Interim Clean Up activities conducted geophysical surveys (side-looking radar, magnetometer, and electric conductivity surveys) plus backhoe trenching at the site to confirm the trench location. Borings conducted across the site encountered granite bedrock at an average depth of 21 feet below ground surface. As an IRA in the summer of 1999, the installation installed site fencing on the north and portions of the west range boundary.

A larger than expected FY 01 IRP budget for the post allowed Fort Bliss to perform a complete removal action at this site.

(Note: the concrete slabs erected by the US Army Corps of Engineers will be left as historical evidence of the usage of the site.)

The Affected Property Assessment Report (APAR) was submitted to TNRCC in September 2001 and the Response Action Completion Report (RACR) in November 2001. A closure letter was received from TCEQ on Dec 31, 2002.

STATUS

RRSE RATING:

High

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil

COMPLETED IRP PHASE:

PA/SI, RI/FS, RD, RA

CURRENT IRP PHASE:

RC - 2001

FTBL-071 MEDICAL/CAVALRY DUMP

SITE DESCRIPTION

FTBL-071 is a 96-acre dump located adjacent to and east of Sanitary Landfill Road, about one-half mile north of its intersection with Fred Wilson Drive. Apparently the area was used as a burning dump in the 1930s through the 1950s, primarily for medical waste and horse cavalry material. The potential wastes at this dump include biological/infectious waste, solvents/organic compounds, radiological wastes, UXO, asbestos-containing material, PCBs and heavy metals. Archeological material is also present. The site was investigated to a limited extent when a rail deployment facility was considered for the site. Based on the preliminary sampling results and the evidence of age of material determined by the Fort Bliss DOE archeological team, TNRCC concluded that no further action was required at the site.

STATUS

RRSE RATING:

High

CONTAMINANTS OF CONCERN:

Biological, Radiological, Solvents, VOCs, UXO, Asbestos, PCBs, Metals

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RC - 1996

FTBL-072 CASTNER OB/OD PIT B-1

SITE DESCRIPTION

FTBL-072 is a former open burning/open detonation (OB/OD) pit located at the northernmost boundary of the former Castner Range. The exact dates of use are not known but would match the use of Castner Range, 1926 to 1967. This pit was used as a "Burn Kettle" or "Burn Pit" exclusively for the destruction of small arms ammunition. The center of the site, which sits on the side of an arroyo that runs east out of the Franklin Mountains, was a small concrete pit, 5 x 10 ft with 2 ft. high walls open on one side. The site is located in the groundwater recharge area for the Hueco Bolson, which is used by Fort Bliss, El Paso and Juarez, Mexico. City Water Supply Well #52 is 1,000 feet east of the site and a residential area is 2,000 feet to the north and east. The site is covered with the grasses and small shrubs typical for the area. The vegetation shows no sign of distress. The run-off from rain in the area is to the arroyo immediately north of this site. The north boundary fence for Castner Range protects the site but trespassing by the public is a possibility.

A RI/FS for this site was conducted in the spring of 2000 and soil samples were taken at surface, near surface and down to 2 feet below the ground level. Lead concentrations were discovered in the near surface soil. One detection of lead in the near surface soils downhill from the site was 12,100 mg/kg. Soils below and above that location were much less. From the sampling grid it appeared that lead contamination from "blow out" at the pit was distributed in the near soil, +/- 6 to 12 inches, in a cloverleaf pattern around the pit. This pattern is typical of the open burning of small arms ammunition, which would rupture the casing and expel the lead cartridge away from the pit.

A larger than expected FY 01 IRP budget for the post allowed Fort Bliss to perform a complete removal action at this site.

The Affected Property Assessment Report (APAR) was submitted to TNRCC in May 2001 and the Response Action Completion Report (RACR) in November 2001. A closure letter was received from TCEQ on Jan 10, 2003.

STATUS

RRSE RATING:

High

CONTAMINANTS OF CONCERN:

Lead

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI/FS, RD, RA

CURRENT IRP PHASE:

RC - 2001

FTBL-074 NORTH HILLS RESERVOIR FUDS SITE

SITE DESCRIPTION

FTBL-074, the North Hills Reservoir site, is a parcel of land several tens-of-acres in size adjacent to the north boundary of the former Castner Range owned by the City of El Paso. Unexploded ordnance was present on the surface at the site and explosives related contamination might also be present. A UXO survey was undertaken to characterize the nature and extent of UXO materials present at this site and was followed by an operation to clear this area in 1998. FTBL-074 is not considered a SWMU and was only listed as a DERA site due to the presence of UXO. When the site was cleared of UXO and turned over to the City of El Paso to construct a water tank farm, it was considered "closed" in the AEDB-R database.

STATUS

RRSE RATING:

NE

CONTAMINANTS OF CONCERN:

UXO

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA

CURRENT IRP PHASE:

RC - 1996

FTBL-075 BUILDING 1177 PCB DUMP SITE

SITE DESCRIPTION

FTBL-075 is a suspected PCB dumpsite that was found during a DOE inspection of an electrical shop in 1974. DOE found some old notes on-site that stated that approximately 30 gallons of polychlorinated biphenyl (PCB) contaminated oil was dumped near the electrical shop (Building 1177) with a time frame that could only be narrowed down to between the years 1966 and 1970. On 7 June 1994, DOE notified the EPA. The dumpsite was reported to be located west of an electrical shop (B-1177) and measures about 140 x 80 feet. The site is now a gravel parking lot. Records from DPWL Fort Bliss show that Bldg. 1177 was built in May 1941, with the parking lot as part of the original construction.

EPA verbally directed Fort Bliss to investigate the site by September 1996. The Fort Worth COE has conducted a site investigation, with OMA funds, in October 1996, to identify contaminants and conduct a RRSE. Patterns of 18 soil borings (plus one background boring) were made to 10 feet below the ground surface. Soil samples were taken at the surface, 6 in. to 2 ft., 2 ft. to 6 ft., and 6 ft. to 10 ft. The samples were tested for VOCs, SVOCs, pesticides, herbicides, and PCB. Contamination from PCBs and pesticides in low concentrations were detected in the subsurface. DDE (in 7 of 18 samples) and DDT (in 9 of 18 samples) were detected in the soil samples, but at levels much less (one 4,4-DDE at 2.2 mg/kg and the rest at 0.0X mg/kg) than EPA or TNRCC screening levels for Commercial/Industrial soils. PCB-1260 was detected (in 7 of 18 samples) at very low levels in the sampling grid. Of the seven detections of PCB-1260 five were less than the Toxic Substances Control Act (TSCA) and 40 CFR 761 screening levels (0.93 mg/Kg), which the EPA uses to regulate recent (not historical) PCB spills. The two samples of PCB-1260 above 0.93 mg/Kg were one of 2.0 mg/Kg in the 6 in. to 2 ft. level and a second of 1.43 mg/Kg in the 2 ft. to 6 ft. level.

Based on the results of the Fort Worth COE investigation ([Site Summary Report Investigation of Parking Lot West of Building 1177 for Potential PCB Contamination](#), dated March 2001) Fort Bliss and the Fort Worth COE feels that the site can be closed under a 30 TAC 335 Subchapter S (Risk Reduction Rules), RRS 2, risk-based criteria. The closure request (APAR) submitted in November 2001.

TNRCC agreed with the risk based closure, the site was deed recorded and closed in May 2003.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

PCBs, SVOCs

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI

CURRENT IRP PHASE:

RC - 2001

FTBL-076 CASTNER RECREATION AREA DUMP SITE

SITE DESCRIPTION

FTBL-076 is a non-contiguous 55-acre parcel of the former Castner Range. The Corps of Engineers noted illegal trash dumping during a real estate appraisal in March 1996. Dumped materials included septic waste, construction/demolition debris, furniture, glass, plastic, lubricating grease, and wood. Access to the area is restricted, but trespassing frequently occurs. Limited sampling has been conducted to characterize the nature and extent of dumping at this site and to determine if hazardous materials have been released to the environment. The trash was removed by Fort Bliss and follow-up sampling by CESWF indicated no release had occurred. The site has been characterized as simply an illegal dumpsite and considered closed.

STATUS

RRSE RATING:

Medium

CONTAMINANTS OF CONCERN:

POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RC - 1997

FTBL-077 SOUTH OIL PITS - SANITARY LANDFILL NO. 2

SITE DESCRIPTION

FTBL No. 077 is located southeast of closed Landfill No. 2 (FTBL No. 2), and due south of the Inactive Oil Pits (FTBL-031). The south disposal pits were not investigated as part of the FTBL-031s remediation project. The period of operation of the oil pits was from 1954 to 1974. It was suspected that the south pits were also used for disposal of POL and other materials similar to those deposited in FTBL-031. However, sampling was conducted in August of 1996 with no evidence of a significant release detected. The site was not included in TNRCC's list of sites added in July 1991 to the Fort Bliss permit, and is considered closed by the agency. The sampling results of 1996 did not indicate that the "closed" status of the site needed to be changed.

STATUS

RRSE RATING:

NE

CONTAMINANTS OF CONCERN:

PCBs, Lead, TCE, POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI

CURRENT IRP PHASE:

RC - 1996

SITE DESCRIPTION

FTBL-078 is located in New Mexico west of McGregor Range Camp. This 150-acre site was one of the first missile launch locations on Ft Bliss. The camp is believed to have operated from before WWII to the early 1960s and probably included training launches of the Nike missile system. The bldgs were removed in the 1960s, and all that remain are the bldg slabs and foundations and parts of the sewage collection system. Aspects of the sanitary waste handling systems of the camp remain, including surface debris and evidence that a very large wastewater-settling tank and lagoon at one time were also located at the site. There is evidence that boilers were in operation at the site. The site is used for training, but has re-vegetated fairly well. The land slopes gently from northwest to southeast and surface run-off is in a sheet drainage pattern. There is no significant run-on. There is no surface water within 5 miles of the site. Groundwater contamination is not considered a problem (depth to groundwater is approximately 350-ft). There are three groundwater production wells remaining at the site and one of them is still used occasionally to support training maneuvers. The one remaining active well is tested regularly and has shown no decrease in water quality.

A RFI was conducted at the site and extensive soil test taken in the areas suspected of having residual contamination. Soil tests were taken at the outlet pipe to the area of the old oxidation pond and in the manhole bottoms around the camp. Additional samples were taken in the trenches in the maintenance buildings which contained blackened sand. All test results proved to be below EPA Residential Soil Screening Levels. Groundwater samples showed no reduction in the drinking quality of the water and all test results were within standard NMED drinking water quality guidelines. A NFA petition was submitted on the Hueco Range Camp and sent to NMED in Sept 2000 along with 5 other New Mexico sites. The required 60-day Public Comment period for which Ft Bliss was responsible has been conducted with no unfavorable comments. To date there has been no response on the NFA Petition from NMED. The NFA Petition has been judged "administratively" complete by NMED who requested additional information of a technical nature. That request for "supplemental information" was responded to in Sept 2001.

At this point the NFA picture became very confused when NMED, on 14 Jan 2002, wrote a letter to Ft Bliss stating in part that "... these sites are capable of a NFA determination ..." but nothing further would be done on this matter until the Post gave in to their demands that Notices of Intent to Discharge were filed and Discharge Permits obtained from the state's Ground Water Bureau. The Army's Staff Judge Advocate officials have said that this request is not legal, nor authorized by Congress. In addition, the scientific evidence supports a finding of NFA. When Ft Bliss replied to NMED asserting this position, NMED eventually (10 Mar 2003) rejected the entire 6-site NFA petition. The 10 Mar 2003 letter went on to require very extensive additional investigation and improvements at the pond, not the least of which was the requirement for NOI and Discharge Permits. As of this writing, the whole matter lies with the legal department of the state of New Mexico and the Army.

STATUS

RRSE RATING:

Medium

CONTAMINANTS OF CONCERN:

None

MEDIA OF CONCERN:

None

COMPLETED IRP PHASE:

PA/SI, RI

CURRENT IRP PHASE:

RC - 2000

FTBL-079 B2598 TRUCK WASH AREA

SITE DESCRIPTION

FTBL No. 079 comprises of a wash rack and surrounding area (less than 1 acre) at Building 2598. The site is located off of Fred Wilson Boulevard near the Landfill Road. This facility has been used for many years as a maintenance and staging area for subcontracted garbage collection service for Fort Bliss. The site consists of a concrete wash rack with sump for the wastewater storage. The sump has a pipe system that flows by gravity to a lift station and then by forces main to the municipal sanitary sewer. This site is located near FTBL-080 and an operating El Paso Water Utilities groundwater production well. To the east is a storm water retention pond. To the front is Fred Wilson Blvd and to the west and north the land is fairly flat, but the slope is slightly towards the main storm water retention area, FTBL-080.

The lift station is reported to have failed, causing wastewater to flow over the ground surface to the east and possibly into a storm water retention pond. Sampling was conducted in August of 1996, with evidence of pesticides detected at ground surface. The RFI soil-sampling results, however, were below TNRCC's screening levels for industrial/commercial standards. In August 2000, TNRCC was petitioned for a RRS2 risk-based closure, which was granted, provided the site was deed certified and recorded. The meets and bounds survey of the spill area and list of contaminants left in the ground has been completed and was submitted to TNRCC in September 2000. Agreement and closure letter by TNRCC was received in December 2000.

Truck washing is no longer permitted at the site (the waste hauling contractor's contract requires this to be done in the contractor's yard off-post). The site is now used to store extra, clean trash dumpsters.

STATUS

RRSE RATING:

Medium

CONTAMINANTS OF CONCERN:

PCBs, Lead, TCE, POL

MEDIA OF CONCERN:

Soil, Groundwater

COMPLETED IRP PHASE:

PA/SI, RI

CURRENT IRP PHASE:

RC - 2000

FTBL-080 OLD MESA WELL FIELD

SITE DESCRIPTION

FTBL-080 is part of the Old Mesa Well field built in the early 1900s. The Ft Bliss portion of this well field is located across Fred Wilson Blvd from the Post Cemetery. The rest of the old field, which contains upward to 50 wells, is now on property owned by the City of El Paso, the state of Texas (under Fred Wilson Road) and the railroad. The military portion of this site consists of approximately 20 former groundwater production wells that were operated by the City of El Paso from the early 1900s until the late 1920s. It is believed that most of the wells were never properly abandoned. The legal issue is who is responsible for closing and properly abandoning the wells at this site. The state of Texas' issue is that these wells need to be closed as quickly as possible.

An additional problem developed in 1950 when Ft Bliss constructed a storm water retention pond over some of these former wells. A study (White, 1981) of the regional aquifer determined that the groundwater had elevated nitrates in the vicinity of the site. This study further alleged that the open wells in this field were contributing to the increased nitrates by being direct pathways to the regional aquifer. TNRCC has expressed strong concern regarding the elevated nitrates in the groundwater in this area.

In the summer of 2000, Ft Bliss commissioned a study to determine the source of the elevated nitrates in the regional aquifer under the well field. Engineering and chemical analysis concluded that the nitrates are soluble compounds leached from nitrate bearing soils occurring naturally between the ground surface and the aquifer (480-ft. bgs). The study further concluded that, while the presence of the old well shafts certainly facilitates the transfer of water from the surface or subsurface areas; natural percolation throughout the whole northeast side of the city of El Paso also is a major factor.

Considering this new data, it was determined that previous military activities had not resulted in a release of hazardous (in this case nitrate) contaminants into the environment. With this determination, agreed to by Ft Bliss, TRADOC and USAEC, FTBL-080 no longer met the definition of site eligible for ER,A funding. Therefore the site was closed in AEDB-R and the files were turned over to the groundwater program manager with the Multi Media Branch of the Fort Bliss Directorate of Environment in Dec 2000. Similar to the other former ER,A sites that were eliminated from the program during IAP 2000 reviews, this site still required cleanup/closure, but that activity must be accomplished by using OMA funds. The Directorate of Environment began to properly abandon the wells on the site in the spring 2004 with site closure expected by the end on 2004.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

Nitrates

MEDIA OF CONCERN:

Groundwater

COMPLETED IRP PHASE:

PA/SI, RI

CURRENT IRP PHASE:

RC - 2000

FTBL-081 ORGAN MOUNTAIN STATION

SITE DESCRIPTION

FTBL-081 was discovered in Jan 1999. This site appears to be a former meteorological station and radio relay site located in a small meadow just below Organ Peak in the Organ Mountains (east of the city of Las Cruces, New Mexico). The exact date of operation of the site is unknown, but it is believed to have been set up in 1959 and closed in the early 1970s. The site elevation is approximately 8,500 ft above sea level. This site is within an area that has been declared an environmentally sensitive area by the Ft Bliss Environmental Directorate. The site is accessible by helicopter or by combination of four-wheel drive and foot (10 hours one way). This site is within Ft Bliss boundaries, which are marked with perimeter signage prohibiting access.

The Organ Mountain Site is approximately 50 x 100-ft in area and is heavily vegetated with original chaparral growth. There is no sign of stressed vegetation, disturbed areas or erosion. There is a small flat area where the helicopter landed (presumably this was how it was constructed), but everything else falls away quickly into steep slopes down the side of Organ Peak. Run-on of rain to the site is minimal because there are only two small hills higher than this site. Run-off has not created any significant gullies or erosion.

The site contains a small metal building, approximately 10 x 10 x 12-ft high, with an earthen floor. There are several antenna sites and extensive cabling going to and from the central area. A box with 5 lead acid batteries, an unregistered AST labeled "gas," a rack possibly used for either battery maintenance or for holding a generator. There is one small area, less than 100 square ft, that is devoid of all vegetation.

In July 2000, a team conducted a Relative Risk sampling, site survey and a preliminary archeological assessment. Targeted soil samples (around the battery box, under the rack, and under the AST, the floor of the hut) were analyzed for VOCs, SVOCs, PCBs, metals, pesticides and TPH. The initial results of the five surface soil samples detected zinc in two samples, and PCB and lead in one sample. These results indicated one area of contamination above EPA Region 6 residential soil screening level for lead, but all were below industrial levels.

In Sept 2001, the installation removed the batteries and the AST, 8 cubic feet of lead contaminated soil, collected additional surface soil samples, and conducted ecological risk screening. Over 2,000 lbs. of debris was airlifted from the site and disposed of in a Texas landfill. A Voluntary Corrective Action Report detailing the clean up was submitted to NMED in Jan 2002. To date, NMED has not responded with comments or a decision on the report.

After the approval of the VCAR, Ft Bliss will submit the site for NFA status in a multi-site package with the three range camp landfills. However, any action on this and all other New Mexico sites is tied up in the legal debater over discharge permits for the range ponds. Ft Bliss considers this site closed.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

Lead

MEDIA OF CONCERN:

Soil

COMPLETED IRP PHASE:

PA/SI, RA

CURRENT IRP PHASE:

RC - 2001

FTBL-082 BUILDING 7146 USTs, WBAMC

SITE DESCRIPTION

FTBL-082 was discovered in October 1999. It was a two-tank underground storage tank site located on the property of William Beaumont Army Medical Center (WBAMC), which is part of Fort Bliss. The tanks served as storage area for the # 2 heating oil that was the fuel source for heating water boilers. The boiler plant provided heat and steam to the World War Two era hospital complex from the 40s to 1985-86 when the boilers were permanently modified to accept natural gas as a fuel source. The Medical Center property is located on the east slopes of the Franklin Mountains in the City of El Paso, above and west of the main post of Fort Bliss. Due to the steep slope at the Power Plant, the fill line for the underground tanks was located about 25 feet above the plant at the top of a retaining wall. The area around the plant is paved but it also sloped to the east, following the general fall of the mountain. Directly below (within ¼ mile) of the leaking petroleum tanks is a new military housing complex. The plant area is scheduled in the Fort Bliss Master Plan, to receive additional military housing units.

A PA/SI was conducted in 1999 and found oil saturated soils down to 30 feet below the tanks. In December 2000, additional sampling revealed that fuel oil extends to 42 feet below ground surface. There is no groundwater under this site. The nearest well is 1.5 miles away in the valley floor where the depth to groundwater is 325 ft bgs. The demolition of the old power plant was completed in February 2002. A Phase II RI/FS was conducted to determine if there was a fuel plume extending towards the existing housing area and if so, the degree and extent of the TPH contamination.

In March 2002, an IRA was performed that removed both the concrete tanks and the soil under the tanks to a depth of 16 feet bgs. An APAR/RACR was produced after the IRA and second phase RI/FS requested closure under TRRP Standard A – residential.

The IRA and the results of the second phase RI/FS showed that the site could be closed under TCEQ UST regulations. TCEQ agreed with closure letter dated 28 March 2003.

STATUS

RRSE RATING:

Low

CONTAMINANTS OF CONCERN:

POL, PAH

MEDIA OF CONCERN:

Soil

COMPLETED IRP PHASE:

PA/SI, RI/FS

CURRENT IRP PHASE:

RC - 2002

PAST MILESTONES

Summary:

| | | |
|------|--------------|--|
| IREM | FY 89-98 | FTBL-019, 020, 024, 029, 034, 050 |
| RC | FY89-98 | FTBL-001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 017, 025, 033, 035, 042, 043, 044, 046, 047, 053, 054, 055, 057, 059, 063, 064, 065, 068, 069, 071, 074, 076, 077 |
| RC | FY99 | FTBL-039, 060, 062 |
| RA | FY90 | FTBL-018 |
| IRA | FY92 | FTBL-045 |
| IRA | FY93 | FTBL-017 |
| IRA | FY93, 94, 96 | FTBL-030 |
| REM | FY 00 | FTBL-014, 016, 022, 047, 080 (administrative closure) |
| RC | FY 00 | FTBL-017, 019, 024, 029, 031, 034, 037, 049, 079 |
| REM | FY 01 | FTBL-028, 070, 072, 081 |
| RC | FY 01 | FTBL-036, 056, 075 |

Past Milestones:

FTBL-015

October 1996 - Phase I RFI (Thompson)

October 1997 - Phase II RFI (Thompson)

December 2002 - Screening Ecological Risk Assessment (Weston), Voluntary Corrective Action Report
 2003 Phase 1 RFI: 15 soil sample locations, Phase 2 RFI: further investigated two areas; six soil sample locations, Phase 3 RFI: 13 soil sample locations, Screening Ecological Risk Assessment, Screening Ecological Risk Assessment, Voluntary Corrective Action Report to NMED

FTBL-011

Completion of fencing and signage

FTBL-021

July 1997 - RFI (Weston)

July 1998 - Subsurface Investigation (TTEMI)

July 2002 - Screening Ecological Risk Assessment (Vega)

April 2002 – Pond Sampling (Weston)

In Progress - Ecological Risk Assessment

RCRA Facility Investigation (Weston, 1997)

Subsurface Investigation (TetraTech, 1998)

Screening Eco Risk Assessment (Vega, 2002)

Ecological Risk Assessment Underway (September 2003)

FTBL-081

July, 2000 - Site Investigation conducted

September 2001 - Voluntary Corrective Action conducted. Sampling and Removal Actions conducted.

January 2002 - VCAR submitted to NMED.

2003, NMED Review of VCAR

FTBL-083

June 2002 UST Search and Initial Geophysical Survey (IT)

December 19 – 20, 2002 – Follow-up Geophysical Survey (Weston)

July 2003 – Intrusive investigation/removal of three suspected UST sites found, de-fueled and removed three 500-gallon UST (3 ft x 8.5 ft).

Found and abandoned in place, two 27,000-gallon USTs (10.5 ft x 40 ft)
Soil borings to verify lack of release at this and one future site. Results no hydrocarbons no groundwater to 47 feet below ground.
Closure and restoration of site.

FUTURE MILESTONES

FTBL-012, 013, 0073
RIP funded in FY05

NO FURTHER ACTION SITES

The following sites currently require no further action by the Installation Restoration Program:

Landfills / Rubble Pits (16):

FTBL-001 Active Sanitary Landfill No. 1
FTBL-002 Closed Sanitary Landfill No. 2
FTBL-003 Closed Rubble Landfill No. 3
FTBL-004 Closed Sanitary Landfills No. 4A & 4B
FTBL-005 Closed Sanitary Landfill No. 5
FTBL-006 Closed Disposal Area/Landfill No. 6
FTBL-007 Closed Sanitary Landfill No. 7
FTBL-008 Closed Disposal Area/Landfill No. 8
FTBL-009 Closed Disposal Area/Landfill No. 9
FTBL-010 Closed Landfill No. 10
FTBL-011 Dona Ana Range Sanitary Landfill No.11
FTBL-014 Oro Grande Rubble Pit/Landfill No. 14
FTBL-035 Active Rubble Pit No. 1
FTBL-043 Closed Rubble Pit No. 2
FTBL-044 Rubble Dump - Biggs Army Air Field
FTBL-71 Medical/Cavalry Dump

Oil Pits and POL Management Units (26):

FTBL-031 Closed Oil Pits at Sanitary Landfill No. 2
FTBL-038 Building 1378 UST Site
FTBL-039 Building 199 UST Site
FTBL-040 Building 1742 UST Site
FTBL-041 Building 11106 UST Site
FTBL-042 Building 9522 UST Site
FTBL-052 Building 2469 UST Site
FTBL-053 Building 9496 UST Site
FTBL-054 Building 2491 UST Site
FTBL-055 Building 9485 UST Site
FTBL-056 Building 675 UST Site
FTBL-057 Building 4115 UST Site
FTBL-058 Building 11041 UST Site

NO FURTHER ACTION SITES

FTBL-059 Building 11107 UST Site
FTBL-060 Building 5898 UST Site
FTBL-061 Building 8172 UST Site
FTBL-062 Building 56 UST Site
FTBL-063 Building 6957 UST Site
FTBL-064 Building 2427 UST Site
FTBL-065 Building 2990 UST Site
FTBL-066 Building 11603 UST Site
FTBL-067 Building 11283 UST Site
FTBL-068 Building 3699 UST Site
FTBL-069 Building 5 UST Site
FTBL-77 South Oil Pits - Sanitary Landfill No. 2
FTBL-082 Heating Oil UST – WBAMC Bldg. 7146

UXO/Open Detonation Areas (5):

FTBL-015 Closed Open Detonation Area (McGregor Range)
FTBL-016 Closed Dona Ana Range 41/Detonation Area
FTBL-030 Excess (Disposal of) Castner Range/SWMU 64
FTBL-072 Castner OB/OD Pit B-1
FTBL-074 North Hills Reservoir FUDS Site

Evaporation / Oxidation Ponds (6):

FTBL-021 McGregor Oxidation Lagoon (SWMU #19)
FTBL-022 Oro Grande Oxidation Lagoon
FTBL-023 Dona Ana Evaporation Pond
FTBL-024 Closed Oxidation Lagoon - JTF6
FTBL-050 Bldg. 11636-Bureau of Prisons Pond
FTBL-051 Meyer Range Oxidation Pond

Fire Fighting Training Areas (3):

FTBL-018 Closed Biggs New FFTA
FTBL-029 Closed Biggs Old FFTA
FTBL-032 McGregor FFTA

Storage and Accumulation Areas (4):

FTBL-019 Pesticide Mixing & Storage Area (Bldgs. 60-36 & 60-276)
FTBL-025 Active Hazardous Waste Storage & PCB Storage (Bldg. 11614)
FTBL-034 Herbicide Storage Building 11160
FTBL-045 Closed Waste Drum Storage Area (McGregor)

Illegal Dump Sites (10):

FTBL-017 Closed Raytheon Chromic Acid Pit
FTBL-028 Rubble Dump Spill Site (Near Site Monitor)
FTBL-036 UNICOR Dry Cleaning Remediation-Bldg. 2019
FTBL-037 McGregor Borrow Pit Drum Burial Site
FTBL-046 Closed Drainage Ditch Near Bldg. 124899
FTBL-047 Illegal Dump Site Oro Grande
FTBL-049 Bldg. 1116 Soil Remediation and Disposal

NO FURTHER ACTION SITES

FTBL-70 Trans Mountain Buried Drum Site
FTBL-075 Bldg. 1177 PCB Dump Site
FTBL-76 Castner Recreation Area Dump Site

Other (7):

FTBL-020 Inactive Pathological Incinerator
FTBL-033 Stormwater Impound Area/Drainage System
FTBL-078 Hueco Range Camp
FTBL-079 B2598 Truck Wash Area
FTBL-080 Old Mesa Well Field
FTBL-081 Organ Mountain Station
FTBL-083 Biggs AAF Blimp Base Fueling Facility

Fort Bliss IRP Schedule

(Based on current funding constraints)

| # | TITLE | PHASE | FY05 | FY06 | FY07 | FY08 | FY09 | FY10+ |
|----------|---|-------|------|------|------|------|------|-------|
| FTBL-012 | Rubble Pit Landfill 12 (Dona Ana) SWMU 27 | RA | | | | | | |
| FTBL-013 | Rubble Pit LF 13 (McGregor Range) SWMU 18 | RA | | | | | | |
| | | RA | | | | | | |
| FTBL-073 | Castner OB/OD Pit A-1 | RA | | | | | | |

Seventy-two of 81 IRP sites have been designated as ER,A response complete. Nine AEDB-R sites are currently in some phase of investigation with all nine of these ER,A funded in FY03. Identified for possible interim remedial actions is one site requiring removal of unexploded ordnance.

Past REM/IRA/RA/LTM:

- FTBL-011, fence, sign, summer 2003
- FTBL-017, Surface Soil Removed, Capped (1988); Monitoring Wells installed Jun 93; LTM initiated Jul 93
- FTBL-017, Three soil borings through clay cap to demonstrate that the site qualifies for Risk-Based Closure. LTM requirement discontinued in FY97
- FTBL-018, Drum Removals, 1987 & 1988
- FTBL - 19,29,31,34,50, and 24, completed soil remediation field activities
- FTBL-028, IRA to remove waste piles
- FTBL-030, IRA of UXO removal Closed Castner Firing Range, funded under MMRP, March 2004
- FTBL-036, RA to install concrete cap and closure report
- FTBL-037, Drum Removals, 1992
- FTBL-038, FTBL-040, FTBL-042, FTBL-048, LUST removals, 1994
- FTBL-045, Drum Removals, 1991
- FTBL-047, Drum Removals, 1991
- FTBL-056, Biovent pilot at B terminated. Results inconclusive
- FTBL-070, IRA to cleanup of buried tar and drums and affected soil
- FTBL-072, IRA to cleanup of affected soil
- FTBL-081, IRA to cleanup of military hardware and affected soil
- FTBL-082, IRA to remove the concrete tanks and bring in clean cover
- FTBL-083, Pull three 500 gal tanks and fill two ~25,000 gal tanks in place, Investigate and remove two tank pits under airfield, fall 2003

Current REM/IRA/LTM:

None

Future Remedial Actions (RA):

- FTBL-013, 15 acre cap, storm water drainage, fence, sign
- FTBL-030, RA to remove surface UXO from areas of Castner Range. Estimated cost to complete surface clearance is \$20M. UXO clearance to 2+ foot below surface is \$44M. Covered under the MMRP
- FTBL-012, FBTL-013, Capping and fencing of the landfills.
- FTBL-012, Stormwater drainage diversion

RESTORATION ADVISORY BOARD (RAB) STATUS

BACKGROUND

- To comply with DoD, DA and TRADOC requests, RAB information meetings were held on December 4th and 5th, 1996 at Fort Bliss and Las Cruces, New Mexico, respectively.
- Meeting notices were mailed to 160 individuals, placed in the El Paso, Las Cruces and Alamogordo newspapers. In addition, PAO submitted press releases to all local television and radio stations, and local newspapers including El Paso's Spanish language newspaper.

MEETING HIGHLIGHTS

- The RAB has added 2 new members this year, both representing the community at large. We have lost our RAB member from NMED (although she still comes to the meetings as an observer) due to the ongoing dispute with NMED. Meetings continue to be well attended by both RAB members and members of the public. The RAB has been very pleased with the increase in resources that have been given to Fort Bliss in FY 03.
- The RAB is especially pleased with the start of the UXO cleanup of Castner Range. Cleanup of Castner has consistently been the primary concern of both the RAB members and the public. At the request of the RAB, 1,000 feet of additional fencing was added, most of which was along upper Hondo Pass Street and a short section blocking the trail head to Whispering Springs, a popular hiking spot.
- The RAB has requested the replacement of some of original the large bi-lingual warning signs that have faded and if possible additional fencing along Martin Luther King Blvd. near the North Hills subdivision.

MEETING EFFECTIVENESS EVALUATION

- In general attendance by the RAB members has been good and many useful exchanges have taken place. The general El Paso public has gained greater confidence in the ability of the RAB to express the desires of the local community with the start of the UXO removal project. The Fort Bliss MMRP project of UXO removal at Castner Range has given the RAB greater status in the community as it is reviewed as RAB generated.
- The relationship between the military and the surrounding civilian communities as expressed at the RAB meetings is one of strong mutual trust.
- The Fort Bliss RAB was one of a select group of RABs picked nationwide to participate in an AEC/CHPPM's RAB evaluation.