

**St. Lucie Unit 2
Extended Power Uprate
Licensing Report**

**Attachment 5
Appendix D**

List of Key Acronyms

This coversheet plus 8 pages

LIST OF KEY ACRONYMS

Acronym	Description of Acronym
AAC	alternate AC
AC	alternating current
ADV	atmospheric dump valve
AFAS	auxiliary feedwater actuation system
AFW	auxiliary feedwater
ANC	Advanced Nodal Code
ANS	American Nuclear Society
AOO	anticipated operational occurrence
AOR	analysis of record
AOV	air operated valve
ART	adjusted reference temperature
ASGT	asymmetric steam generator transient
ASI	axial shape index
ASME	American Society of Mechanical Engineers
AST	alternative source term
ATWS	anticipated transient without scram
BAM	boric acid makeup
BAMT	boric acid makeup tank
BDAS	boron dilution alarm signal
BE	best estimate
BLPB	branch line pipe break
BOC	beginning of cycle
BOP	balance of plant
B&W	Babcock & Wilcox
CAFTA	computer aided fault tree analysis
CASS	cast austenitic stainless steel
CCW	component cooling water
CDF	core damage frequency
CEA	control element assembly
CEDM	control element drive mechanism
CEDMCS	control element drive mechanical control system
CEDS	control element drive system
CEOG	Combustion Engineering Owners' Group

LIST OF KEY ACRONYMS (Continued)

Acronym	Description of Acronym
CF	chemistry factor
CFC	containment fan cooler
CFS	condensate and feedwater systems
CIAS	containment isolation actuation signal
CLB	current licensing basis
CMTRs	certified materials test reports
COLR	Core Operating Limits Report
CPC	core protection calculator
CPU	central processing unit
CR	control room
CRAC	control room air conditioning
CRDM	control rod drive mechanism
CRVS	control room ventilation system
CS	containment spray
CSAS	containment spray actuation signal
CSB	core support barrel
CSP	core support plate
CST	condensate storage tank
CVCS	chemical and volume control system
CWS	circulating water system
DAFAS	diverse auxiliary feedwater actuation system
DBA	design basis accident
DBE	design basis earthquake
DC	direct current
DCS	distributed control system
DE	dose equivalent
DEDLS	double ended discharge leg slot
DEH	digital electro hydraulic
DEHLS	double ended hot leg slot
DESLS	double ended suction leg slot
DF	decontamination factor
DHR	decay heat removal
DNB	departure from nucleate boiling

LIST OF KEY ACRONYMS (Continued)

Acronym	Description of Acronym
DNBR	departure from nucleate boiling ratio
DP	differential pressure
DPC	doppler power coefficient
DSS	diverse scram system
DTT	diverse turbine trip
DWt	dead weight
EAB	exclusion area boundary
ECCS	emergency core cooling system
EDG	emergency diesel generator
EFPD	effective full power days
EFPH	effective full power hours
EFPY	effective full power years
EOB	end of blowdown
EOC	end of cycle
EOL	end of license
EOP	emergency operating procedure
EPU	extended power uprate
EPRI	Electric Power Research Institute
EQ	equipment qualification
ESF	engineered safety feature
ESFAS	engineered safety features actuation system
F&O	facts & observations
FFBT	failure of fast bus transfer
FHB	fuel handling building
FME	foreign material exclusion
FOI	fraction of initial
FON	fraction of nominal
FPL	Florida Power and Light
FPP	Fire Protection Program
FPPR	fire protection program report
FSAR	final safety analysis report
FW	feedwater
GWMS	gaseous waste management systems

LIST OF KEY ACRONYMS (Continued)

Acronym	Description of Acronym
HELB	high energy line break
HEPA	high-efficiency particulate air
HFP	hot full power
HP	high pressure
HPP	high pressurizer pressure
HPPT	high pressurizer pressure trip
HPSI	high pressure safety injection
HRA	human reliability analysis
HSCP	hot shutdown control panel
HSGDP	high steam generator differential pressure
HVAC	heating, ventilation and air conditioning
HX	heat exchanger
HZP	hot zero power
IASCC	irradiation assisted stress corrosion cracking
ICW	intake cooling water
IEEE	Institute of Electrical and Electronic Engineers
IGSCC	intergranular stress corrosion cracking
INEL	Idaho National Engineering Laboratory
INPO	Institute of Nuclear Power Operations
IOMSSV	inadvertent opening of a main steam safety valve
IPB	isolated phase bus
IRS	iodine removal system
ISI	inservice inspection
IST	inservice testing
LAR	license amendment request
LBB	leak before break
LBLOCA	large break loss-of-coolant accident
LCO	limiting condition for operation
LEFM	leading edge flow meter
LERF	large early release fraction
LHR	linear heat rate
LOCA	loss-of-coolant accident
LOOP	loss of offsite power

LIST OF KEY ACRONYMS (Continued)

Acronym	Description of Acronym
LP	low pressure
LPSI	low pressure safety injection
LPZ	low population zone
LR	licensing report
LSS	lower support structure
LST	lowest service temperature
LTC	long term cooling
LTOP	low temperature overpressure protection
LWMS	liquid waste management system
LWR	light water reactor
M&E	mass and energy
MAAP	modular accident analysis program
MCC	motor control center
MDC	moderator density coefficient
MEDP	maximum expected differential pressure
MFIV	main feedwater isolation valve
MFW	main feedwater
MG	motor generator
MMF	minimum measured flow
MOV	motor operated valve
MS	main steam
MSIS	main steam isolation signal
MSIV	main steam isolation valve
MSLB	main steam line break
MSR	moisture separator reheater
MSSV	main steam safety valve
MUR	measurement uncertainty recapture
MT	main transformer
MTC	moderator temperature coefficient
MWt	megawatts thermal
NEI	Nuclear Energy Institute
NI	nuclear instrumentation
NOP	normal operating pressure

LIST OF KEY ACRONYMS (Continued)

Acronym	Description of Acronym
NOT	normal operating temperature
NPSH	net positive suction head
NSSS	nuclear steam supply system
OBE	operating basis earthquake
ODCM	Offsite Dose Calculation Manual
OMS	overpressure mitigation system
ONP	off-normal operating procedure
OSG	original steam generator
OTC	once-through-cooling
P-T	pressure-temperature
PASS	post-accident sampling system
PCT	peak cladding temperature
PCWG	Performance Capability Working Group
P&ID	piping & instrumentation diagram
PLHR	peak linear heat rate
PLHGR	planar linear heat generation rate
PMH	probable maximum hurricane
PMP	probable maximum precipitation
PORV	power-operated relief valve
PRA	probabilistic risk assessment
PRT	pressurizer relief tank
PSL2	St. Lucie Unit 2
PSV	pressurizer safety valve
PT	potential transformer
PTS	pressurized thermal shock
PWR	pressurized water reactor
PWSCC	primary water stress corrosion cracking
PZR	pressurizer
QT	quench tank
RAB	reactor auxiliary building
RAI	request for additional information
RAS	recirculation actuation signal
RCP	reactor coolant pump

LIST OF KEY ACRONYMS (Continued)

Acronym	Description of Acronym
RCPB	reactor coolant pressure boundary
RCS	reactor coolant system
RHR	residual heat removal
RPS	reactor protection system
RPV	reactor pressure vessel
RRS	reactor regulating system
RSG	replacement steam generator
RSPT	reed switch position transmitter
RTP	rated thermal power
RV	reactor vessel
RVCH	reactor vessel closure head
RVI	reactor vessel internals
RWT	refueling water tank
SAFDL	specified acceptable fuel design limits
SBCS	steam bypass control system
SBLOCA	small break loss-of-coolant accident
SBO	station blackout
SBVS	shield building ventilation system
SCC	stress corrosion cracking
SDC	shutdown cooling
SDCHX	shutdown cooling heat exchanger
SDCS	shutdown cooling system
SDM	shutdown margin
SER	safety evaluation report
SG	steam generator
SGBD	steam generator blowdown system
SGTP	steam generator tube plugging
SI	safety injection
SIAS	safety injection actuation signal
SIS	safety injection system
SIT	safety injection tank
SJAE	steam jet air ejector
SRO	senior reactor operator

LIST OF KEY ACRONYMS (Continued)

Acronym	Description of Acronym
SRV	safety relief valve
SS	stainless steel
SSA	safe shutdown analysis
SSC	structures, systems and components
SSE	safe shutdown earthquake
SUT	startup transformer
T-H	thermal-hydraulic
TCW	turbine cooling water
TDAFW	turbine driven auxiliary feedwater
TGSCC	transgranular stress corrosion cracking
TLAA	time-limited aging analysis
TLOFW	total loss of feedwater
TLU	total loop uncertainty
TM/LP	thermal margin/low pressure
TSC	technical support center
TSP	thimble support plate
TS	technical specification
TSTF	Technical Specification Task Force
UAT	unit auxiliary transformer
UFSAR	updated final safety analysis report
UGS	upper guide structure
UHS	ultimate heat sink
USE	upper shelf energy
UT	ultrasonic testing
VCT	volume control tank
VHP	variable high power
VHPT	variable high power trip
WGDT	waste gas decay tank