

**ACRONYMS AND ABBREVIATIONS**

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 2 Note: The following acronyms are carried forward from the initial certification application.  
 3 Some acronyms appear in both the initial application and this recertification application.  
 4 Acronyms that are unique to this application appear *in bold, blue, italicized text*.

5	ACA	Agency for Conservation Archaeology
6	ACNFS	Advisory Committee on Nuclear Facility Safety
7	AEC	Atomic Energy Commission
8	AECL	Atomic Energy of Canada Limited
9	AG	Attorney General
10	<b>AIC</b>	<b><i>Active Institutional Controls</i></b>
11	AIS	air intake shaft
12	<b>AK</b>	<b><i>acceptable knowledge</i></b>
13	<b>Al</b>	<b><i>aluminum</i></b>
14	<b>ALARA</b>	<b><i>as low as reasonably achievable</i></b>
15	<b>Am</b>	<b><i>americium</i></b>
16	<b>amsl</b>	<b><i>above mean sea level</i></b>
17	<b>AMWTF</b>	<b><i>Advanced Mixed Waste Treatment Facility</i></b>
18	<b>AMWTP</b>	<b><i>Advanced Mixed Waste Treatment Project</i></b>
19	ANL-E	Argonne National Laboratory-East
20	ANL-W	Argonne National Laboratory-West
21	ANSI	American National Standards Institute
22	APD	Application for Permission to Drill
23	API	American Petroleum Institute
24	<b>ARCO</b>	<b><i>ARCO Medical Products Company</i></b>
25	<b>ASER</b>	<b><i>Annual Site Environmental Report</i></b>
26	ASME	American Society of Mechanical Engineers
27	ASTM	American Society for Testing Materials
28	<b>B&amp;W-NES</b>	<b><i>Babcock &amp; Wilcox-Nuclear Engineering Services</i></b>
29	<b>BAB</b>	<b><i>butyric acid bacteria</i></b>
30	BAPL	Bettis Atomic Power Laboratory
31	BCL	Battelle Columbus Laboratories
32	<b>BCLDP</b>	<b><i>Battelle Columbus Laboratories Decommissioning Project</i></b>
33	BGR	Bundesanstalt für Geowissenschaften und Rohstoffe
34	BIR	Baseline Inventory Report
35	BLM	U.S. Bureau of Land Management
36	<b>BMP</b>	<b><i>Best Management Practice</i></b>
37	BNL	<del>Battelle</del> - <b><i>Brookhaven</i></b> National Laboratory
38	BP	branch procedure
39	<b>BRAGFLO</b>	<b><i>brine and gas flow</i></b>
40	BRP	Blue Ribbon Panel
41	BSEP	Brine Sampling and Evaluation Program
42	CAG	Compliance Application Guidance
43	CAO	Carlsbad Area Office ( <i>former designation</i> )
44	CAR	Corrective Action Report

1	<b><i>CARD</i></b>	<i>Compliance Application Review Document</i>
2	<b><i>CAST</i></b>	<i>CAST Transportation, Inc.</i>
3	<b><i>CB</i></b>	<i>Cabin Baby</i>
4	<b><i>CBFO</i></b>	<i>Carlsbad Field Office (DOE)</i>
5	CBP	Central Basin Platform
6	CCA	Compliance Certification Application
7	CCDF	complementary cumulative distribution function
8	<b><i>CCP</i></b>	<i>Central Characterization Project</i>
9	<b><i>CDA</i></b>	<i>corrected during the audit</i>
10	CDF	cumulative distribution function
11	CDR	Conceptual Design Report
12	<b><i>CEMRC</i></b>	<i>Carlsbad Environmental Monitoring and Research Center</i>
13	<b><i>Cf</i></b>	<i>californium</i>
14	CFR	Code of Federal Regulations
15	CH	Contact-Handled
16	<b><i>Ci</i></b>	<i>curie</i>
17	<b><i>Cm</i></b>	<i>curium</i>
18	<b><i>CMM</i></b>	<i>Coordinate Measurement Machine</i>
19	<b><i>CMP</i></b>	<i>Compliance Monitoring Plan</i>
20	CMPR	Conceptual Model Peer Review
21	<b><i>CMPRP</i></b>	<i>Conceptual Models Peer Review Panel</i>
22	CMUG	Conceptual Model Uncertainty Group
23	<b><i>Co</i></b>	<i>cobalt</i>
24	<b><i>CO<sub>2</sub></i></b>	<i>carbon dioxide</i>
25	<b><i>COMP</i></b>	<i>compliance monitoring parameter</i>
26	<b><i>CPR</i></b>	<i>cellulosic, plastic, and rubber</i>
27	<b><i>CRA</i></b>	<i>Compliance Recertification Application</i>
28	<b><i>Cs</i></b>	<i>cesium</i>
29	<b><i>CTAC</i></b>	<i>Carlsbad Field Office Technical Assistance Contractor</i>
30	<b><i>CTEN</i></b>	<i>Combined Thermal-Epithermal Neutron</i>
31	<b><i>CU</i></b>	<i>Culebra unit</i>
32	D&D	decontamination and decommissioning
33	D/H	deuterium/hydrogen
34	<b><i>DA</i></b>	<i>Data Administrator</i>
35	<b><i>DAC</i></b>	<i>Drum Age Criteria</i>
36	<b><i>DAM</i></b>	<i>Design Analysis Model</i>
37	DAS	data acquisition software
38	<b><i>DBDSP</i></b>	<i>Delaware Basin Drilling Surveillance Program</i>
39	DBE	Design Basis Earthquake
40	DBT	Design Basis Tornado
41	DCCA	Draft Compliance Certification Application
42	<b><i>DDZ</i></b>	<i>Drilling Damage Zone</i>
43	DEIS	Draft Environmental Impact Statement
44	<b><i>DFR</i></b>	<i>driving force ratio</i>
45	DNAG	Decade of North American Geology
46	DOE	U.S. Department of Energy

1	DOI	U.S. Department of the Interior
2	<b><i>DOT</i></b>	<b><i>U.S. Department of Transportation</i></b>
3	DP	disturbed performance
4	<b><i>DQO</i></b>	<b><i>Data Quality Objective</i></b>
5	<b><i>DR/CT</i></b>	<b><i>dry rod construction technology</i></b>
6	<b><i>DRXS</i></b>	<b><i>Data Review Expert System</i></b>
7	DRZ	disturbed rock zone
8	DSCR	Draft Site Characterization Report
9	EA	engineered alternatives
10	EACBS	Engineered Alternatives Cost/Benefit Study
11	EATF	Engineered Alternatives Task Force
12	EDTA	ethylenediaminetetracetate
13	EEG	Environmental Evaluation Group
14	EIS	Environmental Impact Statement
15	EM	emergency management
16	EMP	Environmental Monitoring Plan
17	<b><i>EMPEIS</i></b>	<b><i>Environmental Management Programmatic Environmental Impact</i></b>
18		<b><i>Statement</i></b>
19	EPA	U.S. Environmental Protection Agency
20	<b><i>EPD</i></b>	<b><i>Engineered Products Department</i></b>
21	EPs	events and processes
22	ER	environmental restoration
23	ERDA	U.S. Energy Research and Development Administration
24	<b><i>ERMS</i></b>	<b><i>Electronic Record Management System</i></b>
25	<b><i>ES&amp;H</i></b>	<b><i>Environment, Safety, and Health</i></b>
26	<b><i>ESHAP</i></b>	<b><i>Exhaust Shaft Hydraulic Assessment Program</i></b>
27	ESPR	Engineered Systems Peer Review
28	<b><i>ETC</i></b>	<b><i>Engineering Training Center</i></b>
29	ETEC	Energy Technology Engineering Center
30	<b><i>EXP</i></b>	<b><i>exponent</i></b>
31	<b><i>FB</i></b>	<b><i>FB Line, Savannah River Site</i></b>
32	<b><i>Fe</i></b>	<b><i>iron</i></b>
33	FEIS	Final Environmental Impact Statement
34	FEPs	features, events, and processes
35	FGE	fissile gram equivalent
36	<b><i>FLAC</i></b>	<b><i>Fast Lagrangian Analysis of Continua</i></b>
37	FLPMA	Federal Land Policy and Management Act
38	<b><i>FMT</i></b>	<b><i>Fracture-Matrix Transport (calculation)</i></b>
39	FR	Federal Register
40	<b><i>FRP</i></b>	<b><i>fiberglass-reinforced polyethylene</i></b>
41	FSAR	Final Safety Analysis Report
42	FSEIS	Final Supplement Environmental Impact Statement
43	<b><i>FSU</i></b>	<b><i>Florida State University</i></b>
44	FWS	U.S. Fish and Wildlife Service
45	FxG	Fracture Expert Group
46	GCR	Geological Characterization Report

1	GE-VNC	General Electric Vallecitos Nuclear Center
2	<b>GGTP</b>	<b>gas generation testing process</b>
3	GTP	Generic Technical Position
4	GTSD	Government Technical Services Division
5	GWMP	groundwater monitoring plan
6	HANF	Hanford Site
7	<b>Hanford-RL</b>	<b>Hanford Site - Richland Operations Office</b>
8	<b>Hanford-ORP</b>	<b>Hanford Site – Office of River Protection</b>
9	<i>also</i>	
10	<b>Hanford-RP</b>	<b>Hanford Site – Office of River Protection</b>
11	<b>HB</b>	<b>HB Line, Savannah River Site H-canyon</b>
12	<b>HC</b>	<b>historical and current human activities</b>
13	<b>HCN</b>	<b>historic, current, and near future human activities</b>
14	HEPA	high-efficiency particulate air
15	HLW	high-level waste
16	HMHWA	New Mexico Hazardous Waste Act
17	<b>HSG</b>	<b>headspace gas</b>
18	<b>HWFP</b>	<b>Hazardous Waste Facility Permit</b>
19	IA	Internal Audit
20	IAEA	International Atomic Energy Agency
21	<b>ICP/MS</b>	<b>inductively coupled plasma-mass spectrometry</b>
22	<b>ICV</b>	<b>inner containment vessel</b>
23	<b>IMC</b>	<b>International Mining Consultants</b>
24	<b>INEEL</b>	<b>Idaho National Engineering and Environmental Laboratory</b>
25	INEL	Idaho National Engineering Laboratory
26	<b>IRG</b>	<b>International Review Group</b>
27	IRT	independent review team
28	ITC	International Technology Corporation
29	ITR	Independent Technical Review
30	<b>K</b>	<b>potassium</b>
31	<b>KAPL-NFS</b>	<b>Knolls Atomic Power Laboratory-Nuclear Fuel Services</b>
32	L/ILW	low- and intermediate-level waste
33	LANL	Los Alamos National Laboratory
34	<b>LANL-CO</b>	<b>Los Alamos National Laboratory-Carlsbad</b>
35	LBNL	Lawrence Berkeley National Laboratory
36	LCM	lost circulation material
37	<b>LCS</b>	<b>laboratory-controlled sample</b>
38	LHS	Latin hypercube sampling
39	<b>LLD</b>	<b>lower limit of detection</b>
40	LLNL	Lawrence Livermore National Laboratory
41	<b>LMP</b>	<b>Land Management Plan</b>
42	<b>LQS</b>	<b>large quantity site</b>
43	LWA	Land Withdrawal Act
44	<b>LWB</b>	<b>Land Withdrawal Boundary</b>
45	<b>M&amp;OC</b>	<b>Management and Operating Contractor</b>
46	<b>M&amp;TE</b>	<b>measuring and test equipment</b>

1	MB	marker bed
2	<b>MCS</b>	<b>Mobile Characterization Systems</b>
3	<b>MDC</b>	<b>Minimal Detectable Concentration</b>
4	MDL	minimum detection level
5	MgO	magnesium oxide
6	<b>MIP</b>	<b>Monitoring Implementation Plan</b>
7	MIT	Massachusetts Institute of Technology
8	<b>MOA</b>	<b>Memorandum of Agreement</b>
9	MOU	memorandum of understanding
10	MP	management procedure
11	<b>MPCC</b>	<b>multipurpose crate counter</b>
12	<b>MPI</b>	<b>Mississippi Potash Inc.</b>
13	MREs	Measures of Relative Effectiveness
14	<b>MSD</b>	<b>matrix spike duplicate</b>
15	<b>MSGP</b>	<b>Multi-Sector General Permit</b>
16	MSL	mean sea level
17	<b>MSP</b>	<b>matrix spike</b>
18	<b>MTHM</b>	<b>metric tons heavy metal</b>
19	MURR	University of Missouri Research Center
20	<b>Na</b>	<b>sodium</b>
21	NAGRA	National Cooperative for the Storage of Radioactive Waste
22	NAS	National Academy of Sciences
23	NBPR	Natural Barriers Peer Review
24	NDA	nondestructive assay
25	NDE	nondestructive examination
26	NEA	Nuclear Energy Agency
27	NEPA	National Environmental Policy Act
28	NHPA	<del>Natural</del> <b>National</b> Historic Preservation Act
29	<b>Ni</b>	<b>nickel</b>
30	NIREX	UK Nuclear Industry Radioactive Waste Executive
31	NIST	National Institute of Standards and Technology
32	NMAC	New Mexico Administrative Code
33	NMBMMR	New Mexico Bureau of Mines and Mineral Resources
34	NMD	no-migration determination
35	NMDG&F	New Mexico Department of Game and Fish
36	NMED	New Mexico Environment Department
37	NMERI	New Mexico Engineering Research Institute
38	<b>NMMA</b>	<b>nuclear material management area</b>
39	<b>NMOCD</b>	<b>New Mexico Oil Conservation Division</b>
40	NON-PA SES	nonperformance assessment scientific and engineering software
41	<b>NORM</b>	<b>naturally occurring radioactive material</b>
42	<b>Np</b>	<b>Neptunium</b>
43	<b>NP</b>	<b>nuclear waste management QA procedure</b>
44	<b>NPDES</b>	<b>National Pollutant Discharge Elimination System</b>
45	NQA	nuclear quality assurance
46	NRC	Nuclear Regulatory Commission

1	NTP	National TRU Program
2	NTS	Nevada Test Site
3	<i><b>NUTS</b></i>	<i><b>Nuclide Transport System</b></i>
4	<i><b>NWMP</b></i>	<i><b>Nuclear Waste Management Program</b></i>
5	<i><b>OCA</b></i>	<i><b>Office of Cultural Affairs</b></i>
6	<del>OCDD</del>	<del>Oil Conservation Division</del>
7	OECD	Organization for Economic Cooperation and Development
8	<i><b>OJT</b></i>	<i><b>on-the-job training</b></i>
9	ORC	Office of Regulatory Compliance
10	ORNL	Oak Ridge National Laboratory
11	<i><b>OSR</b></i>	<i><b>Off-Site Source Recovery</b></i>
12	OSW	Office of Solid Waste
13	PA	performance assessment
14	PA Non-SES	performance assessment nonscientific and engineering software
15	PA SES	performance assessment scientific and engineering software
16	<i><b>PAN</b></i>	<i><b>Passive-Active Neutron</b></i>
17	PAPRP	Performance Assessment Peer Review Panel
18	PART	Performance Assessment Review Team
19	<i><b>PAVT</b></i>	<i><b>Performance Assessment Verification Test</b></i>
20	<i><b>Pb</b></i>	<i><b>lead</b></i>
21	<i><b>PCB</b></i>	<i><b>polychlorinated biphenyl</b></i>
22	<i><b>Pd</b></i>	<i><b>palladium</b></i>
23	<i><b>PDF</b></i>	<i><b>probability distribution function</b></i>
24	PDP	Performance Demonstration Program
25	<i><b>PE</b></i>	<i><b>protective equipment</b></i>
26	<i><b>PFPP</b></i>	<i><b>Plutonium Finishing Plant</b></i>
27	PGDP	Paducah Gaseous Diffusion Plant
28	<i><b>PIC</b></i>	<i><b>Passive Institutional Controls</b></i>
29	PMP	probable maximum precipitation
30	<i><b>PRMP</b></i>	<i><b>Peer Review Management Plan</b></i>
31	PTF	passive institutional controls task force
32	<i><b>P-TGS</b></i>	<i><b>portable-tomographic gamma scanner</b></i>
33	<i><b>Pu</b></i>	<i><b>plutonium</b></i>
34	<i><b>PZ</b></i>	<i><b>piezometer</b></i>
35	QA	quality assurance
36	QAI	Quality Assurance Instruction
37	QAO	quality assurance objective
38	QAP	Quality Assurance Procedure
39	QAPD	Quality Assurance Program Document (CAO)
40	<i><b>QAPjP</b></i>	<i><b>Quality Assurance Project Plan</b></i>
41	<i><b>QAPP</b></i>	<i><b>Quality Assurance Program Plan</b></i>
42	<i><b>QC</b></i>	<i><b>quality control</b></i>
43	QED	qualification of existing data
44	R&D	research and development
45	<i><b>Ra</b></i>	<i><b>radium</b></i>
46	RBP	Radiological Baseline Program

1	RCRA	Resource Conservation and Recovery Act
2	RFETS	Rocky Flats Environmental Technology Site
3	RH	Remote-Handled
4	<b>ROR</b>	<b><i>rest of repository</i></b>
5	<b>RP</b>	<b><i>review panel</i></b>
6	<b>RPD</b>	<b><i>relative percent difference</i></b>
7	<b>RRF</b>	<b><i>risk-reduction factor</i></b>
8	RSD	relative standard deviations
9	<b>RSI</b>	<b><i>Institute for Regulatory Science</i></b>
10	<b>RTC</b>	<b><i>Response to Comments Document</i></b>
11	RTR	real-time radiography
12	<b>SA</b>	<b><i>Scientific Advisor</i></b>
13	SAR	Safety Analysis Report
14	SARP	Safety Analysis Report for Packaging
15	SCMS	Software Configuration Management System
16	<b>SDWA</b>	<b><i>Safe Drinking Water Act</i></b>
17	SEIS	Supplemental Environmental Impact Statement
18	<b>SGRS</b>	<b><i>SWEPP gamma-ray spectrometer</i></b>
19	<b>SGS</b>	<b><i>segmented gamma scanner</i></b>
20	SHPO	State Historic Preservation Officer
21	SHS	salt-handling shaft
22	SKB	SKI & Swedish Nuclear Fuel and Waste Management Company
23	SKI	<i>Statens Kärnkraftinspektion</i>
24	<b>SLB</b>	<b><i>standard large box</i></b>
25	SMC	Salado Mass Concrete
26	<b>SMP</b>	<b><i>Subsidence Monitoring Program</i></b>
27	SNL	Sandia National Laboratories
28	<b>SNM</b>	<b><i>special nuclear material</i></b>
29	SO-C	regulatory consequence
30	SOP	standard operating procedure
31	SO-P	regulatory probability
32	SO-R	regulatory exclusions
33	SPDV	Site and Preliminary Design Validation
34	<b>SPE</b>	<b><i>Society of Petroleum Engineers</i></b>
35	SPRU	<del>Special</del> <b><i>Separations</i></b> Process Research Unit
36	SQS	small-quantity site
37	<b>Sr</b>	<b><i>strontium</i></b>
38	SRS	Savannah River Site
39	<b>SVOC</b>	<b><i>semi-volatile organic compound</i></b>
40	SWB	standard waste box
41	SWCF	Sandia WIPP Central Files
42	<b>SWEPP</b>	<b><i>Stored Waste Examination Pilot Plant</i></b>
43	SWTS	Standard Waste Treatment System
44	<b>T</b>	<b><i>transmissivity</i></b>
45	TB	Teledyne Brown Engineering
46	<b>TBM</b>	<b><i>Technical Baseline Migration</i></b>



1	TCP/IP	Transmission Control Protocol/Internet Protocol
2	TDD	Technology Development Description
3	TDEM	time-domain electromagnetic
4	<b><i>TDOP</i></b>	<b><i>Ten Drum Overpack</i></b>
5	TDS	total dissolved solids
6	<b><i>Th</i></b>	<b><i>thorium</i></b>
7	<b><i>TMU</i></b>	<b><i>total measurement uncertainties</i></b>
8	TOB	Technical Oversight Board
9	TP	Team Procedure
10	<b><i>TRAMPAC</i></b>	<b><i>TRUPACT-II Authorized Methods for Payload Control</i></b>
11	<b><i>TRIPS</i></b>	<b><i>Transuranic Reporting, Inventory, and Processing System</i></b>
12	TRU	transuranic
13	TRUPACT	Transuranic Package Transporter
14	TSG	Technical Support Group
15	<b><i>TSMT</i></b>	<b><i>Tri-State Motor Transit</i></b>
16	TSP	total suspended particulate
17	<b><i>TSR</i></b>	<b><i>technical safety requirements</i></b>
18	<b><i>TWBID</i></b>	<b><i>Transuranic Waste Baseline Inventory Database</i></b>
19	TWBIR	Transuranic Waste Baseline Inventory Report
20	<b><i>TWCP</i></b>	<b><i>TRU Waste Characterization Project</i></b>
21	TZ	transition zone
22	<b><i>UCL</i></b>	<b><i>upper confidence limit</i></b>
23	UNM	University of New Mexico
24	UP	undisturbed performance
25	USAMC	U.S. Army Material Command
26	USDW	underground source of drinking water
27	USGS	United States Geological Survey
28	<b><i>UVP/ENRESA</i></b>	<b><i>Universidad del País Vasco/Enresa Nacional de Residuos Radicativos S.A.</i></b>
29	<b><i>V&amp;V</i></b>	<b><i>verification and validation</i></b>
30	VCMP	VOC Confirmatory Monitoring Plan
31	<b><i>VE</i></b>	<b><i>visual examination</i></b>
32	VOC	volatile organic compound
33	<b><i>VSP</i></b>	<b><i>Vertical Seismic Profiling</i></b>
34	WAC	Waste Acceptance Criteria
35	<b><i>WAGS</i></b>	<b><i>Waste Assay Gamma Ray Spectrometer</i></b>
36	WAP	Waste Analysis Plan
37	<b><i>WCPIP</i></b>	<b><i>Waste Characterization Program Implementation Plan</i></b>
38	WCPR	Waste Characterization Peer Review
39	<b><i>WCRR</i></b>	<b><i>Waste Characterization, Reduction, and Repackaging (facility)</i></b>
40	<b><i>WEMS</i></b>	<b><i>Waste and Environmental Management System</i></b>
41	WERC	Waste-Management Education and Research Consortium
42	WFDR	Waste Form and Disposal Room
43	WG	weapons grade
44	WID	Westinghouse Waste Isolation Division
45	WIPP	Waste Isolation Pilot Plant
46	<b><i>WLMP</i></b>	<b><i>Water Level Monitoring Plan</i></b>



1	WMC	waste matrix code
2	WMP	waste material parameter
3	WP	WIPP procedure
4	WQSP	Water Quality Sampling Program
5	WRAC	Waste Removal After Closure
6	<i>WSPF</i>	<i>Waste Stream Profile Form</i>
7	<i>WTS</i>	<i>Washington TRU Solutions</i>
8	<i>WUF</i>	<i>waste unit factor</i>
9	<i>WVDP</i>	<i>West Valley Demonstration Project</i>
10	WWIS	WIPP Waste Information System
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