

# **DUGWAY PROVING GROUND**

Army Cleanup Program

Installation Action Plan Final

June 2024

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## STATEMENT OF PURPOSE

The Installation Action Plan (IAP) provides evidence that the Army is firmly committed to expeditious identification and cleanup of environmental contamination, and that the installation has a credible, organized program to carry out that commitment. The IAP provides an outline of the total multi-year environmental cleanup program for each site with ongoing or future planned restoration activity and includes the (1) environmental restoration requirements, (2) the rationale for the selected technical approach, and (3) foundation to develop corresponding financial needs for each cleanup site.

## INSTALLATION OVERVIEW

**Installation Name:** DUGWAY PROVING GROUND

**Installation City:** DUGWAY

**Installation County:** TOOELE

**Installation State:** UT

**Regulatory Participation - Federal:** US Environmental Protection Agency (USEPA), Region 8, Federal Facilities Section

**Regulatory Participation - State:** Utah Department of Environmental Quality (UDEQ), Division of Waste Management and Radiation Control

## ACRONYMS

Acronym	Definition
AAF	Army Airfield
ABP	Agent Breakdown Products
BLM	Bureau of Land Management
CAO	Corrective Action Objective
CAP	Corrective Action Program
CC	Compliance-related Cleanup
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
CFR	Code of Federal Regulations
CMI	Corrective Measures Implementation
CMI(C)	Corrective Measures Implementation (Construction)
CMI(O)	Corrective Measures Implementation (Operations)
CMIR	Corrective Action Implementation Report
CMS	Corrective Measures Study
CLR	Cleanup Restoration & Liabilities
CS	Chlorobenzalmononitrile
CWM	Chemical Warfare Materiel
cy	cubic yard
DCS, G-9	Deputy Chief of Staff, Installations
DERA	Defense Environmental Restoration Account
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
ENV	Environmental
EOD	Explosive Ordnance Disposal
FS	Feasibility Study
ft	feet
FY	Fiscal Year
FYR	Five-Year Review
GCL	Geosynthetic Liner
HD	Hazardous Drug
HE	Mustard Gas
HWMU	Hazardous Waste Management Unit
IAP	Installation Action Plan
ID	Identification
IMCOM	US Army Installation Management Command
IR	Installation Restoration

Acronym	Definition
IRA	Interim Remedial Action
LTM	Long-Term Management
MC	Munitions Constituents
MEC	Munitions and Explosives of Concern
mm	millimeter
MMRP	Military Munitions Response Program
MR	Munitions Response
MRSP	Munitions Response Site Prioritization Protocol
NFA	No Further Action
NPL	National Priorities List
NRC	Nuclear Regulatory Commission
OB	Open Burning
OD	Open Detonation
PA	Preliminary Assessment
PBA	Performance Based Acquisition
PCE	Tetrachloroethylene
PFAS	Per- and Polyfluoroalkyl Substances
POL	Petroleum, Oil and Lubricants
ppm	parts per million
PR	Periodic Review
RA(C)	Remedial Action (Construction)
RA(O)	Remedial Action (Operations)
RAB	Restoration Advisory Board
RC	Response Complete
RCRA	Resource Conservation and Recovery Act
RFI	Resource Conservation and Recovery Act Facility Investigation
RI	Remedial Investigation
RIP	Remedy-In-Place
RRSE	Relative Risk Site Evaluation
SC	Site Closeout
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
TDS	Total Dissolved Solids
TNT	Trinitrotoluene
UDEQ	Utah Department of Environmental Quality
USAEC	US Army Environmental Command
USEPA	US Environmental Protection Agency

Acronym	Definition
UST	Underground Storage Tank
UXO	Unexpended Ordnance
VOC	Volatile Organic Compound
VX	O-Ethyl S-Diisopropylaminoethyl Methylphosphonothioate



## PHASE TRANSLATION TABLE

CERCLA Phase	RCRA Phase	RCRA UST Phase
Preliminary Assessment (PA)	RCRA Facility Assessment (RFA)	Initial Site Characterization (ISC)
Site Inspection (SI)	Confirmation Sampling (CS)	Investigation (INV)
Remedial Investigation/ Feasibility Study (RI/FS)	RCRA Facility Investigation/Corrective Measures Study (RFI/CMS)	Corrective Action Plan (CAP)
Remedial Design (RD)	Design (DES)	Design (DES)
Interim Remedial Action (IRA)	Interim Measure (IM)	Interim Remedial Action (IRA)
Remedial Action (Construction) (RA(C))	Corrective Measures Implementation (Construction) (CMI(C))	Implementation (Construction) (IMP(C))
Remedial Action (Operations) (RA(O))	Corrective Measures Implementation (Operations) (CMI(O))	Implementation (Operations) (IMP(O))
Long-Term Management (LTM)	Long-Term Management (LTM)	Long-Term Management (LTM)

## **PROGRAM SUMMARY**

**Number of Open Sites with Response Complete/Total Open IR Sites: 33/35**

**Number of Open Sites with Response Complete/Total Open MR Sites: 0/1**

**Number of Open Sites with Response Complete/Total Open CC Sites: 0/0**

## SITE-LEVEL INFORMATION

## 49295.1002\_DPG-002\_SCRAP CONSTRUCTION FILL, N GRANI

**Env Site ID:** DPG-002

**Cleanup Site:** SCRAP CONSTRUCTION FILL, N GRANI

**Alias:** DPG-002

**Regulatory Driver:** RCRA-C

**RIP Date:** 7/15/2003

**RC Date:** 7/15/2003

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	1/15/1986	2/15/1988
<b>CS:</b>	11/15/1991	9/15/1996
<b>RFI/CMS:</b>	9/15/1996	6/15/1999
<b>DES:</b>	10/15/1999	12/15/2001
<b>IRA:</b>	4/15/1988	8/15/1988
<b>CMI(C):</b>	12/15/2000	7/15/2003
<b>CMI(O):</b>	--	--
<b>LTM:</b>	7/16/2003	9/30/2054

**Site Narrative:** On Aug. 4, 2003, all fieldwork was completed, and closure was certified by Utah Department of Environmental Quality (UDEQ). This site consists of a burial pit located north of Granite Peak approximately 1,000 feet (ft) north of Stark Road. It was used from the 1940s to 1990 and is about 300 ft by 400 ft. This central portion of Dugway Proving Ground (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 ft apart. Approximately 4.9 tons of scrap material were removed and transported to the Defense Reutilization and Marketing Office (DRMO) at Tooele Army Depot. 31 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 fiscal year (FY) 2002 to cover waste remaining in place. The closure of DPG-002 has been completed. Approval for the DPG-002 Final Remedial Action Closure Report was received in a letter, from the Utah Solid and Hazardous Waste Control Board. A post-closure permit was issued in September 2005. The final approved downrange groundwater management area is dated June 2007. DPG-002 is currently in the long-term management (LTM) phase of the groundwater management area. The sampling schedule started in 2018 and runs through 2038 in five-year increments. This site is included in the downrange groundwater management area. Annual inspections under the Resource Conservation and Recovery Act (RCRA) Part B permit and biannual reports will continue along with groundwater management area five-year reviews (FYR). Contaminants of concern are listed in detail in the administrative record of this site. The consent order sites were approved as closed in September 2008 and LTM started in September 2009. Groundwater was sampled in 2018.

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit cover maintenance, and biannual reports will continue along with groundwater management area periodic reviews. Sampling is

performed every five years in accordance with the post-closure requirements for this site. Groundwater monitoring data is reviewed accordingly, and the outcome determines future action in the LTM program. The outcome of recent groundwater management area periodic reviews was for indefinite continued monitoring.

## 49295.1003\_DPG-003\_VEHICLE DECON PAD(AND BLDG T-941

**Env Site ID:** DPG-003

**Cleanup Site:** VEHICLE DECON PAD(AND BLDG T-941

**Alias:** DPG-003

**Regulatory Driver:** RCRA-C

**RIP Date:** 9/15/2007

**RC Date:** 9/15/2007

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	7/15/1991	11/15/1991
<b>CS:</b>	10/15/1992	10/15/1996
<b>RFI/CMS:</b>	5/15/2003	7/15/2006
<b>DES:</b>	2/15/2006	7/15/2006
<b>IRA:</b>	10/15/1993	12/15/1994
<b>CMI(C):</b>	8/15/2006	9/15/2007
<b>CMI(O):</b>	--	--
<b>LTM:</b>	9/16/2007	9/30/2054

**Site Narrative:** This seven-acre site in the all-purpose grid area has a 450-ft concrete pad. Active in the 1960s the site was used for testing and decontamination activities of various Chemical Weapons and CWM including O-Ethyl S-Diisopropylaminoethyl Methylphosphonothioate (VX). 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 Resource Conservation and Recovery Act Facility Investigation (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. Agent breakdown products (ABP) were detected in site sewer lines and drain fields. In 1993, an interim remedial action (IRA) was performed to remove Marston matting and other 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. A corrective measures study (CMS) report was completed with remediation efforts implemented. Structure removal/disposal and geosynthetic liner (GCL) covers were constructed over eight areas. Groundwater is part of the downrange groundwater management area which is included in the permit under condition VII.Q. Two corrective action objectives (CAO) were established - (1) prevent exposure to buried wastes (Areas 2 and 3), and (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 final Corrective Action Implementation Report (CMIR) was approved in August 2009. Annual inspections under the RCRA part B permit and biannual reports will continue indefinitely along with groundwater management area periodic reviews. Contaminants of concern are listed in detail in the administrative record of this site. The last site in the Corrective Action Program (CAP), 49295.1193 (DPG-204), was closed in 2012; therefore, the CAP was completed the same year making LTM begin. CAP sites in 2013, the UDEQ Division of Solid and Hazardous Waste (DSHW) approval letter for 49295.1193 (DPG-204).

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit cover maintenance, and biannual reports, will continue along with groundwater management area periodic reviews.

## 49295.1006\_DPG-006\_SURFACE STORE AREA VICTORY and 10 MILE TOWER

**Env Site ID:** DPG-006

**MRSPP:** N/A

**Cleanup Site:** SURFACE STORE AREA VICTORY and 10 MILE TOWER

**Alias:** DPG-006

**Regulatory Driver:** RCRA-C

**RIP Date:** 9/15/2004

**RC Date:** 9/15/2004

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

Phase	Start	End
<b>RFA:</b>	7/15/1991	11/15/1991
<b>CS:</b>	10/15/1992	10/15/1996
<b>RFI/CMS:</b>	10/15/1996	9/15/2004
<b>DES:</b>	--	--
<b>IRA:</b>	5/15/1993	12/15/1994
<b>CMI(C):</b>	--	--
<b>CMI(O):</b>	--	--
<b>LTM:</b>	9/16/2004	9/30/2054

**Site Narrative:** This site includes six disposal areas consisting of four different units located near Ten Mile Tower. One unit contained empty 55-gallon drums and a possible bum area. The other three units were unlined impoundments that were used to contain fuel bladders. Final RFI was approved in June 2004. The UDEQ DSHW library number for the RFI is DPG00431. Soil sampling/soil gas analysis indicates no further action (NFA) for soils. Groundwater is part of the downrange groundwater management area which is included in the permit under condition VII.Q. Contaminants of concern are listed in detail in the administrative record of this site.

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit and biannual reports will continue indefinitely along with groundwater management area FYR. Sampling is performed every five years in accordance with the post-closure requirements for this site. Groundwater monitoring data is reviewed accordingly, and the outcome determines future action in the LTM program. Outcome of recent groundwater management area periodic review was for continued monitoring.



## 49295.1011\_DPG-011\_LOW LEVEL RAD BURIAL PITS, GRANITE

**Env Site ID:** DPG-011

**Cleanup Site:** LOW LEVEL RAD BURIAL PITS, GRANITE

**Alias:** DPG-011

**Regulatory Driver:** CERCLA

**RIP Date:** 10/1/2025

**RC Date:** 10/1/2025

**RC Reason:** Not assigned

**SC Date:** 9/30/2055

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:** Low

**MRSPP:** N/A

Phase	Start	End
PA:	7/15/1991	11/15/1991
SI:	10/15/1992	10/15/1996
RI/FS:	4/15/1996	4/30/2022
RD:	--	--
IRA:	10/15/1993	9/15/2012
RA(C):	10/1/2010	10/1/2025
RA(O):	--	--
LTM:	10/1/2025	9/30/2055

**Site Narrative:** This 16-acre site corresponding to the location of the former East Granite Holding Area (active from 1950 to 1977) consists of Area 1, with four covered trenches (non-engineered) (TR-1, TR-2, TR-3, and TR-4); Area 2, a radiological area, with two disposal features (TR-5 and TR-6). The covered trenches toward the northeast were used for test burning beryllium-containing rocket propellant accepted by the Army from the Air Force in 1965. TR-5 and TR-6 are associated with radioactive waste materials likely stored at the Avery holding area, including tritium and carbon-14, which were placed between 1952 and 1965. Removal of surface 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 Ditto Technical Center (DTC) area for disposal. Removal of surface debris continued through 1985 when materials were transported to a munition's 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 began in 2010; fieldwork was completed in FY11. A Phase II RFI was completed in FY10. Contaminants of concern are listed in detail in the administrative record of this site. Based on US Army Installation Management Command (IMCOM) guidance, the remaining radioactive waste work required on this site will be addressed under Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA). A characterization report on Area 2 (radioactive portion of the site) has been submitted to the Nuclear Regulatory Commission (NRC) for review (FY20). Based on review/comment response, US Army Environmental Command (USAEC) initiated the CMS phase which is ended in FY22.

Cleanup/Exit Strategy - RA work will take place FY24. The cleanup implementation is unchanged as outlined in the ROD. Excavate waste pits TR-5 and TR-6 and fill with clean fill. Annual inspections under the RCRA part B permit including a review by the radiation review officer and biannual reports will continue indefinitely for TR-1 through TR-4.

## 49295.1014\_DPG-014\_DISPOSAL PIT, JCT DOWNWIND & JOLIET

**Env Site ID:** DPG-014

**Cleanup Site:** DISPOSAL PIT, JCT DOWNWIND & JOLIET

**Alias:** DPG-014

**Regulatory Driver:** RCRA-C

**RIP Date:** 9/30/2007

**RC Date:** 9/30/2007

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	1/31/1986	2/29/1988
<b>CS:</b>	11/30/1991	9/30/1996
<b>RFI/CMS:</b>	9/30/1996	1/31/2006
<b>DES:</b>	2/28/2006	7/31/2006
<b>IRA:</b>	2/29/1988	12/31/1995
<b>CMI(C):</b>	8/31/2006	9/30/2007
<b>CMI(O):</b>	--	--
<b>LTM:</b>	10/1/2007	9/30/2054

**Site Narrative:** DPG-014 is located at the southern end of the Downwind Grid in the central portion of DPG southeast of Granite Peak. The site consisted 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 ft wide and 12 to 15 ft deep when active, and the pile of excavated soil was approximately 6 to 8 ft 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, two chlorobenzalmalononitrile (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 DRMO. Groundwater monitoring has been conducted at DPG-014 since 1996. Additional groundwater assessment activities were conducted in 2001. No significant contamination was found in the groundwater, and in 2003, groundwater monitoring requirements were reduced. Remediation efforts at this site were completed in 2007. The consent order sites were approved as closed in September 2008 and LTM started in September 2009. Contaminants of concern are listed in detail in the administrative record of this site. LTM began in September 2009 and will continue indefinitely based on Dugway Permit and Code of Federal Regulations (CFR) Title 40 Part 256.120.

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit and biannual reports will continue indefinitely. Cover maintenance is required in accordance with the post closure requirements as outlined in the Part B permit.

## 49295.1017\_DPG-017\_AGENT DISPOSAL SITE @ S TOWER GR

**Env Site ID:** DPG-017

**Cleanup Site:** AGENT DISPOSAL SITE @ S TOWER GR

**Alias:** DPG-017

**Regulatory Driver:** RCRA-C

**RIP Date:** 9/30/2007

**RC Date:** 9/30/2007

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	7/31/1991	11/30/1991
<b>CS:</b>	10/31/1992	10/31/1996
<b>RFI/CMS:</b>	10/31/1996	9/30/2005
<b>DES:</b>	2/28/2006	7/31/2006
<b>IRA:</b>	7/31/1991	10/31/1993
<b>CMI(C):</b>	8/31/2006	9/30/2007
<b>CMI(O):</b>	--	--
<b>LTM:</b>	10/1/2007	9/30/2054

**Site Narrative:** This 178-acre fenced waste burial site is in the Tower Grid area and was active from 1950 to 1977. The site was reportedly used during demilitarization of chemical weapons. There are three trenches, six mounds, a drum storage area, and a concrete pad. In 1991, warning signs were placed in the area for site control purposes. In 1993, approximately 46.6 tons of debris were removed. The debris removed consisted of demilitarization residues equipment and non-military related debris.

Approximately 15.4 tons of this debris was hauled to DRMO, while 31.2 tons of agent decontaminated materials were disposed as \*F999 waste at the Grassy Mountain facility. The explosive risk associated with this site was high during Phase I activities; therefore, all soil and groundwater sampling was performed outside of the fenced area. Elevated metal levels in soil and downgradient groundwater samples were duplicated in the upgradient well, identifying DPG-017 as the source. During site reconnaissance, new burial pits were discovered in the northwest corner of the site. New monitoring wells were installed adjacent to the newly discovered burial pits. In fall 2002, limited debris removal was completed and in September 2005, the Phase II RFI report was approved by the UDEQ DSHW. A geosynthetic liner (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. Groundwater is part of the downrange groundwater management area, which is included in the permit under condition VII.Q The corrective action sites were approved and closed in September 2008, and LTM started in September 2009. One CAO was established to prevent exposure to buried wastes by hypothetical intrusive site workers and burrowing ecological receptors. Contaminants of concern are listed in detail in the administrative record of this site.

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit cover maintenance and biannual reports will continue indefinitely along with groundwater management area periodic reviews.

## 49295.1021\_DPG-021\_DISPOSAL SITE @ N CAMELBACK RIDG

**Env Site ID:** DPG-021

**Cleanup Site:** DISPOSAL SITE @ N CAMELBACK RIDG

**Alias:** DPG-021

**Regulatory Driver:** RCRA-C

**RIP Date:** 9/15/2007

**RC Date:** 9/15/2007

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	7/15/1991	11/15/1991
<b>CS:</b>	10/15/1992	10/15/1996
<b>RFI/CMS:</b>	10/15/1996	10/15/2005
<b>DES:</b>	2/15/2006	7/15/2006
<b>IRA:</b>	10/15/1993	12/15/1994
<b>CMI(C):</b>	2/15/2006	9/15/2007
<b>CMI(O):</b>	--	--
<b>LTM:</b>	9/16/2007	9/30/2054

**Site Narrative:** This is a three-acre site that is 2 miles west of the Ditto area. The site was active from the 1940s to 1950s. The site was reportedly 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. 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. The last site in the CAP, 49295.1193 (DPG-204), was closed in 2012; therefore, the CAP was completed the same year, making LTM begin. CAP sites in 2013 based on the UDEQ DSHW approval letter for 49295.1193 (DPG-204). Contaminants of concern are listed in detail in the administrative record of this site.

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit and biannual reports will continue indefinitely. Cover maintenance is required in accordance with the post closure requirements as outlined in the Part B permit.

## 49295.1034\_DPG-036\_IMHOFF TK/DRAINFIELD AT DITTO TE

**Env Site ID:** DPG-036

**Cleanup Site:** IMHOFF TK/DRAINFIELD AT DITTO TE

**Alias:** DPG-036

**Regulatory Driver:** RCRA-C

**RIP Date:** 9/15/2003

**RC Date:** 9/15/2003

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	1/15/1986	2/15/1988
<b>CS:</b>	5/15/1989	9/15/1996
<b>RFI/CMS:</b>	9/15/1996	6/15/1999
<b>DES:</b>	6/15/1998	7/15/2001
<b>IRA:</b>	2/15/1988	2/15/1988
<b>CMI(C):</b>	8/15/2001	9/15/2003
<b>CMI(O):</b>	--	--
<b>LTM:</b>	9/16/2003	9/30/2054

**Site Narrative:** DPG-036, also known as the Imhoff Tank System, is located immediately west of the Ditto Technical Center. This site consisted of a deactivated Imhoff Tank, a sludge drying bed, an influent sump and pumphouse, and two unlined effluent ditches. DPG-036 was the primary wastewater treatment facility for Avery and Ditto areas from 1944 to 1990, when it was replaced by a new sewage treatment facility. The new sewage treatment facility is located immediately west of the DPG-036 sludge drying bed and is still in service. Contaminated soil/waste has been removed from this site and all soil remediation was completed. Response complete (RC) was achieved in 2003 for soils. Groundwater is part of the Ditto Groundwater Management Area. Contaminants of concern are listed in detail in the administrative record of this site.

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit and biannual reports will continue along with groundwater management area periodic reviews. Sampling is performed every five years in accordance with the post-closure requirements for this site. Groundwater monitoring data is reviewed accordingly, and the outcome determines future action in the LTM program. Outcome of recent groundwater management area periodic review was for continued indefinite monitoring.

## 49295.1035\_DPG-037\_LANDFILL, WEST OF DITTO TEC CENT

**Env Site ID:** DPG-037

**Cleanup Site:** LANDFILL, WEST OF DITTO TEC CENT

**Alias:** DPG-037

**Regulatory Driver:** RCRA-C

**RIP Date:** 4/15/2006

**RC Date:** 4/15/2006

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	1/15/1986	2/15/1988
<b>CS:</b>	5/15/1989	9/15/1996
<b>RFI/CMS:</b>	9/15/1996	7/15/2001
<b>DES:</b>	6/30/1998	8/31/2001
<b>IRA:</b>	10/15/1996	12/15/1996
<b>CMI(C):</b>	9/15/2001	4/15/2006
<b>CMI(O):</b>	--	--
<b>LTM:</b>	4/16/2006	9/30/2054

**Site Narrative:** DPG-037 is an inactive landfill located about 1,400-ft southwest of the DTC. DPG-037 is approximately 19-acres. The site originally consisted of numerous soil mounds and depressions as well as several piles of ash and asphalt. Other waste and debris cleaned from DPG-037 included 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. DPG-037 was combined with two small SWMUs - 87 (landfill) and 89 (waste pile). SWMU-87 consists of a single backfilled trench (500 by 30-ft) and has been backfilled to approximately 2.5 ft above grade with a mixture of soil and debris. Metals, semi-volatile organic compounds (SVOCs), and diisopropylmethylphosphonate (DIMP) were detected in the soil during Phase I investigations. SWMU-89 consists of a 200 by 75-ft pile of asphalt. Warning signs were placed at the site in 1996. Since then, groundwater monitoring has been conducted. Low levels of volatile organic compounds (VOCs) have been detected but do not appear to be migrating. Cone penetrometer and hydro-punch groundwater investigation work was performed in FY01. Soil and landfill gas investigation work was performed in FY02. Due to site wastes sitting in extremely shallow groundwater, and the overriding safety concern due to potential buried munitions, DPG obtained a variance from the UDEQ for a non-engineered cover. Contaminants of concern are listed in detail in the administrative record of this site. The consent order sites were approved as closed in September 2008 and LTM started in September 2009.

Cleanup/Exit Strategy - Annual inspections under the RCRA Part B permit and biannual reports will continue indefinitely. Cover maintenance is required in accordance with the post-closure requirements as outlined in the Part B Permit.

## 49295.1036\_DPG-038\_DECON PAD, SOUTH OF DITTO TECH C

**Env Site ID:** DPG-038

**Cleanup Site:** DECON PAD, SOUTH OF DITTO TECH C

**Alias:** DPG-038

**Regulatory Driver:** RCRA-C

**RIP Date:** 3/15/2005

**RC Date:** 3/15/2005

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	1/15/1986	2/15/1988
<b>CS:</b>	5/15/1989	9/15/1996
<b>RFI/CMS:</b>	9/15/1996	8/15/2002
<b>DES:</b>	4/15/2003	10/15/2003
<b>IRA:</b>	2/15/1988	2/15/1988
<b>CMI(C):</b>	10/15/2003	3/15/2005
<b>CMI(O):</b>	10/15/2003	3/15/2005
<b>LTM:</b>	3/16/2005	9/30/2054

**Site Narrative:** DPG-38 also known as the Ditto Decontamination Pad is located on Fourth Avenue immediately south of DTC. DPG-038 was constructed in and implemented as a test decontamination facility but is no longer in use. According to DPG personnel, the pad was mainly used to test the effectiveness of decontamination procedures on various equipment using agent simulants (methyl salicylate or diethyl malonate). The unit was also used to clean or rinse drums and for temporary storage of hazardous waste. The concrete decontamination pad is approximately 104-ft long by 74-ft wide and is 8-ft above grade. The pad was sloped to direct decontamination wastes towards collection troughs that run along the south side of the decontamination pad. During decontamination operations canvas curtains were used to enclose the pad and reduce overspray. A ditch is located approximately 250-ft south of the decontamination pad, which trends east to west and is approximately 350-ft long. In the past, the ditch appeared to have been excavated by scrapers and may be the borrow source used to construct the decontamination pad. Based on industrial risk-based concentrations, NFA is required for soils. Groundwater is part of the Ditto Groundwater Management Area.

**Cleanup/Exit Strategy -** Annual inspections under the RCRA Part B permit and biannual reports will continue, along with groundwater management area periodic reviews. Sampling is performed every five years in accordance with the post-closure requirements for this site. Groundwater monitoring data is reviewed correspondingly, and the outcome determines future action in the LTM program. Outcome of recent groundwater management area periodic review was for continued indefinite monitoring.

## 49295.1037\_DPG-039\_LANDFILL NORTH OF AVERY

**Env Site ID:** DPG-039

**Cleanup Site:** LANDFILL NORTH OF AVERY

**Alias:** DPG-039

**Regulatory Driver:** RCRA-C

**RIP Date:** 9/15/2007

**RC Date:** 9/15/2007

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
RFA:	1/15/1986	2/15/1988
CS:	5/15/1989	9/15/1996
RFI/CMS:	9/15/1996	7/15/2003
DES:	11/15/2002	4/15/2007
IRA:	5/15/1992	5/15/1992
CMI(C):	2/15/2007	9/15/2007
CMI(O):	--	--
LTM:	9/16/2007	9/30/2054

**Site Narrative:** DPG-039 is an inactive landfill (4-acres) located approximately 2,300-ft northeast of the Avery area. 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-ft and can be accessed from unimproved roadways. The prior disposal area which consisted of several unlined trenches excavated in native soil. Reportedly, hazardous materials were disposed of at the landfill from sometime in the 1950s to 1985. An IRA of waste removal occurred in 1992. The final design for the cap was modified in February 2006 and implemented in 2007. LTM began in September 2009 based on 40 CFR 265.120 specifying an indefinite period of maintenance. Contaminants of concern are listed in detail in the administrative record of this site.

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit and biannual reports will continue indefinitely. Cover maintenance is required in accordance with the post-closure requirements as outlined in the Part B permit.



## 49295.1041\_DPG-043\_OLD LANDFILL FOR ENGLISH VILLAGE

**Env Site ID:** DPG-043

**Cleanup Site:** OLD LANDFILL FOR ENGLISH VILLAGE

**Alias:** DPG-043

**Regulatory Driver:** RCRA-C

**RIP Date:** 8/15/2004

**RC Date:** 8/15/2004

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	1/31/1986	2/29/1988
<b>CS:</b>	5/15/1989	9/15/1996
<b>RFI/CMS:</b>	9/15/1996	9/15/2003
<b>DES:</b>	8/15/1998	9/15/2003
<b>IRA:</b>	5/15/1992	5/15/1992
<b>CMI(C):</b>	9/15/2001	8/15/2004
<b>CMI(O):</b>	--	--
<b>LTM:</b>	8/16/2004	9/30/2054

**Site Narrative:** 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 in the general proximity to the DPG active drinking water wells. The deep potable aquifer is not in communication with shallow groundwater in the area and is continuously monitored for purity. 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. Due to the nature of services and testing at Ditto facilities, hazardous wastes may have been disposed of here. 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. The DPG-042 debris was consolidated into a new trench and with the rest of the existing site trenches, the entirety was capped in the winter 2004. The consent order sites were approved as closed in September 2008 and LTM started in September 2009. Groundwater is part of the English Village Groundwater Management Area. Contaminants of concern are listed in detail in the administrative record of this site.

**Cleanup/Exit Strategy -** Annual inspections under the RCRA part B permit and biannual reports will continue indefinitely along with groundwater management area periodic reviews. Sampling is performed every five years in accordance with the post-closure requirements for this site. Groundwater monitoring data is reviewed accordingly, and the outcome determines future action in the LTM program. Outcome of recent groundwater management area periodic review was for continued monitoring.

## 49295.1042\_DPG-044\_OLD STP FOR ENGLISH VILLAGE

**Env Site ID:** DPG-044

**Cleanup Site:** OLD STP FOR ENGLISH VILLAGE

**Alias:** DPG-044/68

**Regulatory Driver:** RCRA-C

**RIP Date:** 12/15/2005

**RC Date:** 12/15/2005

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
RFA:	7/15/1991	11/15/1991
CS:	10/15/1992	10/15/1996
RFI/CMS:	10/15/1996	12/15/2005
DES:	--	--
IRA:	--	--
CMI(C):	--	--
CMI(O):	--	--
LTM:	12/15/2005	9/30/2054

**Site Narrative:** 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). These two SWMUs were combined 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. This site is NFA. Groundwater is part of the English Village Groundwater Management Area. Cleanup efforts made during the investigation phase resulted in the progression from RFI/CMS to LTM without use of the CMIC phase. Contaminants of concern are listed in detail in the administrative record of this site.

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit and biannual reports will continue indefinitely along with groundwater management area periodic reviews. Sampling is performed every five years in accordance with the post-closure requirements for this site. Groundwater monitoring data is reviewed accordingly, and the outcome determines future action in the LTM program. Outcome of recent groundwater management area periodic review was for continued monitoring.

## 49295.1050\_DPG-052\_WASTE BURIAL SITES (EAST SE OF C

**Env Site ID:** DPG-052

**Cleanup Site:** WASTE BURIAL SITES (EAST SE OF C

**Alias:** DPG-052

**Regulatory Driver:** RCRA-C

**RIP Date:** 9/15/2007

**RC Date:** 9/15/2007

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	7/15/1991	11/15/1991
<b>CS:</b>	10/15/1992	10/15/1996
<b>RFI/CMS:</b>	10/15/1996	3/15/2006
<b>DES:</b>	3/15/2006	7/15/2006
<b>IRA:</b>	5/15/1993	10/15/1993
<b>CMI(C):</b>	8/15/2006	9/15/2007
<b>CMI(O):</b>	--	--
<b>LTM:</b>	9/16/2007	9/30/2054

**Site Narrative:** This burial site in the Carr area covers two acres and was active during the 1940s. The disposal area included seven backfilled trenches, several soil mounds, a former German bomb storage area, and munitions debris. In 1993, 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 DRMO, 25-tons of munitions debris and empty bombs were disposed as FY99 waste at the Grassy Mountain facility, and the remaining 4-tons of non-hazardous debris were taken to the DPG landfill. During the Phase II RFI, HE and ABPs were detected in the soil. TCE was detected in the groundwater. Groundwater is part of the Carr Groundwater Management Area. CAP inspection and maintenance is continuing during LTM. The last site in the CAP, 49295.1193 (DPG-204), was closed in 2012; therefore, the CAP was complete the same year, making LTM begin. CAP sites in 2013 based on the UDEQ DSHW approval letter for 49295.1193 (DPG-204). Contaminants of concern are listed in detail in the administrative record of this site.

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit cover maintenance and biannual reports will continue indefinitely along with groundwater management area periodic reviews. Sampling is performed every five years in accordance with the post-closure requirements for this site. Groundwater monitoring data is reviewed accordingly, and the outcome determines future action in the LTM program. Outcome of recent groundwater management area periodic review was for continued monitoring.

## 49295.1052\_DPG-054\_DISPOSAL AREA(S), EAST OF CARR F

**Env Site ID:** DPG-054

**Cleanup Site:** DISPOSAL AREA(S), EAST OF CARR F

**Alias:** DPG-054

**Regulatory Driver:** RCRA-C

**RIP Date:** 9/15/2007

**RC Date:** 9/15/2007

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	7/15/1991	11/15/1991
<b>CS:</b>	10/15/1992	10/15/1996
<b>RFI/CMS:</b>	10/15/1996	9/15/2003
<b>DES:</b>	2/15/2006	7/15/2006
<b>IRA:</b>	--	--
<b>CMI(C):</b>	7/15/2006	9/15/2007
<b>CMI(O):</b>	--	--
<b>LTM:</b>	9/16/2007	9/30/2054

**Site Narrative:** DPG-054 is approximately 9.5-acres and is in the Carr area. It was active from the 1960s to 1970s. The disposal area consisted of three unlined backfilled trenches reported to contain chemical agent-contaminated materials, including munitions. Phase I activities were deferred upon discovery of unexpended ordnance (UXO) scattered on the surface. During Phase II, RFI angle borings were used as an investigative tool. The surface and subsurface soil met clean closure requirements. The Phase II RFI report was approved in October 2003. Approximately one acre of the site was capped in 2007. Groundwater is part of the Carr Groundwater Management Area. The last site in the CAP, 49295.1193 (DPG-204), was closed in 2012; therefore, the CAP was complete the same year making LTM begin for CAP sites in 2013 as stated in the UDEQ DSHW approval letter for 49295.1193 (DPG-204). Contaminants of concern are listed in detail in the administrative record of this site.

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit and biannual reports will continue indefinitely. Cover maintenance is required in accordance with the post closure requirements as outlined in the Part B permit.

## 49295.1053\_DPG-055\_3X DISPOSAL SITE, E OF CARR FACI

**Env Site ID:** DPG-055

**Cleanup Site:** 3X DISPOSAL SITE, E OF CARR FACI

**Alias:** DPG-055

**Regulatory Driver:** RCRA-C

**RIP Date:** 9/15/2007

**RC Date:** 9/15/2007

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	1/15/1986	2/15/1988
<b>CS:</b>	5/15/1989	9/15/1996
<b>RFI/CMS:</b>	9/15/1996	2/15/2006
<b>DES:</b>	1/15/2007	5/15/2007
<b>IRA:</b>	--	--
<b>CMI(C):</b>	3/15/2007	9/15/2007
<b>CMI(O):</b>	--	--
<b>LTM:</b>	9/16/2007	9/30/2054

**Site Narrative:** Hazardous Waste Management Unit (HWMU) -55 is an inactive landfill located approximately one mile southeast of the Carr Facility. The unit is located approximately 1,800-ft southeast of the Carr Facility's Open Burning (OB) Area (HWMU-90) and approximately 3,000-ft 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-ft to the north that runs through HWMU-90. The HWMU consists of two parallel trenches each with approximate surface dimensions of 400 by 70-ft. The trenches are oriented in a north-south direction and are spaced approximately 75-ft apart. HWMU-55 encompasses a total area of approximately 600 by 400- feet. Access to HWMU-55 is limited to a single dirt road originating in the Carr Facility. Capping with waste in place exists at this site. Groundwater is part of the Carr Groundwater Management Area. The post-closure plan and consent order sites were approved in September 2008 with LTM starting in September 2009. Contaminants of concern are listed in detail in the administrative record of this site.

Cleanup/Exit Strategy – Annual inspections under the RCRA part B permit cover maintenance and biannual reports will continue indefinitely along with groundwater management area periodic reviews. Sampling is performed every five years in accordance with the post-closure requirements for this site. Groundwater monitoring data is reviewed accordingly, and the outcome determines future action in the LTM program. Outcome of the recent groundwater management area periodic review was for continued monitoring.

## 49295.1054\_DPG-056\_STORAGE SITE, E OF CARR FACILITY

**Env Site ID:** DPG-056

**Cleanup Site:** STORAGE SITE, E OF CARR FACILITY

**Alias:** DPG-056

**Regulatory Driver:** RCRA-C

**RIP Date:** 9/15/2007

**RC Date:** 9/15/2007

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	7/15/1991	11/15/1991
<b>CS:</b>	10/15/1992	10/15/1996
<b>RFI/CMS:</b>	10/15/1996	10/15/2005
<b>DES:</b>	2/15/2006	7/15/2006
<b>IRA:</b>	--	--
<b>CMI(C):</b>	8/15/2006	9/15/2007
<b>CMI(O):</b>	--	--
<b>LTM:</b>	9/16/2007	9/30/2054

**Site Narrative:** This 10.4-acre site of waste piles and is located in the Carr area 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 consisting of 105-mm shell casings, propellant charge cans, and lids were taken to 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 Resource Conservation and Recovery Act Facility Assessment (RFA) and was 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. Groundwater is part of the Carr Groundwater Management Area. The last site in the CAP, 49295.1193 (DPG-204), was closed in 2012; therefore, the CAP was complete the same year making LTM begin for CAP sites in 2013 as stated in the UDEQ DSHW approval letter for 49295.1193 (DPG-204). Contaminants of concern are listed in detail in the administrative record of this site.

Cleanup/Exit Strategy – Annual inspections under the RCRA part B permit cover maintenance and biannual reports will continue indefinitely along with groundwater management area periodic reviews. Sampling is performed every five years in accordance with the post-closure requirements for this site. Groundwater monitoring data is reviewed accordingly, and the outcome determines future action in the LTM program. Outcome of recent groundwater management area periodic review was for continued monitoring.

## 49295.1055\_DPG-058\_EVAPORATION POND @ CARR FACILITY

**Env Site ID:** DPG-058

**Cleanup Site:** EVAPORATION POND @ CARR FACILITY

**Alias:** DPG-058

**Regulatory Driver:** RCRA-C

**RIP Date:** 9/15/2007

**RC Date:** 9/15/2007

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	1/15/1986	2/15/1988
<b>CS:</b>	11/15/1991	9/15/1996
<b>RFI/CMS:</b>	9/15/1996	3/15/2006
<b>DES:</b>	10/15/2006	5/15/2007
<b>IRA:</b>	2/15/1988	3/15/2001
<b>CMI(C):</b>	8/15/2006	9/15/2007
<b>CMI(O):</b>	--	--
<b>LTM:</b>	9/16/2007	9/30/2054

**Site Narrative:** 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 (top of each side) by 120 (bottom of each side) by 6-ft 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. Remediation included bringing the pond level up to surface grade. Groundwater is part of the Carr Groundwater Management Area. The consent order sites were approved as closed in September 2008 and LTM started in September 2009. Contaminants of concern are listed in detail in the administrative record of this site.

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit cover maintenance and biannual reports will continue indefinitely along with groundwater management area periodic reviews. Sampling is performed every five years in accordance with the post-closure requirements for this site. Groundwater monitoring data is reviewed accordingly, and the outcome determines future action in the LTM program. Outcome of recent groundwater management area periodic review was for continued monitoring.

## 49295.1058\_DPG-061\_CONTAMINATED SOIL @NEW CARR FACI

**Env Site ID:** DPG-061

**Cleanup Site:** CONTAMINATED SOIL @NEW CARR FACI

**Alias:** DPG-061

**Regulatory Driver:** RCRA-C

**RIP Date:** 6/15/2009

**RC Date:** 6/15/2009

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	7/15/1991	11/15/1991
<b>CS:</b>	10/15/1992	10/15/1996
<b>RFI/CMS:</b>	10/15/1996	6/15/2009
<b>DES:</b>	--	--
<b>IRA:</b>	--	--
<b>CMI(C):</b>	--	--
<b>CMI(O):</b>	--	--
<b>LTM:</b>	6/16/2009	9/30/2054

**Site Narrative:** This 1.1-acre former drain field 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 Hazardous Drug (HD)-contaminated soil was excavated and moved to Pad 7 (DPG-059). Ultimately, the soil was disposed of at the Grassy Mountain Facility. Red dirt stored at DPG-059 was generated here. During Phase II, a large plume of TCE (seven parts per million (ppm)) was discovered in the groundwater. The plume appeared to be migrating cross-gradient. Additional groundwater investigation work was completed in December 2001 to better define the extent of groundwater contamination. Groundwater is part of the Carr Groundwater Management Area and this site LTM phase. Contaminants of concern are listed in detail in the administrative record of this site.

Cleanup/Exit Strategy – Annual inspections under the RCRA part B permit and biannual reports will continue indefinitely along with groundwater management area periodic reviews. Sampling is performed every five years in accordance with the post-closure requirements for this site. Groundwater monitoring data is reviewed accordingly, and the outcome determines future action in the LTM program. Outcome of recent groundwater management area periodic review was for continued monitoring.



## 49295.1075\_DPG-079\_WASTE PILE (SW OF LITTLE GRANITE)

**Env Site ID:** DPG-079

**Cleanup Site:** WASTE PILE (SW OF LITTLE GRANITE)

**Alias:** DPG-079

**Regulatory Driver:** RCRA-C

**RIP Date:** 9/15/2007

**RC Date:** 9/15/2007

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	7/15/1991	11/15/1991
<b>CS:</b>	10/15/1992	10/15/1996
<b>RFI/CMS:</b>	10/15/1996	6/15/2006
<b>DES:</b>	6/15/2006	5/15/2007
<b>IRA:</b>	--	--
<b>CMI(C):</b>	3/15/2007	9/15/2007
<b>CMI(O):</b>	--	--
<b>LTM:</b>	9/16/2007	9/30/2054

**Site Narrative:** 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 waste 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. Groundwater is part of the Carr Groundwater Management Area. The last site in the CAP, 49295.1193 (DPG-204), was closed in 2012; therefore, the CAP was complete the same year making LTM begin for CAP sites as stated in the UDEQ DSHW approval letter for 49295.1193 (DPG-204). contaminants of concern are listed in detail in the administrative record of this site.

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit cover maintenance and biannual reports will continue indefinitely along with groundwater management area periodic reviews. Sampling is performed every five years in accordance with the post-closure requirements for this site. Groundwater monitoring data is reviewed accordingly, and the outcome determines future action in the LTM program. Outcome of recent groundwater management area periodic review was for continued monitoring.

## 49295.1083\_DPG-090\_BURNING AREA, EAST OF CARR FAC(E

**Env Site ID:** DPG-090

**Cleanup Site:** BURNING AREA, EAST OF CARR FAC(E

**Alias:** DPG-090

**Regulatory Driver:** RCRA-C

**RIP Date:** 8/15/2006

**RC Date:** 8/15/2006

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	7/15/1991	11/15/1991
<b>CS:</b>	7/15/1991	9/15/1996
<b>RFI/CMS:</b>	9/15/1996	7/15/2003
<b>DES:</b>	6/15/2005	10/15/2005
<b>IRA:</b>	5/15/1992	5/15/1992
<b>CMI(C):</b>	5/15/2005	8/15/2006
<b>CMI(O):</b>	--	--
<b>LTM:</b>	8/16/2006	9/30/2054

**Site Narrative:** DPG-090 is composed of three elongated mounds within an oval-shaped area approximately 800 by 400-ft. 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 ordnance propellants, decontamination solutions, illumination rounds, scrap metal, miscellaneous decontamination level (3X – level of certification standard), and debris collected during range clearance activities. Materials were burned upon placement in pits. In 1994, scattered surface debris was hauled to a roll-off bin at DPG-194 and then disposed off-site. No open detonation (OD) 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. Groundwater is part of the Carr Groundwater Management Area. Contaminants of concern are listed in detail in the administrative record of this site. The consent order sites were approved as closed in September 2008 and LTM started in September 2009.

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit and biannual reports will continue indefinitely. Cover maintenance is required in accordance with the post-closure requirements as outlined in the Part B permit.

## 49295.1090\_DPG-097\_DRAINFIELD & DECONTAMINATION PAD

**Env Site ID:** DPG-097

**Cleanup Site:** DRAINFIELD & DECONTAMINATION PAD

**Alias:** DPG-097

**Regulatory Driver:** RCRA-C

**RIP Date:** 9/15/2007

**RC Date:** 9/15/2007

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	7/15/1991	11/15/1991
<b>CS:</b>	10/15/1992	10/15/1996
<b>RFI/CMS:</b>	10/15/1996	9/15/2007
<b>DES:</b>	--	--
<b>IRA:</b>	--	--
<b>CMI(C):</b>	--	--
<b>CMI(O):</b>	--	--
<b>LTM:</b>	9/15/2007	9/30/2054

**Site Narrative:** 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. Groundwater is part of the Ditto Groundwater Management Area. Contaminants of concern are listed in detail in the administrative record of this site.

Cleanup/Exit Strategy – Annual inspections under the RCRA part B permit and biannual reports will continue indefinitely along with groundwater management area five-year reviews. Sampling is performed every five years in accordance with the post-closure requirements for this site. Groundwater monitoring data is reviewed accordingly, and the outcome determines future action in the LTM program. Outcome of recent groundwater management area periodic review was for continued monitoring.

## 49295.1118\_DPG-128\_PESTICIDE STORAGE BLDG, ENGLISH

**Env Site ID:** DPG-128

**Cleanup Site:** PESTICIDE STORAGE BLDG, ENGLISH

**Alias:** DPG-128

**Regulatory Driver:** RCRA-C

**RIP Date:** 7/15/2004

**RC Date:** 7/15/2004

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
RFA:	1/15/1986	2/15/1988
CS:	5/15/1989	9/15/1996
RFI/CMS:	9/15/1996	9/15/2002
DES:	8/15/1998	9/15/2002
IRA:	2/15/1988	3/15/2001
CMI(C):	6/15/2002	7/15/2004
CMI(O):	--	--
LTM:	7/16/2004	9/30/2054

**Site Narrative:** DPG-128 known as the Pesticide Storage Building 5658 Septic Tank and Drainfield, 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 above ground petroleum oil and lubricants (POL) tanks (SWMU 69) and is approximately 2,300-ft southwest of the English Village Steam Cleaning Area. Contaminants of concern are listed in detail in the administrative record of this site.

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit and biannual reports will continue indefinitely.

## 49295.1122\_DPG-133\_HWHA-3 (AIRCRAFT MAINT-SHOP WAST

**Env Site ID:** DPG-133

**Cleanup Site:** HWHA-3 (AIRCRAFT MAINT-SHOP WAST

**Alias:** DPG-133

**Regulatory Driver:** RCRA-C

**RIP Date:** 9/15/2007

**RC Date:** 9/15/2007

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	7/15/1991	11/15/1991
<b>CS:</b>	10/15/1992	10/15/1996
<b>RFI/CMS:</b>	10/15/1996	9/15/2007
<b>DES:</b>	--	--
<b>IRA:</b>	--	--
<b>CMI(C):</b>	--	--
<b>CMI(O):</b>	--	--
<b>LTM:</b>	9/16/2007	9/30/2054

**Site Narrative:** 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 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. Groundwater is part of the Ditto Groundwater Management Area. Contaminants of concern are listed in detail in the administrative record of this site.

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit and biannual reports will continue indefinitely along with groundwater management area periodic reviews. Sampling is performed every five years in accordance with the post-closure requirements for this site. Groundwater monitoring data is reviewed accordingly, and the outcome determines action in future action in the LTM program. Outcome of recent groundwater management area periodic review was for continued monitoring.

## 49295.1181\_DPG-192\_DISPOSAL PITS - 63 PITS W GRANIT

**Env Site ID:** DPG-192

**Cleanup Site:** DISPOSAL PITS - 63 PITS W GRANIT

**Alias:** DPG-192

**Regulatory Driver:** RCRA-C

**RIP Date:** 12/15/2011

**RC Date:** 12/15/2011

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	7/15/1992	7/15/1993
<b>CS:</b>	7/15/1993	10/15/1996
<b>RFI/CMS:</b>	10/15/1996	4/15/2009
<b>DES:</b>	3/15/2008	6/15/2009
<b>IRA:</b>	--	--
<b>CMI(C):</b>	3/15/2008	12/15/2011
<b>CMI(O):</b>	--	--
<b>LTM:</b>	12/16/2011	9/30/2054

**Site Narrative:** 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 DPG prior to the 1969 ban. Two containers suitable for transport were used for this purpose. The site was also used during the demilitarization of 36000 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. Phase II RFI was completed June 2009. The last site in the CAP, 49295.1193 (DPG-204), was closed in 2012; therefore, the CAP was complete the same year making LTM begin for CAP sites in 2013 as stated in the UDEQ DSHW approval letter for 49295.1193 (DPG-204). Contaminants of concern are listed in detail in the administrative record of this site.

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit and biannual reports will continue indefinitely. Cover maintenance is required in accordance with the post-closure requirements as outlined in the Part B permit.

## 49295.1183\_DPG-194\_BURIAL SITE, EAST OF CARR

**Env Site ID:** DPG-194

**Cleanup Site:** BURIAL SITE, EAST OF CARR

**Alias:** DPG-194

**Regulatory Driver:** RCRA-C

**RIP Date:** 9/15/2007

**RC Date:** 9/15/2007

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	7/15/1993	10/15/1994
<b>CS:</b>	7/15/1993	10/15/1996
<b>RFI/CMS:</b>	10/15/1996	12/15/2004
<b>DES:</b>	2/15/2006	7/15/2006
<b>IRA:</b>	--	--
<b>CMI(C):</b>	8/15/2006	9/15/2007
<b>CMI(O):</b>	--	--
<b>LTM:</b>	9/16/2007	9/30/2054

**Site Narrative:** 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-ft 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. Soil cover of the three separate areas containing nine trenches was completed in 2007. Contaminants of concern are listed in detail in the administrative record of this site. The last site in the CAP, 49295.1193 (DPG-204), was closed in 2012; therefore, the CAP was complete the same year making LTM begin for CAP sites in 2013 as stated in the UDEQ DSHW approval letter for 49295.1193 (DPG-204).

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit and biannual reports will continue indefinitely. Cover maintenance is required in accordance with the post-closure requirements as outlined in the Part B permit.

## 49295.1186\_DPG-197\_DISP. PIT,TARGET SITE, DWND GRID

**Env Site ID:** DPG-197

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

**Alias:** DPG-197

**Regulatory Driver:** RCRA-C

**RIP Date:** 4/15/2008

**RC Date:** 4/15/2008

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	7/15/1993	4/15/1994
<b>CS:</b>	7/15/1993	10/15/1996
<b>RFI/CMS:</b>	10/15/1996	4/15/2006
<b>DES:</b>	10/15/2006	5/15/2007
<b>IRA:</b>	--	--
<b>CMI(C):</b>	7/15/2007	4/15/2008
<b>CMI(O):</b>	--	--
<b>LTM:</b>	4/16/2008	9/30/2054

**Site Narrative:** This 0.5-acre site is located in the Downwind Grid Area; the active dates are unknown. The site consists of a backfilled trench (100 by 7-ft) and a rectangular pad (100 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 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. Restoration is complete and included capping of the trench, removal of debris, and maintenance of cap to ensure no exposure to buried waste. Groundwater is part of the Downrange Groundwater Management Area which is included in the permit under condition VII.Q. Contaminants of concern are listed in detail in the administrative record of this site. The last site in CAP, 49295.1193 (DPG-204), was closed in 2012; therefore, the CAP was complete the same year making LTM begin for CAP sites in 2013 as stated in the UDEQ DSHW approval letter for 49295.1193 (DPG-204).

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit cover maintenance and biannual reports will continue indefinitely along with groundwater management area FYRs. Sampling is performed every five years in accordance with the post-closure requirements for this site. Groundwater monitoring data is reviewed accordingly, and the outcome determines future action in the LTM program. Outcome of groundwater management area periodic review was for continued monitoring.



## 49295.1188\_DPG-199\_OLD OB/OD EAST OF SWMU17

**Env Site ID:** DPG-199

**Cleanup Site:** OLD OB/OD EAST OF SWMU17

**Alias:** DPG-199

**Regulatory Driver:** RCRA-C

**RIP Date:** 9/15/2007

**RC Date:** 9/15/2007

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
RFA:	7/15/1993	10/15/1994
CS:	7/15/1993	10/15/1996
RFI/CMS:	10/15/1996	10/15/2006
DES:	10/15/2006	5/15/2007
IRA:	6/15/1996	6/15/1998
CMI(C):	8/15/2006	9/15/2007
CMI(O):	--	--
LTM:	9/16/2007	9/30/2054

**Site Narrative:** Remediation included UXO surface removal pit and pond backfill rerouting of surface drainage removal of surface Trinitrotoluene (TNT) contamination and capping of one landfill area. This task can be accomplished in-house utilizing DPG Weapons Branch personnel. Changed to zero-cost site in FY17. Contaminants of concern are listed in detail in the administrative record of this site.

Cleanup/Exit Strategy – Annual inspections under the RCRA part B permit and biannual reports will continue indefinitely along with munitions and explosives of concern (MEC) inspections every five years.

## 49295.1189\_DPG-200\_BURIAL SITE, SOUTHEAST OF CARR

**Env Site ID:** DPG-200

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

**Alias:** DPG-200

**Regulatory Driver:** RCRA-C

**RIP Date:** 9/15/2007

**RC Date:** 9/15/2007

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	7/15/1993	12/15/1995
<b>CS:</b>	7/15/1993	10/15/1996
<b>RFI/CMS:</b>	10/15/1996	11/15/2004
<b>DES:</b>	2/15/2006	7/15/2006
<b>IRA:</b>	--	--
<b>CMI(C):</b>	8/15/2006	9/15/2007
<b>CMI(O):</b>	--	--
<b>LTM:</b>	9/16/2007	9/30/2054

**Site Narrative:** 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 by 20-ft), 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 waste has not been sampled due to UXO concerns. Phase II RFI was approved in October 2003. The draft final CMS was submitted to UDEQ DSHW in July 2003. A GCL cover was constructed in FY06. The last site in the CAP, 49295.1193 (DPG-204), was closed in 2012; therefore, the CAP was complete the same year making LTM begin for CAP sites in 2013 as stated in the UDEQ DSHW approval letter for 49295.1193 (DPG-204). Contaminants of concern are listed in detail in the administrative record of this site.

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit and biannual reports will continue indefinitely. Cover maintenance is required in accordance with the post-closure requirements as outlined in the Part B permit.

## 49295.1190\_DPG-201\_CAMEL'S BACK CAVE

**Env Site ID:** DPG-201

**Cleanup Site:** CAMEL'S BACK CAVE

**Alias:** DPG-201

**Regulatory Driver:** RCRA-C

**RIP Date:** 9/15/2007

**RC Date:** 9/15/2007

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
RFA:	7/15/1993	8/15/1993
CS:	7/15/1993	10/15/1996
RFI/CMS:	10/15/1996	9/15/2007
DES:	--	--
IRA:	4/15/2006	8/15/2006
CMI(C):	--	--
CMI(O):	--	--
LTM:	9/16/2007	9/30/2054

**Site Narrative:** 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 HE was identified during Phase II RFI. The opening of the cave was fenced during the summer of 2006. Contaminants of concern are listed in detail in the administrative record of this site.

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit and biannual reports will continue indefinitely with the possibility of future fencing repair.

## 49295.1193\_DPG-204\_LEWISITE AREA, SIMPSON BUTTES

**Env Site ID:** DPG-204

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

**Alias:** DPG-204

**Regulatory Driver:** RCRA-C

**RIP Date:** 12/15/2011

**RC Date:** 12/15/2011

**RC Reason:** Other

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	11/15/1995	1/15/1997
<b>CS:</b>	4/15/1997	9/15/1997
<b>RFI/CMS:</b>	1/15/1997	2/15/2009
<b>DES:</b>	4/15/2008	6/15/2009
<b>IRA:</b>	9/15/1996	12/15/2009
<b>CMI(C):</b>	4/15/2008	12/15/2011
<b>CMI(O):</b>	--	--
<b>LTM:</b>	12/16/2011	9/30/2054

**Site Narrative:** 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 the Carr Area for storage. HD and ABPs were detected in the soil. Soil samples taken in 1994 indicated the presence of chemical agents. MECs and debris are present at the site. Remediation included covering waste in place. Surface MEC was consolidated under the installed cover which was completed in December 2011. Phase II RFI was completed in July 2012. Based on a UDEQ DSHW agreement, an area on the west end of the cap needed 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. The last site in the CAP, 49295.1193 (DPG-204), was closed in 2012; therefore, the CAP was complete the same year making LTM begin for CAP sites in 2013 as stated in the UDEQ DSHW approval letter for 49295.1193 (DPG-204). Contaminants of concern are listed in detail in the administrative record of this site.

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit and biannual reports will continue indefinitely. Cover maintenance is required in accordance with the post-closure requirements as outlined in the Part B permit.

## 49295.1196\_DPG-207\_DISPOSAL TRENCHES AND MOUNDS, CA

**Env Site ID:** DPG-207

**Cleanup Site:** DISPOSAL TRENCHES AND MOUNDS, CA

**Alias:** DPG-207

**Regulatory Driver:** RCRA-C

**RIP Date:** 9/15/2007

**RC Date:** 9/15/2007

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
<b>RFA:</b>	11/15/1996	1/15/1997
<b>CS:</b>	4/15/1997	9/15/1997
<b>RFI/CMS:</b>	1/15/1997	10/15/2005
<b>DES:</b>	2/15/2006	7/15/2006
<b>IRA:</b>	--	--
<b>CMI(C):</b>	8/15/2006	9/15/2007
<b>CMI(O):</b>	--	--
<b>LTM:</b>	9/16/2007	9/30/2054

**Site Narrative:** 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. Groundwater is included in the Carr Groundwater Management Area. There are ten trenches of uncharacterized waste. Additional delineation was completed in FY03. Corrective measures implementation (CMI) included soil cover and debris removal. \* P999 and F999 are listed waste codes used by UDEQ DSHW to describe agent-contaminated waste. The last site in the CAP49295.1193 (DPG-204) was closed in 2012; as such, the CAP was complete the same year making LTM begin for CAP sites in 2013 as stated in the UDEQ DSHW approval letter for 49295.1193 (DPG-204). Contaminants of concern are listed in detail in the administrative record of this site.

**Cleanup/Exit Strategy -** Annual inspections under the RCRA part B permit cover maintenance and biannual reports will continue indefinitely along with groundwater management area periodic reviews. Sampling is performed every five years in accordance with the post-closure requirements for this site. Groundwater monitoring data is reviewed accordingly, and the outcome determines future action in the LTM program. Outcome of recent groundwater management area periodic review was for continued monitoring.

## 49295.1202\_DPG-213\_BURIAL TRENCH, TARGET S

**Env Site ID:** DPG-213

**Cleanup Site:** BURIAL TRENCH, TARGET S

**Alias:** DPG-213

**Regulatory Driver:** RCRA-C

**RIP Date:** 4/15/2007

**RC Date:** 4/15/2007

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
RFA:	11/15/1996	1/15/1997
CS:	4/15/1997	9/15/1997
RFI/CMS:	1/15/1997	9/15/2004
DES:	2/15/2006	7/15/2006
IRA:	--	--
CMI(C):	8/15/2006	4/15/2007
CMI(O):	--	--
LTM:	4/16/2007	9/30/2054

**Site Narrative:** 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 by 40-ft 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. Cover maintenance LTM started in 2013. Contaminants of concern are listed in detail in the administrative record of this site.

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit and biannual reports will continue indefinitely. Cover maintenance is required in accordance with the post-closure requirements as outlined in the Part B permit.

## 49295.1204\_DPG-215\_PIGEON LOFT TRENCHES, DOWNWIND G

**Env Site ID:** DPG-215

**Cleanup Site:** PIGEON LOFT TRENCHES, DOWNWIND G

**Alias:** DPG-215

**Regulatory Driver:** RCRA-C

**RIP Date:** 4/15/2007

**RC Date:** 4/15/2007

**RC Reason:** All Required Cleanup(s) Completed

**SC Date:** 9/30/2054

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
RFA:	11/15/1996	1/15/1997
CS:	4/15/1997	9/15/1997
RFI/CMS:	1/15/1997	9/5/2004
DES:	2/15/2006	7/5/2006
IRA:	--	--
CMI(C):	8/15/2006	4/15/2007
CMI(O):	--	--
LTM:	4/16/2007	9/30/2054

**Site Narrative:** 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 by 40-ft lies perpendicular to the foundation. A second trench is located approximately 275-ft 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. A GCL soil cover was constructed in FY06. Site cover maintenance started in 2013. Contaminants of concern are listed in detail in the administrative record of this site.

Cleanup/Exit Strategy - Annual inspections under the RCRA part B permit and biannual reports will continue indefinitely. Cover maintenance is required in accordance with the post-closure requirements as outlined in the Part B permit.

## 49295.1209\_DPG-217\_PFAS

**Env Site ID:** DPG-217

**Cleanup Site:** PFAS

**Alias:** #

**Regulatory Driver:** CERCLA

**RIP Date:** 10/1/2029

**RC Date:** 10/1/2029

**RC Reason:** Not assigned

**SC Date:** 10/2/2029

**Program:** ENV Restoration, Army

**Subprogram:** IR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:**

**MRSPP:** N/A

Phase	Start	End
PA:	5/21/2018	3/14/2019
SI:	3/15/2020	9/30/2022
RI/FS:	10/1/2022	10/1/2029
RD:	--	--
IRA:	--	--
RA(C):	--	--
RA(O):	--	--
LTM:	--	--

**Site Narrative:** Per direction from Deputy Chief of Staff Installations (DCS G-9) site created to account for all Per- and Polyfluoroalkyl Substances (PFAS) costs at the installation. preliminary assessment (PA)/site inspection (SI) was completed in late FY22. Based on analytical data from that effort and revised EPA screening levels (2023) 22 AOPIs/8 sites have emerged that will require an RI on Dugway Proving Ground. The Remedial Investigation/Feasibility Study (RI/FS) will occur related to these sites in the future.



## 49295.1207\_DPG-001-R-01\_Southern Triangle Area

**Env Site ID:** DPG-001-R-01

**Cleanup Site:** Southern Triangle Area

**Alias:** #

**Regulatory Driver:** CERCLA

**RIP Date:** 9/30/2028

**RC Date:** 9/30/2028

**RC Reason:** Not assigned

**SC Date:** 9/30/2028

**Program:** ENV Restoration, Army

**Subprogram:** MR

**NPL Status:** No

**Hazardous Ranking Score:** 0

**RRSE:** N/A

**MRSPP:** 3

Phase	Start	End
PA:	3/15/2002	3/15/2003
SI:	5/15/2008	9/15/2010
RI/FS:	10/15/2010	9/30/2028
RD:	--	--
IRA:	--	--
RA(C):	--	--
RA(O):	--	--
LTM:	--	--

**Site Narrative:** A historical documents search was conducted to compile information associated with the use or disposal of chemical warfare materiel (CWM) within the Southern Triangle Joint Use Area (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 Department of Defense (DOD) control through a special land use permit with the Bureau of Land Management (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 has removed the Rising Sun Grid (640-acres) from active range inventory, and it is now included in Southern Triangle Area A. This area also includes SWMU-15 that was located within Rising Sun Grid. 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/munitions constituents (MC) is possible within the STJUA due to missed targets during

training exercises. The Military Munitions Response Program site inspection (MMRP-SI) was complete in 2010. The RI field effort started in FY15 and was stopped due to complexities. Area mapping efforts were completed providing a good understanding of MMRP anomalies.

Cleanup/Exit Strategy - Current effort involves defining scope. Finalization of the RI/FS and completion of an FS occurred in FY22. The expectation is that anomalies found will be investigated and destroyed or removed. The ultimate goal is site closeout with NFA.

## **SITE SUMMARY**

## SITE CLOSEOUT SUMMARY

CRL ID	Site Name	Site Closeout Date
49295.1001	DPG-001_SCRAP CONSTRUCTION MAT FILL FROM	8/31/2001
49295.1004	DPG-004_OLD BAKER LAB @ NORTH GRANITE PE	9/30/2010
49295.1005	DPG-005_CONTAMINATED MAT BURIAL SITE (V-	8/31/2000
49295.1007	DPG-007_BRINE VATS, WEST OF GRANITE PEAK	3/31/2003
49295.1008	DPG-008_BURIAL SITE WEST GRANITE PEAK	9/30/2006
49295.1009	DPG-009_STORAGE SITE 3X SCRAP MATERIAL	6/30/2012
49295.1010	DPG-010_LOW LEVEL RAD LANDFILL, WEST OF	1/31/2004
49295.1012	DPG-012_LOW LEVEL RAD LANDFILL, SE GRANI	8/31/1999
49295.1013	DPG-013_DECON PAD, JCT DOWNWIND W & LIMA	9/30/2001
49295.1015	DPG-015_RISING SUN TEST AREA	8/31/2009
49295.1016	DPG-016_DECON PAD, JCT EAST DOWNWIND & H	9/30/2005
49295.1018	DPG-018_DISPOSAL SITE @ SE TOWER GRID	9/30/2007
49295.1019	DPG-019_DISPOSAL SITE @ NE TOWER GRID	9/30/2007
49295.1020	DPG-020_LANDFILL NORTH OF CAMELBACK RIDG	9/30/1998
49295.1022	DPG-022_IGLOO SITE (SW TOWER GRID)	9/30/1999
49295.1023	DPG-023_WASTE BURIAL SITE ( TOWER GRID)	6/30/2007
49295.1024	DPG-025_DISPOSAL AREA JCT LIMA & STARKS	9/30/2007
49295.1025	DPG-027_PCB/POL STORAGE SITE(BLDGS 9450/	5/31/1994
49295.1026	DPG-028_SURFACE WASTE DISPOSAL SITE (H G	9/30/1999
49295.1027	DPG-029_SURFACE WASTE SITE BTWN S WIG MT	3/31/1998
49295.1028	DPG-030_FUEL TANK SITE @ WIG MOUNTAIN	2/28/1988
49295.1029	DPG-031_WASTE BURIAL SITE (NORTH WIG MOU	8/31/2009
49295.1030	DPG-032_DUMP SITE SW OF BAKER LABORATORY	9/30/2009
49295.1031	DPG-033_OLD SEWAGE LAGOON, NORTH OF BAKE	11/30/2002
49295.1032	DPG-034_BOILER BLOWDOWN POND BAKER AREA	9/30/2002
49295.1033	DPG-035_DRAINFIELD, NORTH OF BAKER LABOR	9/30/2010
49295.1038	DPG-040_FENCED STORAGE AREA @ AVERY FACI	12/31/2003
49295.1039	DPG-041_EVAPORATING POND @ AVERY FACILIT	7/30/2009
49295.1040	DPG-042_CONTRACTOR LANDFILL NEAR ENGLISH	1/31/2005
49295.1043	DPG-045_SUMP @ FAC ENGR AREA @ ENGLISH V	11/30/1995
49295.1044	DPG-046_SHOP SUMP @ MAINT AREA @ ENGLISH	9/30/2004
49295.1045	DPG-047_SEWAGE LAGOONS, SOUTH OF FRIES P	11/30/2003
49295.1046	DPG-048_3X STORAGE AREA @ FRIES PARK	9/30/2004
49295.1047	DPG-049_PCB STORAGE HUT (FRIES PARK)	11/30/1991
49295.1048	DPG-050_DISPOSAL AREA, NE CAMELBACK RIDG	9/30/1998
49295.1049	DPG-051_EVAPORATION POND NEAR DTC	9/30/2006
49295.1051	DPG-053_WASTE BURIAL SITES DURRAND ROAD	3/31/1998
49295.1056	DPG-059_PAD 7/3X STORAGE AREA @ CARR FAC	9/30/2003
49295.1057	DPG-060_CHEMICAL STORAGE AREA@ CARR FACI	4/30/2009
49295.1059	DPG-062_AMMO IGLOOS @ CARR FACILITY	3/31/1998
49295.1060	DPG-063_SEPTIC TANK/DRAINFIELD @ CARR FA	8/31/2002
49295.1061	DPG-064_WASTE BURIAL SITE (SE TOWER GRID	9/30/1999

CRL ID	Site Name	Site Closeout Date
49295.1062	DPG-065_LANDFILL (WHITE SAGE FLATS)	10/31/2004
49295.1063	DPG-066_DISPOSAL AREA NEAR HILL 5700	9/30/1999
49295.1064	DPG-067_LANDFILL (NORTH CEDAR MOUNTAIN)	11/30/1991
49295.1065	DPG-069_POL AST AREA @ ENGLISH VILLAGE	11/30/1991
49295.1066	DPG-070_DISTURBED AREA (ANIMAL WASTE DUM	9/30/2001
49295.1067	DPG-071_SKEET RANGE(EPIC-2A)	11/30/1991
49295.1068	DPG-072_SAND/GRAVEL PITS(EPIC-2C)	11/30/1991
49295.1069	DPG-073_HORSE STABLE AREA(EPIC-3A)	11/30/1991
49295.1070	DPG-074_TRENCH, CONTENTS UNK(EPIC-3B)	11/30/1991
49295.1071	DPG-075_OLD FRIES PARK SEWAGE LAGOON(EPI	9/30/2005
49295.1072	DPG-076_STAINED/DISTURBED GROUND(EPIC-3F	11/30/1991
49295.1073	DPG-077_EX-ASPHALT PILE LITTLE GRANITE M	7/31/2005
49295.1074	DPG-078_GROUND SCARS(EPIC-4C)	5/30/1993
49295.1076	DPG-081_FORMER MUNITIONS STORAGE IGLOO(1	9/30/1999
49295.1077	DPG-082_WASTE PILE (E OF MICHAEL AAF)(EP	3/31/1998
49295.1078	DPG-083_GROUND STAINS(EPIC-8A)	11/30/1991
49295.1079	DPG-084_FILL MATERIAL TRENCHES(EPIC-8B)	11/30/1991
49295.1080	DPG-085_DUNE FIELD BORROW AREA(EPIC-8C)	11/30/1991
49295.1081	DPG-086_FORMER COAL PILES @ DITTO FAC(EP	11/30/1991
49295.1082	DPG-088_BORROW PIT LOCATIONS(EPIC-9C)	7/31/1993
49295.1084	DPG-091_ASPHALT PILE SO OF BAKER	9/30/2000
49295.1085	DPG-092_LANDFILL (NO EAST OF BAKER)	9/30/2001
49295.1086	DPG-093_EXCAVATION/TRENCHES(EPIC-12A)	9/30/2001
49295.1087	DPG-094_BORROW PIT SOUTH OF BAKER(EPIC-1	11/30/1991
49295.1088	DPG-095_BORROW PIT SE OF GRANITE PEAK(EP	11/30/1991
49295.1089	DPG-096_CONCRETE DEBRIS,SO. OF MICHAEL A	9/30/2001
49295.1091	DPG-098_PIPELINE EXCAV VIC OLD IGLOOS @	9/30/2006
49295.1092	DPG-099_3X DISPOSAL AREA VIC E CAMELBACK	6/30/2004
49295.1093	DPG-100_DITTO AREA WATER AQUIFIERS	11/30/1991
49295.1094	DPG-101_WASTE DISPOSAL SITE(EAST OF WIG	9/30/1999
49295.1095	DPG-102_NEW SANITARY LANDFILL,WEST OF FR	11/30/1991
49295.1096	DPG-103_DECON PAD @ BLDG 9411, WEST GRAN	9/30/1999
49295.1097	DPG-104_DECON PAD, JCT TANGO/BURNS/VICTO	9/30/1999
49295.1098	DPG-107_DECONTAMINATION PAD (TOWER GRID)	9/30/1999
49295.1099	DPG-108_BE & C14 WASTE DISPOSAL AREA(EPI	3/31/1998
49295.1100	DPG-109_BE & C14 WASTE DISPOSAL AREA (EP	3/31/1998
49295.1101	DPG-110_BE & C14 WASTE DISPOSAL AREA (EP	9/30/1999
49295.1102	DPG-111_BE & C14 WASTE DISPOSAL AREA(EPI	9/30/1999
49295.1103	DPG-113_LANDFILL POLE LINE ROAD	10/31/2004
49295.1104	DPG-114_OLD GPI-3 TEST SITE (NW V-GRID)	9/30/2010
49295.1105	DPG-115_LANDFILL, X-RAY RD 1MI S OF BLDG	12/31/2007
49295.1106	DPG-116_LANDFILL NYE ROAD	9/30/2004
49295.1107	DPG-117_WASTE DISPOSAL PIT (FALCONER ROA	9/30/2001
49295.1108	DPG-118_TEST VAT(1940-1950'S) (EAST OF V	9/30/2005
49295.1109	DPG-119_OB/OD PAN, 4MI EAST OF CARR FACI	5/31/1993

CRL ID	Site Name	Site Closeout Date
49295.1110	DPG-120_BURN FACILITY IN BUILDING 5710	6/30/1992
49295.1111	DPG-121_INCINERATOR, BAKER LAB BASEMENT	6/30/1992
49295.1112	DPG-122_INCINERATOR, BAKER LAB BASEMENT	9/30/1999
49295.1113	DPG-123_INCINERATOR (BAKER) BLDG 2028)	3/31/1998
49295.1114	DPG-124_3X/5X CARR FACILITY INCINERATOR	8/31/2004
49295.1115	DPG-125_AVERY BOILER BLOWDOWN SUMP (DITC	6/30/1992
49295.1116	DPG-126_YELLOW JACKET AREA	11/30/1991
49295.1117	DPG-127_SOUTHERN TRIANGLE AREA(INCL RISI	11/30/1991
49295.1119	DPG-130_SUMP, AAFES GAS STATION, ENGLISH	9/30/2004
49295.1120	DPG-131_HWHA-1 (PAINT SHOP WASTES)	10/31/1997
49295.1121	DPG-132_HWHA-2 (MOTOR VEHICLE SHOP WASTE	10/31/1997
49295.1123	DPG-134_HWHA-4 (CHEM LAB 3X WASTES)	10/31/1997
49295.1124	DPG-135_HWHA-5 (PHOTO WASTES)	10/31/1997
49295.1125	DPG-136_HWHA-6 (TEST GENERATED WASTES)	10/31/1997
49295.1126	DPG-137_HWHA-7 (GRID OPS BRANCH WASTE)	10/31/1997
49295.1127	DPG-138_HWHA-8 (LUB OIL-ANTIFREEZE)	10/31/1997
49295.1128	DPG-139_HWHA-9 (MOTOR OIL-ANTIFREEZE)	10/31/1997
49295.1129	DPG-140_HWHA-10 (BATTERIES & KOH SOL)	10/31/1997
49295.1130	DPG-141_HWHA-11 (MOTOR VEHICLE SHOP WAST	10/31/1997
49295.1131	DPG-142_HWHA-12 (3X WASTE FOR INCINERATO	10/31/1997
49295.1132	DPG-143_HWHA-13 (3X MATERIAL)	10/31/1997
49295.1133	DPG-144_HWHA-14 (BLEACH, LAB, SLNS)	10/31/1997
49295.1134	DPG-145_HWHA-15 (ENGLISH VILLAGE AUTOSHO	10/31/1997
49295.1135	DPG-146_TANK TRUCK H2 SO4	7/31/1993
49295.1136	DPG-147_AST DECON PAD C-8 EMULSION	7/31/1993
49295.1137	DPG-148_HEALTH CLINIC TANK #1	7/31/1993
49295.1138	DPG-149_HEALTH CLINIC TANK #2	5/31/1993
49295.1139	DPG-150_WASTE LINES BLDG 3445 - CARR	9/30/2007
49295.1140	DPG-151_STAINLESS STEEL SUMP CARR (3X)	10/31/1997
49295.1141	DPG-152_STAINLESS STEEL HOLDING TANK,CAR	10/31/1997
49295.1142	DPG-153_STAINLESS STEEL SUMP, CARR (3X)	10/31/1997
49295.1143	DPG-154_WASTE LINES AT DTC, CARR	9/30/2007
49295.1144	DPG-155_WASTE TANK, DTC, CARR(3X)	5/31/1993
49295.1145	DPG-156_AST, DTC, CARR(3X)	5/31/1993
49295.1146	DPG-157_SUMP, DTC, CARR(3X)	5/31/1993
49295.1147	DPG-158_EVAP POND NO OF MICHAEL AAF	9/30/2004
49295.1148	DPG-159_INCINERATOR, ENGLISH VILLAGE	9/30/1999
49295.1149	DPG-160_AIR FORCE PAD 777 LF #1	5/31/1992
49295.1150	DPG-161_AIR FORCE PAD 777 LF #2	5/31/1992
49295.1151	DPG-162_DECON PAD NO OF AVERY	9/30/2003
49295.1152	DPG-163_FIRE TRAINING AREA	12/31/2005
49295.1153	DPG-164_AVERY WASH RACK #1	5/31/1992
49295.1154	DPG-165_AVERY WASH RACK #2	12/31/2003
49295.1155	DPG-166_AVERY WASH RACK #3	5/31/1992
49295.1156	DPG-167_CONT SOIL @ DITTO BLDG 4358	11/30/2003

CRL ID	Site Name	Site Closeout Date
49295.1157	DPG-168_CAR WASH RACK	4/30/2006
49295.1158	DPG-169_BAKER VEHICLE WASH RACK	10/31/2004
49295.1159	DPG-170_STEAM CLEANING ENGLISH VILLAGE/S	5/31/1992
49295.1160	DPG-171_BLDG 2006 BAKER AREA - BZ CONTAM	9/30/2005
49295.1161	DPG-172_OLD BATTERY SHOP, AVERY AREA (BL	6/30/2004
49295.1162	DPG-173_OLD BATTERY SHOP - DITTO AREA	7/31/2008
49295.1163	DPG-174_STORAGE SHEDS AT BAKER	3/31/1998
49295.1164	DPG-175_ACID NEUTRALIZATION TANK - AVERY	9/30/2004
49295.1165	DPG-176_ACID DILUTION BOX - 4026 DITTO	9/30/1999
49295.1166	DPG-177_OLD DRY CLEANING SHOP/SEWER SYST	6/30/2008
49295.1167	DPG-178_PHOTO PROCESSING BUILD - DITTO (	9/30/2001
49295.1168	DPG-179_BLDG 3342, 3048 SUMPS	9/30/2004
49295.1169	DPG-180_FORMER BIO-LAB WEST OF CARR FAC.	9/30/2008
49295.1170	DPG-181_X-RAY LAB,CARR FACILITY(BLDG 313	9/30/2001
49295.1171	DPG-182_OPEN DET UNIT/SUPPRESSIVE TEST SH	11/30/2001
49295.1172	DPG-183_B29 AIRCRAFT - WEST OF GRANITE P	7/31/2007
49295.1173	DPG-184_AIR FILTER SYSTEM, BLDG 1004	9/30/2001
49295.1174	DPG-185_OLD CHEMICAL LABORATORY-DITTO AR	9/30/2005
49295.1175	DPG-186_NEW CHEMICAL LABORATORY - DITTO	10/31/1996
49295.1176	DPG-187_PRINT SHOP - ENGLISH VILLAGE (54	9/30/2001
49295.1177	DPG-188_WASTE PIT NORTH OF RISING SUN	6/30/2007
49295.1178	DPG-189_WASTE PIT- NORTH OF RISING SUN G	9/30/2007
49295.1179	DPG-190_RANGER LANDFILL AT PRIME ROAD GR	12/31/2003
49295.1180	DPG-191_LANDFILL - WEST OF EXISTING LAND	9/30/2001
49295.1182	DPG-193_DECONPAD - WEST OF GRANITE MOUNT	9/30/2006
49295.1184	DPG-195_INCINERATOR EAST OF CARR	9/30/2001
49295.1185	DPG-196_INCINERATOR EAST OF CARR	9/30/1999
49295.1187	DPG-198_X-RAY PROCESSOR - HEALTH CLINIC	10/31/1995
49295.1191	DPG-202_WASTE PILE AT CPI 3 (NOW DPG-114	9/30/1998
49295.1192	DPG-203_LANDFILL NORTH OF APG	8/31/1999
49295.1194	DPG-205_GRASSY PLOTS GRID, EAST OF BAKER	9/30/2005
49295.1195	DPG-206_SURFACE DISPOSAL AREA, SW OF MAA	9/30/2006
49295.1197	DPG-208_DRUM BURIAL SITE SE OF CARR	9/30/2009
49295.1198	DPG-209_BIO TEST PLOTS, SE ALL PURPOSE G	9/30/2008
49295.1199	DPG-210_GLASS DISPOSAL SITE, SO OF BAKER	9/30/2008
49295.1200	DPG-211_CORAL PIT WASTE PILE, N CMLBK RI	7/31/2007
49295.1201	DPG-212_M55 ROCKET TEST SITE, SO TOWER G	6/30/2008
49295.1203	DPG-214_DECONTAMINATION PAD, TARGET S	9/30/2005
49295.1205	DPG-216_TRASH PIT, GRANITE MTN	9/30/2005
49295.1206	PBC at Dugway_PBC	3/15/2014
49295.1208	CC-UST4224_Power Station (inactive), Bui	1/31/2005

## COMMUNITY INVOLVEMENT

<b>Community Involvement Plan (Date Last Reviewed):</b>	5/1/2023
<b>Technical Review Committee Establishment Date:</b>	N/A
<b>Restoration Advisory Board (RAB) Establishment Date:</b>	2/15/2000
<b>RAB Adjournment Date:</b>	8/15/2010
<b>RAB Adjournment Reason:</b>	There is no longer sufficient, sustained community interest.
<b>Reasons for Not Establishing RAB:</b>	N/A
<b>RAB Date of Solicitation from Community:</b>	11/15/2022
<b>RAB Results of Solicitation:</b>	Public response period ended 12/14/22. Zero public response was received.
<b>Current Technical Assistance for Public Participation (TAPP):</b>	N/A
<b>TAPP Title:</b>	N/A
<b>Potential TAPP:</b>	N/A
<b>Administrative Record Location:</b>	Utah Department of Environmental Quality, 195 N 1950 W, Salt Lake City, UT 84116
<b>Information Repository Location:</b>	Utah Department of Environmental Quality, 195 N 1950 W, Salt Lake City, UT 84116, and, J. Willard Marriott Library, 295 1500 E, Salt Lake City, UT 84112



## FIVE-YEAR / PERIODIC REVIEW SUMMARY

Status	Review Type	Start Date	End Date	Plans Narrative	Actions Narrative	Results Narrative
Complete	PR	9/1/2021	9/1/2022	N/A	N/A	From the 2016 periodic review, the outcome was that Dugway sites are protected.
Planned	PR	9/1/2026	9/1/2027	N/A	N/A	N/A