

**Acronyms Used in EPA's Homeland Security Research Program
Presentations & Posters**

Acronym	Word or Phrase
2D	two dimensional
Am-241	americium-241
App	software application
AWWA	American Water Works Association
Bio	biological
BLM	Bureau of Land Management [U.S. Department of the Interior]
BOSC	Board of Scientific Counselors (EPA)
BOTE	Bio-Response Operational Testing and Evaluation
CANARY	(not an acronym) software for detection of contamination incidents in drinking water systems
CBR	chemical, biological, radiological
CBRN	chemical, biological, radiological, nuclear
CDC	Centers for Disease Control and Prevention [U.S. Department of Health and Human Services]
CERI	Community Environmental Resilience Index
Chem	chemical
CIPAC	Critical Infrastructure Partnership Advisory Council
CMAD	Consequence Management Advisory Division (EPA)
CT	Connecticut
CWAs	chemical warfare agents
DC	District of Columbia
Decon	decontamination
DeconST	Decontamination Selection Tool
DHS	U.S. Department of Homeland Security
DHS NUSTL	National Urban Security Technology Laboratory [U.S. Department of Homeland Security]
DNA	deoxyribonucleic acid
DoD	U.S. Department of Defense
DOE	U.S. Department of Energy
DOI	U.S. Department of the Interior
DQOs	data quality objectives
DW	drinking water
EA2192	S-[2-(diisopropylamino)ethyl] methylphosphonothioate (nerve agent VX degradation product)
EO	Executive Order
EPA	U. S. Environmental Protection Agency
EPANET-MSX	EPANET Multi-species eXtension
EPANET-RTX	EPANET Real-time eXtension
EPI-SUITE	EPI (Estimation Programs Interface) Suite TM
ERLN	Environmental Response Laboratory Network

**Acronyms Used in EPA's Homeland Security Research Program
Presentations & Posters**

Acronym	Word or Phrase
FAD	foreign animal disease
FEMA	Federal Emergency Management Agency [U.S. Department of Homeland Security]
FTE	full-time equivalent
FY	fiscal year
GB	sarin (G-series nerve agent)
GCWW	Greater Cincinnati Water Works
GD	soman (G-series nerve agent)
GF	cyclosarin (G-series nerve agent)
GIS	geographic information system
HD	mustard gas (sulfur vesicant agent)
HEC-RAS	Hydraulic Engineering Centers - River Analysis System
HHS	U.S. Department of Health and Human Services
HS	Homeland Security
HSRP	Homeland Security Research Program (EPA)
HUD	U.S. Department of Housing and Urban Development
HVAC	heating, ventilation, and air conditioning
ICLN	Integrated Consortium of Laboratory Networks
ICS-CERT	Industrial Control Systems - Cyber Emergency Response Team
IND	improvised nuclear device
INL	Idaho National Laboratory
I-WASTE	Incident Waste Decision Support Tool (DST)
LA	Louisiana
LRN	Laboratory Response Network
MA	Massachusetts
MCHM	4-methylcyclohexanemethanol
MOEJ	Ministry of the Environment of Japan
MOUs	memorandum of understanding
MQOs	measurement quality objectives
NAS	National Academies of Sciences, Engineering, and Medicine
NATO	North Atlantic Treaty Organization
NC	North Carolina
NH	New Hampshire
NHSRC	National Homeland Security Research Center (EPA)
NIEHS	National Institute of Environmental Health Sciences [National Institutes of Health]
NIST	National Institute of Standards and Technology [U.S. Department of Commerce]
NOAA	National Oceanic and Atmospheric Administration [U.S. Department of Commerce]
NRC	National Research Council [National Academies of Sciences, Engineering and Medicine]
NSC	National Safety Council
NSF	National Science Foundation

**Acronyms Used in EPA's Homeland Security Research Program
Presentations & Posters**

Acronym	Word or Phrase
OAR	Office of Air and Radiation (EPA)
OCSP	Office of Chemical Safety and Pollution Prevention (EPA)
OEJ	Office of Environmental Justice (EPA)
OEM	Office of Emergency Management (EPA)
OGWDW	Office of Ground Water and Drinking Water (EPA)
OHS	Office of Homeland Security (EPA)
OP OSC	Office of Policy - Office of Sustainable Communities (EPA)
OP's	organophosphates
ORCR	Office of Resource Conservation and Recovery (EPA)
ORD	Office of Research and Development (EPA)
ORD/NERL	Office of Research and Development/National Exposure Research Laboratory (EPA)
ORD/NRMRL	Office of Research and Development/National Risk Management Research Laboratory (EPA)
ORIA	Office of Radiation and Indoor Air (EPA)
OSC's	On-Scene Coordinators
OSTP	Office of Science and Technology Policy (EPA)
OSWER	Office of Solid Waste and Emergency Response (EPA)
OW	Office of Water (EPA)
PALS	Provisional Advisory Levels/ Health-Based Early-Intermediate Phase Exposure Advisory Levels
PARTNER	Program to Align Research and Technology with the Needs of Environmental Response
PCR	polymerase chain reaction
PC's	personal computer
PPD	Presidential Policy Directive
PPE	Personal Protective Equipment
Pu-238/239	plutonium-238/239
QSPR	Quantitative Structure Property Relationship
R&D	research and development
Ra-226	radium-226
Rad	radiological
RDD	radiological dispersal device (dirty bomb)
RSMS	Riverine Spill Modeling System
RTG	Radioisotope Thermoelectric Generator
RT-PCR	real-time polymerase chain reaction
RV-PCR	rapid-viability polymerase chain reaction
S&A	sampling and analysis
S&T	Science & Technology Directorate [U.S. Department of Homeland Security]
SAB	Science Advisory Board (EPA)
SAM	Selected Analytical Methods for Environmental Remediation and Recovery

**Acronyms Used in EPA's Homeland Security Research Program
Presentations & Posters**

Acronym	Word or Phrase
SCADA	supervisory control and data acquisition
SCID	Sample Collection Information Document
SHEDS	Stochastic Human Exposure Dose Simulation
SMEs	subject matter experts
Sr-89	strontium-89
Sr-90	strontium-90
SRS	surveillance and response systems
SSA	Sector-Specific Agency (critical infrastructure sector)
TEVA-SPOT	Threat Ensemble Vulnerability Assessment-Sensor Placement Optimization Tool
TOC	total organic carbon
TSWG	Technical Support Working Group
TX	Texas
UK	United Kingdom
UN RISE	
US	United States
USACE	U.S. Army Corps of Engineers [U.S. Department of Defense]
USDA FS	U.S. Department of Agriculture - Forest Service
USDA/APHIS	U.S. Department of Agriculture - Animal and Plant Health Inspection Service
USGS	U.S. Geological Survey [U.S. Department of the Interior]
VX	<i>O</i> -ethyl S-[2-(diisopropylamino)ethyl] methylphosphonothioate (V-series nerve agent)
WADE	Wide-Area Chemical, Biological, Radiological Decontamination Incident Estimator
WARRP	Wide Area Recovery and Resiliency Program
WaterISAC	Water Information Sharing and Analysis Center
WEST	Waste Estimation Support Tool
WI	Wisconsin
WLA	Water Laboratory Alliance
WSD	Water Security Division of the Office of Ground Water and Drinking Water (EPA)
WST	Water Security Toolkit
WSTB	Water Security Test Bed System
WV	West Virginia