Appendix E: Acronym and Abbreviation List

Acronym	Definition
3D	Three Dimensional
ABWR	Advanced Boiling Water Reactor
ANS	American Nuclear Society
AOO	Anticipated Operational Occurrence
ATWS	Anticipated Transient Without SCRAM
BOC	Beginning of Cycle
BWR	Boiling Water Reactor
CLTP	Currently Licensed Thermal Power
CPR	Critical Power Ratio
COLR	Core Operating Limit Report
CRDA	Control Rod Drop Accident
CSAU	Code Scaling Applicability and Uncertainty
CSHT	Core Spray Heat Transfer
ΔCPR	Transient Change in Critical Power Ratio
DIF3D	Argonne National Laboratory Fine Mesh Three Dimensional Diffusion Code
DW	Dry Well
EBWR	Experimental Boiling Water Reactor
ECCS	Emergency Core Cooling System
ECP	Engineering Computer Program
EFPY	Effective Full Power Year
ENDF	Evaluated Nuclear Data File
EOC	End of Cycle
EPU	Extended Power Uprate
ESBWR	GEH Passive, Natural Circulation BWR Design
FDMH	Fraction of Direct Moderator Heat
FRAPCON	Pacific Northwest National Laboratory Fuel Thermal Mechanical Code
FRIGG	Full Scale Bundle Test Facility
FWCF	Feedwater Flow Controller Failure to Maximum Demand
GDC	General Design Criterion
GDCS	Gravity Driven Cooling System
GE	General Electric
GEH	General Electric - Hitachi
GESTAR	General Electric Standard Application for Reactor Fuel
GEXL	GE Critical Quality Boiling Length Correlation
GHNEA	General Electric Hitachi Nuclear Energy Americas
GNF	Global Nuclear Fuels
GSTRM	GE Fuel Thermal Mechanical Code
HBB	Hard Bottom Burn
HFCL	High Flow Control Line
ICF	Increased Core Flow
ICPR	Initial Critical Power Ratio
ICS	Isolation Condenser System
INEL	Idaho National Laboratory
K5	Kashiwazaki-Kariwa Unit 5

Acronym	Definition
K6	Kashiwazaki-Kariwa Unit 6
KKM	Muhleberg
KSP	Kuhn-Schrock-Peterson
Level 2	GNF designation for highest degree of quality assurance
LFWH	Loss of Feedwater Heating
LHGR	Linear Heat Generation Rate
LOCA	Loss of Coolant Accident
LOFW	Loss of Feedwater
LTPL	Licensed Thermal Power Line
LTR	Licensing Topical Report
LWR	Light Water Reactor
MCNP	Monte Carlo N Particle
MCPR	Minimum Critical Power Ratio
MELLLA	Maximum Extended Load Line Limit Analysis
MELLLA+	Maximum Extended Load Line Limit Analysis Plus
MEOD	Maximum Extended Operating Domain
MFLPD	Maximum Fraction of Limiting Power Density
MLHGR	Maximum Linear Heat Generation Rate
MOC	Middle of Cycle
MOP	Mechanical Overpower
MOX	Mixed Oxide
MSIVC	Main Steam Isolation Valve Closure
MSIVF	Main Steam Isolation Valve Closure with Flux SCRAM
MSL	Main Steam Line
NITER	PANACEA mode identification
ODYN	GHNEA Transient Analysis Code
OLMCPR	Operating Limit Minimum Critical Power Ratio
OLTP	Originally Licensed Thermal Power
ORIGEN	Oak Ride National Laboratory One Dimensional Depletion Code
P#	PANAC#
P4B	Four Bundle Power
PANAC	Three dimensional BWR core simulator
PANACEA	Three dimensional BWR core simulator
PANDA	small-scale 30 tube ESBWR passive containment core cooling system test
PANTHERS	a full-scale prototype of the ESBWR ICS and a near-full scale PCCS test
PB	Peach Bottom
PCCS	Passive Containment Cooling System
PCT	Peak Cladding Temperature
PIRT	Phenomena Identification and Ranking Table
PRIME	GHNEA Fuel Thermal Mechanical Code
RAI	Request for Additional Information
RCF	Rated Core Flow
RCS	Reactor Coolant System
RELAP	Idaho National Laboratory Transient Analysis Code
RETRAN	Electric Power Research Institute Transient Analysis Code
RFCF	Recirculation Flow Controller Failure
RG	Regulatory Guide

Acronym	Definition
RMS	Root Mean Square
RPV	Reactor Pressure Vessel
RTP	Rated Thermal Power
SAFDL	Specified Acceptable Fuel Design Limit
SAFER	GE Loss of Coolant Accident Analysis Code
SBWR	Simplified Boiling Water Reactor
SER	Safety Evaluation Report
SLCS	Standby Liquid Control System
SLMCPR	Safety Limit Minimum Critical Power Ratio
SPERT	Special Power Reactor Test
SPU	Stretch Power Uprate
SRLR	Supplemental Reload Licensing Report
SRP	Standard Review Plan
SRV	Safety Relief Valve
T#	TGBLA#
TEE	TRACG component
TGBLA	Toshiba-General Electric Bundle Lattice Analysis Code
TIP	Traversing In-core Probe
TLTA	Two Loop Test Apparatus
T-M	Thermal-Mechanical
TMI	Three Mile Island
TOP	Thermal Overpower
TRACG	GHNEA Transient Analysis Code
TS	Technical Specifications
TT	Turbine Trip
TTNB	Turbine Trip with No Bypass
TVAPS	Transient Varying Axial Power Shape
UB	Under Burn
VS	Vierow-Schrock
WW	Wet Well