

**FY2015**

**DUGWAY PROVING GROUND**

**Army Defense Environmental Restoration Program**

**Installation Action Plan**

Printed 21 December 2015

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## Statement of Purpose

The purpose of the Installation Action Plan (IAP) is to outline the total multiyear cleanup program for an installation. The plan identifies environmental cleanup requirements at each site or area of concern (AOC), and proposes a comprehensive, installation-wide approach, along with the costs and schedules associated with conducting investigations and taking the necessary remedial actions (RA).

In an effort to coordinate planning information between the restoration manager, the Installation Management Command (IMCOM) West, the US Army Environmental Command (USAEC), Dugway Proving Ground (DPG), the executing agencies, regulatory agencies, and the public, an IAP was completed. The IAP is used to track requirements, schedules, and tentative budgets for all major Army installation cleanup programs.

All site-specific funding and schedule information has been prepared according to projected overall Army funding levels and is, therefore, subject to change.

## Acronyms

3X	Decontamination Level (see DPG-009)
AAF	Army Airfield
ABP	Agent Breakdown Product
AEDB-R	Army Environmental Database - Restoration
AOC	Area of Concern
ATC	Avery Technical Center
ATEC	US Army Test and Evaluation Command
BLM	Bureau of Land Management
BRAC	Base Realignment and Closure
CAO	Corrective Action Objective
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
CG	mustard
CK	mustard
CMI	Corrective Measures Implementation
CMI(C)	Corrective Measures Implementation - Construction
CMIP	Corrective Measures Implementation Plan
CMIR	Corrective Measures Implementation Report
CMS	Corrective Measures Study
CS	2chlorobenzalmalononitrile
CWM	Chemical Warfare Munition
cy	cubic yards
DA	Department of Army
DD	Decision Document
DEP	Directorate of Environmental Programs
DERA	Defense Environmental Restoration Account
DES	Design
DIMP	Diisopropylmethylphosphonate
DoD	Department of Defense
DPG	Dugway Proving Ground
DRMO	Defense Reutilization and Marketing Office
DSHW	Division of Solid and Hazardous Waste
DTC	Ditto Technical Center
EOD	Explosive Ordnance Disposal
ER,A	Environmental Restoration, Army
FAR	Field Activity Report
FS	Feasibility Study
FUDS	Formerly Used Defense Sites
FY	Fiscal Year
GA	tabun
GB	sarin
GCL	Geosynthetic Clay Liner
GMA	Groundwater Management Area
H	mustard
HD	mustard
HE	mustard

## Acronyms

HT	mustard
HWMU	Hazardous Waste Management Unit
IAP	Installation Action Plan
IMA	Installation Management Agency
IMCOM	Installation Management Command
IRA	Interim Remedial Action
IRP	Installation Restoration Program
LTM	Long-Term Management
LUC	Land Use Control
MC	Munitions Constituent
MEC	Munitions and Explosives of Concern
mm	millimeter
MMRP	Military Munitions Response Program
MOU	Memorandum of Understanding
MRSPP	Munitions Response Site Prioritization Protocol
N/A	Not Applicable
NFA	No Further Action
NPL	National Priorities List
PAH	Polycyclic Aromatic Hydrocarbon
PBA	Performance-Based Acquisition
PBC	Performance-Based Contract
PCB	Polychlorinated Biphenyl
PCE	Perchloroethylene
POL	Petroleum, Oil and Lubricants
ppm	parts per million
PR	Preliminary Review
RA	Remedial Action
RAB	Restoration Advisory Board
RAD	radioactive or radiation dose
RC	Response Complete
RCRA	Resource Conservation and Recovery Act
RFA	RCRA Facility Assessment
RFI	RCRA facility investigation
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
RIP	Remedy-in-Place
ROD	Record of Decision
RRSE	Relative Risk Site Evaluation
SI	Site Inspection
STJUA	Southern Triangle Joint Use Area
STP	Sewage Treatment Plant
SVOC	Semi-Volatile Organic Compound
SWMU	Solid Waste Management Unit
TAPP	Technical Assistance for Public Participation
TCE	Trichloroethylene

## Acronyms

TDS	Total Dissolved Solids
TERC	Total Environmental Restoration Contract
TNT	Trinitrotoluene
TPH	Total Petroleum Hydrocarbons
TRC	Technical Review Committee
UDEQ	Utah Department of Environmental Quality
USACE	US Army Corps of Engineers
USAEC	US Army Environmental Command
USATHAMA	US Army Toxic and Hazardous Materials Agency
USEPA	US Environmental Protection Agency
UST	Underground Storage Tank
UXO	Unexploded Ordnance
VOC	Volatile Organic Compound
VX	Nerve Agent

# Installation Information

## Installation Locale

**Installation Size (Acreage):** 798000

**City:** Not applicable (N/A)

**County:** Tooele

**State:** Utah

## Other Locale Information

DPG is a government-owned and operated chemical, conventional, and biological weapons defense test facility comprised of approximately 798,000 acres. DPG is located in Tooele County, approximately 39 miles southwest of the town of Tooele, Utah.

## Installation Mission

The mission of the DPG is to provide testing and support for chemical and biological defense and related programs. DPG is the nation's designated chemical and biological Major Range and Test Facility Base.

## Lead Organization

IMCOM

## Lead Executing Agencies for Installation

US Army Corps of Engineers (USACE), Sacramento District

## Regulator Participation

### Federal

US Environmental Protection Agency (USEPA), Region 8, Federal Facilities Section

### State

Utah Department of Environmental Quality (UDEQ), Division of Solid and Hazardous Waste (DSHW); Resource Conservation and Recovery Act (RCRA) authority

## National Priorities List (NPL) Status

DUGWAY PROVING GROUND is not on the NPL

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

RAB established 200002

## Installation Program Summaries

### IRP

**Primary Contaminants of Concern:** Biological Material, Chemical weapon munitions (CWM)/Chemical agent, Explosives, Metals, Pesticides, Petroleum, Oil and Lubricants (POL), Polychlorinated Biphenyls (PCB), Polycyclic Aromatic Hydrocarbons (PAH), Radionuclides, Semi-volatiles (SVOC), Volatiles (VOC)

**Affected Media of Concern:** Groundwater, Soil

### MMRP

**Primary Contaminants of Concern:** Chemical weapon munitions (CWM)/Chemical agent, Munitions and explosives of concern (MEC), Munitions constituents (MC)

**Affected Media of Concern:** Groundwater, Soil



## 5-Year / Periodic Review Summary

### 5-Year / Periodic Review Summary

Status	Start Date	End Date	End FY
Underway	201207	201604	2016

### 5-Year / Periodic Review Details

Associated ROD/DD Name	Sites
DPG-002	DPG-002
DPG-043	DPG-043
DPG-061	DPG-061
Downrange Groundwater Monitoring Area -	DPG-002

## Land Use Control (LUC) Summary

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-002

**ROD/DD Title:** DPG-002

**Location of LUC**

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Landfill restriction - Prohibit activities that would impact the LF cap (or cover system) and drainage system, Landfill restriction - Prohibit excavation on LF cap or cover system, Landfill restriction - Prohibit installation of utility system lines through the site, Landfill restriction - Restrict access to the site, Landfill restriction - Restrict construction of buildings that may interfere with LF cap or cover system, Landfill restriction - Restrict plantings that interfere LF cap or cover system (roots that penetrate the cap or cover system), Landfill restriction - Restrict vehicular traffic, Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Fences, Markers, Signs

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 200303

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews, Markers

**Contaminants:** METALS, VOC

**Additional Information**

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-007

**ROD/DD Title:** DPG-007

**Location of LUC**

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Media specific - Prohibit activities that results in contact with contaminated sediments, Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Markers

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

## Land Use Control (LUC) Summary

**Date in Place:** 200308

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews, Markers

**Contaminants:** METALS, VOC

**Additional Information**

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-014

**ROD/DD Title:** DPG-014

**Location of LUC**

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Landfill restriction - Prohibit activities that would impact the LF cap (or cover system) and drainage system, Landfill restriction - Prohibit excavation on LF cap or cover system, Landfill restriction - Prohibit installation of utility system lines through the site, Landfill restriction - Restrict access to the site, Landfill restriction - Restrict construction of buildings that may interfere with LF cap or cover system, Landfill restriction - Restrict plantings that interfere LF cap or cover system (roots that penetrate the cap or cover system), Landfill restriction - Restrict vehicular traffic, Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Markers, Signs

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 200706

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews, Markers

**Contaminants:** METALS, VOC

**Additional Information**

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-021

## Land Use Control (LUC) Summary

**ROD/DD Title:** DPG-021

**Location of LUC**

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Landfill restriction - Prohibit activities that would impact the LF cap (or cover system) and drainage system, Landfill restriction - Prohibit excavation on LF cap or cover system, Landfill restriction - Prohibit installation of utility system lines through the site, Landfill restriction - Restrict access to the site, Landfill restriction - Restrict construction of buildings that may interfere with LF cap or cover system, Landfill restriction - Restrict plantings that interfere LF cap or cover system (roots that penetrate the cap or cover system), Landfill restriction - Restrict vehicular traffic, Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Markers, Signs

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 200702

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews, Markers

**Contaminants:** METALS, VOC

**Additional Information**

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-037

**ROD/DD Title:** DPG-037

**Location of LUC**

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Landfill restriction - Prohibit activities that would impact the LF cap (or cover system) and drainage system, Landfill restriction - Prohibit excavation on LF cap or cover system, Landfill restriction - Prohibit installation of utility system lines through the site, Landfill restriction - Restrict access to the site, Landfill restriction - Restrict construction of buildings that may interfere with LF cap or cover system, Landfill restriction - Restrict plantings that interfere LF cap or cover system (roots that penetrate the cap or cover system), Landfill restriction - Restrict vehicular traffic, Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

## Land Use Control (LUC) Summary

**Types of Engineering Controls:** Fences, Markers, Signs

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 200603

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews

**Contaminants:** METALS, VOC

**Additional Information**

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-038

**ROD/DD Title:** DPG-038

**Location of LUC**

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Markers

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 200411

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews

**Contaminants:** METALS, VOC

**Additional Information**

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-054

**ROD/DD Title:** DPG-054

**Location of LUC**

## Land Use Control (LUC) Summary

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Landfill restriction - Prohibit activities that would impact the LF cap (or cover system) and drainage system, Landfill restriction - Prohibit excavation on LF cap or cover system, Landfill restriction - Prohibit installation of utility system lines through the site, Landfill restriction - Restrict access to the site, Landfill restriction - Restrict construction of buildings that may interfere with LF cap or cover system, Landfill restriction - Restrict plantings that interfere LF cap or cover system (roots that penetrate the cap or cover system), Landfill restriction - Restrict vehicular traffic, Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Markers, Signs

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 200705

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** 5 Year Reviews, Markers

**Contaminants:** METALS

**Additional Information**

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-033

**ROD/DD Title:** DPG-033

**Location of LUC**

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Fences, Markers, Signs

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 200306

**Modification Date:** 200807

**Date Terminated:** 201003

## Land Use Control (LUC) Summary

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews, Markers

**Contaminants:** METALS, VOC

**Additional Information**

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-036

**ROD/DD Title:** DPG-036

**Location of LUC**

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Markers

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 200411

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews

**Contaminants:** METALS, VOC

**Additional Information**

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-039

**ROD/DD Title:** DPG-039

**Location of LUC**

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Landfill restriction - Prohibit activities that would impact the LF cap (or cover system) and drainage system, Landfill restriction - Prohibit excavation on LF cap or cover system, Landfill restriction - Prohibit installation of utility system lines through the site, Landfill restriction - Restrict access to the site, Landfill restriction - Restrict construction of buildings that may interfere with LF cap or cover system, Landfill restriction - Restrict plantings that interfere LF cap or cover system (roots that penetrate the cap or cover system), Landfill restriction - Restrict vehicular traffic, Media specific restriction - Prohibit

## Land Use Control (LUC) Summary

groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Fences, Markers, Signs

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 200710

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews

**Contaminants:** METALS, VOC

**Additional Information**

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-043

**ROD/DD Title:** DPG-043

**Location of LUC**

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Landfill restriction - Prohibit activities that would impact the LF cap (or cover system) and drainage system, Landfill restriction - Prohibit excavation on LF cap or cover system, Landfill restriction - Prohibit installation of utility system lines through the site, Landfill restriction - Restrict access to the site, Landfill restriction - Restrict construction of buildings that may interfere with LF cap or cover system, Landfill restriction - Restrict plantings that interfere LF cap or cover system (roots that penetrate the cap or cover system), Landfill restriction - Restrict vehicular traffic, Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Fences, Markers, Signs

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 200509

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent



## Land Use Control (LUC) Summary

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews

**Contaminants:** METALS, VOC

**Additional Information**

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-047

**ROD/DD Title:** DPG-047

**Location of LUC**

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Markers

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 200408

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews

**Contaminants:** METALS, VOC

**Additional Information**

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-048

**ROD/DD Title:** DPG-048

**Location of LUC**

FRIES PARK, fenced area, RCRA Consent Order site is being cleaned up under the PCB Mega Rule to 50 parts per million (ppm) with land use restrictions to industrial uses only. The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Landfill restriction - Restrict access to the site, Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s)

## Land Use Control (LUC) Summary

protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Fences, Markers

**Types of Institutional Controls:** Dig Permits, Notations in Master Plan, Restrictions on Groundwater Withdrawal, Restrictions on land use, Zoning

**Date in Place:** 200403

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Installation

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, ECAS, 5 Year Reviews, Other

**Contaminants:** ORGANICS, VOC

**Additional Information**

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-055

**ROD/DD Title:** DPG-055

**Location of LUC**

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Landfill restriction - Prohibit activities that would impact the LF cap (or cover system) and drainage system, Landfill restriction - Prohibit excavation on LF cap or cover system, Landfill restriction - Prohibit installation of utility system lines through the site, Landfill restriction - Restrict access to the site, Landfill restriction - Restrict construction of buildings that may interfere with LF cap or cover system, Landfill restriction - Restrict plantings that interfere LF cap or cover system (roots that penetrate the cap or cover system), Landfill restriction - Restrict vehicular traffic, Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Markers, Signs

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 200803

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews

**Contaminants:** METALS, VOC

**Additional Information**

## Land Use Control (LUC) Summary

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-056

**ROD/DD Title:** DPG-056

**Location of LUC**

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Landfill restriction - Prohibit activities that would impact the LF cap (or cover system) and drainage system, Landfill restriction - Prohibit excavation on LF cap or cover system, Landfill restriction - Prohibit installation of utility system lines through the site, Landfill restriction - Restrict access to the site, Landfill restriction - Restrict construction of buildings that may interfere with LF cap or cover system, Landfill restriction - Restrict plantings that interfere LF cap or cover system (roots that penetrate the cap or cover system), Landfill restriction - Restrict vehicular traffic, Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Markers, Signs

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 200703

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews, Markers

**Contaminants:** METALS, VOC

**Additional Information**

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-058

**ROD/DD Title:** DPG-058

**Location of LUC**

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Landfill restriction - Prohibit activities that would impact the LF cap (or cover system) and drainage system, Landfill restriction - Prohibit excavation on LF cap or cover system, Landfill restriction - Prohibit installation of utility system lines through the site, Landfill restriction - Restrict access to the site, Landfill restriction - Restrict construction of buildings that may interfere with LF cap or cover system, Landfill restriction - Restrict plantings that interfere LF cap or cover system (roots that penetrate the cap or cover system), Landfill restriction - Restrict vehicular traffic, Media specific restriction - Prohibit

## Land Use Control (LUC) Summary

groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Fences, Markers, Signs

**Types of Institutional Controls:** Dig Permits

**Date in Place:** 200804

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews

**Contaminants:** METALS, VOC

**Additional Information**

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-063

**ROD/DD Title:** DPG-063 leachfield

**Location of LUC**

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Markers, Signs

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 200409

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews

**Contaminants:** METALS, VOC

## Land Use Control (LUC) Summary

### Additional Information

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-090

**ROD/DD Title:** DPG-090

### Location of LUC

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Landfill restriction - Prohibit activities that would impact the LF cap (or cover system) and drainage system, Landfill restriction - Prohibit excavation on LF cap or cover system, Landfill restriction - Prohibit installation of utility system lines through the site, Landfill restriction - Restrict access to the site, Landfill restriction - Restrict construction of buildings that may interfere with LF cap or cover system, Landfill restriction - Restrict plantings that interfere LF cap or cover system (roots that penetrate the cap or cover system), Landfill restriction - Restrict vehicular traffic, Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Markers, Signs

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 200605

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews

**Contaminants:** METALS, VOC

### Additional Information

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-128

**ROD/DD Title:** DPG-128 Soils

### Location of LUC

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for

## Land Use Control (LUC) Summary

agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Fences, Markers, Signs

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 200409

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews

**Contaminants:** VOC

**Additional Information**

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-163

**ROD/DD Title:** DPG-163

**Location of LUC**

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Markers, Signs

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 200510

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews

**Contaminants:** METALS, VOC

**Additional Information**

N/A

**LUC Title:** DPG RCRA Part B Permit

## Land Use Control (LUC) Summary

**Site(s):** DPG-200

**ROD/DD Title:** DPG-200

**Location of LUC**

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Landfill restriction - Prohibit activities that would impact the LF cap (or cover system) and drainage system, Landfill restriction - Prohibit excavation on LF cap or cover system, Landfill restriction - Prohibit installation of utility system lines through the site, Landfill restriction - Restrict access to the site, Landfill restriction - Restrict construction of buildings that may interfere with LF cap or cover system, Landfill restriction - Restrict plantings that interfere LF cap or cover system (roots that penetrate the cap or cover system), Landfill restriction - Restrict vehicular traffic, Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Markers

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 200703

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews, Markers

**Contaminants:** METALS

**Additional Information**

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-201

**ROD/DD Title:** DPG-201

**Location of LUC**

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Fences, Markers, Signs

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 200708

## Land Use Control (LUC) Summary

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews, Markers

**Contaminants:** METALS, VOC

**Additional Information**

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-207

**ROD/DD Title:** DPG-207

**Location of LUC**

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Landfill restriction - Prohibit activities that would impact the LF cap (or cover system) and drainage system, Landfill restriction - Prohibit excavation on LF cap or cover system, Landfill restriction - Prohibit installation of utility system lines through the site, Landfill restriction - Restrict access to the site, Landfill restriction - Restrict construction of buildings that may interfere with LF cap or cover system, Landfill restriction - Restrict plantings that interfere LF cap or cover system (roots that penetrate the cap or cover system), Landfill restriction - Restrict vehicular traffic, Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Markers, Signs

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 200702

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews, Markers

**Contaminants:** METALS, VOC

**Additional Information**

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-213

**ROD/DD Title:** DPG-213



## Land Use Control (LUC) Summary

### Location of LUC

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Landfill restriction - Prohibit activities that would impact the LF cap (or cover system) and drainage system, Landfill restriction - Prohibit excavation on LF cap or cover system, Landfill restriction - Prohibit installation of utility system lines through the site, Landfill restriction - Restrict access to the site, Landfill restriction - Restrict construction of buildings that may interfere with LF cap or cover system, Landfill restriction - Restrict plantings that interfere LF cap or cover system (roots that penetrate the cap or cover system), Landfill restriction - Restrict vehicular traffic, Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Markers, Signs

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 200704

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews, Markers

**Contaminants:** METALS, VOC

### Additional Information

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-215

**ROD/DD Title:** DPG-215

### Location of LUC

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Landfill restriction - Prohibit activities that would impact the LF cap (or cover system) and drainage system, Landfill restriction - Prohibit excavation on LF cap or cover system, Landfill restriction - Prohibit installation of utility system lines through the site, Landfill restriction - Restrict access to the site, Landfill restriction - Restrict construction of buildings that may interfere with LF cap or cover system, Landfill restriction - Restrict plantings that interfere LF cap or cover system (roots that penetrate the cap or cover system), Landfill restriction - Restrict vehicular traffic, Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Markers, Signs

## Land Use Control (LUC) Summary

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 200702

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews, Markers

**Contaminants:** METALS, VOC

**Additional Information**

N/A

**LUC Title:** DPG RCRA Part B Permit

**Site(s):** DPG-194

**ROD/DD Title:** DPG-194

**Location of LUC**

The LUC for DPG is contained in the DPG Part B Permit enforceable under Utah Administrative Code R315.

**Land Use Restriction:** Landfill restriction - Prohibit activities that would impact the LF cap (or cover system) and drainage system, Landfill restriction - Prohibit excavation on LF cap or cover system, Landfill restriction - Prohibit installation of utility system lines through the site, Landfill restriction - Restrict access to the site, Landfill restriction - Restrict construction of buildings that may interfere with LF cap or cover system, Landfill restriction - Restrict plantings that interfere LF cap or cover system (roots that penetrate the cap or cover system), Landfill restriction - Restrict vehicular traffic, Media specific restriction - Prohibit groundwater extraction that interferes with Remedial Action system, Media specific restriction - Prohibit, or otherwise manage excavation, Media specific restriction - Prohibit, or otherwise manage excavation below a specified depth, Media specific restriction - prohibit use of groundwater for consumption or domestic purposes, Media specific restriction - restrict drinking water well installation, Media specific restriction - restrict withdrawal or use of groundwater for agricultural/irrigation purposes, Media specific restriction - restrict withdrawal or use of groundwater w/out treatment, Restrict land use - Mitigation area(s) protection, Restrict land use - No daycare/hospital/school use, Restrict land use - No residential use

**Types of Engineering Controls:** Markers, Signs

**Types of Institutional Controls:** Dig Permits, Restrictions on Groundwater Withdrawal, Restrictions on land use

**Date in Place:** 200703

**Modification Date:** 200807

**Date Terminated:** 201003

**Inspecting Organization:** Other Army Entity

**Record of LUC:** Master Plan or Equivalent

**Documentation Date:** 200807

**LUC Enforcement:** Annual Inspections, 5 Year Reviews, Markers

**Contaminants:** METALS

**Additional Information**

N/A

**LUC Title:** Drinking Water Wells

## Land Use Control (LUC) Summary

**Site(s):** DPG-051

**ROD/DD Title:** DPG-051

**Location of LUC**

DPG-051, SWMU 51 - Evaporation Pond, Near Ditto Tech Center (DTC)

**Land Use Restriction:** Media specific restriction - prohibit use of groundwater for consumption or domestic purposes

**Types of Engineering Controls:** None

**Types of Institutional Controls:** Deed Restrictions, Restrictions on Groundwater Withdrawal

**Date in Place:** 200907

**Modification Date:** N/A

**Date Terminated:** N/A

**Inspecting Organization:** State

**Record of LUC:** ECOP (Fed to Fed)

**Documentation Date:** 200709

**LUC Enforcement:** Annual Inspections, Other

**Contaminants:** METALS, VOC

**Additional Information**

N/A

# Cleanup Program Summary

## Installation Historic Activity

DPG was activated on March 1, 1942. Shortly thereafter, military weapons testing commenced under the technical division of the US Chemical Corps. From 1942 through 1947, chemical warfare facilities were established and special buildings (typical of enemy construction), caves, and fortification complexes were subjected to bombardment with incendiary and chemical munitions. Chemical munitions tested include phosgene mixtures, mustard mixtures, blood agents, nerve agents (VX), incapacitating agents, and smokes. In October 1943, biological warfare facilities were established at DPG. Numerous microorganisms were tested, including anthrax, plague, tularemia, human dysentery, tuberculosis, and a host of others.

DPG became inactive in January 1947 and was considered a post satellite of the Deseret Chemical Depot (formerly the Tooele Army Depot, South Area). In January 1951 the Chemical and the Biological Warfare Divisions were activated at DTC. On July 1, 1968 DPG was combined with the Deseret Test Center and on Oct. 11, 1973, it was assigned to the Commanding General, US Army Test and Evaluation Command (ATEC). In October 1999, DPG was assigned to the newly established Developmental Test Command under the ATEC.

During the periods from 1942 to 1945 and 1952 to 1956, thousands of munitions containing mustard (H, HD, HT) were tested at DPG. From 1945 to 1968 a minimum of 1,200 field trials employing 47,900 munitions or dissemination devices were conducted with nerve agents GB, chemical agent GA, and VX [US Army Toxic and Hazardous Materials Agency (USATHAMA), 1979]. Large-scale conventional munitions testing was conducted at the ranges until the late-1970s.

Under the command of the US Army Developmental Test Command, DPG has the assigned mission of planning, conducting tests, and evaluating chemical warfare systems, biological warfare vulnerability, and biological defense systems. The majority of testing, excluding range activities, occurs at or in the vicinity of the Avery Technical Center (ATC), the Baker Laboratory Complex, the Carr Laboratory Complex, or the DTC. Hazardous materials associated with these activities are handled and tested at chemical and biological test areas, and artillery, rocket, and explosives test ranges.

In fiscal year (FY)05, with the help of the USAEC and their consultants, DPG developed a strategy to meet the Department of Defense (DoD) remedy-in-place / response complete (RIP/RC) goal, using performance-based acquisition (PBA) contracts to obtain RIP/RC at all of the high relative risk site evaluation (RRSE) solid waste management units (SWMU) by FY07. By early FY06, the first of two PBA contracts was awarded to Shaw Environmental. The first contract included 22 Installation Restoration Program (IRP) sites. Later in FY06, DPG obtained a second PBA contract with Shaw to complete five additional sites.

In October 2006, the Dugway Garrison came under the command of the Installation Management Agency (IMA). This reorganization included DPG's Directorate of Environmental Programs (DEP) and the IRP Program Office. On Oct. 24, 2006 the Army activated the IMCOM as a single organization with six worldwide regional offices to manage US Army installations. The IMA Western Regional Office services DPG.

In FY08 DPG continued to progress toward completion of remediation activities with PBA and other contract means for the remaining active sites. Several sites that have achieved RC are now in post-closure with varying degrees of inspection and maintenance requirements.

In FY09 DPG continued groundwater management area (GMA) monitoring required by post closure agreements. Efforts were made to move into the area of post-closure for remediated sites. RCRA facility investigation (RFI) closure was achieved for DPG-014, -004 and -035.

In FY10 DPG continued groundwater monitoring. All but three sites have been moved into post-closure activities including appropriate operating permit modifications.

All fieldwork for PBAs I and II was completed or is underway. DPG site 204 had fieldwork delayed pending DSHW approval and will take place in FY14. AOC RCRA Part B Permit project is complete and approved by Utah DSHW. The initial periodic review of DPG-097 is in final document form and under DSHW review. The three remaining GMA area periodic reviews are in process with expected completion in FY14.

## Installation Program Cleanup Progress

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## Cleanup Program Summary

### IRP

**Prior Year Progress:** Field effort with small soil removal is planned for the 2015 season. All five-year GMA reviews are at the DSHW level with preliminary agreements for reducing groundwater monitoring.

**Future Plan of Action:** Design and remediation work is expected to conclude on DPG-011 within the next two years. DPG-011 is in the process of developing the safety and investigation plan outlining a path forward for site closure.

### MMRP

**Prior Year Progress:** The memorandum of understanding (MOU) and work plan to complete the Southern Triangle field effort is progressing. The MOU is with Bureau of Land Management (BLM) component for finalization.

**Future Plan of Action:** Future actions will be determined based on results of the remedial investigation/feasibility study (RI/FS).

**DUGWAY PROVING GROUND**  
**Army Defense Environmental Restoration Program**  
**Installation Restoration Program**

# IRP Summary

**Installation Total Army Environmental Database-Restoration (AEDB-R) Sites/Closeout Sites Count:** 206/172

## Installation Site Types with Future and/or Underway Phases

1	Burn Area (DPG-090)
1	Contaminated Fill (DPG-061)
4	Disposal Pit/Dry Well (DPG-192, DPG-194, DPG-197, DPG-200)
1	Drainage Ditch (DPG-003)
2	Explosive Ordnance Disposal Area (DPG-199, DPG-204)
16	Landfill (DPG-002, DPG-014, DPG-017, DPG-021, DPG-037, DPG-039, DPG-043, DPG-052, DPG-054, DPG-055, DPG-056, DPG-079, DPG-201, DPG-207, DPG-213, DPG-215)
1	Leach Field (DPG-097)
1	Pesticide Shop (DPG-128)
1	Radioactive Waste Area (DPG-011)
1	Sewage Treatment Plant (DPG-036)
1	Spill Site Area (DPG-038)
1	Storage Area (DPG-133)
1	Surface Disposal Area (DPG-006)
1	Surface Impoundment/Lagoon (DPG-058)
1	Waste Treatment Plant (DPG-044)

## Most Widespread Contaminants of Concern

Biological Material, Chemical weapon munitions (CWM)/Chemical agent, Explosives, Metals, Pesticides, Petroleum, Oil and Lubricants (POL), Polychlorinated Biphenyls (PCB), Polycyclic Aromatic Hydrocarbons (PAH), Radionuclides, Semi-volatiles (SVOC), Volatiles (VOC)

## Media of Concern

Groundwater, Soil

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

Site ID	Site Name	Action	Remedy	FY
DPG-002	SCRAP CONSTRUCTION FILL, N GRANITE PEAK	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1988
DPG-007	BRINE VATS, WEST OF GRANITE PEAK	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1988
DPG-009	STORAGE SITE 3X SCRAP MATERIAL	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1988
DPG-014	DISPOSAL SITES, JCT DOWNWIND & JULIET RD	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1988
DPG-033	OLD SEWAGE LAGOON, NORTH OF BAKER LAB	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1988

## IRP Summary

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

Site ID	Site Name	Action	Remedy	FY
DPG-036	IMHOFF TK/DRAINFIELD AT DITTO TECH CTR	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1988
DPG-038	DECON PAD, SOUTH OF DITTO TECH CENTER	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1988
DPG-040	FENCED STORAGE AREA @ AVERY FACILITY	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1988
DPG-051	EVAPORATION POND NEAR DTC	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1988
DPG-058	EVAPORATION POND @ CARR FACILITY	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1988
DPG-063	SEPTIC TANK/DRAINFIELD @ CARR FACILITY	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1988
DPG-158	EVAP POND NO OF MICHAEL AAF	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1990
DPG-017	AGENT DISPOSAL SITE @ S TOWER GRID	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1991
DPG-039	LANDFILL NORTH OF AVERY	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1992
DPG-042	CONTRACTOR LANDFILL NEAR ENGLISH VILLAGE	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1992
DPG-043	OLD LANDFILL FOR ENGLISH VILLAGE	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1992
DPG-090	BURNING AREA, EAST OF CARR FAC(EPIC-10E)	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1992
DPG-099	3X DISPOSAL AREA VIC E CAMELBACK MT	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1992
DPG-160	AIR FORCE PAD 777 LF #1	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1992
DPG-161	AIR FORCE PAD 777 LF #2	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1992
DPG-162	DECON PAD NO OF AVERY	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1992
DPG-163	FIRE TRAINING AREA	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1992
DPG-164	AVERY WASH RACK #1	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1992
DPG-165	AVERY WASH RACK #2	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1992
DPG-166	AVERY WASH RACK #3	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1992
DPG-167	CONT SOIL @ DITTO BLDG 4358	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1992
DPG-168	CAR WASH RACK	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1992
DPG-169	BAKER VEHICLE WASH RACK	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1992
DPG-170	STEAM CLEANING ENGLISH VILLAGE/STARK RD	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1992
DPG-174	STORAGE SHEDS AT BAKER	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1992
DPG-034	BOILER BLOWDOWN POND BAKER AREA	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1993



## IRP Summary

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

Site ID	Site Name	Action	Remedy	FY
DPG-065	LANDFILL (WHITE SAGE FLATS)	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1993
DPG-174	STORAGE SHEDS AT BAKER	IRA	OTHER	1993
DPG-001	SCRAP CONSTRUCTION MAT FILL FROM V-GRID	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994
DPG-013	DECON PAD, JCT DOWNWIND W & LIMA ROADS	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994
DPG-016	DECON PAD, JCT EAST DOWNWIND & HWY 102	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994
DPG-017	AGENT DISPOSAL SITE @ S TOWER GRID	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994
DPG-018	DISPOSAL SITE @ SE TOWER GRID	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994
DPG-019	DISPOSAL SITE @ NE TOWER GRID	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994
DPG-028	SURFACE WASTE DISPOSAL SITE (H GRID)	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994
DPG-040	FENCED STORAGE AREA @ AVERY FACILITY	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994
DPG-052	WASTE BURIAL SITES (EAST SE OF CARR)	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994
DPG-059	PAD 7/3X STORAGE AREA @ CARR FAC	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1994
DPG-101	WASTE DISPOSAL SITE(EAST OF WIG GRID)	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994
DPG-103	DECON PAD @ BLDG 9411, WEST GRANITE MTN	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994
DPG-104	DECON PAD, JCT TANGO/BURNS/VICTORY	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994
DPG-107	DECONTAMINATION PAD (TOWER GRID)	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994
DPG-113	LANDFILL POLE LINE ROAD	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994
DPG-115	LANDFILL, X-RAY RD 1MI S OF BLDG T9490	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994
DPG-117	WASTE DISPOSAL PIT (FALCONER ROAD)	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994
DPG-124	3X/5X CARR FACILITY INCINERATOR	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1994
DPG-128	PESTICIDE STORAGE BLDG, ENGLISH VIL	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1994
DPG-188	WASTE PIT NORTH OF RISING SUN GRID	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994
DPG-189	WASTE PIT- NORTH OF RISING SUN GRID	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994
DPG-190	RANGER LANDFILL AT PRIME ROAD GRAVEL PIT	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1994
DPG-003	VEHICLE DECON PAD(AND BLDG T-9410)	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1995
DPG-005	CONTAMINATED MAT BURIAL SITE (V-GRID)	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1995

## IRP Summary

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

Site ID	Site Name	Action	Remedy	FY
DPG-006	SURFACE STORE AREA VIC 10 MILE TOWER	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1995
DPG-008	BURIAL SITE WEST GRANITE PEAK	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1995
DPG-010	LOW LEVEL RAD LANDFILL, WEST OF GRANITE	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1995
DPG-011	LOW LEVEL RAD Burial Pits, Granite	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1995
DPG-012	LOW LEVEL RAD LANDFILL, SE GRANITE PEAK	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1995
DPG-015	RISING SUN TEST AREA	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1995
DPG-021	DISPOSAL SITE @ N CAMELBACK RIDGE	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1995
DPG-022	IGLOO SITE (SW TOWER GRID)	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1995
DPG-023	WASTE BURIAL SITE ( TOWER GRID)	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1995
DPG-025	DISPOSAL AREA JCT LIMA & STARKS ROADS	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1995
DPG-029	SURFACE WASTE SITE BTWN S WIG MTN & HGRD	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1995
DPG-031	WASTE BURIAL SITE (NORTH WIG MOUNTAIN)	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1995
DPG-032	DUMP SITE SW OF BAKER LABORATORY	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1995
DPG-035	DRAINFIELD, NORTH OF BAKER LABORATORY	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1995
DPG-122	INCINERATOR, BAKER LAB BASEMENT	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1996
DPG-037	LANDFILL, WEST OF DITTO TEC CENTER	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1997
DPG-048	3X STORAGE AREA @ FRIES PARK	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1997
DPG-130	SUMP, AAFES GAS STATION, ENGLISH VILLAGE	IRA	WASTE REMOVAL - SOLIDS (NON- SOILS)	1997
DPG-204	LEWISITE AREA, SIMPSON BUTTES	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1997
DPG-059	PAD 7/3X STORAGE AREA @ CARR FAC	IRA	WASTE REMOVAL - SOILS	1998
DPG-122	INCINERATOR, BAKER LAB BASEMENT	IRA	WASTE REMOVAL - SOLIDS (NON- SOILS)	1998
DPG-199	OLD OB/OD EAST OF SWMU17	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	1998
DPG-212	M55 ROCKET TEST SITE, SO TOWER GRID	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	1998
DPG-099	3X DISPOSAL AREA VIC E CAMELBACK MT	IRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	2000
DPG-099	3X DISPOSAL AREA VIC E CAMELBACK MT	IRA	WASTE REMOVAL - SOLIDS (NON- SOILS)	2000
DPG-162	DECON PAD NO OF AVERY	IRA	DRAINAGE CONTROLS	2000
DPG-051	EVAPORATION POND NEAR DTC	IRA	WASTE REMOVAL - SLUDGES	2001

## IRP Summary

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

Site ID	Site Name	Action	Remedy	FY
DPG-058	EVAPORATION POND @ CARR FACILITY	IRA	WASTE REMOVAL - SLUDGES	2001
DPG-063	SEPTIC TANK/DRAINFIELD @ CARR FACILITY	IRA	WASTE REMOVAL - SLUDGES	2001
DPG-128	PESTICIDE STORAGE BLDG, ENGLISH VIL	IRA	WASTE REMOVAL - SLUDGES	2001
DPG-002	SCRAP CONSTRUCTION FILL, N GRANITE PEAK	FRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	2002
DPG-034	BOILER BLOWDOWN POND BAKER AREA	FRA	WASTE REMOVAL - SOILS	2002
DPG-063	SEPTIC TANK/DRAINFIELD @ CARR FACILITY	FRA	WASTE REMOVAL - SOLIDS (NON- SOILS)	2002
DPG-177	OLD DRY CLEANING SHOP/SEWER SYSTEM DITTO	IRA	DRAINAGE CONTROLS	2002
DPG-002	SCRAP CONSTRUCTION FILL, N GRANITE PEAK	FRA	CAPPING	2003
DPG-007	BRINE VATS, WEST OF GRANITE PEAK	FRA	WASTE REMOVAL - SOILS	2003
DPG-036	IMHOFF TK/DRAINFIELD AT DITTO TECH CTR	FRA	WASTE REMOVAL - SOILS	2003
DPG-059	PAD 7/3X STORAGE AREA @ CARR FAC	FRA	SOIL WASHING	2003
DPG-162	DECON PAD NO OF AVERY	FRA	WASTE REMOVAL - SOILS	2003
DPG-043	OLD LANDFILL FOR ENGLISH VILLAGE	FRA	WASTE REMOVAL - SOILS	2004
DPG-043	OLD LANDFILL FOR ENGLISH VILLAGE	FRA	CAPPING	2004
DPG-046	SHOP SUMP @ MAINT AREA @ ENGLISH VILLAGE	FRA	WASTE REMOVAL - SLUDGES	2004
DPG-048	3X STORAGE AREA @ FRIES PARK	FRA	WASTE REMOVAL - SOILS	2004
DPG-128	PESTICIDE STORAGE BLDG, ENGLISH VIL	FRA	WASTE REMOVAL - SOILS	2004
DPG-158	EVAP POND NO OF MICHAEL AAF	FRA	OTHER	2004
DPG-175	ACID NEUTRALIZATION TANK - AVERY AREA	FRA	WASTE REMOVAL - SOLIDS (NON- SOILS)	2004
DPG-038	DECON PAD, SOUTH OF DITTO TECH CENTER	FRA	WASTE REMOVAL - SOILS	2005
DPG-038	DECON PAD, SOUTH OF DITTO TECH CENTER	FRA	SOIL VAPOR EXTRACTION	2005
DPG-042	CONTRACTOR LANDFILL NEAR ENGLISH VILLAGE	FRA	CAPPING	2005
DPG-042	CONTRACTOR LANDFILL NEAR ENGLISH VILLAGE	FRA	WASTE REMOVAL - SOILS	2005
DPG-065	LANDFILL (WHITE SAGE FLATS)	FRA	OTHER	2005
DPG-169	BAKER VEHICLE WASH RACK	FRA	REMOVAL	2005
DPG-037	LANDFILL, WEST OF DITTO TEC CENTER	FRA	WASTE REMOVAL - SOILS	2006

## IRP Summary

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

Site ID	Site Name	Action	Remedy	FY
DPG-051	EVAPORATION POND NEAR DTC	FRA	CAPPING	2006
DPG-051	EVAPORATION POND NEAR DTC	FRA	WASTE REMOVAL - SOLIDS (NON-SOILS)	2006
DPG-051	EVAPORATION POND NEAR DTC	FRA	WASTE REMOVAL - SOILS	2006
DPG-090	BURNING AREA, EAST OF CARR FAC(EPIC-10E)	FRA	OTHER	2006
DPG-168	CAR WASH RACK	FRA	WASTE REMOVAL - SOILS	2006
DPG-201	CAMEL'S BACK CAVE	IRA	FENCE OR OTHER SITE ACCESS CONTROL MEASURES	2006
DPG-003	VEHICLE DECON PAD(AND BLDG T-9410)	FRA	CAPPING	2007
DPG-014	DISPOSAL SITES, JCT DOWNWIND & JULIET RD	FRA	OTHER	2007
DPG-014	DISPOSAL SITES, JCT DOWNWIND & JULIET RD	FRA	CAPPING	2007
DPG-014	DISPOSAL SITES, JCT DOWNWIND & JULIET RD	FRA	WASTE REMOVAL - SOILS	2007
DPG-017	AGENT DISPOSAL SITE @ S TOWER GRID	FRA	WASTE REMOVAL - SOILS	2007
DPG-017	AGENT DISPOSAL SITE @ S TOWER GRID	FRA	WASTE REMOVAL - SOLIDS (NON-SOILS)	2007
DPG-017	AGENT DISPOSAL SITE @ S TOWER GRID	FRA	CAPPING	2007
DPG-018	DISPOSAL SITE @ SE TOWER GRID	FRA	WASTE REMOVAL - SOLIDS (NON-SOILS)	2007
DPG-018	DISPOSAL SITE @ SE TOWER GRID	FRA	WASTE REMOVAL - SOILS	2007
DPG-019	DISPOSAL SITE @ NE TOWER GRID	FRA	WASTE REMOVAL - SOILS	2007
DPG-019	DISPOSAL SITE @ NE TOWER GRID	FRA	CAPPING	2007
DPG-021	DISPOSAL SITE @ N CAMELBACK RIDGE	FRA	CAPPING	2007
DPG-021	DISPOSAL SITE @ N CAMELBACK RIDGE	FRA	WASTE REMOVAL - SOILS	2007
DPG-023	WASTE BURIAL SITE ( TOWER GRID)	FRA	CAPPING	2007
DPG-025	DISPOSAL AREA JCT LIMA & STARKS ROADS	FRA	CAPPING	2007
DPG-039	LANDFILL NORTH OF AVERY	FRA	CAPPING	2007
DPG-052	WASTE BURIAL SITES (EAST SE OF CARR)	FRA	WASTE REMOVAL - SOILS	2007
DPG-052	WASTE BURIAL SITES (EAST SE OF CARR)	FRA	CAPPING	2007
DPG-054	DISPOSAL AREA(S), EAST OF CARR FACILITY	FRA	CAPPING	2007
DPG-055	3X DISPOSAL SITE, E OF CARR FACILITY	FRA	CAPPING	2007
DPG-056	STORAGE SITE, E OF CARR FACILITY	FRA	CAPPING	2007

## IRP Summary

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

Site ID	Site Name	Action	Remedy	FY
DPG-058	EVAPORATION POND @ CARR FACILITY	FRA	OTHER	2007
DPG-079	WASTE PILE (SW OF LITTLE GRANITE MTN)	FRA	CAPPING	2007
DPG-079	WASTE PILE (SW OF LITTLE GRANITE MTN)	FRA	WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	2007
DPG-194	Burial Site, EAST OF CARR	FRA	CAPPING	2007
DPG-199	OLD OB/OD EAST OF SWMU17	FRA	REMOVAL	2007
DPG-200	BURIAL SITE, SOUTHEAST OF CARR	FRA	CAPPING	2007
DPG-207	DISPOSAL TRENCHES AND MOUNDS, CARR	FRA	CAPPING	2007
DPG-208	DRUM BURIAL SITE SE OF CARR	IRA	REMOVAL	2007
DPG-213	BURIAL TRENCH, TARGET S	FRA	WASTE REMOVAL - SOLIDS (NON- SOILS)	2007
DPG-215	PIGEON LOFT TRENCHES, DOWNWIND GRID	FRA	CAPPING	2007
DPG-215	PIGEON LOFT TRENCHES, DOWNWIND GRID	FRA	WASTE REMOVAL - SOLIDS (NON- SOILS)	2007
DPG-197	DISP. PIT, TARGET SITE, DWIND GRID	FRA	CAPPING	2008
DPG-212	M55 ROCKET TEST SITE, SO TOWER GRID	FRA	WASTE REMOVAL - SOLIDS (NON- SOILS)	2008
PBC at Dugway	PBC	FRA	OTHER	2008
DPG-204	LEWISITE AREA, SIMPSON BUTTES	IRA	WASTE REMOVAL - SOILS	2010
DPG-009	STORAGE SITE 3X SCRAP MATERIAL	FRA	WASTE REMOVAL - SOLIDS (NON- SOILS)	2012
DPG-011	LOW LEVEL RAD Burial Pits, Granite	IRA	WASTE REMOVAL - SOILS	2012
DPG-192	Disposal Pits - 63 PITS W GRANITE	FRA	CAPPING	2012
DPG-204	LEWISITE AREA, SIMPSON BUTTES	FRA	CAPPING	2013
DPG-204	LEWISITE AREA, SIMPSON BUTTES	FRA	WASTE REMOVAL - SOILS	2015

### Duration of IRP

**Date of IRP Inception:** 198601

**Estimated Date for Remedy-In-Place (RIP)/Response Complete (RC):** 201601/201601

**Date of IRP completion including Long Term Management (LTM):** 204409

# IRP Contamination Assessment

## Contamination Assessment Overview

Historical waste disposal practices have generated possible contamination at 205 (SWMUs). Many of these SWMUs are affiliated with DPG's mission to test chemical, biological, and conventional weapons, but some are characterized by more generic practices such as sanitary waste disposal, photo developing, transformer disposal, and sanitary landfills.

Due to an increase in levels of nitrate in 1967 and 1972, respectively, English Village water supply wells 18 and 19 were taken out of potable service in 1977. No definable source was ever found for this increase.

An initial installation assessment completed in April 1979 concluded that there was no potential for off-post migration of hazardous waste at DPG. The assessment also concluded that because of the probability that unexploded ordnance (UXO), including chemical agent rounds, may be located in many areas of DPG, the installation range areas should be considered RFI hazardous to personnel.

A consent order was negotiated between the state of Utah and DPG and was issued on Sept. 13, 1990. It required the investigation and development of closure plans for 41 sites that ceased hazardous waste operations after 1980. Since the signing date, four hazardous waste management units (HWMU) have been dropped and one has been added. The contaminants of concern for the consent order HWMUs are: volatile organic compounds (VOC), agent, agent breakdown products (ABP), pesticides, polychlorinated biphenyls (PCB), explosives, and metals. The objective of the consent order site investigation was to develop closure plans for the 34 consent order HWMUs.

The investigation was divided into three mobilizations or field phases, during which all of the HWMUs were investigated. Mobilization Phase I began on July 27, 1992 and ended on Nov. 6, 1992; 30 HWMUs were investigated during this time. Mobilization Phase II started on May 10, 1993 and ended on Oct. 7, 1993; 35 HWMUs were investigated during this time. Nature and extent plans for 41 HWMUs were submitted to the installation and regulators between March and August 1993. Mobilization Phase III began in January 1995 and ended in May 1995. Closure plan development began in December 1993. Three HWMUs have been approved for administrative closures. HWMUs 33 and 36 were remediated in 2000. HWMU 48 was remediated in 2001. Final removals were completed for DPG-042, DPG-046 and DPG-047. Administrative closures were completed for DPG-099 and DPG-190. Remediation activities at DPG-043, DPG-051, DPG-090, DPG-168, DPG-163 and DPG-037 are complete.

On March 20, 1992, the Executive Secretary for the Utah DSHW finalized the RCRA facility assessment (RFA) for SWMUs located on DPG. The purpose of the RFA was to identify and describe SWMUs and determine the likelihood of a release. A preliminary review (PR) was completed first in order to review pertinent documentation such as inspection reports, permit applications, aerial photos, and disposal records. Over 169 SWMUs were identified based on the PR. A visual screening inspection was then conducted in the summer of 1991, which deleted 11 SWMUs from the list. The final RFA lists 121 SWMUs which need to be investigated in the RFI. During the RFI, SWMUs are being added, deleted, and consolidated as more information is obtained. DPG is currently investigating 111 SWMUs under the RCRA corrective action module of the RCRA hazardous waste storage permit issued March 15, 1994 by the UDEQ.

From August 1993 to June 1994 a Phase I RFI was performed to confirm or deny the presence of hazardous waste at the 111 SWMUs. Sixty-eight sites continue to be investigated under the Phase II RFI, several of which contain other SWMUs that have been combined into the 68 due to proximity or waste process. No off-post contamination has been confirmed with the exception of SWMUs 67, 126, and 127, which are Formerly Used Defense Sites (FUDS) under the USACE.

Based on completed RFI reports at the remaining DPG IRP SWMUs, soil sampling identified the following list of contaminants that must still be addressed:

- metals
- VOCs
- semi-volatile organic compounds (SVOC)
- PCBs
- total petroleum hydrocarbons (TPH)
- trinitrotoluene (TNT)
- cyclotrimethylenetrinitramine (RDX)
- chemical decontamination residues
- BPs
- chemical warfare materiel (CWM).

# IRP Contamination Assessment

## Contamination Assessment Overview

By the end of FY07, DPG had obtained state of Utah approval to set up four GMA. They include the DTC, Carr, Downrange and English Village GMA. Each region differs in the hydrogeological controls on contaminant migration. In accordance with the Utah administrative code, these four areas established alternate groundwater monitoring requirements during the LTM phase for all SWMU sites with a GMA.

There are approximately 33 HWMUs identified by UDEQ Stipulation and Consent Orders 8909884 and 9309065. These sites are similar to SWMUs in contamination and remediation strategy. Remediation activities have occurred on many of these sites under both the total environmental restoration contract (TERC) and PBA vehicles which started in 2001 and continue to the present day.

PBA work continued in FY12 with closure documentation on previous remediated sites and post-closure inspection and site assessments. GMA monitoring efforts continued under the TERC. Corrective measures study (CMS) planning and construction for DPG-192 was completed under the TERC.

## Cleanup Exit Strategy

Design and remediation work is expected to continue on DPG-204 and DPG-11 within the next two years. All other sites are in LTM with inspections and cover maintenance, or groundwater is being monitored via the four GMAs.

## IRP Previous Studies

Year	Title	Author	Date
1975	Environmental Impact Assessment: Proposed Hercules, Incorporated Rocket Motor Test Site	Army Material Command Test and Evaluation Command	JAN-1975
	Basic Plan for the Assessment of DPG Phase V Toxic Residue Stored at Tower Grid and West Granite Holding Areas	Program Manager for Chemical Demilitarization and Installation Restoration	JUN-1975
1976	Installation Environmental Impact Assessment for United	Pinkham, Carlos F.A	FEB-1976
1977	Soil Samples West Granite Disposal Area, Project Manager for Chemical Demilitarization and Installation Restoration	Jones, Curtis F	DEC-1977
1978	Initial Installation Assessment of DPG	US Army Toxic and Hazardous Materials Agency	NOV-1978
1983	Phase 2 Hazardous Waste Management Study No. 37-26-0147-84, DARCOM Open Burning/Open Detonation Grounds Evaluation	US Army Environmental Hygiene Agency	NOV-1983
1984	Analysis of Existing Facilities Environmental Assessment Report	Planning Corp.	DEC-1984
1986	Hazardous Waste Study for DPG, Volume 1, prepared for the US Army Toxic and Hazardous Materials Agency	El Dorado Engineering, Inc	DEC-1986
1987	Interim Final Report Groundwater Contamination Survey No 38-26-0847-88 Evaluation of SWMUs, DPG, 6-10 Apr 87, prepared for the US AMC	US Army Environmental Hygiene Agency	DEC-1987
1988	Report of Findings, Geohydrologic Study: Phase 1 DTC and 3008 Evaporation Ponds, English Village and Fries Park Landfills	R&M Consultants (ESE)	NOV-1988
	Update of the Initial Installation Assessment of DPG	Environmental Science and Engineering, Inc	DEC-1988
	Installation Restoration Program Plan for Dugway Proving Ground	Dette, Michael	DEC-1988
1992	RCRA Facility Assessment of Solid Waste Management Units at US Army DPG	Executive Secretary of the Utah Solid and Hazardous Waste Control Board	NOV-1992
	Geophysical Investigation of Solid Waste Management Unit 160, Air Force Pad No. 777, Landfill No. 1	EBASCO	NOV-1992
	Geophysical Investigation of Solid Waste Management Unit 20, Camels Back Ridge	EBASCO	DEC-1992
1994	Preliminary Assessment Dugway Proving Ground	Engineering Technologies Associates	NOV-1994
1995			



## IRP Previous Studies

Year	Title	Author	Date
1995	SWMU Closures at Dugway Proving Ground, Interim Report. Final Phase 1	Ebasco Services Inc	NOV-1995
	Annual Groundwater Monitoring Reports	Ageiss Environmental and The IT Group	DEC-1995
1996	Annual Groundwater Monitoring Reports	Ageiss Environmental and The IT Group	OCT-1996
	Module 3 Closure Plan: September	Ebasco Services, Inc	DEC-1996
1997	Annual Groundwater Monitoring Reports	Ageiss Environmental and The IT Group	NOV-1997
1998	Annual Groundwater Monitoring Reports	Ageiss Environmental and The IT Group	DEC-1998
1999	Annual Groundwater Monitoring Reports	Ageiss Environmental and The IT Group	DEC-1999
2000	RCRA Facility Investigation, Investigation Report, Final Phase 1	Parsons Engineering Science Inc	DEC-1999
	HWMU 002 CMIR	MW	MAR-2000
2001	Draft Characterization and Recommended Use of Facility-Wide Background Soil Metals Data	Parsons Engineering Science Inc	NOV-2000
	Annual Groundwater Monitoring Reports	Ageiss Environmental and The IT Group	NOV-2000
	Annual Groundwater Monitoring Reports	Ageiss Environmental and The IT Group	OCT-2001
2002	Final Supplemental Investigation Report for HWMU 47 - Former English Village Sewage Lagoons	IT Corp	SEP-2002
	Annual Groundwater Monitoring Reports	Ageiss Environmental and The IT Group	OCT-2002
	Final Closure Report for HWMU 34 - Baker Boiler House Sump	IT Corp	OCT-2002
	Draft Final Closure Certification for HWMU 7	Montgomery Watson Harza	NOV-2002
	Final (Rev 2), Risk Assumptions Document for Phase II RFI	Parsons Engineering Science Inc	DEC-2002
2003	Draft Final Hydrogeological Assessment and Regional Groundwater Management Plan, Volume 1, Ditto Groundwater Management Area	Parsons Engineering Science Inc	SEP-2003
	Final Closure Report for HWMU 2 - Waste Pile at North end of Granite Peak	Shaw	SEP-2003
	Final Closure Certification for HWMU 59 - Pad 7 3X Storage Area in Carr	Montgomery Watson Harza	OCT-2003
	Revised Final Remedial Action Closure Report for HWMU 33 - Baker Area Sewage Lagoon	Shaw	NOV-2003
	Final Closure Report for HWMU 99 - Camels Back Ridge Former 3X Storage Site	Shaw	DEC-2003

## IRP Previous Studies

	Title	Author	Date
<b>2004</b>	HWMU 38 - CCR	Shaw	MAR-2004
	HWMU 128 - CCR	Shaw	APR-2004
	SWMU 6 - FINAL RFI	Parsons	JUN-2004
	HWMU 36 - CCR	Shaw	OCT-2004
	Phase 2 RFI at Multiple Sites to Determine Nature and Extent	Parsons for USACE	DEC-2004
<b>2005</b>	SWMU 11 - FINAL RFI	Parsons	MAR-2005
	HWMU 43 - CCR	Shaw	SEP-2005
	Phase 2 RFI at Multiple Sites to Determine Nature and Extent	Parsons for USACE	DEC-2005
<b>2006</b>	HWMU 37 - CCR	Shaw	MAR-2006
	HWMU 90 - CCR	Shaw	MAY-2006
<b>2007</b>	SWMU 97 - Final RFI	Parsons	JUL-2007
	SWMU 54 - CMIR	Parsons	AUG-2007
	SWMU 56 - CMIR	Parsons	AUG-2007
	SWMU 200 - CMIR	Parsons	AUG-2007
	SWMU 207 - CMIR	Parsons	AUG-2007
	SWMU 213 - CMIR	Parsons	AUG-2007
	SWMU 215 - CMIR	Parsons	AUG-2007
	SWMU 14 - CCR	Shaw	AUG-2007
	SWMU 41 - Final RFI	Parsons	OCT-2007
SWMU 61 - Final RFI	Parsons	NOV-2007	
<b>2008</b>	SWMU 197 - CMIR	Parsons	MAR-2008
	HWMU 55 - CCR	Shaw	MAR-2008
	SWMU 17 - CMIR	Parsons	JUN-2008
	SWMU 44 - CMIR	Parsons	JUN-2008
	HWMU 58 - CCR	Shaw	JUL-2008
	SWMU 3 - CMIR	Parsons	AUG-2008
	SWMU 79 - CMIR	Parsons	AUG-2008
	SWMU 199 - CMIR	Parsons	DEC-2008
<b>2009</b>			

## IRP Previous Studies

2009

Title	Author	Date
SWMU 21 - CMIR	Parsons	FEB-2009
Ditto GMA Fall 2009 Groundwater Monitoring Event Field Activity Report.	Shaw Environmental	FEB-2009
Ditto Motor Pool Annual Monitoring Report	Shaw Environmental	FEB-2009
HWMU 39 - CCR	Shaw	MAR-2009
CARR Groundwater Management Area Fall 2009 Groundwater Monitoring Event Field Activity Report	Shaw Environmental	MAR-2009
Final: Corrective measure Study Report for SWMU 192	Parsons	MAR-2009
Final: Corrective Measure Implementation Report Former Test Site, tower Grid Area for SWMU 212	Shaw Environmental	MAR-2009
English Village Groundwater Management Area Year Zero Field Activity Report	Shaw Environmental	APR-2009
Ditto Groundwater Management Area Fall 2008 Groundwater Monitoring Event Field Activity Report	Shaw Environmental	APR-2009
Downrange Groundwater Management Area Fall 2008 Groundwater Monitoring Event Field Activity Report	Shaw Environmental	APR-2009
CARR Groundwater Management Area Fall 2008 Groundwater Monitoring Event Field Activity Report	Shaw Environmental	APR-2009
Final: Phase II RCRA Facility Investigation Report for SWMU 192	Parsons	APR-2009
Final: Quality Assurance Project Plan and Sampling and Analysis Plan for SWMU 204.	Shaw Environmental	MAY-2009
Final: Phase II RCRA Facility Investigation Report for SWMU 208	Parsons	MAY-2009
Final: Phase II RCRA Facility Investigation Report for SWMU 31	Parsons	JUL-2009
Final: Removal Investigation and Voluntary Interim Measures Work Plan for SWMU 35	Parsons	JUL-2009
Final: Phase II RCRA Facility Investigation Radiological Survey for SWMU 11	Parsons	AUG-2009
Downrange Groundwater Management Area Year zero Assessment	Shaw Environmental	SEP-2009
Final: Phase II RCRA Facility Investigation Report. Revision 1 for SWMU 61	Parsons	OCT-2009
Ditto Groundwater Management Area Spring 2009 Groundwater Monitoring Event Field Activity Report.	Shaw Environmental	NOV-2009
CARR Groundwater Management Area Spring 2009 Groundwater Monitoring Event Field Activity Report.	Shaw Environmental	NOV-2009
Final: Phase II RCRA Facility Investigation Report for SWMU 15	Parsons	NOV-2009
Final: Phase II RCRA Facility Investigation Report for SWMU 41	Parsons	NOV-2009
Final: Explosives Safety Submission Munitions & Explosives of Concern for SWMU 192	Shaw Environmental	NOV-2009
CARR - Year 1 - Field Activity Report	Shaw Environmental Inc.	DEC-2009
Downrange - Year 0 - Field Activity Report	Shaw Environmental Inc.	DEC-2009
English Village - Year 1 - Field Activity Report	Shaw Environmental Inc.	DEC-2009
English Village GMA Spring 2009 Groundwater Monitoring Event FAR	Shaw Environmental	DEC-2009
Downrange Groundwater Management Area Spring	Shaw Environmental	DEC-2009

## IRP Previous Studies

Year	Title	Author	Date
2009	2009 Groundwater Monitoring Event Field Activity Report		
	CARR Groundwater Management Area Year Zero Assessment	Shaw Environmental	DEC-2009
2010	FAR for the Second Semiannual Groundwater Monitoring Event of 2009 English Village Wastewater Treatment Facility	Shaw Environmental	JAN-2010
	FAR for the Second Semiannual Groundwater Monitoring Event of 2009 English Village Landfill	Shaw Environmental	MAR-2010
	Downrange Groundwater Management Area Fall 2009 Groundwater Monitoring Event Field Activity Report.	Shaw Environmental	MAR-2010
	Phase II RCRA Facility Investigation Report for SWMU 4	Parsons	MAR-2010
	Final: Phase II RCRA Facility Investigation Report for SWMU 35.	Parsons	MAR-2010
	SWMUs 4 and 114: Source Removal Investigation and Voluntary Interim Measures work Plan.	Parsons	MAY-2010
	FAR for the First Semiannual Groundwater Monitoring Event of 2010 for the English Village Wastewater Treatment Facility	Shaw Environmental	AUG-2010
	Quality Assurance Project Plan Sampling and Analysis Plan for all DPG GMA (CARR, Ditto, Downrange, and English Village)	Shaw Environmental	OCT-2010
2011	Final Quality Assurance Project Plan Sampling and Analysis Plan for SWMU 192	Shaw Environmental	JAN-2011
	SWMU 11 Area 1 Final CMS/CMIP	AQS	FEB-2011
	Final AOCs Work Plan	AQS	FEB-2011
	Final Facility-Wide Ecological Risk Assessment (FERA)	AQS	FEB-2011
	Final-site Specific CMIP for SWMU 9	Shaw Environmental	FEB-2011
	Historical Site Assessment for SWMU 11 Area 2	AQS	FEB-2011
	Revised Final QAPP/SAP for SWMU 204	Shaw Environmental	APR-2011
	Final Carr Field Activity Report Fall 2010 Event	Shaw Environmental	MAY-2011
	Final Carr GMA Spring 2010 Event	Shaw Environmental	MAY-2011
	Final Ditto GMA Fall 2010 FAR Event	Shaw Environmental	MAY-2011
	Revised Final Closure Plan for HWMU 9 and 9A	Shaw Environmental	MAY-2011
	Final QAPP/SAP for SWMU 192	Shaw Environmental	MAY-2011
	Final Corrective Measure Implementation Report for SWMU 11	Shaw Environmental	SEP-2011
	Final Voluntary Interim Measures Report SWMU 204	Shaw Environmental	NOV-2011
	Final DPG Installation Resotration Program Infrastructure Maintenance Field Activity Report (FAR)	Shaw Environmental	DEC-2011
	Final Corrective Measures Implementation Report (CMIR) for SWMu 192	Shaw Environmental	DEC-2011
	Final English Village GMA Spring 2011 Monitoring FAR	Shaw Environmental	DEC-2011

## IRP Previous Studies

	<b>Title</b>	<b>Author</b>	<b>Date</b>
<b>2011</b>	Final Downrange GMA Spring 2011 Monitoring FAR	Shaw Environmental	DEC-2011
	Quality Assurance Project Plan Sampling and Analysis Plan for all DPG GMA (CARR, Ditto, Downrange, and English Village)	Shaw Environmental	DEC-2011
<b>2012</b>	Final 2010-2011 PC Biennial Monitoring Report	AQS	MAR-2012
	Final Fall 2011 FAR Ditto GMA	Parsons	JUN-2012
	Final Phase II RCRA Facility Investigation Report	AQS	JUL-2012
	Final CMIR for HWMU 9 and 9A	Parsons	JUL-2012
	Fall 2011 FARs Data Tables for DPG GMAs	Parsons	AUG-2012
	Final Report of Findings for the AOC	AQS	OCT-2012
<b>2013</b>	Final Fall 2011 FAR Downrange GMA	Parsons	JUL-2013
	Final Fall 2011 FAR Carr GMA	Parsons	JUL-2013

**DUGWAY PROVING GROUND**  
**Installation Restoration Program**  
**Site Descriptions**

Site Name: SCRAP CONSTRUCTION FILL, N GRANITE PEAK

STATUS

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Chemical weapon munitions (CWM)/Chemical agent, Explosives, Metals, Volatiles (VOC)

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	198601.....	198802
CS.....	199111.....	199609
RFI/CMS.....	199609.....	199906
DES.....	199910.....	200112
IRA.....	198804.....	198808
CMI(C).....	200012.....	200307
LTM.....	200307.....	203207

RIP Date: N/A

RC Date: 200307

SITE DESCRIPTION

Documentation for the RRSE data comes from the DPG Closure Plan Module 3, prepared by Foster Wheeler and dated September 1996. On Aug. 4, 2003 all fieldwork was completed and closure was certified by UDEQ.

DPG-002, known as the Waste Pile at the North End of Granite Peak, is a burial pit located north of Granite Peak, approximately 1,000 feet north of Stark Road. It was used from the 1940s to 1990, and is about 300 feet by 400 feet. This central portion of DPG is now primarily used for test ranges. In the past, munitions disposal, decontamination, and other demilitarization activities were also conducted in this area. DPG-002 was used to dispose of a variety of solid wastes generated during range cleanup and demilitarization activities. The unit consists of two trenches that are positioned end to end and are approximately 50 feet apart.

As part of a base contract, approximately 4.9 tons of scrap material were removed and transported to the Defense Reutilization and Marketing Office (DRMO) at Tooele Army Depot. Thirty-one tons of surface waste were disposed of at the DPG landfill. In 1988, warning signs were placed at DPG-002 for site control purposes. In 2000, groundwater monitoring began at DPG-002. Shallow groundwater at this site is considered Class 4 [high total dissolved solids (TDS)]. A soil cover cap design was approved and constructed in FY02 to cover waste remaining in place. LTM began in 2003. A post-closure permit was issued in September 2005.

This site is the anchor site or funding placeholder site for the Downrange GMA. Sites included in the Downrange GMA are: DPG-003, 006, 017, and 197.

CLEANUP/EXIT STRATEGY

Groundwater monitoring, cover maintenance, and five-year reviews are ongoing and will continue as needed to the end of the 30-year LTM period.

Site Name: VEHICLE DECON PAD(AND BLDG T-9410)

STATUS

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Metals, Petroleum, Oil and Lubricants (POL)

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	199107.....	199111
CS.....	199210.....	199610
RFI/CMS.....	200305.....	200607
DES.....	200602.....	200607
IRA.....	199310.....	199412
CMI(C).....	200608.....	200709
LTM.....	200909.....	203909

RIP Date: N/A

RC Date: 200709

SITE DESCRIPTION

This 7-acre site in the all-purpose grid area has a 450-foot concrete pad. Active in the 1960s, the site reportedly was used for decontamination of VX-contaminated vehicles. Also located at the site are a building, bermed surface depression, stained soil, three mounded areas, a trench, two drain fields, two sewer lines, a septic tank, and a transformer. The sewer lines reportedly handled fluids used for decontamination purposes. Marston matting is present on the ground surface in the western portion of the site and discarded batteries and glassware are visible in several areas.

The area initially investigated as the decontamination pad area was later determined to be the site of a former maintenance shop. The actual decontamination pad area was located, along with a burial site, following the Phase I investigation. A Phase II RFI is complete. Due to the proximity and similarity of DPG-001 and DPG-005, these sites have been combined with DPG-003 for the Phase II RFI. ABPs were detected in the sewer lines and drain fields. In 1993 an IRA was performed to remove Marston matting debris. A benzene plume has been detected around the former underground storage tank (UST). A source removal investigation has been completed to remove a fuel UST and contaminated soil and to complete the site characterization. There is a potential for VX residue beneath the existing decontamination building and the adjacent drain field.

A CMS report was completed and a geosynthetic liner (GCL) cover over eight areas was installed. This site is included in the FY06 PBA award. DPG-003 is in the Downrange Groundwater Management Group.

Two corrective action objectives (CAO) were established:

1. Prevent exposure to buried wastes (Areas 2 and 3).
2. Prevent further degradation to groundwater by removal of solid waste (Marston matting), grading of the soil mounds in Area 1, and removal/decontamination/proper disposal of the personnel decontamination building and associated drain lines located in Area 2.

The anchor site for GMA requirements is DPG-002.

CLEANUP/EXIT STRATEGY

Funds for the groundwater monitoring are included in the Downrange GMA.

Groundwater monitoring and cover maintenance are ongoing and will continue to the end of the 30-year LTM period. This site will be sampled on a five-year schedule starting in 2018 (downrange GMA) based on the five-year GMA review outcome.



**Site ID: DPG-006**

**Site Name: SURFACE STORE AREA VIC 10 MILE TOWER**

## STATUS

**Regulatory Driver:** RCRA

**RRSE:** MEDIUM

Contaminants of Concern: Petroleum, Oil and Lubricants (POL)

Media of Concern: Groundwater

<b>Phases</b>	<b>Start</b>	<b>End</b>
RFA.....	199107.....	199111
CS.....	199210.....	199610
RFI/CMS.....	199610.....	200409
IRA.....	199305.....	199412
LTM.....	200409.....	203409

**RIP Date:** N/A

**RC Date:** 200409

## SITE DESCRIPTION

No further action (NFA) is required for soils.

## CLEANUP/EXIT STRATEGY

Groundwater continues to be monitored under the Downrange GMA. DPG-002 has the funding for the Downrange GMA.

**Site ID: DPG-011**

**Site Name: LOW LEVEL RAD Burial Pits, Granite**

## STATUS

**Regulatory Driver:** RCRA

**RRSE:** LOW

**Contaminants of Concern:** Metals, Radionuclides

**Media of Concern:** Soil

<b>Phases</b>	<b>Start</b>	<b>End</b>
RFA.....	199107.....	199111
CS.....	199210.....	199610
RFI/CMS.....	199604.....	201601
IRA.....	199310.....	201209

**RIP Date:** N/A

**RC Date:** 201601

## SITE DESCRIPTION

This 16-acre site, corresponding to the location of the former East Granite Holding Area (active from 1950 to 1977), consisted of three open trenches and two backfilled trenches. The open trenches and the eastern-most backfilled trench were used for test burning beryllium-containing missile propellant accepted by the Army from the Air Force in 1965. The western backfilled trench contains RAD waste materials stored at the Avery holding area including tritium and carbon-14, which were placed there between 1952 and 1965.

Removal of debris first occurred in March 1980 when the DPG Radiation Protection Office collected glassware contaminated with carbon-14 and delivered it to the chemical laboratory in the DTC area for disposal. Removal of debris continued through 1985 when materials were transported to a munitions igloo located in the Baker Area (DPG-174). Stained soil observed in excavation pits during Phase I activities was believed to indicate contamination from burning activities. In 1993, warning signs were placed at DPG-011 for site control.

A RCRA site remediation was contracted in 2010; fieldwork was completed in FY11.

A Phase II RFI was completed in FY10. DPG is currently conducting a safety investigation on the RAD site.

Based on IMCOM guidance the remaining RAD work required on this site will be addressed under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

## CLEANUP/EXIT STRATEGY

The liability will have to be re-established for the next CTC cycle.

Site Name: DISPOSAL SITES, JCT DOWNWIND & JULIET RD

STATUS

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Explosives, Metals, Volatiles (VOC)

Media of Concern: Soil

Phases	Start	End
RFA.....	198601.....	198802
CS.....	199111.....	199609
RFI/CMS.....	199609.....	200601
DES.....	200602.....	200607
IRA.....	198802.....	199512
CMI(C).....	200608.....	200709
LTM.....	200909.....	203909

RIP Date: N/A

RC Date: 200709

SITE DESCRIPTION

DPG-014 is located at the southern end of the Downwind Grid in the central portion of DPG, southeast of Granite Peak. The site consists of a trench with a vehicle access ramp, a soil pile, and a detonation crater. Waste was added from the 1960s to 1980. When it was originally designated, the unit only consisted of an excavated area and the adjacent soil pile. The excavated area was approximately 95 by 40 feet wide and 12 to 15 feet deep when active, and the pile of excavated soil was approximately 6 to 8 feet high. This site was used to manage a wide range of solid waste materials, including range-related debris such as tear gas and fog oil canisters, empty decontamination fluid containers, smoke pots, 155 millimeter (mm) ordnance fragments, 2chlorobenzalmalononitrile (CS) bomblets, several types of munitions including M55 rockets, magnesium-filled incendiary rounds, munitions with unknown contents, and wooden ammunition cases.

In 1988 site control measures were taken with warning signs placed about the area. Removal of some of the debris occurred from 1993 to 1995. Munitions were stockpiled and destroyed on-site by Army Explosive Ordnance Disposal (EOD), rubbish was hauled to the DPG landfill, and scrap was transported to the DRMO. Minimal ordnance debris remains on-site.

Groundwater monitoring has been conducted at DPG-014 since 1996. Additional groundwater assessment activities were conducted in FY01. No significant contamination was found in the groundwater and in 2003 groundwater monitoring requirements were reduced. This site was included in the FY06 PBA award.

Remediation efforts at this site were completed under PBA I in 2007.

CLEANUP/EXIT STRATEGY

Cover maintenance will continue to be performed for the duration of the 30-year LTM cycle.

Site Name: AGENT DISPOSAL SITE @ S TOWER GRID

STATUS

Regulatory Driver: RCRA
RRSE: HIGH
Contaminants of Concern: Explosives, Metals
Media of Concern: Groundwater, Soil

Table with 3 columns: Phases, Start, End. Rows include RFA, CS, RFI/CMS, DES, IRA, CMI(C), LTM, RIP Date, and RC Date.

SITE DESCRIPTION

This 178-acre fenced waste burial area is located in the Tower Grid area and was active from 1950 to 1977. The site was reportedly used during demilitarization of chemical weapons.

The explosive risk associated with this site is considered to be high during Phase I activities; therefore, all soil and groundwater sampling was performed outside of the fenced area.

A GCL cover on six areas was completed in FY06 and debris removal was completed in FY07. This site was included in the FY06 PBA award.

The anchor site for GMA requirements is DPG-002.

One CAO was established to prevent exposure to buried wastes by hypothetical intrusive site workers and burrowing ecological receptors.

CLEANUP/EXIT STRATEGY

Cover maintenance will continue to be performed for the duration of the 30-year LTM cycle.

The site is RC. LTM of groundwater is included in the downrange GMA.

Site ID: DPG-021

## Site Name: DISPOSAL SITE @ N CAMELBACK RIDGE

### STATUS

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Metals, Volatiles (VOC)

Media of Concern: Soil

Phases	Start	End
RFA.....	199107.....	199111
CS.....	199210.....	199610
RFI/CMS.....	199610.....	200510
DES.....	200602.....	200607
IRA.....	199310.....	199412
CMI(C).....	200602.....	200709
LTM.....	200909.....	203909

RIP Date: N/A

RC Date: 200709

### SITE DESCRIPTION

This 3-acre site of a fenced disturbed area is located in the DTC area and was active from the 1940s to 1950s. The disturbed area includes a large mound and several cave-in areas. Outside of the disturbed area is a metal debris pile and scattered wood, metal, glass, and plastic scrap material. The site reportedly was used to dispose of target grid samplers. Each sampler consisted of a vacuum pump, solenoid, and radio receiver. Although there is no report of the burial of munitions at the site, numerous rocket motors and ordnance fragments were found at the surface. Lead acid batteries also may have been disposed at the site.

Because the explosive risk at the site is considered to be high, all soil and groundwater sampling was performed outside the fenced area during the Phase I activities. In 1993, warning signs were placed in the area for site control purposes. Wells were installed into the shallow groundwater adjacent to the burial trenches. Trichloroethylene (TCE) has been detected in one well. The final RFI was approved in October 2005.

Soil and debris removal and capping were completed in FY06.

This site was included in the FY06 PBA award.

### CLEANUP/EXIT STRATEGY

LTM cover inspection and maintenance will continue for the duration of the 30-year LTM cycle.

Site ID: DPG-036

Site Name: IMHOFF TK/DRAINFIELD AT DITTO TECH CTR

### STATUS

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Metals, Pesticides, Volatiles (VOC)

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	198601.....	198802
CS.....	198905.....	199609
RFI/CMS.....	199609.....	199906
DES.....	199806.....	200107
IRA.....	198802.....	198802
CMI(C).....	200108.....	200309
LTM.....	200702.....	203601

RIP Date: N/A

RC Date: 200309

### SITE DESCRIPTION

Contaminated soil/waste has been removed from this site and all soil remediation was completed. RC was achieved in 2003 for soils.

Groundwater issues at this site are addressed by the DTC GMA.

### CLEANUP/EXIT STRATEGY

Groundwater is being tracked under the Ditto GMA. Funds for the Ditto GMA are included in DPG-097.

**Site ID: DPG-037**

**Site Name: LANDFILL, WEST OF DITTO TEC CENTER**

## STATUS

**Regulatory Driver:** RCRA

**RRSE:** HIGH

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

Media of Concern: Groundwater, Soil

<b>Phases</b>	<b>Start</b>	<b>End</b>
RFA.....	198601.....	198802
CS.....	198905.....	199609
RFI/CMS.....	199609.....	200107
DES.....	199806.....	200108
IRA.....	199610.....	199612
CMI(C).....	200109.....	200604
LTM.....	200704.....	203704

**RIP Date:** N/A

**RC Date:** 200604

## SITE DESCRIPTION

DPG-037 is an inactive landfill located about 1,400 feet southwest of the DTC. Available data, including aerial photographs, indicate DPG-037 is approximately 19 acres. There are numerous soil mounds and depressions throughout the site, as well as several piles of ash and asphalt, a 5-foot deep trench, a small ordnance mound, and numerous trench and fill areas that were used from the 1940s to 1975. Other waste and debris observed at DPG-037 includes test tubes, gas masks and filters, needles and syringes, animal bones, fire brick, plates, heat-treated glassware, and chemical aprons. Previous investigation work has revealed that waste is in contact with groundwater.

Included within DPG-037 are two small SWMUs: 87 (landfill) and 89 (waste pile). SWMU-87 consists of a single backfilled trench (500 by 30 feet) and has been backfilled to approximately 2.5 feet above grade with a mixture of soil and debris. Metals, SVOCs, and diisopropylmethylphosphonate (DIMP) were detected in the soil during Phase I investigations. SWMU-89 consists of a 200-foot by 75-foot pile of asphalt with some bricks, a coal pile (25 feet in diameter), and two 5-gallon buckets of tar. Warning signs were placed at the site in 1996. Since then groundwater monitoring has been conducted. Low levels of VOCs have been detected, but do not appear to be migrating. Cone penetrometer and hydropunch groundwater investigation work was performed in FY01. Soil and landfill gas investigation work was performed in FY02.

Covering the landfill trenches is complete for closure of this site. DPG obtained a variance from the UDEQ for a non-engineered cover.

## CLEANUP/EXIT STRATEGY

LTM will continue on the fence and cover maintenance system for the duration of the 30-year LTM cycle.

Site ID: DPG-038

Site Name: DECON PAD, SOUTH OF DITTO TECH CENTER

**STATUS**

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Metals, Volatiles (VOC)

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	198601.....	198802
CS.....	198905.....	199609
RFI/CMS.....	199609.....	200208
DES.....	200304.....	200310
IRA.....	198802.....	198802
CMI(C).....	200310.....	200503
CMI(O).....	200310.....	200503
LTM.....	200701.....	203701

RIP Date: 200503

RC Date: 200503

**SITE DESCRIPTION**

Based on industrial risk-based concentrations, NFA is required for soils.

**CLEANUP/EXIT STRATEGY**

Groundwater is being tracked under the Ditto GMA. Funds for the Ditto GMA are included in DPG-097.



**Site ID: DPG-039**

**Site Name: LANDFILL NORTH OF AVERY**

**STATUS**

**Regulatory Driver:** RCRA

**RRSE:** HIGH

**Contaminants of Concern:** Explosives, Metals, Volatiles (VOC)

**Media of Concern:** Groundwater, Soil

<b>Phases</b>	<b>Start</b>	<b>End</b>
RFA.....	198601.....	198802
CS.....	198905.....	199609
RFI/CMS.....	199609.....	200307
DES.....	200211.....	200704
IRA.....	199205.....	199205
CMI(C).....	200702.....	200709
LTM.....	200909.....	203909

**RIP Date:** N/A

**RC Date:** 200709

**SITE DESCRIPTION**

DPG-039 is an inactive landfill (4 acres) located approximately 2,300 feet northeast of the ATC. It was in use from 1950 until 1985. Engineering drawings of the unit are not available, so dimensions are based on field measurements. The small landfill covers an area that is approximately 300 by 600 feet and can be accessed from unimproved roadways. The disposal area, which consists of several unlined trenches, is excavated in native soil. Other features at the site are four soil mounds scattered in the vicinity of a 60-foot by 15-foot concrete pad whose original purpose is unknown. Reportedly, hazardous materials were disposed at the landfill from sometime in the 1950s to 1985.

An IRA of waste removal occurred in 1992. The design for the cap was modified in February 2006 and implemented in 2007. LTM at the site began in 2008.

**CLEANUP/EXIT STRATEGY**

Groundwater monitoring and cover maintenance are ongoing and will continue as needed to the end of the 30-year LTM period.

Site ID: DPG-043

## Site Name: OLD LANDFILL FOR ENGLISH VILLAGE

### STATUS

Regulatory Driver: RCRA

RRSE: HIGH

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

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	198601.....	198802
CS.....	198905.....	199609
RFI/CMS.....	199609.....	200309
DES.....	199808.....	200309
IRA.....	199205.....	199205
CMI(C).....	200109.....	200408
LTM.....	200508.....	203408

RIP Date: N/A

RC Date: 200408

### SITE DESCRIPTION

DPG-043, known as the Old English Village Landfill, is a 70-acre area located 1.5 miles south of English Village. This site is situated over a productive high quality groundwater source. There are numerous gravel and dirt roads throughout the site, including two east-west roads that run along the northern boundary and close to the center of the site. DPG-043 was in operation from the early-1950s to 1987. It was used to manage miscellaneous refuse from all DPG areas and was the primary landfill for English Village. Other major waste generators included the Avery, DTC, and Baker areas, with significant minor contributions from the Carr Facility and Michael Army Airfield (AAF). Due to the nature of services and testing at these facilities, hazardous wastes may have been disposed here. Typical materials would have included biological and chemical wastes, oil cans, test area refuse, fly ash from the Baker incinerator and sludge from the English Village gas station sump. Surface features of the landfill include numerous linear trenches, soil and debris piles, with some protruding sanitary and household waste. In addition, there is a large pile of asphalt rubble, and an asbestos disposal area located within the landfill.

Warning signs were placed at the site in 1992. The groundwater monitoring conducted since 1996 at DPG-043 has not detected any significant contamination. In 2003 and 2004, construction debris [40,000 cubic yards (cy)] from DPG-042 was relocated to DPG-043. Debris was removed and the site was capped in winter 2004.

### CLEANUP/EXIT STRATEGY

DPG-043 is used to track liabilities for the English Village GMA, which includes sites DPG-043, DPG-044, DPG-069, DPG-128, and DPG-102.

Groundwater monitoring, cover maintenance, and five-year reviews are ongoing and will continue as needed to the end of the 30-year LTM period.

Site ID: DPG-044

## Site Name: OLD STP FOR ENGLISH VILLAGE

### STATUS

Regulatory Driver: RCRA

RRSE: HIGH

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

Media of Concern: Groundwater

Phases	Start	End
RFA.....	199107.....	199111
CS.....	199210.....	199610
RFI/CMS.....	199610.....	200512
LTM.....	200512.....	203512

RIP Date: N/A

RC Date: 200512

### SITE DESCRIPTION

SWMU-44 is an inactive, abandoned sewage treatment plant (STP) located southwest of English Village. The facility operated from 1952 through 1964 to treat sanitary sewage and domestic wastewaters generated at English Village. SWMU-44 was originally listed as two separate SWMUs (SWMU-44 and SWMU-68) in the draft RCRA Part B permit, but these two SWMUs were combined into one due to their proximity. This Phase II report includes the results from several discrete areas (in addition to the abandoned STP designated as SWMU-44/68 in the Phase I report by Parsons) that are related to the abandoned STP either by proximity or by related processes. This site is closed NFA.

### CLEANUP/EXIT STRATEGY

Funds for the English Village GMA are included in DPG-043.

Groundwater monitoring is ongoing and will continue as needed to the end of the 30-year LTM period.

**Site ID: DPG-052**

**Site Name: WASTE BURIAL SITES (EAST SE OF CARR)**

**STATUS**

**Regulatory Driver:** RCRA

**RRSE:** HIGH

Contaminants of Concern: Chemical weapon munitions (CWM)/Chemical agent, Explosives, Volatiles (VOC)

Media of Concern: Groundwater, Soil

<b>Phases</b>	<b>Start</b>	<b>End</b>
RFA.....	199107.....	199111
CS.....	199210.....	199610
RFI/CMS.....	199610.....	200603
DES.....	200603.....	200607
IRA.....	199305.....	199310
CMI(C).....	200608.....	200709
LTM.....	200909.....	203909

**RIP Date:** N/A

**RC Date:** 200709

**SITE DESCRIPTION**

This burial site in the Carr area covers 2 acres and was active during the 1940s. The disposal area includes seven backfilled trenches, several soil mounds, a former German bomb storage area, and munitions debris. As part of a 1993 base contract, surface debris was removed. The debris consisted of empty World War II German bombs, empty 55-gallon fog oil drums, munitions debris, and miscellaneous debris.

Approximately 6.5 tons of empty drums were hauled to the DRMO, 25 tons of munitions debris and empty bombs were disposed as FY99 waste at the Grassy Mountain facility, and the remaining four tons of debris were taken to the DPG landfill. Phase I activities were deferred upon discovery of a white phosphorous round and a mustard (HE) round, which were subsequently destroyed on-site. Chemical agent (mustard) and ABPs were detected in the soil. TCE was detected in the groundwater.

This site was included in the FY06 PBA award.

DPG-052 is in the Carr GMA. Funds for the Carr GMA are maintained in DPG-061.

Cap inspection and maintenance is continuing during LTM. Groundwater is being tracked under the Carr GMA. Funds for the Carr GMA are included in DPG-061.

**CLEANUP/EXIT STRATEGY**

Groundwater monitoring and cover maintenance are ongoing and will continue to the end of the 30-year LTM period. Groundwater will be sampled on a five-year schedule starting in 2018 (CARR GMA) based on the five-year GMA review outcome.

Site Name: DISPOSAL AREA(S), EAST OF CARR FACILITY

**STATUS**

Regulatory Driver: RCRA  
RRSE: HIGH  
Contaminants of Concern: Metals  
Media of Concern: Soil

Phases	Start	End
RFA.....	199107.....	199111
CS.....	199210.....	199610
RFI/CMS.....	199610.....	200309
DES.....	200602.....	200607
CMI(C).....	200607.....	200709
LTM.....	200909.....	203909
<b>RIP Date:</b> N/A		
<b>RC Date:</b> 200709		

**SITE DESCRIPTION**

This site of approximately 9.5 acres is located in the Carr area. It was active from the 1960s to 1970s. The disposal area consists of three unlined backfilled trenches reported to contain chemical agent-contaminated materials, including munitions.

Phase I activities were deferred upon discovery of UXO scattered on the surface. During the Phase II RFI, angle borings were used. The surface and subsurface soil does not show a risk and meets clean closure requirements. The Phase II RFI report was approved in October 2003.

This site was included in the FY06 PBA award.

Approximately 1 acre of the site, which was capped in 2007, requires monitoring during LTM.

**CLEANUP/EXIT STRATEGY**

Cover maintenance is ongoing and will continue as needed to the end of the 30-year LTM period.

**Site ID: DPG-055**

**Site Name: 3X DISPOSAL SITE, E OF CARR FACILITY**

**STATUS**

**Regulatory Driver:** RCRA

**RRSE:** HIGH

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

Media of Concern: Groundwater, Soil

<b>Phases</b>	<b>Start</b>	<b>End</b>
RFA.....	198601.....	198802
CS.....	198905.....	199609
RFI/CMS.....	199609.....	200602
DES.....	200701.....	200705
CMI(C).....	200703.....	200709
LTM.....	200909.....	203909

**RIP Date:** N/A

**RC Date:** 200709

**SITE DESCRIPTION**

HWMU-55 is an inactive landfill located approximately one mile southeast of the Carr Facility. The unit is located approximately 1,800 feet southeast of the Carr Facility's Open Burning Area (HWMU 90) and approximately 3,000 feet west of the West Pile East of Carr (corrective actions SWMU 53). The topography at HWMU 55 is nearly flat, sloping very gently to the west. There is a small drainage approximately 500 feet to the north that runs through HWMU 90. The HWMU consists of two parallel trenches, each with approximate surface dimensions of 400 feet by 70 feet. The trenches are oriented in a north-south direction and are spaced approximately 75 feet apart. HWMU 55 encompasses a total area of approximately 600 feet by 400 feet. Access to HWMU 55 is limited to a single dirt road originating in the Carr Facility.

Capping waste in place exists at this site. Remediation efforts under PBA II concluded in 2007.

Groundwater at DPG-055 is monitored through the Carr GMA (DPG-061).

**CLEANUP/EXIT STRATEGY**

Groundwater monitoring and cover maintenance are ongoing and will continue to the end of the 30-year LTM period. Groundwater will be sampled on a five-year schedule starting in 2018 (CARR GMA) based on the five-year GMA review outcome.

Site ID: DPG-056

## Site Name: STORAGE SITE, E OF CARR FACILITY

### STATUS

Regulatory Driver: RCRA

RRSE: MEDIUM

Contaminants of Concern: Chemical weapon munitions (CWM)/Chemical agent, Explosives

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	199107.....	199111
CS.....	199210.....	199610
RFI/CMS.....	199610.....	200510
DES.....	200602.....	200607
CMI(C).....	200608.....	200709
LTM.....	200909.....	203909

RIP Date: N/A

RC Date: 200709

### SITE DESCRIPTION

This 10.4-acre site of waste piles is located in the Carr area and was active during the 1970s. The disposal area consisted of eight detonation craters, a backfilled trench (with another trench suspected), as well as former piles of debris. There is an additional trench located across the road.

In 1993, 145 tons of debris (under base contract) consisting of 105mm shell casings, propellant charge cans, and lids were taken to the DRMO, as well as miscellaneous debris taken to the DPG landfill. ABPs were detected in soil samples from four detonation craters. A nearby pile of illumination flare debris was not identified in the RFA, but is being investigated in conjunction with this site. The illumination flare debris is referred to as DPG-056B. Test pitting in the area led to the discovery of buried waste.

There is a chloroform plume in the groundwater. Explosives and ABPs have been detected in the soil.

The RFI was approved in October 2005 and nine areas were capped in FY06.

This site was included in the FY06 PBA award.

### CLEANUP/EXIT STRATEGY

Groundwater will be monitored under the Carr GMA (funded under DPG-061).

Groundwater monitoring and cover maintenance are ongoing and will continue to the end of the 30-year LTM period. Groundwater will be sampled on a five-year schedule starting in 2018 (CARR GMA) based on the five-year GMA review outcome.

Site ID: DPG-058

Site Name: EVAPORATION POND @ CARR FACILITY

STATUS

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Metals, Volatiles (VOC)

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	198601.....	198802
CS.....	199111.....	199609
RFI/CMS.....	199609.....	200603
DES.....	200610.....	200705
IRA.....	198802.....	200103
CMI(C).....	200608.....	200709
LTM.....	200909.....	203909

RIP Date: N/A

RC Date: 200709

SITE DESCRIPTION

DPG-058 is an inactive surface impoundment (used from 1965 to 1986) which had previously been used for evaporative disposal of decontaminated toxic waste solutions generated by various facilities, including the Toxic Agent Transfer Building in the Carr Facility. The original pond was a shallow impoundment [approximately 160 feet (top of each side) by 120 feet (bottom of each side) by 6 feet deep] which averaged 150 feet by 150 feet by 6 feet deep at the bottom of a large excavated area. The unit was last used in 1986, after which it was retrofitted to include a double liner and a leachate collection system. The retrofitted unit was never used.

Warning signs and fencing were placed at the site in 1988. Groundwater monitoring has been conducted at DPG-058 since 1996. In response to a 1998 notice of violation, the observation sump was emptied and decontaminated. Additional soil and groundwater investigation activities were completed in September 2004.

This site was included in the FY06 PBA II award. Remediation included bringing the pond level up to surface grade.

CLEANUP/EXIT STRATEGY

Groundwater is being tracked under the Carr GMA. Funds for the Carr GMA are included in DPG-061.

Groundwater monitoring and cover maintenance are ongoing and will continue to the end of the 30-year LTM period. Groundwater will be sampled on a five-year schedule starting in 2018 (CARR GMA) based on the five-year GMA review outcome.



Site ID: DPG-061

Site Name: CONTAMINATED SOIL @NEW CARR FACILITY

STATUS

Regulatory Driver: RCRA

RRSE: MEDIUM

Contaminants of Concern: Chemical weapon munitions (CWM)/Chemical agent, Volatiles (VOC)

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	199107.....	199111
CS.....	199210.....	199610
RFI/CMS.....	199610.....	200906
LTM.....	200909.....	203809

RIP Date: N/A

RC Date: 200909

SITE DESCRIPTION

This 1.1-acre former drainfield and dry well is located in the Carr area and was active prior to 1986. Contamination at this site was first noted during construction of Buildings 3242 and 3244. In 1986, over 600 cy of HD-contaminated soil was excavated and moved to Pad 7 (DPG-059) under base contract. Ultimately the soil was disposed of at the Grassy Mountain facility. Red dirt stored at DPG-059 was generated here.

During the Phase II, a large plume of TCE (7 ppm) was discovered in the groundwater. The plume appears to be migrating cross-gradient. Additional groundwater investigation work was completed in December 2001 to better define the extent of groundwater contamination.

CLEANUP/EXIT STRATEGY

Groundwater monitoring for the Carr GMA is included in the LTM.

DPG-061 is used to track liabilities for the Carr GMA, which includes DPG-052, DPG-055, DPG-056, DPG-058, DPG-060, DPG-061, DPG-079, DPG-180, and DPG-207.

Groundwater monitoring, cover maintenance, and five-year reviews are ongoing and will continue as needed to the end of the 30-year LTM period.

Site ID: DPG-079

## Site Name: WASTE PILE (SW OF LITTLE GRANITE MTN)

### STATUS

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Metals, Volatiles (VOC)

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	199107.....	199111
CS.....	199210.....	199610
RFI/CMS.....	199610.....	200606
DES.....	200606.....	200705
CMI(C).....	200703.....	200709
LTM.....	200909.....	203909

RIP Date: N/A

RC Date: 200709

### SITE DESCRIPTION

This 30-acre waste pile site in the Carr area, also known as Old Lincoln Highway Landfill, was active in various areas from the 1940s through 1970. Due to their proximity and similarities, DPG-057, DPG-079, DPG-080, and DPG-106 have been combined into this one site, DPG-079. The disposal area consists of numerous open trenches, backfilled trenches, soil mounds, debris piles, areas of stained soil, and a disturbed area. The area was used to dispose of wastes from chemical testing activities. The disposal area is also known to be within an inactive chemical agent HD mortar impact area. Biological warfare (anthrax simulant) bomblets are also present at the site.

To date, Phase II RFI activities have included angle borings under disposal trenches, surface soil sampling, direct-push groundwater sampling, lithologic profiling, and installation of monitoring wells. There are high levels of chlorinated solvents in the groundwater in an otherwise productive aquifer.

This site was included in the FY06 PBA award.

### CLEANUP/EXIT STRATEGY

Groundwater is being tracked under the Carr GMA. Funds for the Carr GMA are included in DPG-061.

Groundwater monitoring and cover maintenance are ongoing and will continue to the end of the 30-year LTM period. Groundwater will be sampled on a five-year schedule starting in 2018 (CARR GMA) based on the five-year GMA review outcome.

Site ID: DPG-090

Site Name: BURNING AREA, EAST OF CARR FAC(EPIC-10E)

STATUS

Regulatory Driver: RCRA

RRSE: HIGH

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

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	199107.....	199111
CS.....	199107.....	199609
RFI/CMS.....	199609.....	200307
DES.....	200506.....	200510
IRA.....	199205.....	199205
CMI(C).....	200505.....	200608
LTM.....	200706.....	203610

RIP Date: N/A

RC Date: 200608

SITE DESCRIPTION

DPG-090 is composed of three elongated mounds within an oval-shaped area approximately 800 by 400 feet. The site was active from the early-1960s to 1985. This unit was used to dispose of range clearance materials and to burn wastes from the Carr Facility and the ranges. Wastes consisted of the following:

- ordnance - propellants - decontamination solutions
- illumination rounds - scrap metal - miscellaneous 3X debris
- debris collected during range- clearance activities

Materials were burned upon placement in pits. In 1994, scattered surface debris was hauled to a gondola (roll-off bin) at DPG-194 and then disposed off-site. No open detonation took place at the site.

Warning signs were placed at the site in 1992. Groundwater monitoring has been conducted at DPG-090 since 1996. Significant contamination has not been detected. Slant borings were conducted under the trench in FY02; significant contamination was not detected. The waste in the trenches has not been sampled. Data gap sampling took place in FY03.

The site was capped in November 2005.

CLEANUP/EXIT STRATEGY

Cover maintenance is ongoing and will continue as needed to the end of the 30-year LTM period.

Site ID: DPG-097

## Site Name: DRAINFIELD & DECONTAMINATION PAD (AVERY)

### STATUS

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Metals, Volatiles (VOC)

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	199107.....	199111
CS.....	199210.....	199610
RFI/CMS.....	199610.....	200709
LTM.....	200709.....	203609

RIP Date: N/A

RC Date: 200709

### SITE DESCRIPTION

This 2.5-acre abandoned drain field located in the DTC area was active from 1940 to 1959. A decontamination pad was reportedly associated with the drain field, but is no longer present. The drain field is located adjacent to the runway at Michael AAF, where aircraft decontamination activities are known to have taken place.

Arsenic was the only contaminant detected above the screening level during Phase I activities, and is believed to reflect higher background levels in the area. A chlorinated solvent plume was discovered during Phase II RFI activities.

DPG-097 is the site under which the Ditto GMA is funded. The Ditto GMA includes: DPG-36, 38, 133, and 177.

### CLEANUP/EXIT STRATEGY

Groundwater monitoring and five-year reviews are ongoing and will continue as needed to the end of the 30-year LTM period.

Site ID: DPG-128

Site Name: PESTICIDE STORAGE BLDG, ENGLISH VIL

## STATUS

Regulatory Driver: RCRA

RRSE: LOW

Contaminants of Concern: Metals, Pesticides, Volatiles (VOC)

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	198601.....	198802
CS.....	198905.....	199609
RFI/CMS.....	199609.....	200209
DES.....	199808.....	200209
IRA.....	198802.....	200103
CMI(C).....	200206.....	200407
LTM.....	200709.....	203609

RIP Date: N/A

RC Date: 200407

## SITE DESCRIPTION

DPG-128, known as the Pesticide Storage Building 5658, Septic Tank, and Drain field, is located on the southwestern margin of English Village, south of Stark Road and west of Manookin Road. The septic system is currently active and is proposed to remain active following closure of the HWMU. The HWMU is located between the STP (SWMUs 44 and 68) and the aboveground POL tanks (SWMU 69) and is approximately 2,300 feet southwest of the English Village Steam Cleaning Area.

## CLEANUP/EXIT STRATEGY

Groundwater is being tracked under the English Village GMA. Funds for the English Village GMA are included in DPG-043.

Site Name: HWHA-3 (AIRCRAFT MAINT-SHOP WASTES)

**STATUS**

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Volatiles (VOC)

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	199107.....	199111
CS.....	199210.....	199610
RFI/CMS.....	199610.....	200709
LTM.....	200709.....	203601

RIP Date: N/A

RC Date: 200709

**SITE DESCRIPTION**

This area, which was used to dispose of wastes (most likely aircraft maintenance waste from a drain line exiting the hangar) has been in use since 1950. The area outside the fenced storage building in the Avery Area near Michael AAF (west of the hangar) also was used for waste storage. A new storage facility was built in 1988 and is now used for storing waste.

A source area for the tetrachloroethylene (PCE) plume coincides with the location of the former waste storage area and also the outfall of the drain line.

During Phase II activities, a groundwater plume containing high levels of solvents was detected. The source appears to be past aircraft maintenance activities. The groundwater plume appears to be stable.

This site is a 90-day hazardous waste storage area and was previously considered ineligible for Defense Environmental Restoration Account (DERA) funding, but records indicate the site was contaminated prior to RCRA and the UDEQ requires investigation in Phase II.

LTM costs are included in DPG-097 for the DTC GMA.

**CLEANUP/EXIT STRATEGY**

Groundwater monitoring is ongoing and will continue as needed to the end of the 30-year LTM period. Groundwater will be sampled on a five-year schedule starting in 2018 (CARR GMA) based on the five-year GMA review outcome.

Site ID: DPG-192

## Site Name: Disposal Pits - 63 PITS W GRANITE

### STATUS

Regulatory Driver: RCRA

RRSE: MEDIUM

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

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	199207.....	199307
CS.....	199307.....	199610
RFI/CMS.....	199610.....	200904
DES.....	200803.....	200906
CMI(C).....	200803.....	201112
LTM.....	201212.....	204209

RIP Date: N/A

RC Date: 201206

### SITE DESCRIPTION

This 75-acre site, located in the Granite Mountain area, was active from an uncertain time until the mid-1970s. The area was used to store toxic residue from open-air testing of agent munitions performed at Dugway prior to the 1969 ban. Two containers suitable for transport were used for this purpose. The site was also used during the demilitarization of 36,000 M55 rockets which were destroyed by burning in 61 open trenches. The 61 burn pits used in the demilitarization of M55 rockets were excavated and material removed between 1975 and 1976. The material was screened and transported to DPG-009 for detonation or neutralization, depending on contents.

Explosives, ABPs, and metals have been detected in soils.

Remediation activities (capping) were completed in December 2011.

The Phase II RFI was completed June 2009.

### CLEANUP/EXIT STRATEGY

Groundwater monitoring and cover maintenance are ongoing and will continue as needed to the end of the 30-year LTM period.

**Site ID: DPG-194**  
**Site Name: Burial Site, EAST OF CARR**

**STATUS**

**Regulatory Driver:** RCRA

**RRSE:** HIGH

**Contaminants of Concern:** Chemical weapon munitions (CWM)/Chemical agent

**Media of Concern:** Soil

<b>Phases</b>	<b>Start</b>	<b>End</b>
RFA.....	199307.....	199410
CS.....	199307.....	199610
RFI/CMS.....	199610.....	200412
DES.....	200602.....	200607
CMI(C).....	200608.....	200709
LTM.....	200909.....	203909

**RIP Date:** N/A

**RC Date:** 200709

**SITE DESCRIPTION**

This site, consisting of three separate sites (A, B, and C) representative of the three trenches, is located in the Carr area and is believed to have been active during the 1940s. The trenches are suspected of containing chemical munitions. Partially buried debris, including miscellaneous metal scrap, bomb and incendiary fragments, and gas cylinder fragments were observed at all three trench sites. Substantial geophysical anomalies were detected at all three sites. Area B contains a 3-foot high soil mound and an area of purple-stained soil within the trench.

The three areas have uncharacterized waste that has not been sampled. The final RFI was approved in September 2004. The permit was modified in September 2004.

This site was included in the FY06 PBA award.

Soil cover of the three separate areas containing nine trenches was completed in 2007.

**CLEANUP/EXIT STRATEGY**

Cover maintenance is ongoing and will continue as needed to the end of the 30-year LTM period.



**Site ID: DPG-197**

**Site Name: DISP. PIT,TARGET SITE, DWND GRID**

## STATUS

**Regulatory Driver:** RCRA

**RRSE:** MEDIUM

Contaminants of Concern: Chemical weapon munitions (CWM)/Chemical agent, Volatiles (VOC)

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	199307.....	199404
CS.....	199307.....	199610
RFI/CMS.....	199610.....	200604
DES.....	200610.....	200705
CMI(C).....	200707.....	200804
LTM.....	200909.....	203909

**RIP Date:** N/A

**RC Date:** 200804

## SITE DESCRIPTION

This half-acre site is located in the Downwind Grid area; the active dates are unknown. The site consists of a backfilled trench (100 feet by seven feet), and a rectangular pad (100 feet by 20 feet) made of Marston matting. The pad may have been used as a decontamination pad. Ordnance debris is scattered across the site.

A chlorobenzene plume (200 feet by 70 feet) has been detected in groundwater. The trench wastes have not been sampled due to the risk of UXO-related materials.

Removal of the matting and sampling was completed in summer 2003. Final approval of the RFI was obtained in April 2006.

This site was included in the FY06 PBA II award. Restoration is complete and included capping of the trench, removal of debris, and maintenance of cap to ensure no exposure to buried waste.

The anchor site for GMA requirements is DPG-002.

## CLEANUP/EXIT STRATEGY

Cover maintenance is ongoing and will continue as needed to the end of the 30-year LTM period.

**Site ID: DPG-199**  
**Site Name: OLD OB/OD EAST OF SWMU17**

**STATUS**

**Regulatory Driver:** RCRA

**RRSE:** MEDIUM

**Contaminants of Concern:** Explosives, Metals, Volatiles (VOC)

**Media of Concern:** Soil

<b>Phases</b>	<b>Start</b>	<b>End</b>
RFA.....	199307.....	199410
CS.....	199307.....	199610
RFI/CMS.....	199610.....	200610
DES.....	200610.....	200705
IRA.....	199606.....	199806
CMI(C).....	200608.....	200709
LTM.....	200904.....	203809

**RIP Date:** N/A

**RC Date:** 200709

**SITE DESCRIPTION**

Remediation under PBA II included UXO surface removal, pit and pond backfill, rerouting of surface drainage, removal of surface TNT contamination, and capping of one landfill area.

LTM costs are covered under PBA II through 2015.

**CLEANUP/EXIT STRATEGY**

Surface soils have been cleaned up to an industrial risk standard. Periodic surface UXO inspections are required for the duration of the 30 year LTM period.

Cover maintenance is ongoing and will continue as needed to the end of the 30-year LTM period.

**Site ID: DPG-200**

**Site Name: BURIAL SITE, SOUTHEAST OF CARR**

## STATUS

**Regulatory Driver:** RCRA

**RRSE:** HIGH

**Contaminants of Concern:** Metals

**Media of Concern:** Soil

<b>Phases</b>	<b>Start</b>	<b>End</b>
RFA.....	199307.....	199512
CS.....	199307.....	199610
RFI/CMS.....	199610.....	200411
DES.....	200602.....	200607
CMI(C).....	200608.....	200709
LTM.....	200909.....	203909

**RIP Date:** N/A

**RC Date:** 200709

## SITE DESCRIPTION

This 0.7-acre burial site is located in the Carr area and was active from the 1940s to 1960s. The site consists of two backfilled trenches (each approximately 100 feet by 20 feet), two soil mounds, and four metal drums.

Munitions and drums were visible in the trenches during Phase I activities. Information regarding past uses of the site was not available during the Phase I investigation. The wastes have not been sampled due to UXO concerns. The Phase II RFI was approved in October 2003. The draft final CMS was submitted to DSHW in July 2003.

This site's LTM costs are included in the FY06 PBA award until 2016.

A GCL cover was constructed in FY06.

## CLEANUP/EXIT STRATEGY

Cover maintenance is ongoing and will continue as needed to the end of the 30-year LTM period.

**Site ID: DPG-201**  
**Site Name: CAMEL'S BACK CAVE**

**STATUS**

**Regulatory Driver:** RCRA

**RRSE:** MEDIUM

**Contaminants of Concern:** Chemical weapon munitions (CWM)/Chemical agent, Explosives, Metals

**Media of Concern:** Soil

<b>Phases</b>	<b>Start</b>	<b>End</b>
RFA.....	199307.....	199308
CS.....	199307.....	199610
RFI/CMS.....	199610.....	200709
IRA.....	200604.....	200608
LTM.....	200806.....	203709

**RIP Date:** N/A

**RC Date:** 200709

**SITE DESCRIPTION**

This 1-acre site is a cave located in the Tower Grid area and was active from 1945 to the 1950s. The site consists of a two-chambered cave connected by a man-made tunnel. The cave was reportedly used to study the effects of chemical weapon systems on tunnel fortifications. Numerous chemical weapons were tested at the site; munitions fragments, smoke canisters, wiring, scrap wood, and other debris is scattered across the site.

Explosives, ABPs, and metals were detected in shallow soil samples collected during Phase I activities. A low level detection of mustard was identified during the Phase II RFI.

The opening of the cave was fenced during the summer of 2006.

**CLEANUP/EXIT STRATEGY**

LTM requires an annual site inspection which will be executed for the duration of the 30-year cycle.

**Site ID: DPG-204**

**Site Name: LEWISITE AREA, SIMPSON BUTTES**

**STATUS**

**Regulatory Driver:** RCRA

**RRSE:** MEDIUM

Contaminants of Concern: Chemical weapon munitions (CWM)/Chemical agent, Munitions and explosives of concern (MEC)

Media of Concern: Soil

<b>Phases</b>	<b>Start</b>	<b>End</b>
RFA.....	199511.....	199701
CS.....	199704.....	199709
RFI/CMS.....	199701.....	200902
DES.....	200804.....	200906
IRA.....	199609.....	200912
CMI(C).....	200804.....	201509
LTM.....	201509.....	204409

**RIP Date:** N/A

**RC Date:** 201509

**SITE DESCRIPTION**

DPG-204 is located on the southwest corner of Simpson Buttes. It was a demilitarization area for 105mm, 155mm and 4.2-inch mortar chemical rounds. The 0.2-acre area was reportedly active in the late-1940s. The demilitarized rounds were all reported to have contained lewisite. A pile of rusted chlorinated lime bleach cans is located at this site.

IRAs in 1996 consisted of the overpacking and removal of 16 suspect lewisite liquid-filled dud rounds with fencing and warning signs placed in 1996. The rounds were transported to Igloo G in Carr for storage. HD and ABPs were detected in the soil.

Soil samples taken in 1994 indicated the presence of chemical agent.

Munitions and explosives of concern (MEC) and debris are present at the site. Remediation will include covered waste in place.

Surface MEC was consolidated under the installed cover which was completed in December 2011.

The Phase II RFI was complete in July 2012. Based on a DSHW agreement, an area on the west end of the cap will need a small removal and confirmation sampling due to arsenic levels that exceed risk.

Initial soil/debris removal and capping in the corrective measures implementation (construction) [CMI(C)] phase was completed in FY11 to achieve RC .

**CLEANUP/EXIT STRATEGY**

A small soil removal and confirmation sampling effort is still required for complete site closure and has been funded.

Cover maintenance is ongoing and will continue as needed to the end of the 30-year LTM period.

Site Name: DISPOSAL TRENCHES AND MOUNDS, CARR

STATUS

Regulatory Driver: RCRA

RRSE: HIGH

Contaminants of Concern: Chemical weapon munitions (CWM)/Chemical agent, Munitions and explosives of concern (MEC), Volatiles (VOC)

Media of Concern: Groundwater, Soil

Phases	Start	End
RFA.....	199611.....	199701
CS.....	199704.....	199709
RFI/CMS.....	199701.....	200510
DES.....	200602.....	200607
CMI(C).....	200608.....	200709
LTM.....	200909.....	203909

RIP Date: N/A

RC Date: 200709

SITE DESCRIPTION

DPG-207, located between Carr Facility (Building 3445) and the evaporation pond (DPG-058), contains numerous burial trenches and mounds of suspected MEC and possible chemical agents (P999/F999 waste\*). The site covers 1 to 2 acres and is covered with surface debris consisting of scrap metal, ordnance fragments, half-buried ordnance, glass and wood. The dates of disposal at this site are unknown; however, ground scarring can be observed on aerial photographs dating back as early as 1950.

TCE and carbon tetrachloride have been detected in the groundwater. The site is part of the Carr GMA. There are 10 trenches of uncharacterized waste. Additional delineation was completed in FY03.

This site was included in the FY06 PBA award.

Corrective measures implementation (CMI) included soil cover and debris removal. LTM began in 2008 and includes cap inspection and maintenance.

\* P999 and F999 are listed waste codes used by the Utah DSHW to describe agent-contaminated waste.

CLEANUP/EXIT STRATEGY

Groundwater is being tracked under the Carr GMA. Funds for the Carr GMA are included in DPG-061.

Groundwater monitoring and cover maintenance are ongoing and will continue as needed to the end of the 30-year LTM period. This site will be sampled on a five-year schedule starting in 2018 (CARR GMA) based on the five-year GMA review outcome.

**Site ID: DPG-213**  
**Site Name: BURIAL TRENCH, TARGET S**

**STATUS**

**Regulatory Driver:** RCRA  
**RRSE:** MEDIUM  
Contaminants of Concern: Metals  
Media of Concern: Soil

<b>Phases</b>	<b>Start</b>	<b>End</b>
RFA.....	199611.....	199701
CS.....	199704.....	199709
RFI/CMS.....	199701.....	200409
DES.....	200602.....	200607
CMI(C).....	200608.....	200704
LTM.....	200909.....	203909
<b>RIP Date:</b>	N/A	
<b>RC Date:</b>	200704	

**SITE DESCRIPTION**

DPG-213 is a 2-acre landfill site with a burial trench located approximately 0.2 miles northeast of November Road, west of Target S. The site consists of a low relief mound approximately 200 feet by 40 feet and was used from the 1950s to the 1970s. Scattered metal debris, including M55 and Hedgehog rocket parts, is visible on the ground surface near the south end of the mounded area. The middle one-third of the mound has subsided.

A GCL soil cover of approximately 1 acre was constructed in FY06.

This site was included in the FY06 PBA award.

**CLEANUP/EXIT STRATEGY**

Cover maintenance is ongoing and will continue as needed to the end of the 30-year LTM period.

**Site ID: DPG-215**

**Site Name: PIGEON LOFT TRENCHES, DOWNWIND GRID**

**STATUS**

**Regulatory Driver:** RCRA

**RRSE:** MEDIUM

**Contaminants of Concern:** Explosives

**Media of Concern:** Soil

<b>Phases</b>	<b>Start</b>	<b>End</b>
RFA.....	199611.....	199701
CS.....	199704.....	199709
RFI/CMS.....	199701.....	200409
DES.....	200602.....	200607
CMI(C).....	200608.....	200704
LTM.....	200909.....	203909

**RIP Date:** N/A

**RC Date:** 200704

**SITE DESCRIPTION**

DPG-215 consists of two possible separate backfilled trenches and is located on Pigeon Loft Road by the remnants of the former pigeon loft. The pigeon loft was a metal building on a concrete foundation that housed pigeons used in test operations in the 1960s. An area of disturbed ground with no vegetation, approximately 150 feet by 40 feet, lies perpendicular to the foundation. A second trench is located approximately 275 feet north of the concrete slab, on the north side of the road. Two metal drum stands and a metal table are located at the surface at this site. Partially buried material such as metal piping and scrap metal are also visible at the surface. Numerous magnetic anomalies were detected using a metal detector.

Low levels of explosives have been detected in the groundwater. The waste has not been sampled. The final RFI was approved in September 2004.

This site was included in the FY06 PBA award.

A GCL soil cover was constructed in FY06.

**CLEANUP/EXIT STRATEGY**

Cover maintenance is ongoing and will continue as needed to the end of the 30-year LTM period.



## Site Closeout (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
DPG-001	SCRAP CONSTRUCTION MAT FILL FROM V-GRID	200108	THIS SITE HAS BEEN COMBINED WITH DPG-003 DUE TO ITS PROXIMITY AND SAME CONTAMINANTS. DD WASTE REMOVAL SEPTEMBER 2006
DPG-004	OLD BAKER LAB @ NORTH GRANITE PEAK	201009	Phase II RFI and Permit Modification.
DPG-005	CONTAMINATED MAT BURIAL SITE (V-GRID)	200008	THIS SITE HAS BEEN CONSOLIDATED WITH DPG-003. DD WASTE REMOVAL SEPTEMBER 2006
DPG-007	BRINE VATS, WEST OF GRANITE PEAK	200303	ALL FIELDWORK COMPLETED AT THIS SITE. DD DPG-007 JUL 2001
DPG-008	BURIAL SITE WEST GRANITE PEAK	200609	Phase II RFI Report and Permit Modifications
DPG-009	STORAGE SITE 3X SCRAP MATERIAL	201206	Corrective Measure Implementation Report and Permit Modification.
DPG-010	LOW LEVEL RAD LANDFILL, WEST OF GRANITE	200401	STUDY COMPLETED, NO CLEANUP REQUIRED. DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEP 2006
DPG-012	LOW LEVEL RAD LANDFILL, SE GRANITE PEAK	199909	Phase I RFI Report and Permit Modification
DPG-013	DECON PAD, JCT DOWNWIND W & LIMA ROADS	200109	Phase I RFI Report and Permit Modification
DPG-015	RISING SUN TEST AREA	200909	Final Phase II RCRA Facility Investigation Report. Permit Modification.
DPG-016	DECON PAD, JCT EAST DOWNWIND & HWY 102	200509	Phase II RFI Report and Permit Modification
DPG-018	DISPOSAL SITE @ SE TOWER GRID	200709	Final Corrective Measures Implementation Report and Permit Modification.
DPG-019	DISPOSAL SITE @ NE TOWER GRID	200709	Final Corrective Measures Implementation Report and Permit Modification.
DPG-020	LANDFILL NORTH OF CAMELBACK RIDGE	199809	UDEQ APPROVED CLOSURE OF THIS SITE IN A SEPT. 23, 1998 LETTER AND SUBSEQUENT PERMIT MODIFICATION APPROVAL.
DPG-022	IGLOO SITE (SW TOWER GRID)	199909	DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEPTEMBER 2006
DPG-023	WASTE BURIAL SITE ( TOWER GRID)	200706	Final Corrective Measures Implementation Report and Permit Modification.
DPG-025	DISPOSAL AREA JCT LIMA & STARKS ROADS	200709	Final Corrective Measures Implementation Report and Permit Modification.
DPG-027	PCB/POL STORAGE SITE(BLDGS 9450/9452)	199405	NOT ELIGIBLE FOR ER,A/BRAC FUNDING
DPG-028	SURFACE WASTE DISPOSAL SITE (H GRID)	199909	Phase I RFI Report and Permit Modification

## Site Closeout (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
DPG-029	SURFACE WASTE SITE BTWN S WIG MTN & HGRD	199803	Phase I RFI Report and Permit Modification
DPG-030	FUEL TANK SITE @ WIG MOUNTAIN	199505	STUDY COMPLETED, NO CLEANUP REQUIRED.
DPG-031	WASTE BURIAL SITE (NORTH WIG MOUNTAIN)	200909	Final Phase II RCRA Facility Investigation Report and Permit Modification.
DPG-032	DUMP SITE SW OF BAKER LABORATORY	200909	Final Phase II RCRA Facility Investigation Report and Permit Modification.
DPG-033	OLD SEWAGE LAGOON, NORTH OF BAKER LAB	200211	DD DPG-033 JUNE 2003
DPG-034	BOILER BLOWDOWN POND BAKER AREA	200209	DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEPTEMBER 2006
DPG-035	DRAINFIELD, NORTH OF BAKER LABORATORY	201009	Final Phase II RCRA Facility Investigation Report and Permit Modification.
DPG-040	FENCED STORAGE AREA @ AVERY FACILITY	200312	DD DPG-040 SEP 2003 DD WASTE REMOVAL SEPTEMBER 2006
DPG-041	EVAPORATING POND @ AVERY FACILITY	200909	Final Phase II RCRA Facility Investigation Report and Permit Modification.
DPG-042	CONTRACTOR LANDFILL NEAR ENGLISH VILLAGE	200501	DD DPG-042 DECEMBER 2003 DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEPTEMBER 2006
DPG-045	SUMP @ FAC ENGR AREA @ ENGLISH VILLAGE	199709	ALL REQUIRED CLEANUP COMPLETED.
DPG-046	SHOP SUMP @ MAINT AREA @ ENGLISH VILLAGE	200409	DD DPG-046 AUGUST 2003 DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEPTEMBER 2006
DPG-047	SEWAGE LAGOONS, SOUTH OF FRIES PARK	200311	DD DPG-047 JUNE 2003
DPG-048	3X STORAGE AREA @ FRIES PARK	200409	DD DPG-047 MARCH 2003
DPG-049	PCB STORAGE HUT (FRIES PARK)	199406	NOT ELIGIBLE FOR ER,A/BRAC FUNDING
DPG-050	DISPOSAL AREA, NE CAMELBACK RIDGE	199809	Phase I RFI Report and Permit Modification
DPG-051	EVAPORATION POND NEAR DTC	200609	CLEAN CLOSURE. DECISION DOCUMENT EXPECTED.
DPG-053	WASTE BURIAL SITES DURRAND ROAD	199803	Phase I RFI Report and Permit Modification
DPG-059	PAD 7/3X STORAGE AREA @ CARR FAC	200309	DD DPG-059 APRIL 2001
DPG-060	CHEMICAL STORAGE AREA@ CARR FACILITY	200909	Final Phase II RCRA Facility Investigation Report and Permit Modification.
DPG-062	AMMO IGLOOS @ CARR FACILITY	199803	Phase I RFI Report and Permit Modification
DPG-063	SEPTIC TANK/DRAINFIELD @ CARR FACILITY	200208	DD DPG-063 LEACHFIELD AUGUST

## Site Closeout (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
			2003 DD MULTIPLE SITES-WASTE/SLUDGE REMOVAL APRIL 2001
DPG-064	WASTE BURIAL SITE (SE TOWER GRID)	199909	Phase I RFI Report and Permit Modification
DPG-065	LANDFILL (WHITE SAGE FLATS)	200410	Phase II RFI Report and Permit Modification
DPG-066	DISPOSAL AREA NEAR HILL 5700	199909	Phase I RFI Report and Permit Modification
DPG-067	LANDFILL (NORTH CEDAR MOUNTAIN)	199111	TRANSFERRED TO USACE AS A FUDS SITE
DPG-069	POL AST AREA @ ENGLISH VILLAGE	199111	NOT ELIGIBLE FOR ER,A/BRAC FUNDING
DPG-070	DISTURBED AREA (ANIMAL WASTE DUMP)(EV)	200109	NOT ELIGIBLE FOR ER,A/BRAC FUNDING
DPG-071	SKEET RANGE(EPIC-2A)	199111	STUDY COMPLETED, NO CLEANUP REQUIRED
DPG-072	SAND/GRAVEL PITS(EPIC-2C)	199111	STUDY COMPLETED, NO CLEANUP REQUIRED
DPG-073	HORSE STABLE AREA(EPIC-3A)	199111	STUDY COMPLETED, NO CLEANUP REQUIRED
DPG-074	TRENCH, CONTENTS UNK(EPIC-3B)	199111	STUDY COMPLETED, NO CLEANUP REQUIRED
DPG-075	OLD FRIES PARK SEWAGE LAGOON(EPIC-3D)	200509	STUDY COMPLETED, NO CLEANUP REQUIRED
DPG-076	STAINED/DISTURBED GROUND(EPIC-3F)	199111	Phase I RFI Report and Permit Modification
DPG-077	EX-ASPHALT PILE LITTLE GRANITE MTN	200507	Phase II RFI Report and Permit Modification
DPG-078	GROUND SCARS(EPIC-4C)	199307	ALL REQUIRED CLEANUP COMPLETED
DPG-081	FORMER MUNITIONS STORAGE IGLOO(1942-80)	199909	Phase I RFI Report and Permit Modification
DPG-082	WASTE PILE (E OF MICHAEL AAF)(EPIC-7A)	199803	Phase I RFI Report and Permit Modification
DPG-083	GROUND STAINS(EPIC-8A)	199111	ALL REQUIRED CLEANUP COMPLETED
DPG-084	FILL MATERIAL TRENCHES(EPIC-8B)	199111	ALL REQUIRED CLEANUP COMPLETED
DPG-085	DUNE FIELD BORROW AREA(EPIC-8C)	199111	ALL REQUIRED CLEANUP COMPLETED
DPG-086	FORMER COAL PILES @ DITTO FAC(EPIC-9A)	199111	ALL REQUIRED CLEANUP COMPLETED
DPG-088	BORROW PIT LOCATIONS(EPIC-9C)	199307	ALL REQUIRED CLEANUP COMPLETED
DPG-091	ASPHALT PILE SO OF BAKER	200009	Phase I RFI Report and Permit Modification
DPG-092	LANDFILL (NO EAST OF BAKER)	200109	Phase I RFI Report and Permit Modification
DPG-093	EXCAVATION/TRENCHES(EPIC-12A)	200109	Phase I RFI Report and Permit Modification
DPG-094	BORROW PIT SOUTH OF BAKER(EPIC-12B)	199111	ALL REQUIRED CLEANUP COMPLETED
DPG-095	BORROW PIT SE OF GRANITE PEAK(EPIC-13 B)	199111	ALL REQUIRED CLEANUP COMPLETED
DPG-096	CONCRETE DEBRIS,SO. OF MICHAEL AAF	200109	Phase I RFI Report and Permit Modification
DPG-098	PIPELINE EXCAV VIC OLD IGLOOS @ CARR FAC	200609	DD MULTIPLE-SITE ACCESS

## Site Closeout (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
			CONTROL MEASURES SEPTEMBER 2006
DPG-099	3X DISPOSAL AREA VIC E CAMELBACK MT	200406	DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEPTEMBER 2006
DPG-100	DITTO AREA WATER AQUIFIERS	199111	STUDY COMPLETED, NO CLEANUP REQUIRED
DPG-101	WASTE DISPOSAL SITE(EAST OF WIG GRID)	199909	Phase I RFI Report and Permit Modification
DPG-102	NEW SANITARY LANDFILL,WEST OF FRIES PARK	199111	Final Phase I RCRA Facility Investigation Report and Permit Modification.
DPG-103	DECON PAD @ BLDG 9411, WEST GRANITE MTN	199909	Phase I RFI Report and Permit Modification
DPG-104	DECON PAD, JCT TANGO/BURNS/VICTORY	199909	Phase I RFI Report and Permit Modification
DPG-107	DECONTAMINATION PAD (TOWER GRID)	199909	Phase I RFI Report and Permit Modification
DPG-108	BE & C14 WASTE DISPOSAL AREA(EPIC 3-2)	199803	Phase I RFI Report and Permit Modification
DPG-109	BE & C14 WASTE DISPOSAL AREA (EPIC 3-2)	199803	Phase I RFI Report and Permit Modification
DPG-110	BE & C14 WASTE DISPOSAL AREA (EPIC 3-2)	199909	Phase I RFI Report and Permit Modification
DPG-111	BE & C14 WASTE DISPOSAL AREA(EPIC 3-2)	199909	Phase I RFI Report and Permit Modification
DPG-113	LANDFILL POLE LINE ROAD	200410	Phase II RFI Report and Permit Modification
DPG-114	OLD GPI-3 TEST SITE (NW V-GRID)	201009	Final Phase II RCRA Facility Investigation Report and Permit Modification.
DPG-115	LANDFILL, X-RAY RD 1MI S OF BLDG T9490	200712	Final Corrective Measures Implementation Report and Permit Modification.
DPG-116	LANDFILL NYE ROAD	200409	Phase II RFI Report and Permit Modification
DPG-117	WASTE DISPOSAL PIT (FALCONER ROAD)	200109	Phase I RFI Report and Permit Modification
DPG-118	TEST VAT(1940-1950'S) (EAST OF V-GRID)	200509	DD WASTE REMOVAL SEPTEMBER 2006
DPG-119	OB/OD PAN, 4MI EAST OF CARR FACILITY	199307	NOT ELIGIBLE FOR ER,A/BRAC FUNDING
DPG-120	BURN FACILITY IN BUILDING 5710	199206	ALL REQUIRED CLEANUP(S) COMPLETED
DPG-121	INCINERATOR, BAKER LAB BASEMENT	199206	STUDY COMPLETED, NO CLEANUP REQUIRED
DPG-122	INCINERATOR, BAKER LAB BASEMENT	199909	Phase I RFI Report and Permit Modification
DPG-123	INCINERATOR (BAKER) BLDG 2028)	199803	Phase I RFI Report and Permit

## Site Closeout (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
			Modification
DPG-124	3X/5X CARR FACILITY INCINERATOR	200408	DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEPTEMBER 2006
DPG-125	AVERY BOILER BLOWDOWN SUMP (DITCH)	199206	STUDY COMPLETED, NO CLEANUP REQUIRED
DPG-126	YELLOW JACKET AREA	199111	NOT ELIGIBLE FOR ER,A/BRAC FUNDING
DPG-127	SOUTHERN TRIANGLE AREA(INCL RISING SUN)	199111	NOT ELIGIBLE FOR ER,A/BRAC FUNDING
DPG-130	SUMP, AAFES GAS STATION, ENGLISH VILLAGE	200409	DD WASTE REMOVAL SEPTEMBER 2006
DPG-131	HWHA-1 (PAINT SHOP WASTES)	199710	Phase I RFI Report and Permit Modification
DPG-132	HWHA-2 (MOTOR VEHICLE SHOP WASTES)	199710	Phase I RFI Report and Permit Modification
DPG-134	HWHA-4 (CHEM LAB 3X WASTES)	199710	Phase I RFI Report and Permit Modification
DPG-135	HWHA-5 (PHOTO WASTES)	199710	Phase I RFI Report and Permit Modification
DPG-136	HWHA-6 (TEST GENERATED WASTES)	199710	Phase I RFI Report and Permit Modification
DPG-137	HWHA-7 (GRID OPS BRANCH WASTE)	199710	Phase I RFI Report and Permit Modification
DPG-138	HWHA-8 (LUB OIL-ANTIFREEZE)	199710	Phase I RFI Report and Permit Modification
DPG-139	HWHA-9 (MOTOR OIL-ANTIFREEZE)	199710	Phase I RFI Report and Permit Modification
DPG-140	HWHA-10 (BATTERIES & KOH SOL)	199710	Phase I RFI Report and Permit Modification
DPG-141	HWHA-11 (MOTOR VEHICLE SHOP WASTES)	199710	Phase I RFI Report and Permit Modification
DPG-142	HWHA-12 (3X WASTE FOR INCINERATORS)	199710	Phase I RFI Report and Permit Modification
DPG-143	HWHA-13 (3X MATERIAL)	199710	Phase I RFI Report and Permit Modification
DPG-144	HWHA-14 (BLEACH, LAB, SLNS)	199710	Phase I RFI Report and Permit Modification
DPG-145	HWHA-15 (ENGLISH VILLAGE AUTOSHOP)	199710	Phase I RFI Report and Permit Modification
DPG-146	TANK TRUCK H2 SO4	199307	STUDY COMPLETED, NO CLEANUP REQUIRED
DPG-147	AST DECON PAD C-8 EMULSION	199307	STUDY COMPLETED, NO CLEANUP REQUIRED
DPG-148	HEALTH CLINIC TANK #1	199307	STUDY COMPLETED, NO CLEANUP REQUIRED
DPG-149	HEALTH CLINIC TANK #2	199305	ALL REQUIRED CLEANUP(S) COMPLETED
DPG-150	WASTE LINES BLDG 3445 - CARR	200709	Final Phase II RCRA Facility Investigation Report and Permit Modification.
DPG-151	STAINLESS STEEL SUMP CARR (3X)	199710	NOT ELIGIBLE FOR ER,A/BRAC FUNDING

## Site Closeout (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
DPG-152	STAINLESS STEEL HOLDING TANK,CARR (3X)	199710	NOT ELIGIBLE FOR ER,A/BRAC FUNDING
DPG-153	STAINLESS STEEL SUMP, CARR (3X)	199710	NOT ELIGIBLE FOR ER,A/BRAC FUNDING
DPG-154	WASTE LINES AT DTC, CARR	200709	Final Phase II RCRA Facility Investigation Report and Permit Modification.
DPG-155	WASTE TANK, DTC, CARR(3X)	199608	NOT ELIGIBLE FOR ER,A/BRAC FUNDING PART OF ACTIVE SYSTEM
DPG-156	AST, DTC, CARR(3X)	199608	NOT ELIGIBLE FOR ER,A/BRAC FUNDING PART OF ACTIVE SYSTEM
DPG-157	SUMP, DTC, CARR(3X)	199601	NOT ELIGIBLE FOR ER,A/BRAC FUNDING PART OF ACTIVE SYSTEM
DPG-158	EVAP POND NO OF MICHAEL AAF	200409	DD DPG-158 JUNE 2003
DPG-159	INCINERATOR, ENGLISH VILLAGE	199909	Phase I RFI Report and Permit Modification
DPG-160	AIR FORCE PAD 777 LF #1	199505	DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEPTEMBER 2006
DPG-161	AIR FORCE PAD 777 LF #2	199505	DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEPTEMBER 2006
DPG-162	DECON PAD NO OF AVERY	200309	DD DPG-162 JUNE 2003 DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEPTEMBER 2006
DPG-163	FIRE TRAINING AREA	200512	DD DPG-163 AUGUST 2003 DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEPTEMBER 2006
DPG-164	AVERY WASH RACK #1	199610	DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEPTEMBER 2006
DPG-165	AVERY WASH RACK #2	200312	DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEPTEMBER 2006
DPG-166	AVERY WASH RACK #3	199610	DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEPTEMBER 2006
DPG-167	CONT SOIL @ DITTO BLDG 4358	200311	DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEPTEMBER 2006
DPG-168	CAR WASH RACK	200604	DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEPTEMBER 2006
DPG-169	BAKER VEHICLE WASH RACK	200410	DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEPTEMBER

## Site Closeout (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
			2006
DPG-170	STEAM CLEANING ENGLISH VILLAGE/STARK RD	199610	DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEPTEMBER 2006
DPG-171	BLDG 2006 BAKER AREA - BZ CONTAMINANT	200509	Phase II RFI Report and Permit Modification
DPG-172	OLD BATTERY SHOP, AVERY AREA (BLDG 1006)	200406	DD MULTIPLE-SITE ACCESS CONTROL MEASURES SEPTEMBER 2006
DPG-173	OLD BATTERY SHOP - DITTO AREA	200807	Final Phase II RCRA Facility Investigation Report and Permit Modification.
DPG-174	STORAGE SHEDS AT BAKER	199803	Phase I RFI Report and Permit Modification
DPG-175	ACID NEUTRALIZATION TANK - AVERY AREA	200409	Phase I RFI Report and Permit Modification
DPG-176	ACID DILUTION BOX - 4026 DITTO	199909	Phase I RFI Report and Permit Modification
DPG-177	OLD DRY CLEANING SHOP/SEWER SYSTEM DITTO	200806	Final Phase II RCRA Facility Investigation Report and Permit Modification.
DPG-178	PHOTO PROCESSING BUILD - DITTO (4258)	200109	UDEQ AGREED WITH NFA AT AUG. 10, 2000 MEETING.
DPG-179	BLDG 3342, 3048 SUMPS	200409	Phase II RFI Report and Permit Modification
DPG-180	FORMER BIO-LAB WEST OF CARR FAC.	200809	Final Phase II RCRA Facility Investigation Report and Permit Modification.
DPG-181	X-RAY LAB,CARR FACILITY(BLDG 3131)	200109	Phase I RFI Report and Permit Modification
DPG-182	OPEN DET UNIT/SUPPRESSIVE TEST SHIELD	200111	Phase I RFI Report and Permit Modification
DPG-183	B29 AIRCRAFT - WEST OF GRANITE PEAK	200707	Final Phase II RCRA Facility Investigation Report and Permit Modification.
DPG-184	AIR FILTER SYSTEM, BLDG 1004	200109	Phase I RFI Report and Permit Modification
DPG-185	OLD CHEMICAL LABORATORY-DITTO AREA(4165)	200509	Phase II RFI Report and Permit Modification
DPG-186	NEW CHEMICAL LABORATORY - DITTO AREA	199610	Phase I RFI Report and Permit Modification
DPG-187	PRINT SHOP - ENGLISH VILLAGE (5466)	200109	Phase I RFI Report and Permit Modification
DPG-188	WASTE PIT NORTH OF RISING SUN GRID	200706	DD WASTE REMOVAL SEPTEMBER 2006
DPG-189	WASTE PIT- NORTH OF RISING SUN GRID	200709	Final Phase II RCRA Facility Investigation Report and Permit Modification.
DPG-190	RANGER LANDFILL AT PRIME ROAD GRAVEL PIT	200312	CLOSURE CERTIFICATION DEC. 19, 2004
DPG-191	LANDFILL - WEST OF EXISTING LANDFIL	200109	Phase I RFI Report and Permit Modification
DPG-193	DECONPAD - WEST OF GRANITE MOUNTAIN	200609	Phase II RFI Report and Permit Modification

## Site Closeout (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
DPG-195	INCINERATOR EAST OF CARR	200109	Phase I RFI Report and Permit Modification
DPG-196	INCINERATOR EAST OF CARR	199909	Phase I RFI Report and Permit Modification
DPG-198	X-RAY PROCESSOR - HEALTH CLINIC	199710	NOT ELIGIBLE FOR ER,A/BRAC FUNDING
DPG-202	WASTE PILE AT CPI 3 (NOW DPG-114)	199809	THIS SWMU HAS BEEN COMBINED WITH SWMU 114. PROBABLE BIO HAZARD AT THE SITE AND NO EVALUATION STANDARDS ARE AVAILABLE AT THIS TIME
DPG-203	LANDFILL NORTH OF APG	199908	ALL REQUIRED CLEANUP(S) COMPLETED
DPG-205	GRASSY PLOTS GRID, EAST OF BAKER	200509	Phase II RFI Report and Permit Modification
DPG-206	SURFACE DISPOSAL AREA, SW OF MAAF	200609	Phase II RFI Report and Permit Modification
DPG-208	DRUM BURIAL SITE SE OF CARR	200909	Final Phase II RCRA Facility Investigation Report and Permit Modification.
DPG-209	BIO TEST PLOTS, SE ALL PURPOSE GRID	200809	Final Phase II RCRA Facility Investigation Report and Permit Modification.
DPG-210	GLASS DISPOSAL SITE, SO OF BAKER	200809	Final Phase II RCRA Facility Investigation Report and Permit Modification.
DPG-211	CORAL PIT WASTE PILE, N CMLBK RIDGE	200707	Final Phase II RCRA Facility Investigation Report and Permit Modification.
DPG-212	M55 ROCKET TEST SITE, SO TOWER GRID	200806	Final Corrective Measures Implementation Report and Permit Modification.
DPG-214	DECONTAMINATION PAD, TARGET S	200509	DD WASTE REMOVAL SEPTEMBER 2006
DPG-216	TRASH PIT, GRANITE MTN	200509	DD WASTE REMOVAL SEPTEMBER 2006
PBC at Dugway	PBC	201403	



# IRP Schedule

Date of IRP Inception: 198601

## Past Phase Completion Milestones

### 1988

RFA (DPG-002 - SCRAP CONSTRUCTION FILL, N GRANITE PEAK, DPG-007 - BRINE VATS, WEST OF GRANITE PEAK, DPG-009 - STORAGE SITE 3X SCRAP MATERIAL, DPG-014 - DISPOSAL SITES, JCT DOWNWIND & JULIET RD, DPG-020 - LANDFILL NORTH OF CAMELBACK RIDGE, DPG-030 - FUEL TANK SITE @ WIG MOUNTAIN, DPG-033 - OLD SEWAGE LAGOON, NORTH OF BAKER LAB, DPG-034 - BOILER BLOWDOWN POND BAKER AREA, DPG-036 - IMHOFF TK/DRAINFIELD AT DITTO TECH CTR, DPG-037 - LANDFILL, WEST OF DITTO TECH CENTER, DPG-038 - DECON PAD, SOUTH OF DITTO TECH CENTER, DPG-039 - LANDFILL NORTH OF AVERY, DPG-040 - FENCED STORAGE AREA @ AVERY FACILITY, DPG-042 - CONTRACTOR LANDFILL NEAR ENGLISH VILLAGE, DPG-043 - OLD LANDFILL FOR ENGLISH VILLAGE, DPG-046 - SHOP SUMP @ MAINT AREA @ ENGLISH VILLAGE, DPG-047 - SEWAGE LAGOONS, SOUTH OF FRIES PARK, DPG-048 - 3X STORAGE AREA @ FRIES PARK, DPG-051 - EVAPORATION POND NEAR DTC, DPG-055 - 3X DISPOSAL SITE, E OF CARR FACILITY, DPG-058 - EVAPORATION POND @ CARR FACILITY, DPG-059 - PAD 7/3X STORAGE AREA @ CARR FAC, DPG-063 - SEPTIC TANK/DRAINFIELD @ CARR FACILITY, DPG-099 - 3X DISPOSAL AREA VIC E CAMELBACK MT, DPG-124 - 3X/5X CARR FACILITY INCINERATOR, DPG-128 - PESTICIDE STORAGE BLDG, ENGLISH VIL, DPG-130 - SUMP, AAFES GAS STATION, ENGLISH VILLAGE)

IRA (DPG-002 - SCRAP CONSTRUCTION FILL, N GRANITE PEAK, DPG-007 - BRINE VATS, WEST OF GRANITE PEAK, DPG-009 - STORAGE SITE 3X SCRAP MATERIAL, DPG-033 - OLD SEWAGE LAGOON, NORTH OF BAKER LAB, DPG-036 - IMHOFF TK/DRAINFIELD AT DITTO TECH CTR, DPG-038 - DECON PAD, SOUTH OF DITTO TECH CENTER)

### 1990

RFA (DPG-121 - INCINERATOR, BAKER LAB BASEMENT, DPG-125 - AVERY BOILER BLOWDOWN SUMP (DITCH), DPG-158 - EVAP POND NO OF MICHAEL AAF, DPG-160 - AIR FORCE PAD 777 LF #1, DPG-161 - AIR FORCE PAD 777 LF #2, DPG-162 - DECON PAD NO OF AVERY, DPG-163 - FIRE TRAINING AREA, DPG-164 - AVERY WASH RACK #1, DPG-165 - AVERY WASH RACK #2, DPG-166 - AVERY WASH RACK #3, DPG-167 - CONT SOIL @ DITTO BLDG 4358, DPG-168 - CAR WASH RACK, DPG-169 - BAKER VEHICLE WASH RACK, DPG-170 - STEAM CLEANING ENGLISH VILLAGE/STARK RD)

IRA (DPG-158 - EVAP POND NO OF MICHAEL AAF)

### 1991

RFA (DPG-027 - PCB/POL STORAGE SITE(BLDGS 9450/9452), DPG-120 - BURN FACILITY IN BUILDING 5710)

### 1992

IRA (DPG-039 - LANDFILL NORTH OF AVERY, DPG-042 - CONTRACTOR LANDFILL NEAR ENGLISH VILLAGE, DPG-043 - OLD LANDFILL FOR ENGLISH VILLAGE, DPG-090 - BURNING AREA, EAST OF CARR FAC(EPIC-10E), DPG-160 - AIR FORCE PAD 777 LF #1, DPG-161 - AIR FORCE PAD 777 LF #2, DPG-163 - FIRE TRAINING AREA, DPG-164 - AVERY WASH RACK #1, DPG-165 - AVERY WASH RACK #2, DPG-166 - AVERY WASH RACK #3, DPG-167 - CONT SOIL @ DITTO BLDG 4358, DPG-168 - CAR WASH RACK, DPG-169 - BAKER VEHICLE WASH RACK, DPG-170 - STEAM CLEANING ENGLISH VILLAGE/STARK RD)

RFA (DPG-001 - SCRAP CONSTRUCTION MAT FILL FROM V-GRID, DPG-003 - VEHICLE DECON PAD(AND BLDG T-9410), DPG-004 - OLD BAKER LAB @ NORTH GRANITE PEAK, DPG-005 - CONTAMINATED MAT BURIAL SITE (V-GRID), DPG-006 - SURFACE STORE AREA VIC 10 MILE TOWER, DPG-008 - BURIAL SITE WEST GRANITE PEAK, DPG-010 - LOW LEVEL RAD LANDFILL, WEST OF GRANITE, DPG-011 - LOW LEVEL RAD Burial Pits, Granite, DPG-012 - LOW LEVEL RAD LANDFILL, SE GRANITE PEAK, DPG-013 - DECON PAD, JCT DOWNWIND W & LIMA ROADS, DPG-015 - RISING SUN TEST AREA, DPG-016 - DECON PAD, JCT EAST DOWNWIND & HWY 102, DPG-017 - AGENT DISPOSAL SITE @ S TOWER GRID, DPG-018 - DISPOSAL SITE @ SE TOWER GRID, DPG-019 - DISPOSAL SITE @ NE TOWER GRID, DPG-021 - DISPOSAL SITE @ N CAMELBACK RIDGE, DPG-022 - IGLOO SITE (SW TOWER GRID), DPG-023 - WASTE BURIAL SITE ( TOWER GRID), DPG-025 - DISPOSAL AREA JCT LIMA & STARKS ROADS, DPG-028 - SURFACE WASTE DISPOSAL SITE (H GRID), DPG-029 - SURFACE WASTE SITE BTWN S WIG MTN & HGRD, DPG-031 - WASTE BURIAL SITE (NORTH WIG MOUNTAIN), DPG-032 - DUMP SITE SW OF BAKER LABORATORY, DPG-035 - DRAINFIELD, NORTH OF BAKER LABORATORY, DPG-041 - EVAPORATING POND @ AVERY FACILITY, DPG-044 - OLD STP FOR ENGLISH VILLAGE, DPG-045 - SUMP @ FAC ENGR AREA @ ENGLISH VILLAGE, DPG-049 - PCB STORAGE HUT (FRIES PARK), DPG-

050 - DISPOSAL AREA, NE CAMELBACK RIDGE, DPG-052 - WASTE BURIAL SITES (EAST SE OF CARR), DPG-053 - WASTE BURIAL SITES DURRAND ROAD, DPG-054 - DISPOSAL AREA(S), EAST OF CARR FACILITY, DPG-056 - STORAGE SITE, E OF CARR FACILITY, DPG-060 - CHEMICAL STORAGE AREA @ CARR FACILITY, DPG-061 - CONTAMINATED SOIL @ NEW CARR FACILITY, DPG-062 - AMMO IGLOOS @ CARR FACILITY, DPG-064 - WASTE BURIAL SITE (SE TOWER GRID), DPG-065 - LANDFILL (WHITE SAGE FLATS), DPG-066 - DISPOSAL AREA NEAR HILL 5700, DPG-067 - LANDFILL (NORTH CEDAR MOUNTAIN), DPG-069 - POL AST AREA @ ENGLISH VILLAGE, DPG-070 - DISTURBED AREA (ANIMAL WASTE DUMP)(EV), DPG-071 - SKEET RANGE(EPIC-2A), DPG-072 - SAND/GRAVEL PITS(EPIC-2C), DPG-073 - HORSE STABLE AREA(EPIC-3A), DPG-074 - TRENCH, CONTENTS UNK(EPIC-3B), DPG-075 - OLD FRIES PARK SEWAGE LAGOON(EPIC-3D), DPG-076 - STAINED/DISTURBED GROUND(EPIC-3F), DPG-077 - EX-ASPHALT PILE LITTLE GRANITE MTN, DPG-078 - GROUND SCARS(EPIC-4C), DPG-079 - WASTE PILE (SW OF LITTLE GRANITE MTN), DPG-081 - FORMER MUNITIONS STORAGE IGLOO(1942-80), DPG-082 - WASTE PILE (E OF MICHAEL AAF)(EPIC-7A), DPG-083 - GROUND STAINS(EPIC-8A), DPG-084 - FILL MATERIAL TRENCHES(EPIC-8B), DPG-085 - DUNE FIELD BORROW AREA(EPIC-8C), DPG-086 - FORMER COAL PILES @ DITTO FAC(EPIC-9A), DPG-088 - BORROW PIT LOCATIONS(EPIC-9C), DPG-090 - BURNING AREA, EAST OF CARR FAC(EPIC-10E), DPG-091 - ASPHALT PILE SO OF BAKER, DPG-092 - LANDFILL (NO EAST OF BAKER), DPG-093 - EXCAVATION/TRENCHES(EPIC-12A), DPG-094 - BORROW PIT SOUTH OF BAKER(EPIC-12B), DPG-095 - BORROW PIT SE OF GRANITE PEAK(EPIC-13 B), DPG-096 - CONCRETE DEBRIS,SO. OF MICHAEL AAF, DPG-097 - DRAINFIELD & DECONTAMINATION PAD (AVERY), DPG-098 - PIPELINE EXCAV VIC OLD IGLOOS @ CARR FAC, DPG-100 - DITTO AREA WATER AQUIFIERS, DPG-101 - WASTE DISPOSAL SITE(EAST OF WIG GRID), DPG-102 - NEW SANITARY LANDFILL, WEST OF FRIES PARK, DPG-103 - DECON PAD @ BLDG 9411, WEST GRANITE MTN, DPG-104 - DECON PAD, JCT TANGO/BURNS/VICTORY, DPG-107 - DECONTAMINATION PAD (TOWER GRID), DPG-108 - BE & C14 WASTE DISPOSAL AREA(EPIC 3-2), DPG-109 - BE & C14 WASTE DISPOSAL AREA (EPIC 3-2), DPG-110 - BE & C14 WASTE DISPOSAL AREA (EPIC 3-2), DPG-111 - BE & C14 WASTE DISPOSAL AREA(EPIC 3-2), DPG-113 - LANDFILL POLE LINE ROAD, DPG-114 - OLD GPI-3 TEST SITE (NW V-GRID), DPG-115 - LANDFILL, X-RAY RD 1MI S OF BLDG T9490, DPG-116 - LANDFILL NYE ROAD, DPG-117 - WASTE DISPOSAL PIT (FALCONER ROAD), DPG-118 - TEST VAT(1940-1950'S) (EAST OF V-GRID), DPG-119 - OB/OD PAN, 4MI EAST OF CARR FACILITY, DPG-122 - INCINERATOR, BAKER LAB BASEMENT, DPG-123 - INCINERATOR (BAKER) BLDG 2028), DPG-126 - YELLOW JACKET AREA, DPG-127 - SOUTHERN TRIANGLE AREA(INCL RISING SUN), DPG-131 - HWHA-1 (PAINT SHOP WASTES), DPG-132 - HWHA-2 (MOTOR VEHICLE SHOP WASTES), DPG-133 - HWHA-3 (AIRCRAFT MAINT-SHOP WASTES), DPG-134 - HWHA-4 (CHEM LAB 3X WASTES), DPG-135 - HWHA-5 (PHOTO WASTES), DPG-136 - HWHA-6 (TEST GENERATED WASTES), DPG-137 - HWHA-7 (GRID OPS BRANCH WASTE), DPG-138 - HWHA-8 (LUB OIL-ANTIFREEZE), DPG-139 - HWHA-9 (MOTOR OIL-ANTIFREEZE), DPG-140 - HWHA-10 (BATTERIES & KOH SOL), DPG-141 - HWHA-11 (MOTOR VEHICLE SHOP WASTES), DPG-142 - HWHA-12 (3X WASTE FOR INCINERATORS), DPG-143 - HWHA-13 (3X MATERIAL), DPG-144 - HWHA-14 (BLEACH, LAB, SLNS), DPG-145 - HWHA-15 (ENGLISH VILLAGE AUTOSHOP), DPG-146 - TANK TRUCK H2 SO4, DPG-147 - AST DECON PAD C-8 EMULSION, DPG-148 - HEALTH CLINIC TANK #1, DPG-149 - HEALTH CLINIC TANK #2, DPG-150 - WASTE LINES BLDG 3445 - CARR, DPG-151 - STAINLESS STEEL SUMP CARR (3X), DPG-152 - STAINLESS STEEL HOLDING TANK,CARR (3X), DPG-153 - STAINLESS STEEL SUMP, CARR (3X), DPG-154 - WASTE LINES AT DTC, CARR, DPG-155 - WASTE TANK, DTC, CARR(3X), DPG-156 - AST, DTC, CARR(3X), DPG-157 - SUMP, DTC, CARR(3X), DPG-159 - INCINERATOR, ENGLISH VILLAGE)

CS (DPG-120 - BURN FACILITY IN BUILDING 5710, DPG-121 - INCINERATOR, BAKER LAB BASEMENT, DPG-125 - AVERY BOILER BLOWDOWN SUMP (DITCH))

CS

1993

CS

(DPG-047 - SEWAGE LAGOONS, SOUTH OF FRIES PARK, DPG-078 - GROUND SCARS(EPIC-4C), DPG-088 - BORROW PIT LOCATIONS(EPIC-9C), DPG-119 - OB/OD PAN, 4MI EAST OF CARR FACILITY, DPG-146 - TANK TRUCK H2 SO4, DPG-147 - AST DECON PAD C-8 EMULSION, DPG-148 - HEALTH CLINIC TANK #1, DPG-149 - HEALTH CLINIC TANK #2, DPG-154 - WASTE LINES AT DTC, CARR, DPG-155 - WASTE TANK, DTC, CARR(3X), DPG-156 - AST, DTC, CARR(3X), DPG-157 - SUMP, DTC, CARR(3X), DPG-186 - NEW CHEMICAL LABORATORY - DITTO AREA)

## IRP Schedule

RFA (DPG-171 - BLDG 2006 BAKER AREA - BZ CONTAMINANT, DPG-172 - OLD BATTERY SHOP, AVERY AREA (BLDG 1006), DPG-173 - OLD BATTERY SHOP - DITTO AREA, DPG-174 - STORAGE SHEDS AT BAKER, DPG-175 - ACID NEUTRALIZATION TANK - AVERY AREA, DPG-176 - ACID DILUTION BOX - 4026 DITTO, DPG-177 - OLD DRY CLEANING SHOP/SEWER SYSTEM DITTO, DPG-178 - PHOTO PROCESSING BUILD - DITTO (4258), DPG-179 - BLDG 3342, 3048 SUMPS, DPG-180 - FORMER BIO-LAB WEST OF CARR FAC., DPG-181 - X-RAY LAB, CARR FACILITY (BLDG 3131), DPG-182 - OPEN DET UNIT/SUPPRESSIVE TEST SHIELD, DPG-183 - B29 AIRCRAFT - WEST OF GRANITE PEAK, DPG-184 - AIR FILTER SYSTEM, BLDG 1004, DPG-185 - OLD CHEMICAL LABORATORY-DITTO AREA (4165), DPG-186 - NEW CHEMICAL LABORATORY - DITTO AREA, DPG-187 - PRINT SHOP - ENGLISH VILLAGE (5466), DPG-188 - WASTE PIT NORTH OF RISING SUN GRID, DPG-189 - WASTE PIT- NORTH OF RISING SUN GRID, DPG-190 - RANGER LANDFILL AT PRIME ROAD GRAVEL PIT, DPG-191 - LANDFILL - WEST OF EXISTING LANDFIL, DPG-192 - Disposal Pits - 63 PITS W GRANITE, DPG-201 - CAMEL'S BACK CAVE)

IRA (DPG-034 - BOILER BLOWDOWN POND BAKER AREA, DPG-065 - LANDFILL (WHITE SAGE FLATS), DPG-174 - STORAGE SHEDS AT BAKER)

**1994**

IRA (DPG-001 - SCRAP CONSTRUCTION MAT FILL FROM V-GRID, DPG-013 - DECON PAD, JCT DOWNWIND W & LIMA ROADS, DPG-016 - DECON PAD, JCT EAST DOWNWIND & HWY 102, DPG-017 - AGENT DISPOSAL SITE @ S TOWER GRID, DPG-018 - DISPOSAL SITE @ SE TOWER GRID, DPG-019 - DISPOSAL SITE @ NE TOWER GRID, DPG-028 - SURFACE WASTE DISPOSAL SITE (H GRID), DPG-040 - FENCED STORAGE AREA @ AVERY FACILITY, DPG-046 - SHOP SUMP @ MAINT AREA @ ENGLISH VILLAGE, DPG-052 - WASTE BURIAL SITES (EAST SE OF CARR), DPG-101 - WASTE DISPOSAL SITE (EAST OF WIG GRID), DPG-103 - DECON PAD @ BLDG 9411, WEST GRANITE MTN, DPG-104 - DECON PAD, JCT TANGO/BURNS/VICTORY, DPG-107 - DECONTAMINATION PAD (TOWER GRID), DPG-113 - LANDFILL POLE LINE ROAD, DPG-115 - LANDFILL, X-RAY RD 1MI S OF BLDG T9490, DPG-117 - WASTE DISPOSAL PIT (FALCONER ROAD), DPG-124 - 3X/5X CARR FACILITY INCINERATOR, DPG-188 - WASTE PIT NORTH OF RISING SUN GRID, DPG-189 - WASTE PIT- NORTH OF RISING SUN GRID, DPG-190 - RANGER LANDFILL AT PRIME ROAD GRAVEL PIT)

RFA (DPG-197 - DISP. PIT, TARGET SITE, DWND GRID)

CS (DPG-027 - PCB/POL STORAGE SITE (BLDGS 9450/9452))

**1995**

IRA (DPG-003 - VEHICLE DECON PAD (AND BLDG T-9410), DPG-005 - CONTAMINATED MAT BURIAL SITE (V-GRID), DPG-006 - SURFACE STORE AREA VIC 10 MILE TOWER, DPG-008 - BURIAL SITE WEST GRANITE PEAK, DPG-010 - LOW LEVEL RAD LANDFILL, WEST OF GRANITE, DPG-012 - LOW LEVEL RAD LANDFILL, SE GRANITE PEAK, DPG-015 - RISING SUN TEST AREA, DPG-021 - DISPOSAL SITE @ N CAMELBACK RIDGE, DPG-022 - IGLOO SITE (SW TOWER GRID), DPG-023 - WASTE BURIAL SITE (TOWER GRID), DPG-025 - DISPOSAL AREA JCT LIMA & STARKS ROADS, DPG-029 - SURFACE WASTE SITE BTWN S WIG MTN & HGRD, DPG-031 - WASTE BURIAL SITE (NORTH WIG MOUNTAIN), DPG-032 - DUMP SITE SW OF BAKER LABORATORY, DPG-035 - DRAINFIELD, NORTH OF BAKER LABORATORY)

RFA (DPG-193 - DECONPAD - WEST OF GRANITE MOUNTAIN, DPG-194 - Burial Site, EAST OF CARR, DPG-195 - INCINERATOR EAST OF CARR, DPG-196 - INCINERATOR EAST OF CARR, DPG-199 - OLD OB/OD EAST OF SWMU17, DPG-202 - WASTE PILE AT CPI 3 (NOW DPG-114), DPG-203 - LANDFILL NORTH OF APG)

CS (DPG-020 - LANDFILL NORTH OF CAMELBACK RIDGE)

**1996**

CS (DPG-002 - SCRAP CONSTRUCTION FILL, N GRANITE PEAK, DPG-007 - BRINE VATS, WEST OF GRANITE PEAK, DPG-009 - STORAGE SITE 3X SCRAP MATERIAL, DPG-014 - DISPOSAL SITES, JCT DOWNWIND & JULIET RD, DPG-033 - OLD SEWAGE LAGOON, NORTH OF BAKER LAB, DPG-034 - BOILER BLOWDOWN POND BAKER AREA, DPG-036 - IMHOFF TK/DRAINFIELD AT DITTO TECH CTR, DPG-037 - LANDFILL, WEST OF DITTO TEC CENTER, DPG-038 - DECON PAD, SOUTH OF DITTO TECH CENTER, DPG-039 - LANDFILL NORTH OF AVERY, DPG-040 - FENCED STORAGE AREA @ AVERY FACILITY, DPG-042 - CONTRACTOR LANDFILL NEAR ENGLISH VILLAGE, DPG-043 - OLD LANDFILL FOR ENGLISH VILLAGE, DPG-045 - SUMP @ FAC ENGR AREA @ ENGLISH VILLAGE, DPG-046 - SHOP SUMP

IRA  
RFA  
1997  
CS

@ MAINT AREA @ ENGLISH VILLAGE, DPG-048 - 3X STORAGE AREA @ FRIES PARK, DPG-051 - EVAPORATION POND NEAR DTC, DPG-055 - 3X DISPOSAL SITE, E OF CARR FACILITY, DPG-058 - EVAPORATION POND @ CARR FACILITY, DPG-059 - PAD 7/3X STORAGE AREA @ CARR FAC, DPG-063 - SEPTIC TANK/DRAINFIELD @ CARR FACILITY, DPG-090 - BURNING AREA, EAST OF CARR FAC(EPIC-10E), DPG-099 - 3X DISPOSAL AREA VIC E CAMELBACK MT, DPG-124 - 3X/5X CARR FACILITY INCINERATOR, DPG-128 - PESTICIDE STORAGE BLDG, ENGLISH VIL, DPG-130 - SUMP, AAFES GAS STATION, ENGLISH VILLAGE, DPG-158 - EVAP POND NO OF MICHAEL AAF, DPG-162 - DECON PAD NO OF AVERY, DPG-163 - FIRE TRAINING AREA, DPG-165 - AVERY WASH RACK #2, DPG-167 - CONT SOIL @ DITTO BLDG 4358, DPG-168 - CAR WASH RACK, DPG-169 - BAKER VEHICLE WASH RACK, DPG-190 - RANGER LANDFILL AT PRIME ROAD GRAVEL PIT)  
(DPG-014 - DISPOSAL SITES, JCT DOWNWIND & JULIET RD)  
(DPG-198 - X-RAY PROCESSOR - HEALTH CLINIC, DPG-200 - BURIAL SITE, SOUTHEAST OF CARR)

(DPG-001 - SCRAP CONSTRUCTION MAT FILL FROM V-GRID, DPG-003 - VEHICLE DECON PAD(AND BLDG T-9410), DPG-004 - OLD BAKER LAB @ NORTH GRANITE PEAK, DPG-005 - CONTAMINATED MAT BURIAL SITE (V-GRID), DPG-006 - SURFACE STORE AREA VIC 10 MILE TOWER, DPG-008 - BURIAL SITE WEST GRANITE PEAK, DPG-010 - LOW LEVEL RAD LANDFILL, WEST OF GRANITE, DPG-011 - LOW LEVEL RAD Burial Pits, Granite, DPG-012 - LOW LEVEL RAD LANDFILL, SE GRANITE PEAK, DPG-013 - DECON PAD, JCT DOWNWIND W & LIMA ROADS, DPG-015 - RISING SUN TEST AREA, DPG-016 - DECON PAD, JCT EAST DOWNWIND & HWY 102, DPG-017 - AGENT DISPOSAL SITE @ S TOWER GRID, DPG-018 - DISPOSAL SITE @ SE TOWER GRID, DPG-019 - DISPOSAL SITE @ NE TOWER GRID, DPG-021 - DISPOSAL SITE @ N CAMELBACK RIDGE, DPG-022 - IGLOO SITE (SW TOWER GRID), DPG-023 - WASTE BURIAL SITE ( TOWER GRID), DPG-025 - DISPOSAL AREA JCT LIMA & STARKS ROADS, DPG-028 - SURFACE WASTE DISPOSAL SITE (H GRID), DPG-029 - SURFACE WASTE SITE BTWN S WIG MTN & HGRD, DPG-031 - WASTE BURIAL SITE (NORTH WIG MOUNTAIN), DPG-032 - DUMP SITE SW OF BAKER LABORATORY, DPG-035 - DRAINFIELD, NORTH OF BAKER LABORATORY, DPG-041 - EVAPORATING POND @ AVERY FACILITY, DPG-044 - OLD STP FOR ENGLISH VILLAGE, DPG-050 - DISPOSAL AREA, NE CAMELBACK RIDGE, DPG-052 - WASTE BURIAL SITES (EAST SE OF CARR), DPG-053 - WASTE BURIAL SITES DURRAND ROAD, DPG-054 - DISPOSAL AREA(S), EAST OF CARR FACILITY, DPG-056 - STORAGE SITE, E OF CARR FACILITY, DPG-060 - CHEMICAL STORAGE AREA@ CARR FACILITY, DPG-061 - CONTAMINATED SOIL @NEW CARR FACILITY, DPG-062 - AMMO IGLOOS @ CARR FACILITY, DPG-064 - WASTE BURIAL SITE (SE TOWER GRID), DPG-065 - LANDFILL (WHITE SAGE FLATS), DPG-066 - DISPOSAL AREA NEAR HILL 5700, DPG-070 - DISTURBED AREA (ANIMAL WASTE DUMP)(EV), DPG-075 - OLD FRIES PARK SEWAGE LAGOON(EPIC-3D), DPG-077 - EX-ASPHALT PILE LITTLE GRANITE MTN, DPG-079 - WASTE PILE (SW OF LITTLE GRANITE MTN), DPG-081 - FORMER MUNITIONS STORAGE IGLOO(1942-80), DPG-082 - WASTE PILE (E OF MICHAEL AAF)(EPIC-7A), DPG-091 - ASPHALT PILE SO OF BAKER, DPG-092 - LANDFILL (NO EAST OF BAKER), DPG-093 - EXCAVATION/TRENCHES(EPIC-12A), DPG-096 - CONCRETE DEBRIS,SO. OF MICHAEL AAF, DPG-097 - DRAINFIELD & DECONTAMINATION PAD (AVERY), DPG-098 - PIPELINE EXCAV VIC OLD IGLOOS @ CARR FAC, DPG-101 - WASTE DISPOSAL SITE(EAST OF WIG GRID), DPG-103 - DECON PAD @ BLDG 9411, WEST GRANITE MTN, DPG-104 - DECON PAD, JCT TANGO/BURNS/VICTORY, DPG-107 - DECONTAMINATION PAD (TOWER GRID), DPG-108 - BE & C14 WASTE DISPOSAL AREA(EPIC 3-2), DPG-109 - BE & C14 WASTE DISPOSAL AREA (EPIC 3-2), DPG-110 - BE & C14 WASTE DISPOSAL AREA (EPIC 3-2), DPG-113 - LANDFILL POLE LINE ROAD, DPG-114 - OLD GPI-3 TEST SITE (NW V-GRID), DPG-115 - LANDFILL, X-RAY RD 1MI S OF BLDG T9490, DPG-116 - LANDFILL NYE ROAD, DPG-117 - WASTE DISPOSAL PIT (FALCONER ROAD), DPG-118 - TEST VAT(1940-1950'S) (EAST OF V-GRID), DPG-122 - INCINERATOR, BAKER LAB BASEMENT, DPG-123 - INCINERATOR (BAKER) BLDG 2028), DPG-131 - HWWA-1 (PAINT SHOP WASTES), DPG-132 - HWWA-2 (MOTOR VEHICLE SHOP WASTES), DPG-133 - HWWA-3 (AIRCRAFT MAINT-SHOP WASTES), DPG-134 - HWWA-4 (CHEM LAB 3X WASTES), DPG-135 - HWWA-5 (PHOTO WASTES), DPG-136 - HWWA-6 (TEST GENERATED WASTES), DPG-137 - HWWA-7 (GRID OPS BRANCH WASTE), DPG-138 - HWWA-8 (LUB OIL-ANTIFREEZE), DPG-139 - HWWA-9 (MOTOR OIL-ANTIFREEZE), DPG-140 - HWWA-10

## IRP Schedule

(BATTERIES & KOH SOL), DPG-141 - HWHA-11 (MOTOR VEHICLE SHOP WASTES), DPG-142 - HWHA-12 (3X WASTE FOR INCINERATORS), DPG-143 - HWHA-13 (3X MATERIAL), DPG-144 - HWHA-14 (BLEACH, LAB, SLNS), DPG-145 - HWHA-15 (ENGLISH VILLAGE AUTOSHOP), DPG-150 - WASTE LINES BLDG 3445 - CARR, DPG-151 - STAINLESS STEEL SUMP CARR (3X), DPG-152 - STAINLESS STEEL HOLDING TANK, CARR (3X), DPG-153 - STAINLESS STEEL SUMP, CARR (3X), DPG-159 - INCINERATOR, ENGLISH VILLAGE, DPG-171 - BLDG 2006 BAKER AREA - BZ CONTAMINANT, DPG-172 - OLD BATTERY SHOP, AVERY AREA (BLDG 1006), DPG-173 - OLD BATTERY SHOP - DITTO AREA, DPG-174 - STORAGE SHEDS AT BAKER, DPG-175 - ACID NEUTRALIZATION TANK - AVERY AREA, DPG-176 - ACID DILUTION BOX - 4026 DITTO, DPG-177 - OLD DRY CLEANING SHOP/SEWER SYSTEM DITTO, DPG-178 - PHOTO PROCESSING BUILD - DITTO (4258), DPG-179 - BLDG 3342, 3048 SUMPS, DPG-180 - FORMER BIO-LAB WEST OF CARR FAC., DPG-181 - X-RAY LAB, CARR FACILITY (BLDG 3131), DPG-182 - OPEN DET UNIT/SUPPRESSIVE TEST SHIELD, DPG-183 - B29 AIRCRAFT - WEST OF GRANITE PEAK, DPG-184 - AIR FILTER SYSTEM, BLDG 1004, DPG-185 - OLD CHEMICAL LABORATORY-DITTO AREA(4165), DPG-187 - PRINT SHOP - ENGLISH VILLAGE (5466), DPG-188 - WASTE PIT NORTH OF RISING SUN GRID, DPG-189 - WASTE PIT- NORTH OF RISING SUN GRID, DPG-191 - LANDFILL - WEST OF EXISTING LANDFIL, DPG-192 - Disposal Pits - 63 PITS W GRANITE, DPG-193 - DECONPAD - WEST OF GRANITE MOUNTAIN, DPG-194 - Burial Site, EAST OF CARR, DPG-195 - INCINERATOR EAST OF CARR, DPG-196 - INCINERATOR EAST OF CARR, DPG-197 - DISP. PIT, TARGET SITE, DWND GRID, DPG-199 - OLD OB/OD EAST OF SWMU17, DPG-200 - BURIAL SITE, SOUTHEAST OF CARR, DPG-201 - CAMEL'S BACK CAVE, DPG-202 - WASTE PILE AT CPI 3 (NOW DPG-114), DPG-204 - LEWISITE AREA, SIMPSON BUTTES, DPG-205 - GRASSY PLOTS GRID, EAST OF BAKER, DPG-206 - SURFACE DISPOSAL AREA, SW OF MAAF, DPG-207 - DISPOSAL TRENCHES AND MOUNDS, CARR, DPG-208 - DRUM BURIAL SITE SE OF CARR, DPG-209 - BIO TEST PLOTS, SE ALL PURPOSE GRID, DPG-210 - GLASS DISPOSAL SITE, SO OF BAKER, DPG-211 - CORAL PIT WASTE PILE, N CMLBK RIDGE, DPG-212 - M55 ROCKET TEST SITE, SO TOWER GRID, DPG-213 - BURIAL TRENCH, TARGET S, DPG-214 - DECONTAMINATION PAD, TARGET S, DPG-215 - PIGEON LOFT TRENCHES, DOWNWIND GRID, DPG-216 - TRASH PIT, GRANITE MTN)

RFI/CMS (DPG-048 - 3X STORAGE AREA @ FRIES PARK, DPG-186 - NEW CHEMICAL LABORATORY - DITTO AREA)

RFA (DPG-204 - LEWISITE AREA, SIMPSON BUTTES, DPG-205 - GRASSY PLOTS GRID, EAST OF BAKER, DPG-206 - SURFACE DISPOSAL AREA, SW OF MAAF, DPG-207 - DISPOSAL TRENCHES AND MOUNDS, CARR, DPG-208 - DRUM BURIAL SITE SE OF CARR, DPG-209 - BIO TEST PLOTS, SE ALL PURPOSE GRID, DPG-210 - GLASS DISPOSAL SITE, SO OF BAKER, DPG-211 - CORAL PIT WASTE PILE, N CMLBK RIDGE, DPG-212 - M55 ROCKET TEST SITE, SO TOWER GRID, DPG-213 - BURIAL TRENCH, TARGET S, DPG-214 - DECONTAMINATION PAD, TARGET S, DPG-215 - PIGEON LOFT TRENCHES, DOWNWIND GRID, DPG-216 - TRASH PIT, GRANITE MTN)

DES (DPG-048 - 3X STORAGE AREA @ FRIES PARK)

IRA (DPG-037 - LANDFILL, WEST OF DITTO TEC CENTER, DPG-048 - 3X STORAGE AREA @ FRIES PARK, DPG-130 - SUMP, AAFES GAS STATION, ENGLISH VILLAGE)

**1998**

IRA (DPG-059 - PAD 7/3X STORAGE AREA @ CARR FAC, DPG-122 - INCINERATOR, BAKER LAB BASEMENT, DPG-199 - OLD OB/OD EAST OF SWMU17, DPG-212 - M55 ROCKET TEST SITE, SO TOWER GRID)

RFI/CMS (DPG-020 - LANDFILL NORTH OF CAMELBACK RIDGE, DPG-029 - SURFACE WASTE SITE BTWN S WIG MTN & HGRD, DPG-050 - DISPOSAL AREA, NE CAMELBACK RIDGE, DPG-053 - WASTE BURIAL SITES DURRAND ROAD, DPG-059 - PAD 7/3X STORAGE AREA @ CARR FAC, DPG-062 - AMMO IGLOOS @ CARR FACILITY, DPG-082 - WASTE PILE (E OF MICHAEL AAF)(EPIC-7A), DPG-108 - BE & C14 WASTE DISPOSAL AREA(EPIC 3-2), DPG-109 - BE & C14 WASTE DISPOSAL AREA (EPIC 3-2), DPG-123 - INCINERATOR (BAKER) BLDG 2028), DPG-131 - HWHA-1 (PAINT SHOP WASTES), DPG-132 - HWHA-2 (MOTOR VEHICLE SHOP WASTES), DPG-134 - HWHA-4 (CHEM LAB 3X WASTES), DPG-135 - HWHA-5 (PHOTO WASTES), DPG-136 - HWHA-6 (TEST GENERATED WASTES), DPG-137 - HWHA-7 (GRID OPS BRANCH WASTE), DPG-138 - HWHA-8 (LUB OIL-ANTIFREEZE), DPG-139 - HWHA-9 (MOTOR OIL-ANTIFREEZE), DPG-140 - HWHA-10 (BATTERIES & KOH SOL), DPG-141 - HWHA-11 (MOTOR VEHICLE SHOP WASTES), DPG-142 - HWHA-12 (3X WASTE FOR INCINERATORS), DPG-143 - HWHA-13 (3X

# IRP Schedule

	MATERIAL), DPG-144 - HWHA-14 (BLEACH, LAB, SLNS), DPG-145 - HWHA-15 (ENGLISH VILLAGE AUTOSHOP), DPG-151 - STAINLESS STEEL SUMP CARR (3X), DPG-152 - STAINLESS STEEL HOLDING TANK,CARR (3X), DPG-153 - STAINLESS STEEL SUMP, CARR (3X), DPG-174 - STORAGE SHEDS AT BAKER, DPG-202 - WASTE PILE AT CPI 3 (NOW DPG-114))
DES	(DPG-059 - PAD 7/3X STORAGE AREA @ CARR FAC)
<b>1999</b>	
CS	(DPG-203 - LANDFILL NORTH OF APG)
DES	(DPG-034 - BOILER BLOWDOWN POND BAKER AREA)
RFI/CMS	(DPG-002 - SCRAP CONSTRUCTION FILL, N GRANITE PEAK, DPG-012 - LOW LEVEL RAD LANDFILL, SE GRANITE PEAK, DPG-022 - IGLOO SITE (SW TOWER GRID), DPG-028 - SURFACE WASTE DISPOSAL SITE (H GRID), DPG-033 - OLD SEWAGE LAGOON, NORTH OF BAKER LAB, DPG-034 - BOILER BLOWDOWN POND BAKER AREA, DPG-036 - IMHOFF TK/DRAINFIELD AT DITTO TECH CTR, DPG-064 - WASTE BURIAL SITE (SE TOWER GRID), DPG-066 - DISPOSAL AREA NEAR HILL 5700, DPG-081 - FORMER MUNITIONS STORAGE IGLOO(1942-80), DPG-101 - WASTE DISPOSAL SITE(EAST OF WIG GRID), DPG-103 - DECON PAD @ BLDG 9411, WEST GRANITE MTN, DPG-104 - DECON PAD, JCT TANGO/BURNS/VICTORY, DPG-107 - DECONTAMINATION PAD (TOWER GRID), DPG-110 - BE & C14 WASTE DISPOSAL AREA (EPIC 3-2), DPG-111 - BE & C14 WASTE DISPOSAL AREA(EPIC 3-2), DPG-122 - INCINERATOR, BAKER LAB BASEMENT, DPG-159 - INCINERATOR, ENGLISH VILLAGE, DPG-169 - BAKER VEHICLE WASH RACK, DPG-176 - ACID DILUTION BOX - 4026 DITTO, DPG-196 - INCINERATOR EAST OF CARR)
<b>2000</b>	
IRA	(DPG-099 - 3X DISPOSAL AREA VIC E CAMELBACK MT, DPG-162 - DECON PAD NO OF AVERY)
RFI/CMS	(DPG-005 - CONTAMINATED MAT BURIAL SITE (V-GRID), DPG-007 - BRINE VATS, WEST OF GRANITE PEAK, DPG-091 - ASPHALT PILE SO OF BAKER, DPG-158 - EVAP POND NO OF MICHAEL AAF, DPG-168 - CAR WASH RACK)
RFA	(PBC at Dugway - PBC)
<b>2001</b>	
IRA	(DPG-051 - EVAPORATION POND NEAR DTC, DPG-058 - EVAPORATION POND @ CARR FACILITY, DPG-063 - SEPTIC TANK/DRAINFIELD @ CARR FACILITY, DPG-128 - PESTICIDE STORAGE BLDG, ENGLISH VIL)
DES	(DPG-007 - BRINE VATS, WEST OF GRANITE PEAK, DPG-033 - OLD SEWAGE LAGOON, NORTH OF BAKER LAB, DPG-036 - IMHOFF TK/DRAINFIELD AT DITTO TECH CTR, DPG-037 - LANDFILL, WEST OF DITTO TEC CENTER)
RFI/CMS	(DPG-001 - SCRAP CONSTRUCTION MAT FILL FROM V-GRID, DPG-013 - DECON PAD, JCT DOWNWIND W & LIMA ROADS, DPG-037 - LANDFILL, WEST OF DITTO TEC CENTER, DPG-047 - SEWAGE LAGOONS, SOUTH OF FRIES PARK, DPG-070 - DISTURBED AREA (ANIMAL WASTE DUMP)(EV), DPG-092 - LANDFILL (NO EAST OF BAKER), DPG-093 - EXCAVATION/TRENCHES(EPIC-12A), DPG-096 - CONCRETE DEBRIS,SO. OF MICHAEL AAF, DPG-117 - WASTE DISPOSAL PIT (FALCONER ROAD), DPG-175 - ACID NEUTRALIZATION TANK - AVERY AREA, DPG-178 - PHOTO PROCESSING BUILD - DITTO (4258), DPG-181 - X-RAY LAB,CARR FACILITY(BLDG 3131), DPG-184 - AIR FILTER SYSTEM, BLDG 1004, DPG-187 - PRINT SHOP - ENGLISH VILLAGE (5466), DPG-191 - LANDFILL - WEST OF EXISTING LANDFIL, DPG-195 - INCINERATOR EAST OF CARR)
<b>2002</b>	
RFI/CMS	(DPG-038 - DECON PAD, SOUTH OF DITTO TECH CENTER, DPG-040 - FENCED STORAGE AREA @ AVERY FACILITY, DPG-063 - SEPTIC TANK/DRAINFIELD @ CARR FACILITY, DPG-065 - LANDFILL (WHITE SAGE FLATS), DPG-128 - PESTICIDE STORAGE BLDG, ENGLISH VIL, DPG-162 - DECON PAD NO OF AVERY, DPG-182 - OPEN DET UNIT/SUPPRESSIVE TEST SHIELD)
CMI(C)	(DPG-034 - BOILER BLOWDOWN POND BAKER AREA, DPG-063 - SEPTIC TANK/DRAINFIELD @ CARR FACILITY)
IRA	(DPG-177 - OLD DRY CLEANING SHOP/SEWER SYSTEM DITTO)
DES	(DPG-002 - SCRAP CONSTRUCTION FILL, N GRANITE PEAK, DPG-063 - SEPTIC TANK/DRAINFIELD @

## IRP Schedule

CARR FACILITY, DPG-128 - PESTICIDE STORAGE BLDG, ENGLISH VIL, DPG-158 - EVAP POND NO OF MICHAEL AAF)

### 2003

CMI(C)

(DPG-002 - SCRAP CONSTRUCTION FILL, N GRANITE PEAK, DPG-007 - BRINE VATS, WEST OF GRANITE PEAK, DPG-033 - OLD SEWAGE LAGOON, NORTH OF BAKER LAB, DPG-036 - IMHOFF TK/DRAINFIELD AT DITTO TECH CTR, DPG-059 - PAD 7/3X STORAGE AREA @ CARR FAC, DPG-162 - DECON PAD NO OF AVERY)

DES

(DPG-042 - CONTRACTOR LANDFILL NEAR ENGLISH VILLAGE, DPG-043 - OLD LANDFILL FOR ENGLISH VILLAGE, DPG-046 - SHOP SUMP @ MAINT AREA @ ENGLISH VILLAGE, DPG-047 - SEWAGE LAGOONS, SOUTH OF FRIES PARK, DPG-162 - DECON PAD NO OF AVERY, DPG-163 - FIRE TRAINING AREA, DPG-168 - CAR WASH RACK, DPG-169 - BAKER VEHICLE WASH RACK, DPG-175 - ACID NEUTRALIZATION TANK - AVERY AREA)

RFI/CMS

(DPG-039 - LANDFILL NORTH OF AVERY, DPG-042 - CONTRACTOR LANDFILL NEAR ENGLISH VILLAGE, DPG-043 - OLD LANDFILL FOR ENGLISH VILLAGE, DPG-046 - SHOP SUMP @ MAINT AREA @ ENGLISH VILLAGE, DPG-051 - EVAPORATION POND NEAR DTC, DPG-054 - DISPOSAL AREA(S), EAST OF CARR FACILITY, DPG-090 - BURNING AREA, EAST OF CARR FAC(EPIC-10E), DPG-163 - FIRE TRAINING AREA)

### 2004

RFI/CMS

(DPG-006 - SURFACE STORE AREA VIC 10 MILE TOWER, DPG-010 - LOW LEVEL RAD LANDFILL, WEST OF GRANITE, DPG-018 - DISPOSAL SITE @ SE TOWER GRID, DPG-023 - WASTE BURIAL SITE ( TOWER GRID), DPG-099 - 3X DISPOSAL AREA VIC E CAMELBACK MT, DPG-115 - LANDFILL, X-RAY RD 1MI S OF BLDG T9490, DPG-116 - LANDFILL NYE ROAD, DPG-124 - 3X/5X CARR FACILITY INCINERATOR, DPG-130 - SUMP, AAFES GAS STATION, ENGLISH VILLAGE, DPG-165 - AVERY WASH RACK #2, DPG-167 - CONT SOIL @ DITTO BLDG 4358, DPG-172 - OLD BATTERY SHOP, AVERY AREA (BLDG 1006), DPG-179 - BLDG 3342, 3048 SUMPS, DPG-188 - WASTE PIT NORTH OF RISING SUN GRID, DPG-190 - RANGER LANDFILL AT PRIME ROAD GRAVEL PIT, DPG-212 - M55 ROCKET TEST SITE, SO TOWER GRID, DPG-213 - BURIAL TRENCH, TARGET S, DPG-215 - PIGEON LOFT TRENCHES, DOWNWIND GRID)

DES

(DPG-038 - DECON PAD, SOUTH OF DITTO TECH CENTER, DPG-040 - FENCED STORAGE AREA @ AVERY FACILITY)

CMI(C)

(DPG-040 - FENCED STORAGE AREA @ AVERY FACILITY, DPG-043 - OLD LANDFILL FOR ENGLISH VILLAGE, DPG-046 - SHOP SUMP @ MAINT AREA @ ENGLISH VILLAGE, DPG-047 - SEWAGE LAGOONS, SOUTH OF FRIES PARK, DPG-048 - 3X STORAGE AREA @ FRIES PARK, DPG-128 - PESTICIDE STORAGE BLDG, ENGLISH VIL, DPG-158 - EVAP POND NO OF MICHAEL AAF, DPG-175 - ACID NEUTRALIZATION TANK - AVERY AREA)

### 2005

CMI(C)

(DPG-038 - DECON PAD, SOUTH OF DITTO TECH CENTER, DPG-042 - CONTRACTOR LANDFILL NEAR ENGLISH VILLAGE, DPG-065 - LANDFILL (WHITE SAGE FLATS), DPG-169 - BAKER VEHICLE WASH RACK)

DES

(DPG-065 - LANDFILL (WHITE SAGE FLATS))

CMI(O)

(DPG-038 - DECON PAD, SOUTH OF DITTO TECH CENTER)

RFI/CMS

(DPG-016 - DECON PAD, JCT EAST DOWNWIND & HWY 102, DPG-017 - AGENT DISPOSAL SITE @ S TOWER GRID, DPG-019 - DISPOSAL SITE @ NE TOWER GRID, DPG-025 - DISPOSAL AREA JCT LIMA & STARKS ROADS, DPG-075 - OLD FRIES PARK SEWAGE LAGOON(EPIC-3D), DPG-077 - EX-ASPHALT PILE LITTLE GRANITE MTN, DPG-113 - LANDFILL POLE LINE ROAD, DPG-118 - TEST VAT(1940-1950'S) (EAST OF V-GRID), DPG-171 - BLDG 2006 BAKER AREA - BZ CONTAMINANT, DPG-185 - OLD CHEMICAL LABORATORY-DITTO AREA(4165), DPG-194 - Burial Site, EAST OF CARR, DPG-200 - BURIAL SITE, SOUTHEAST OF CARR, DPG-205 - GRASSY PLOTS GRID, EAST OF BAKER, DPG-214 - DECONTAMINATION PAD, TARGET S, DPG-216 - TRASH PIT, GRANITE MTN)

### 2006

RFI/CMS

(DPG-003 - VEHICLE DECON PAD(AND BLDG T-9410), DPG-008 - BURIAL SITE WEST GRANITE PEAK, DPG-014 - DISPOSAL SITES, JCT DOWNWIND & JULIET RD, DPG-021 - DISPOSAL SITE @ N CAMELBACK RIDGE, DPG-044 - OLD STP FOR ENGLISH VILLAGE, DPG-052 - WASTE BURIAL SITES

## IRP Schedule

	(EAST SE OF CARR), DPG-055 - 3X DISPOSAL SITE, E OF CARR FACILITY, DPG-056 - STORAGE SITE, E OF CARR FACILITY, DPG-058 - EVAPORATION POND @ CARR FACILITY, DPG-079 - WASTE PILE (SW OF LITTLE GRANITE MTN), DPG-098 - PIPELINE EXCAV VIC OLD IGLOOS @ CARR FAC, DPG-193 - DECONPAD - WEST OF GRANITE MOUNTAIN, DPG-197 - DISP. PIT,TARGET SITE, DWND GRID, DPG-206 - SURFACE DISPOSAL AREA, SW OF MAAF, DPG-207 - DISPOSAL TRENCHES AND MOUNDS, CARR)
CMI(C)	(DPG-037 - LANDFILL, WEST OF DITTO TEC CENTER, DPG-051 - EVAPORATION POND NEAR DTC, DPG-090 - BURNING AREA, EAST OF CARR FAC(EPIC-10E), DPG-163 - FIRE TRAINING AREA, DPG-168 - CAR WASH RACK)
DES	(DPG-003 - VEHICLE DECON PAD(AND BLDG T-9410), DPG-014 - DISPOSAL SITES, JCT DOWNWIND & JULIET RD, DPG-017 - AGENT DISPOSAL SITE @ S TOWER GRID, DPG-021 - DISPOSAL SITE @ N CAMELBACK RIDGE, DPG-051 - EVAPORATION POND NEAR DTC, DPG-052 - WASTE BURIAL SITES (EAST SE OF CARR), DPG-054 - DISPOSAL AREA(S), EAST OF CARR FACILITY, DPG-056 - STORAGE SITE, E OF CARR FACILITY, DPG-090 - BURNING AREA, EAST OF CARR FAC(EPIC-10E), DPG-194 - Burial Site, EAST OF CARR, DPG-200 - BURIAL SITE, SOUTHEAST OF CARR, DPG-207 - DISPOSAL TRENCHES AND MOUNDS, CARR, DPG-213 - BURIAL TRENCH, TARGET S, DPG-215 - PIGEON LOFT TRENCHES, DOWNWIND GRID)
IRA <b>2007</b>	(DPG-201 - CAMEL'S BACK CAVE)
RFI/CMS	(DPG-009 - STORAGE SITE 3X SCRAP MATERIAL, DPG-097 - DRAINFIELD & DECONTAMINATION PAD (AVERY), DPG-133 - HWA-3 (AIRCRAFT MAINT-SHOP WASTES), DPG-150 - WASTE LINES BLDG 3445 - CARR, DPG-154 - WASTE LINES AT DTC, CARR, DPG-183 - B29 AIRCRAFT - WEST OF GRANITE PEAK, DPG-189 - WASTE PIT- NORTH OF RISING SUN GRID, DPG-199 - OLD OB/OD EAST OF SWMU17, DPG-201 - CAMEL'S BACK CAVE, DPG-211 - CORAL PIT WASTE PILE, N CMLBK RIDGE)
CMI(C)	(DPG-003 - VEHICLE DECON PAD(AND BLDG T-9410), DPG-014 - DISPOSAL SITES, JCT DOWNWIND & JULIET RD, DPG-017 - AGENT DISPOSAL SITE @ S TOWER GRID, DPG-018 - DISPOSAL SITE @ SE TOWER GRID, DPG-019 - DISPOSAL SITE @ NE TOWER GRID, DPG-021 - DISPOSAL SITE @ N CAMELBACK RIDGE, DPG-023 - WASTE BURIAL SITE ( TOWER GRID), DPG-025 - DISPOSAL AREA JCT LIMA & STARKS ROADS, DPG-039 - LANDFILL NORTH OF AVERY, DPG-052 - WASTE BURIAL SITES (EAST SE OF CARR), DPG-054 - DISPOSAL AREA(S), EAST OF CARR FACILITY, DPG-055 - 3X DISPOSAL SITE, E OF CARR FACILITY, DPG-056 - STORAGE SITE, E OF CARR FACILITY, DPG-058 - EVAPORATION POND @ CARR FACILITY, DPG-079 - WASTE PILE (SW OF LITTLE GRANITE MTN), DPG-188 - WASTE PIT NORTH OF RISING SUN GRID, DPG-194 - Burial Site, EAST OF CARR, DPG-199 - OLD OB/OD EAST OF SWMU17, DPG-200 - BURIAL SITE, SOUTHEAST OF CARR, DPG-207 - DISPOSAL TRENCHES AND MOUNDS, CARR, DPG-213 - BURIAL TRENCH, TARGET S, DPG-215 - PIGEON LOFT TRENCHES, DOWNWIND GRID)
DES	(DPG-009 - STORAGE SITE 3X SCRAP MATERIAL, DPG-018 - DISPOSAL SITE @ SE TOWER GRID, DPG-019 - DISPOSAL SITE @ NE TOWER GRID, DPG-023 - WASTE BURIAL SITE ( TOWER GRID), DPG-025 - DISPOSAL AREA JCT LIMA & STARKS ROADS, DPG-039 - LANDFILL NORTH OF AVERY, DPG-055 - 3X DISPOSAL SITE, E OF CARR FACILITY, DPG-058 - EVAPORATION POND @ CARR FACILITY, DPG-079 - WASTE PILE (SW OF LITTLE GRANITE MTN), DPG-115 - LANDFILL, X-RAY RD 1MI S OF BLDG T9490, DPG-197 - DISP. PIT,TARGET SITE, DWND GRID, DPG-199 - OLD OB/OD EAST OF SWMU17, DPG-212 - M55 ROCKET TEST SITE, SO TOWER GRID)
IRA <b>2008</b>	(DPG-208 - DRUM BURIAL SITE SE OF CARR)
CMI(C)	(DPG-115 - LANDFILL, X-RAY RD 1MI S OF BLDG T9490, DPG-197 - DISP. PIT,TARGET SITE, DWND GRID, DPG-212 - M55 ROCKET TEST SITE, SO TOWER GRID, PBC at Dugway - PBC)
CMI(O)	(DPG-212 - M55 ROCKET TEST SITE, SO TOWER GRID)
RFI/CMS	(DPG-173 - OLD BATTERY SHOP - DITTO AREA, DPG-177 - OLD DRY CLEANING SHOP/SEWER SYSTEM DITTO, DPG-180 - FORMER BIO-LAB WEST OF CARR FAC., DPG-209 - BIO TEST PLOTS, SE ALL PURPOSE GRID, DPG-210 - GLASS DISPOSAL SITE, SO OF BAKER)



# IRP Schedule

## 2009

DES (DPG-192 - Disposal Pits - 63 PITS W GRANITE, DPG-204 - LEWISITE AREA, SIMPSON BUTTES)  
 RFI/CMS (DPG-004 - OLD BAKER LAB @ NORTH GRANITE PEAK, DPG-015 - RISING SUN TEST AREA, DPG-031 - WASTE BURIAL SITE (NORTH WIG MOUNTAIN), DPG-032 - DUMP SITE SW OF BAKER LABORATORY, DPG-035 - DRAINFIELD, NORTH OF BAKER LABORATORY, DPG-041 - EVAPORATING POND @ AVERY FACILITY, DPG-060 - CHEMICAL STORAGE AREA@ CARR FACILITY, DPG-061 - CONTAMINATED SOIL @NEW CARR FACILITY, DPG-114 - OLD GPI-3 TEST SITE (NW V-GRID), DPG-192 - Disposal Pits - 63 PITS W GRANITE, DPG-204 - LEWISITE AREA, SIMPSON BUTTES, DPG-208 - DRUM BURIAL SITE SE OF CARR)

## 2010

LTM (DPG-004 - OLD BAKER LAB @ NORTH GRANITE PEAK, DPG-035 - DRAINFIELD, NORTH OF BAKER LABORATORY, DPG-114 - OLD GPI-3 TEST SITE (NW V-GRID))  
 IRA (DPG-204 - LEWISITE AREA, SIMPSON BUTTES)

## 2012

CMI(C) (DPG-009 - STORAGE SITE 3X SCRAP MATERIAL, DPG-192 - Disposal Pits - 63 PITS W GRANITE)  
 IRA (DPG-011 - LOW LEVEL RAD Burial Pits, Granite)

## 2014

CMI(O) (PBC at Dugway - PBC)

### Projected Phase Completion Milestones

See attached schedule

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

Site ID	Site Name	ROD/DD Title	ROD/DD Date
DPG-201	CAMEL'S BACK CAVE	DPG-201	20380901

**Final RA(C) Completion Date:** 201509

**Schedule for Next Five-Year Review:** 2016

**Estimated Completion Date of IRP at Installation (including LTM phase):** 204409

## DUGWAY PROVING GROUND IRP Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
DPG-002	SCRAP CONSTRUCTION FILL, N GRANITE PEAK	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
DPG-003	VEHICLE DECON PAD(AND BLDG T-9410)	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
DPG-006	SURFACE STORE AREA VIC 10 MILE TOWER	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
DPG-011	LOW LEVEL RAD Burial Pits, Granite	RFI/CMS						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
DPG-014	DISPOSAL SITES, JCT DOWNWIND & JULIET RD	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
DPG-017	AGENT DISPOSAL SITE @ S TOWER GRID	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
DPG-021	DISPOSAL SITE @ N CAMELBACK RIDGE	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
DPG-036	IMHOFF TK/DRAINFIELD AT DITTO TECH CTR	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
DPG-037	LANDFILL, WEST OF DITTO TEC CENTER	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
DPG-038	DECON PAD, SOUTH OF DITTO TECH CENTER	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
DPG-039	LANDFILL NORTH OF AVERY	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
DPG-043	OLD LANDFILL FOR ENGLISH VILLAGE	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
DPG-044	OLD STP FOR ENGLISH VILLAGE	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
DPG-052	WASTE BURIAL SITES (EAST SE OF CARR)	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
DPG-054	DISPOSAL AREA(S), EAST OF CARR FACILITY	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
DPG-055	3X DISPOSAL SITE, E OF CARR FACILITY	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
DPG-056	STORAGE SITE, E OF CARR FACILITY	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
DPG-058	EVAPORATION POND @ CARR FACILITY	LTM						
SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
DPG-061	CONTAMINATED SOIL @NEW CARR FACILITY	LTM						

## DUGWAY PROVING GROUND IRP Schedule

SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
DPG-079	WASTE PILE (SW OF LITTLE GRANITE MTN)	LTM						
DPG-090	BURNING AREA, EAST OF CARR FAC(EPIC-10E)	LTM						
DPG-097	DRAINFIELD & DECONTAMINATION PAD (AVERY)	LTM						
DPG-128	PESTICIDE STORAGE BLDG, ENGLISH VIL	LTM						
DPG-133	HWHA-3 (AIRCRAFT MAINT-SHOP WASTES)	LTM						
DPG-192	Disposal Pits - 63 PITS W GRANITE	LTM						
DPG-194	Burial Site, EAST OF CARR	LTM						
DPG-197	DISP. PIT,TARGET SITE, DWND GRID	LTM						
DPG-199	OLD OB/OD EAST OF SWMU17	LTM						
DPG-200	BURIAL SITE, SOUTHEAST OF CARR	LTM						
DPG-201	CAMEL'S BACK CAVE	LTM						
DPG-204	LEWISITE AREA, SIMPSON BUTTES	LTM						
DPG-207	DISPOSAL TRENCHES AND MOUNDS, CARR	LTM						
DPG-213	BURIAL TRENCH, TARGET S	LTM						
DPG-215	PIGEON LOFT TRENCHES, DOWNWIND GRID	LTM						

**DUGWAY PROVING GROUND**  
**Army Defense Environmental Restoration Program**  
**Military Munitions Response Program**

# MMRP Summary

**Installation Total Army Environmental Database-Restoration (AEDB-R) Sites/Closeout Sites Count:** 1/0

**Installation Site Types with Future and/or Underway Phases**

1 Unexploded Munitions/Ordnance  
(DPG-001-R-01)

**Most Widespread Contaminants of Concern**

Chemical weapon munitions (CWM)/Chemical agent, Munitions and explosives of concern (MEC), Munitions constituents (MC)

**Media of Concern**

Groundwater, Soil

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

Site ID	Site Name	Action	Remedy	FY
N/A				

**Duration of MMRP**

**Date of MMRP Inception** 200203

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

**Date of MMRP completion including Long Term Management (LTM):** 203009

# MMRP Contamination Assessment

## **Contamination Assessment Overview**

The DPG has one Military Munitions Response Program (MMRP) site. According to the DPG EOD and safety offices, MEC/MCs are highly likely to be found within the Southern Triangle Joint Use Area (STJUA) due to missed targets during training exercises.

An SI was conducted in FY10. Future actions and costs will be determined based upon the results of the RI/FS. Site work will be determined upon results.

## **Cleanup Exit Strategy**

Future actions will be based on the results of the RI/FS. DPG anticipates Rising Sun Grid to be added as an MMRP site based on future eligibility.

## MMRP Previous Studies

2010

Title	Author	Date
Final Site Inspection Report	TLI Solutions	SEP-2010

**DUGWAY PROVING GROUND**  
**Military Munitions Response Program**  
**Site Descriptions**



**Site ID: DPG-001-R-01**  
**Site Name: Southern Triangle Area**

**STATUS**

**Regulatory Driver:** CERCLA  
**MRSPP Score:** Evaluation pending  
Contaminants of Concern: Chemical weapon munitions (CWM)/Chemical agent, Munitions and explosives of concern (MEC), Munitions constituents (MC)  
Media of Concern: Groundwater, Soil

Phases	Start	End
PA.....	200203.....	200303
SI.....	200805.....	201009
RI/FS.....	201010.....	201601
RD.....	201701.....	201703
RA(C).....	201703.....	201909
LTM.....	201909.....	203009

**RIP Date:** N/A  
**RC Date:** 201909

**SITE DESCRIPTION**

A historical documents search was conducted to compile information associated with the use or disposal of CWM within the STJUA adjacent to DPG. The search centered on determining if "CWM contamination could remain on the site from activities associated with 1943 testing on the Rising Sun Target Grid, which is encompassed by the STJUA." While the Rising Sun Target Grid is fenced, the STJUA has no access barriers and is located within a public recreation area. The 1993 primary use of this site was as sheep and cattle grazing lands and recreation.

The STJUA was under DoD control through a special land use permit with the BLM. The original five-year lease began in June 1955 for 31,360 acres. In 1960, the lease was renewed and 11,330 acres were added for a total of 42,690 acres. The lease was also renewed in 1965 and 1970. According to the text, a lease renewal was requested for another five years, but the BLM changed the term to one year. This one-year lease was renewed in 1976; however, text in the next paragraph states that the permit was terminated in June 1970. It is unclear where the discrepancy lies. Text later in the document refers to the lease being renewed in 1970 for a period of five years. As of 1993, BLM owned 38,179 acres of the area while the state of Utah owns 4,511. DPG also had a lease on 640 acres in the center of the STJUA, known as the Rising Sun Target Grid. The text states that this 640-acre area is under lease until 2001; however, the 2005 operational range boundary included this area within the installation boundary. DPG is currently resolving this error to remove the 640 acres from the active range inventory so it will be eligible for inclusion into the MMRP.

The primary years of use for the STJUA were from 1942 to 1945 as well as the 1950s and 1960s. The area was used primarily as a buffer zone for the Rising Sun Target Grid and other ranges on DPG. During this time the Rising Sun Target Grid was mainly used as an impact area for testing CWM-filled munitions. Outside of the years listed above, conventional munitions were also fired into the Rising Sun Target Grid. Other target areas such as Target S and the White Sage Impact Range also used the STJUA as a buffer zone. According to the DPG EOD and Safety Offices, MEC/MC is possible within the STJUA due to missed targets during training exercises.

The MMRP-SI was complete in 2010.

**CLEANUP/EXIT STRATEGY**

An SI was completed in FY10. Future actions and costs will be determined based upon the results of the RI/FS. Site work will be determined upon results. The MMRP contract has been awarded and the RI effort is underway.

## Site Closeout (No Further Action) Summary

Site ID	Site Name	NFA Date	Documentation
There are no NFA sites			

## MMRP Schedule

**Date of MMRP Inception** 200203

### **Past Phase Completion Milestones**

**2003**

PA (DPG-001-R-01 - Southern Triangle Area)

**2010**

SI (DPG-001-R-01 - Southern Triangle Area)

### **Projected Phase Completion Milestones**

**See attached schedule**

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

To Be Determined

**Final RA(C) Completion Date:** 201909

**Schedule for Next Five-Year Review:** 2016

**Estimated Completion Date of MMRP at Installation (including LTM phase):** 203009

## DUGWAY PROVING GROUND MMRP Schedule

= phase underway

SITE ID	SITE NAME	PHASE	FY16	FY17	FY18	FY19	FY20	FY21+
DPG-001-R-01	Southern Triangle Area	RI/FS						
		RD						
		RA(C)						
		LTM						

## Community Involvement

**Technical Review Committee (TRC):** 199201

**Community Involvement Plan (Date Published):** 201305

**Restoration Advisory Board (RAB):** RAB established 200002

**RAB Adjournment Date:** 201008

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

### Additional Community Involvement Information

The DPG established a RAB in FY00 consisting of members from English Village (DPG), Skull Valley, Grantsville, Rush Valley, Stansbury, Tooele, and Vernon. Representatives from local government, the USEPA, the DSHW, and DPG also sit on the RAB.

During 2000, the RAB established a charter and working groups. RAB meetings were held on a semiannual basis, in conjunction with TRC meetings. RAB members were provided program status updates through slide shows and handouts.

The DPG requested TAPP funds for FY01. The RAB did not submit a project request to access TAPP funding.

The RAB was formally adjourned in FY10 due to lack of public interest.

### Administrative Record is located at

Dugway Proving Grounds DEP  
Building 5330  
Room 2107  
Valdez Circle  
Dugway, Utah 84022  
435-831-2545 or 435-831-3560

### Information Repository is located at

Tooele County Library  
128 West Vine St.  
Tooele, UT  
435-882-2182

Univ of UT  
201 Presidents Cir.  
Salt Lake City, UT  
801-538-7200

UT DEQ  
195 North 1950 West  
Salt Lake City, UT  
801-538-6

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

**TAPP Title:** N/A

**Potential TAPP:** N/A

