

ABBREVIATIONS AND ACRONYMS

ABD	Accelerated Basin De-inventory
AEA	Atomic Energy Act
AMCAP	Augmented Monitoring and Condition Assessment Program
ANA	advanced neutron absorber
AoA	analysis of alternatives
ASNF	aluminum-clad spent nuclear fuel
ASNF-NA	aluminum-clad spent nuclear fuel with non-aluminum components
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing Materials
ATR	Advanced Test Reactor
CBS	consent-based siting
CCIM	cold crucible induction melter
CD	critical decision
CFD	computational fluid dynamics
CFR	Code of Federal Regulations
CISCC	chloride-induced stress corrosion cracking
CISF	consolidated interim storage facility
CoC	certificate of compliance
COD	crack opening displacement
CPP	Chemical Processing Plant
DGR	deep geologic repository
DOE	U.S. Department of Energy
DOESC	DOE standard canister
DOE-EM	U.S. Department of Energy Office of Environmental Management
DOE-ID	U.S. Department of Energy Idaho Operations Office
DOE-NE	U.S. Department of Energy Office of Nuclear Energy
DRR	domestic research reactor
DSC	DOE standard canister
DUO	depleted uranium oxide
DWPF	Defense Waste Processing Facility
EBR-II	Experimental Breeder Reactor 2
EBS	expanded basin storage
ED	electrolytic dissolver
EM	Office of Environmental Management, U.S. Department of Energy
ERR	Elk River Reactor
FAC	failure assessment curve
FAD	failure assessment diagram
FCA	Fast Criticality Assembly
FCF	Fuel Conditioning Facility
FEA	finite element analysis
FFTF	Fast Flux Test Reactor
FHD	forced-helium dehydration
FRR	foreign research reactor
FSV	Fort St. Vrain

GC	Office of General Counsel, U.S. Department of Energy
HCA	H-Canyon
HFBR	High Flux Beam Reactor
HFEF	Hot Fuel Examination Facility
HFIR	High Flux Isotope Reactor
HLW	high-level radioactive waste
ICP	Idaho Cleanup Project
ID	State of Idaho
IEC	Idaho Environmental Coalition
IFSF	Irradiated Fuel Storage Facility
INL	Idaho National Laboratory
INTEC	Idaho Nuclear Technology and Engineering Center
ISA	Idaho Settlement Agreement
ISFP	Idaho Spent Fuel Packaging facility
ISFSI	independent spent fuel storage installation
ITRs	independent technical reviews
LEF	L-Area Experimental Facility
LEU	low-enriched uranium
LWBR	light water breeder reactor
M&S	modeling and simulation
MCO	multi-canister overpack
MFC	Materials and Fuel Complex
MIT	Massachusetts Institute of Technology
MMC	mobile melt and consolidate
MNS	mission need statement
MPC	multi-purpose canister
MTHM	metric ton of heavy metal
MTR	material test reactor
MURR	University of Missouri Research Reactor
NASNF	non-aluminum spent nuclear fuel
NE	Office of Nuclear Energy, U.S. Department of Energy
NEPA	National Environmental Policy Act
NEUP	Nuclear Energy University Program
NIST	National Institute of Standards and Technology
NM	Office of Nuclear Materials, DOE-EM
NNPP	Naval Nuclear Propulsion Program
NQA	nuclear quality assurance
NRC	U.S. Nuclear Regulatory Commission
NRF	Naval Reactors Facility
NUHOMS	nuclear horizontal modular storage
NWTRB	U.S. Nuclear Waste Technical Review Board
OCRWM	U.S. Department of Energy Office of Civilian Radioactive Waste Management
PCS	permanent containment structure
PIE	post-irradiation evaluation
PPD	package performance demonstration
PWR	pressurized water reactor

R&D	research and development
RCMS	remote canister monitoring system
RHF	Réacteur à Haut Flux
ROD	record of decision
RRDP	Road-Ready Demonstration Project
RRDS	Road-Ready Dry Storage
RS	residual stress
RSWF	Radioactive Scrap and Waste Facility
SB	sludge batch
SBIR	Small Business Innovation Research
SCC	stress corrosion cracking
SFP	Spent Fuel Project
SNF	spent nuclear fuel
SNFWG	DOE Spent Nuclear Fuel Working Group
SNM	special nuclear material
SPR	Single Pass Reactor
SRMC	Savannah River Mission Completion
SRNL	Savannah River National Laboratory
SRNS	Savannah River Nuclear Solutions
SRS	Savannah River Site
SWPF	Salt Waste Processing Facility
TAD	Transportation, Aging, and Disposal
TBD	to be determined
TD	Office of Technology Development, DOE-EM
TF	tank farm
TMI-2	Three Mile Island Unit 2
TO	Technology Operations
TOC	total organic carbon
TRIGA [®]	Training, Research, Isotopes, General Atomics (a type of nuclear research reactor)
TSR	Tower Shield Reactor
VTS	vertical tube storage
V&V	validation and verification