

1,2-DCA	1,2-dichloroethane
1D, 2D, 3D	one dimensional, two dimensional, three dimensional
3DVA	three-dimensional data visualization and analysis
3TMO	3-Tiered Monitoring and Optimization Tool
AC	assimilative capacity
ACO	administrative consent order
ACL	alternate concentration limit
AEE	Association of Energy Engineers
AFCEC	Air Force Civil Engineer Center (formerly Air Force Center for Engineering and the Environment, AFCEE)
AFCEE	Air Force Center for Engineering and the Environment
Air Force	United States Air Force
aka	also known as
AM	adaptive management
ARAR	applicable or relevant and appropriate requirements
ASCT	advanced site characterization tools
AS	air sparging
ASM	adaptive site management
ASTM	ASTM International
ASTSWMO	Association of State and Territorial Solid Waste Management Officials
BART	biological activity reaction test
BCEE	bis 2-chloroethyl ether
BFF	bulk fuels facility
bgs	below ground surface
BMP	best management practice
BTEX	benzene, toluene, ethylbenzene, and xylene
CCL4	carbon tetrachloride
CD	consent decree
CEA	classification exception area
CEC	contaminants of emerging concern
CEM	certified energy manager
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (Superfund)
CES	cost-effective sampling
cfm	cubic feet per minute
CFR	Code of Federal Regulations
cis 1,2 DCE	cis-1,2 dichloroethylene
CLU-IN	Contaminated Site Clean-Up Information
CMD	contaminant mass discharge
COC	contaminant of concern
Cr (VI)	hexavalent chromium
CRAFT	Corps of Engineers Reduced and Abridged FEMP Tool

CRAN	Comprehensive R Archive Network
CRC Care	Cooperative Research Centre for Contamination Assessment and Remediation of the Environment
CSM	conceptual site model
CTS	compliance tracking system
CVOC	chlorinated volatile organic compound
CZOM	AFCEC Operations Division, Midwest Branch
CZTE	AFCEC, Environmental Restoration Technical Support Branch
DCE	dichloroethylene
DEC	Department of Environmental Conservation
DER	declaration of environmental restriction
DNAPL	dense nonaqueous phase liquid
DNR	Department of Natural Resources
DOD	United States Department of Defense
DOE	United States Department of Energy
DOH	Department of Health
DON	United States Department of the Navy
DPE	dual-phase extraction
DQO	Data Quality Objective
Dye-LIF	dye-enhanced laser-induced fluorescence
EAD	enhanced anaerobic dechlorination
EAWAG	Swiss Federal Institute of Aquatic Science and Technology (Eidgenössische Anstalt für Wasserversorgung, Abwasserreinigung und Gewässerschutz)
ECM	energy conservation measure
EISA	Energy Independence and Security Act
EISB	enhanced in situ bioremediation
EPA	United States Environmental Protection Agency
ERD	enhanced reductive dechlorination
ERH	electrical resistive heating
ERP	Environmental Restoration Program
ESD	explanation of significant difference
ESTCP	Environmental Security Technology Certification Program
EVO	emulsified vegetable oil
EW	extraction well
FEMA	Federal Emergency Management Agency
FEMP	Federal Energy Management Program
FRTR	Federal Remediation Technologies Roundtable
FS	feasibility study
FY	fiscal year
GAC	granular activated carbon
GCUA	Gloucester County Utilities Authority

GHG	greenhouse gas
gpm	gallons per minute
GSA	General Services Administration
GTS	Geostatistical Temporal-Spatial Optimization Software
GWTS	groundwater extraction and treatment system
GWQS	groundwater quality standard
GWSDAT	Groundwater Spatiotemporal Data Analysis Tool
HAB	Hanford Advisory Board
HDPE	high-density polyethylene
HRSC	high-resolution site characterization
HVAC	heating, ventilation, and air conditioning
IBHS	Insurance Institute for Business and Home Safety
IC	institutional control
IDW	inverse-distance weighting
IRM	interim remedial measure
ISB	in situ bioremediation
ISEB	in situ enhanced bioremediation
ISCO	in situ chemical oxidation
ISCR	in situ chemical reduction
ISTR	in situ thermal remediation
ISTT	in situ thermal treatment
ITRC	Interstate Technology and Regulatory Council
IVS	instrument verification strip
JBCC	Joint Base Cape Cod
kW	kilowatt
kWh	kilowatt-hour
LIF	laser-induced fluorescence
LIRR	Long Island Rail Road
LNAPL	light nonaqueous-phase liquid
LPGAC	liquid-phase granular activated carbon
LTMO	long-term monitoring optimization
LTRA	long-term response actions
MAR	managed aquifer recharge
MAROS	Monitoring and Remediation Optimization Software
MassDEP	Massachusetts Department of Environmental Protection
MCL	maximum contaminant level
MCP	Massachusetts Contingency Plan
MCPA	2-methyl-4-chlorophenoxyacetic acid
MDL	Method Detection Limit
MEDEP	Maine Department of Environmental Protection

µg/L	micrograms per liter
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MIP	membrane interface probe
MLE	maximum likelihood estimation
MNA	monitored natural attenuation
MPE	multi-phase extraction systems
MPS	media protection standards
MT3DMS	Modular Transport 3-Dimensional Multi-Species Model
NA, N/A	not applicable
NAPL	nonaqueous-phase liquid
NAVFAC	Naval Facilities Engineering Command
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NCSL	National Conference of State Legislatures
NGWA	National Groundwater Association
NJDEP	New Jersey Department of Environmental Protection
NMED	New Mexico Environment Department
NPDES	National Pollutant Discharge Elimination System
NPL	National Priority List
NRC	National Research Council
NSZD	natural source zone depletion
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
O&M	operation and maintenance
OLEM	Office of Land and Energy Management
OLS	ordinary least squares
OSRTI	Office of Superfund Remediation and Technology Innovation
OSWER	United States Environmental Protection Agency Office of Solid Waste and Emergency Response
OU	operable unit
P&T	Pump and Treat
PAH	polycyclic aromatic hydrocarbons
PCE	tetrachloroethene
PDI	pre-design investigation
PFAS	per- and polyfluoroalkyl substances
Photo-Cat	photo-catalysis
POTW	publicly owned treatment works
PRB	permeable reactive barrier
PRP	potentially responsible party
PV	photovoltaic
PVC	polyvinyl chloride

RA	remedial action
RAO	remedial action objective
RAP	Remedial Action Plan
RCRA	Resource Conservation and Recovery Act
RD	remedial design
REMChlor	Remediation Evaluation Model for Chlorinated Solvents
REMFuel	Remediation Evaluation Model for Fuel Hydrocarbons
REV	representative elementary volume
RI	remedial investigation
RI/FS	remedial investigation/feasibility study
RMCS	Remediation Management of Complex Sites
ROD	Record of Decision
ROS	remedy operation status
RPO	remedial process optimization
RSE	remedial system evaluation
RSO	remedial system optimization
RT3D	Reactive Transport 3-Dimensional Software
RW	recovery well
SBMP	sustainable best management practice
SCADA	supervisory control and data acquisition
SERDP/ESTCP	Strategic Environmental Research and Development Program / Environmental Security Technology Certification Program
SF	slope factor
SMART	specific, measurable, attainable, relevant, time-bound (referring to goals)
SRM	sorptive reactive media
SRR	sustainable resilient remediation
SRT	sustainable remediation tool
SURF	Sustainable Remediation Forum
SVE	soil vapor extraction
SWMU	solid waste management unit
TAG	Technical Assistance Grant
TCE	trichloroethylene
TCEQ	Texas Commission on Environmental Quality
tDCE	trans-dichloroethylene
TI	technical impracticability
U.S.	United States
USACE	United States Army Corps of Engineers
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	underground storage tank

UV	ultraviolet
UV-Ox	ultraviolet-oxidation
VFD	variable frequency drive
VPAC	vapor phase granular activated carbon
VIMS	vapor-intrusion mitigation system
VOC	volatile organic compound
VPAC	vapor-phase granular activated carbon
VSP	visual sampling plan
WBZ	water-bearing zone
ZVI	zero valent iron