

## Acronyms List

A	Amber
AB	Ambient Blank
ABP	Agent Breakdown Product
ACM	Asbestos-containing Material
AGEISS	AGEISS Environmental
AMC	US Army Material Command
AMO	Authorized Military Official
AMSL	Above Mean Sea Level
APR	Air-Purifying Respirator
ATEC	US Army Test and Evaluation Command
ATG	Allied Technology Group, Inc
BGS	Below Ground Surface
BLM	Bureau of Land Management
BMTF	Bushnell Material Test Facility
BZ	Incapacitating Agents
°C	Degree(s) Celsius
CAR	Corrective Action Report
CASARM	Chemical Agent Standard Analytical Reference Material
CC	Calibration Check
CCR	Closure Certification Report
CCTF	Combined Chemical Test Facility
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	US Code of Federal Regulations
CHWSF	Central Hazardous Waste Storage Facility
cm	Centimeters
cm/sec	Centimeters per second
CMI	Corrective Measures Implementation
CMIP	Corrective Measure Implementation Plan
CMIR	Corrective Measure Implementation Report
CMS	Corrective Measures Study
CMWP	Corrective Measures Work Plan
CN	chloroacetophenone
CO	State of Utah Solid and Hazardous Waste Control Board Consent Form
COC	Chain-of-Custody
COC	Chemical of Concern
COLIWASA	Composite Liquid Waste Sampler
COPC	Chemical of Potential Concern
COPEC	Chemical of Potential Ecological Concern
CPO	Civilian Personnel Office

CPT	Cone Penetrometer Test
CRD	Compliance Restoration Division
CS	o-chlorobenzalmalononitrile
yd <sup>3</sup>	cubic yards
CWA	Chemical Warfare Agent
CX	Phosgene Oxime
DAAMS	Depot Area Air Monitoring System
DAF	Dilution Attenuation Factor
DEP	Directorate of Environmental Programs
DNT	2,4-Dinitrotoluene, Explosive
DOD	Department of Defense
DOT	US Department of Transportation
DPG	Dugway Proving Ground
DQO	Data Quality Objective
DRMO	Defense Reutilization and Marketing Office
DSHW	Division of Solid and Hazardous Waste
DTC	Ditto Technical Center
DTTF	Dugway Thermal Treatment Facility
Dugway	Dugway Proving Ground
DWQ	Division of Water Quality
EB	Equipment Rinse Blank
EOD	Explosive Ordinance Detachment
EPA	US Environmental Protection Agency
EPO	Environmental Program Office
ERA	Ecological Risk Assessment
°F	Degree(s) Fahrenheit
FAR	Field Activity Report
FD	Field Duplicate
FEMA	Federal Emergency Management Agency
ft	foot, feet
ft/day	feet per day
FWEC	Foster Wheeler Environmental Corporation
FWV	Field Work Variance
FY	Fiscal Year
GA	Tabun: Ethyl N,N-dimethylphosphoramidocyanide
GB	Sarin: Isopropyl Methylphosphonofluoridate
GC	Gas Chromatography
GCL	Geosynthetic Clay Liner
GD	Soman: Pinacolyl Methylphosphonofluoridate
GF	Cyclohexyl Methylphosphonofluoridate

GMA	Groundwater Management Area
GPI	Granite Peak Installation
GPM	Gallons Per Minute
GPS	Global Positioning Device
GPS	Global Positioning System
H	Mustard, Bis-(2-chloroethyl) sulfide
HAPS	Hazardous Air Pollutants
HAZMAT	Hazardous Materials Team
HD	Mustard, Distilled: Bis-(2-chloroethyl) sulfide
HDPE	High Density Polyethylene
HEPA	High Efficiency Particulate Air Filter
HHRA	Human Health Risk Assessment
HI	Hazard Index
HL	Mustard/Lewisite mixture
HMX	High-Velocity Military Explosive
HN1	Bis-(2-chloroethyl)ethylamine, Nitrogen Mustard
HN2	Bis-(2-chloroethyl)methylamine, Nitrogen Mustard
HN3	Tris-(2-chloroethyl)amine, Nitrogen Mustard
HQ	Hazard Quotient
HRA	Health Risk Assessment
HSWA	Federal Hazardous and Solid Waste Amendments
HWMU	Hazardous Waste Management Unit
HWTS	Hazardous Waste Tracking System
ICBAD	Improved Chemical Biological Agent Decontaminant
ICP	Inductively Coupled Plasma
ICSP	Installation Spill Contingency Plan
IDW	Investigative Derived Wastes
ILCR	Incremental Lifetime Cancer Risk
IRIS	Integrated Risk Information System
IRP	Installation Restoration Program
kg	kilogram
lb	pounds
lbs	pounds
LDR	Land Disposal Restrictions
LEL	Lower Explosive Limit
LOD	Limit of Detection
MB	Method Blank
MBS	Method Blank Spike
MBSD	Method Blank Spike Duplicate
MCL	Maximum Containment Level
MDL	Method Detection Limit

mg/kg	Milligrams per Kilogram
mg/L	Milligrams per Liter
mg/m <sup>3</sup>	Milligrams per Cubic Meter
MHE	Material Handling Equipment
mhos/cm	Micromhos per centimeter
MIDAS	Munitions Items Disposition Action System
MINICAMS <sup>®</sup>	Miniature Continuous Air Monitoring System
mL	micro liter
mL	milliliter
mm	millimeter
MPA	Methyl Phosphoric Acid
MPPEH	Materials Potentially Presenting an Explosive Hazard
MS	Mass Spectroscopy or Matrix Spike
MS/MSD	Matrix Spike/Matrix Spike Duplicate
MSD	Matrix Spike Duplicate
msl	mean sea level
µg/L	micrograms per Liter
MTCTEA	Military Traffic Command Transportation Engineering Agency
MWH	Montgomery Watson Harza
NA	Not Applicable
NEW	Net Explosive Weight
NFA	No Further Action
NFPA	National Fire Protection Agency
NIOSH	National Institute for Occupational Safety and Health
NOAEL	No Observed Adverse Effect Level
NRC	Nuclear Regulatory Commission
NS	Normal Sample
OB	Open Burn
OBODDM	Open Burn/Open Detonation Dispersion Model
OD	Open Detonation
OE	Ordnance and Explosive
°F	Degrees Fahrenheit
OP	Operating Procedure
OSHA	Occupational Safety and Health Administration
PAH	Polycyclic Aromatic Hydrocarbon
PAH	Polynuclear Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
PCE	tetrachloroethylene
pCi/L	pico Curies per liter
PCP	Post-Closure Plan

PE	Polyethylene
PEP	Propellants, Explosives, and Pyrotechnics
%R	Percent Recovery
PES	Parsons Engineering Science
PFA	Perfluoroalkoxy
POL	Petroleum, Oil, and Lubricants
PP	Portable Pump
PPE	Personal Protective Equipment
ppm	parts per million
PPTRV	Provisional Peer-Reviewed Toxicity Value
PQL	Practical Quantitation Limit
PRG	preliminary remediation goal
PSD	Prevention of Significant Deterioration
PST	Planned Sample Table
PVC	Polyvinyl Chloride
PVC	polyvinyl chloride
QA	Quality Assurance
QAPP	Quality Assurance Program
QC	Quality Control
R	Range
RAP/RD	Remedial Action Plan/Remedial Design
RCRA	Resource Conservation and Recovery Act
RDX	Research Department Explosive
RDX	Cyclotrimethylenetrinitramine
RFA	RCRA Facility Assessment
RFI	Final Phase II RCRA Facility Investigation
RL	Reporting Limit
RME	reasonable maximum exposure
RPD	Relative Percent Difference
RQ	Reportable Quantity
RSD	Relative Standard Deviation
SAP	Sample Analysis Plan
SAMS	Surface Atmospheric Measurement System
SARA	Superfund Amendments and Reauthorization Act
SB	Source Blank
SB	Submersible Pump (Dedicated)
SBCCOM	Soldier and Biological Chemical Command
SBV	Site Background Value
SCBA	Self Contained Breathing Apparatus
SDS	Safety Data Sheet
Shaw	Shaw Environmental, Inc.

SLHQ	Screening-level hazard quotient
SOP	Standard Operating Procedure
SSL	soil screening level for leaching to groundwater
SVOC	Semivolatile Organic Compounds
SW-846	EPA Test Methods for Evaluating Solid Waste
SWMU	Solid Waste Management Unit
T	Bis[2-(2-chloroethylthio)ethyl]ether
TCB	Trichlorobenzene
TCDD	2,3,7,8-tetrachlorodibenzo-p-dioxin
TCLP	Toxicity Characteristic Leaching Procedure
TDS	Total Dissolved Solids
TERC	Total Environmental Restoration Contract
TEU	Technical Escort Unit
TFE	Tetrafluoroethylene
TM	U.S. Army Technical Manual
TNT	Trinitrotoluene
TOC	Total Organic Carbon
TOC	Total Organic Compound
TOX	Total Organic Halides
TPHC	Total Petroleum Hydrocarbons
TSCA	Toxic Substances Control Act
TSDF	Treatment, Storage, and Disposal Facility
TSDF	Treatment, Storage, and Disposal Facility
TSS	Temporary Storage Site
TSS	Total Suspended Solid
UAC	Utah Administrative Code
UCA	Utah Code Annotated
UCL	Upper Confidence Limit
UDAQ	Utah Division of Air Quality
UDEQ	Utah Department of Environmental Quality
UDEQ	Utah Department of Environmental Quality
UDSHW	Utah Division of Solid and Hazardous Waste
µg/L	micrograms per liter
µg/g	microgram per gram
µg/kg	micrograms per kilogram
USACE	US Army Corps of Engineers
USC	US Code
USCG	US Coast Guard
USDA	US Department of Agriculture Soil Conservation Services
USGS	US Geological Survey
USHWCB	Utah Solid and Hazardous Waste Control Board

UST	Underground Storage Tank
UV	Ultra Violet
UXO	Unexploded ordinance
VIMR	Voluntary Interim Measures Report
VOC	Volatile Organic Compound
VX	O-ethyl-S-(2-diisopropylaminoethyl) methylphosphonothiolate
WAP	Waste Analysis Plan
WDTC	West Desert Technical Center
WP	Work Plan
WPL	Worker Population Limit
WQ	QC Water