

1.3 Legend for Figures and Acronyms and Abbreviations

Acronyms and abbreviations are provided in Table 1.3-1—Abbreviations and Acronyms List.

The legend for Tier 1 figures for the U.S. EPR is provided in Figure 1.3-1—Functional Arrangement Symbol Legend.

**Table 1.3-1—Abbreviations and Acronyms List
(8 Sheets)**

Term	Definition
10 CFR	Title 10, Code of Federal Regulations
12UPS	12-Hour Uninterruptible Power Supply System
AAC	Alternate AC Source
ac	Alternating Current
AC	Acceptance Criteria
ACB	Access Building
AL	Analytical Limit
ALARA	As Low As Reasonably Achievable
AOO	Anticipated Operational Occurrence
ASME	American Society of Mechanical Engineers
AST	Alternate Source Term
AUX	Auxiliary
AV	Allowable Value
AVS	Annulus Ventilation System
AWG	American Wire Gauge
BA	Boric Acid
B&PV	Boiler and Pressure Vessel
BDDE	Beyond Design Basis Events
BOP	Balance of Plant
BTU	British Thermal Unit
CAV	Cumulative Absolute Velocity
CBVS	Containment Building Ventilation System
CCWS	Component Cooling Water System
CDM	Certified Design Material
CDS	Coolant Degasification System
CGCS	Combustible Gas Control System
CIDS	Containment Inflating / Deflating Subsystem
CLES	Containment Leakage Exhaust System
CLTS	Containment Leaktightness Test Subsystem
COL	Combined License
CPS	Coolant Purification System
CRACS	Control Room Air Conditioning System
CRAVS	Control Room Area Ventilation System

**Table 1.3-1—Abbreviations and Acronyms List
(8 Sheets)**

Term	Definition
CRD	Control Rod Drive
CRDM	Control Rod Drive Mechanism
CRE	Control Room Envelope
CRH	Control Room Habitability
CS	Condensate System
CS/RS	Conventional Seismic/Radwaste Seismic
CSSS	Coolant Supply and Storage System
CTS	Coolant Treatment System
CVCS	Chemical and Volume Control System
DAC	Design Acceptance Criteria
DAS	Diverse Actuation System
DBA	Design Basis Accident
DBE	Design Basis Event
dc	Direct Current
DEG	Degree
DEMIN	Demineralizer
DIV	Division
dPT	Differential Pressure Transmitter
D-RAP	Design Reliability Assurance Program
DS	Decontamination System
DVS	Drain & Vent system
EAB	Exclusion Area Boundary
EAT	Emergency Auxiliary Transformer
EBS	Extra Borating System
ECCS	Emergency Core Cooling System
EDG	Emergency Diesel Generator
EDGB	Emergency Diesel Generator Building
EFWS	Emergency Feedwater System
EHV	Extra High Voltage
EMI	Electromagnetic Interference
EPGB	Emergency Power Generating Building
EPGBVS	Emergency Power Generating Building Ventilation System
EPSS	Emergency Power Supply System

**Table 1.3-1—Abbreviations and Acronyms List
(8 Sheets)**

Term	Definition
EQ	Environmental Qualification
EQUIP	Equipment
ESD	Electrostatic Discharge
ESF	Emergency Safety Features
ESW	Essential Service Water
ESWS	Essential Service Water System
EUPS	Class 1E Uninterruptible Power Supply System
FB	Fuel Building
FBVS	Fuel Building Ventilation System
FHA	Fuel Handling Accident
FPCS	Fuel Pool Cooling System
FPPS	Fuel Pool Purification System
FPS	Fire Protection System
FSAR	Final Safety Analysis Report
ft	Feet
FTS	Fuel Transfer System
FWDS	Fire Water Distribution System
FWLB	Feedwater Line Break
GC	Gas Chromatography
GDC	General Design Criteria
GL	Generic Letter
gpm	Gallons per Minute
GWPS	Gaseous Waste Processing System
H ₂	Hydrogen
HCMS	Hydrogen Control Monitoring System
HDVS	Heater Drain and Vent System
HELB	High Energy Line Break
HFE	Human Factors Engineering
HMI	Human Machine Interface
HP	High Pressure
hr	Hour
HVAC	Heating, Ventilation and Air Conditioning
HX	Heat Exchanger

**Table 1.3-1—Abbreviations and Acronyms List
(8 Sheets)**

Term	Definition
Hz	Hertz
I&C	Instrumentation and Control
ICP	Inductively Coupled Plasma
IDS	Class 1E dc and Uninterruptible Power Supply System
IEB	Inspection and Enforcement Bulletin
IEEE	Institute of Electrical and Electronic Engineers
ILRT	Integrated Leak Rate Test
in	Inches
IP	Intermediate Pressure
IRWST	In-containment Refueling Water Storage Tank
ISI	Inservice Inspection
IST	Inservice Testing
ITA	Inspections, Tests, or Analyses
ITAAC	Inspections, Tests, Analyses, and Acceptance Criteria
ITP	Initial Test Program
LBB	Leak Before Break
LCO	Limiting Condition for Operation
LGT	Lighting and Small Power System
LHSI	Low Head Safety Injection
LLRT	Local Leak Rate Test
LOCA	Loss of Coolant Accident
LOOP	Loss of Offsite Power
LOS	Leak Off System
LP	Low Pressure
LWPS	Liquid Waste Processing System
LWSPS	Liquid Waste Storage and Processing System
LWSS	Liquid Waste Storage System
Mbtu	Million British Thermal Units
MCC	Motor Control Center
MCR	Main Control Room
MFWS	Main Feedwater System
MHSI	Medium Head Safety Injection
MISC	Miscellaneous

**Table 1.3-1—Abbreviations and Acronyms List
(8 Sheets)**

Term	Definition
MOV	Motor Operated Valve
MS	Mass Spectrometry
MSIV	Main Steam Isolation Valve
MSVS	Main Steam Valve Station
MSU	Main Setup Transformer
MW	Megawatt
N/A	Not Applicable
NAB	Nuclear Auxiliary Building
NABVS	Nuclear Auxiliary Building Ventilation System
NAT	Normal Auxiliary Transformer
NDC	Non-Class 1E DC Power System
NDE	Nondestructive Examination
NEMA	National Electrical Manufactures Association
NI	Nuclear Island
NIDVS	Nuclear Island Drain and Vent System
NPSH	Net Positive Suction Head
NPSS	Normal Power Supply System
NSC	Non-Seismic
NSS	Nuclear Sampling System
NUPS	Non-Class 1E Uninterruptible Power Supply System
OCWS	Operational Chilled Water System
OCWSTI	Operational Chilled Water System Turbine Island
O&M	Operation and Maintenance
OBE	Operating Basis Earthquake
OLTC	On-Load Tap Changer
OOS	Out of Service
P&ID	Process and Instrumentation Diagram
PACS	Priority Actuator Control System
PAR	Passive Autocatalytic Recombiner
PAS	Process Automation System
PCV	Primary Containment Vessel
PCIS	Passive Containment Isolation Signal
PDS	Primary Depressurization System

**Table 1.3-1—Abbreviations and Acronyms List
(8 Sheets)**

Term	Definition
PFAS	Plant Fire Alarm System
pH	Potential of Hydrogen
PICS	Process Information and Control System
PPS	Preferred Power Supply
PRA	Probabilistic Risk Assessment
PRT	Pressurizer Relief Tank
PS	Protection System
psia	Pounds per Square Inch Absolute
psig	Pounds per Square Inch Gauge
PSWS	Plant Service Water System
PWR	Pressurized Water Reactor
QA	Quality Assurance
RAT	Reserve Auxiliary Transformer
RB	Reactor Building
RBA	Reactor Building Annulus
RBIS	Reactor Building Internal Structures
RBWMS	Reactor Boron and Water Makeup System
RCB	Reactor Containment Building
RCDT	Reactor Coolant Drain Tank
RCP	Reactor Coolant Pump
RCPB	Reactor Coolant Pressure Boundary
RCS	Reactor Coolant System
RCSL	Reactor Control Surveillance and Limitation
REGEN	Regenerative
RFI	Radio Frequency Interference
RG	Regulatory Guide
RHRS	Residual Heat Removal System
RPV	Reactor Pressure Vessel
RSB	Reactor Shield Building
RSS	Remote Shutdown Station
RT	Reactor Trip
RTP	Reactor Thermal Power
RV	Reactor Vessel

**Table 1.3-1—Abbreviations and Acronyms List
(8 Sheets)**

Term	Definition
RWPB	Radioactive Waste Processing Building
RWPBVS	Radioactive Waste Processing Building Ventilation System
SA	Severe Accident
SAHRS	Severe Accident Heat Removal System
SASS	Severe Accident Sampling System
SB	Safeguard Building
SBO	Station Blackout
SBODG	Station Blackout Diesel Generator
SBVS	Safeguard Building Controlled-Area Ventilation System
SBVSE	Electrical Division of Safeguard Building Ventilation System
scf	Standard Cubic Feet
scfm	Standard Cubic Feet per Minute
SCWS	Safety Chilled Water System
SECSS	Secondary Sampling System
SEWS	Seal Water Supply System
SFP	Spent Fuel Pool
SG	Steam Generator
SGBDMS	Steam Generator Blowdown Demineralizing Main System
SGBS	Steam Generator Blowdown System
SGBD	Steam Generator Blow Down
SGTR	Steam Generator Tube Rupture
SICS	Safety Information and Control System
SIS	Safety Injection System
SLB	Steam Line Break
SMS	Seismic Monitoring System
SR	Surveillance Requirement
SRP	Standard Review Plan
SSCs	Structures, Systems, and Components
SSE	Safe Shutdown Earthquake
SWS	Solid Waste System
SWYD	Switchyard
TB	Turbine Building
TBV	Turbine Bypass Valve

**Table 1.3-1—Abbreviations and Acronyms List
(8 Sheets)**

Term	Definition
TBVS	Turbine Building Ventilation System
TCS	Turbine Control System
TCV	Turbine Control Valve
TEDE	Total Effective Dose Equivalent
TGI	Turbine Generator Island
TS	Technical Specification(s)
TSC	Technical Support Center
TSV	Turbine Stop Valve
UAT	Unit Auxiliary Transformer
UHS	Ultimate Heat Sink
UL	Underwriter's Laboratories Inc
UPS	Uninterruptible Power Supply
U.S. EPR	United States Evolutionary Power Reactor
V	Volt
Vac /VAC	Volts Alternating Current
VCT	Volume Control Tank
VCS	Volume Control System
Vdc/VDC	Volts Direct Current
VS	Vent Stack
WB	Waste Building
WTR	Water
XMFR	Transformer