

1

## ACRONYMS AND ABBREVIATIONS

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	AIC	Active Institutional Controls
11	AIS	air intake shaft
12	AK	acceptable knowledge
13	Al	aluminum
14	ALARA	as low as reasonably achievable
15	Am	americium
16	amsl	above mean sea level
17	AMWTF	Advanced Mixed Waste Treatment Facility
18	AMWTP	Advanced Mixed Waste Treatment Project
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	ARCO	ARCO Medical Products Company
25	ASER	Annual Site Environmental Report
26	ASME	American Society of Mechanical Engineers
27	ASTM	American Society for Testing Materials
28	B&W-NES	Babcock & Wilcox-Nuclear Engineering Services
29	BAB	butyric acid bacteria
30	BAPL	Bettis Atomic Power Laboratory
31	BCL	Battelle Columbus Laboratories
32	BCLDP	Battelle Columbus Laboratories Decommissioning Project
33	BGR	Bundesanstalt für Geowissenschaften und Rohstoffe
34	BIR	Baseline Inventory Report
35	BLM	U.S. Bureau of Land Management
36	BMP	Best Management Practice
37	BNL	Brookhaven National Laboratory
38	BP	branch procedure
39	BRAGFLO	brine and gas flow
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	CARD	Compliance Application Review Document
2	CAST	CAST Transportation, Inc.
3	CB	Cabin Baby
4	CBFO	Carlsbad Field Office (DOE)
5	CBP	Central Basin Platform
6	CCA	Compliance Certification Application
7	CCDF	complementary cumulative distribution function
8	CCP	Central Characterization Project
9	CDA	corrected during the audit
10	CDF	cumulative distribution function
11	CDR	Conceptual Design Report
12	CEMRC	Carlsbad Environmental Monitoring and Research Center
13	Cf	californium
14	CFR	Code of Federal Regulations
15	CH	Contact-Handled
16	Ci	curie
17	Cm	curium
18	CMM	Coordinate Measurement Machine
19	CMP	Compliance Monitoring Plan
20	CMPR	Conceptual Model Peer Review
21	CMPRP	Conceptual Models Peer Review Panel
22	CMUG	Conceptual Model Uncertainty Group
23	Co	cobalt
24	CO <sub>2</sub>	carbon dioxide
25	COMP	compliance monitoring parameter
26	CPR	cellulosic, plastic, and rubber
27	CRA	Compliance Recertification Application
28	Cs	cesium
29	CTAC	Carlsbad Field Office Technical Assistance Contractor
30	CTEN	Combined Thermal-Epithermal Neutron
31	CU	Culebra unit
32	D&D	decontamination and decommissioning
33	D/H	deuterium/hydrogen
34	DA	Data Administrator
35	DAC	Drum Age Criteria
36	DAM	Design Analysis Model
37	DAS	data acquisition software
38	DBDSP	Delaware Basin Drilling Surveillance Program
39	DBE	Design Basis Earthquake
40	DBT	Design Basis Tornado
41	DCCA	Draft Compliance Certification Application
42	DDZ	Drilling Damage Zone
43	DEIS	Draft Environmental Impact Statement
44	DFR	driving force ratio
45	DNAG	Decade of North American Geology
46	DOE	U.S. Department of Energy

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

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

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

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

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

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

1	WP	WIPP procedure
2	WQSP	Water Quality Sampling Program
3	WRAC	Waste Removal After Closure
4	WSPF	Waste Stream Profile Form
5	WTS	Washington TRU Solutions
6	WUF	waste unit factor
7	WVDP	West Valley Demonstration Project
8	WWIS	WIPP Waste Information System

1

This page intentionally left blank