APS

Scott A. Bauer
Department Leader
Regulatory Affairs
Palo Verde Nuclear
Generating Station

Tel 623/393-5978
Fax 623/393-5442
e-mail sbauer@apsc com

Mail Station 7636
P O Box 52034
Phoenix, AZ 85072-2034

10 CFR 50.59

102-04875-SAB/TNW/CJJ
December 20, 2002

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Station P1-37
Washington, DC 20555

Dear Sirs:

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Units 1, 2, & 3
Docket Nos. STN 50-528/529/530
10 CFR 50.59 Report (January-December 2001)

Pursuant to 10 CFR 50.59(d)(2), Arizona Public Service Company is submitting the enclosed report. In the past the 50.59 Report contained only the 50.59s that had been statused as having the evaluated action completed in the plant. The enclosed report contains all 50.59s that have been written in previous years, but the evaluated action may not have been completed in the plant. Future reports will contain all 50.59s written in the specified year, regardless of the status of the evaluated action. The enclosed report contains a brief description of the changes and a brief summary of the safety evaluation for each change.

No commitments are being made to the NRC by this letter. Should you have any questions, please contact Thomas N. Weber at (623) 393-5764.

Sincerely,

Scott A. Bauer

SAB/TNW/CJJ/kg

Enclosure

cc: E. W. Merschoff
J. N. Donohew
N. L. Salgado

IE47

ENCLOSURE

PALO VERDE NUCLEAR GENERATING STATION

ACRONYM/ABBREVIATION DEFINITION SHEET

AND

10 CFR 50.59 REPORT

JANUARY - DECEMBER 2001

Acronym/Abbreviation Definition Sheet

AC	Alternate Current
ADV	Atmospheric Dump Valve
BAMP	Boric Acid Makeup Pump
BDAS	Boron Dilution Alarm System
BOP	Balance of Plant
CD	Condensate
CEA	Control Element Assembly
CENTS	Combustion Engineering Nuclear Transient Simulation
COLSS	Core Operating Limit Supervisory System
CRACS	Chemical and Radiological Analysis Computer System
CRDR	Condition Report/Disposition Request
CS	Containment Spray
CTMT	Containment
CVCS	Chemical Volume Control System
CW	Circulation Water
DNBR	Departure from Nuclear Boiling Rate
DS	Domestic Water System
DW	Demineralized Water System
ED	Extraction Steam System
EDG	Emergency Diesel Generator
EQ	Equipment Qualification
ERFDADS	Emergency Response Facility Data Acquisition Data System
ESF	Engineered Safety Features
ESFAS	Engineered Safety Feature Actuation System
ESPS	Essential Spray Pond System
EW	Essential Cooling Water
FAC	Flow Accelerated Corrosion
HPSI	High Pressure Safety Injection
HVAC	Heating, Ventilation, Air Conditioning
IA	Instrument Air
ICI	In-Core Instrumentation
ISFSI	Independent Spent Fuel Storage Installation
ISI	In-Service Inspection
LBLOCA	Large Break Loss-of-Coolant Accident
LDCR	Licensing Document Change Request
LLRT	Local Leak Rate Test
LPSI	Low Pressure Safety Injection
MNSA	Mechanical Nozzle Seal Assembly
MSFIS	Main Steam and Feedwater Isolation System
MSSS	Main Steam Support Structure
NC	Nuclear Cooling Water System
PA	Protected Area
PASS	Post Accident Sampling System
PLHGR	Peak Linear Heat Generation Heat Rate
PPS	Plant Protection System
PREACS	Pump Room Exhaust Air Cleanup System
PU	Power Uprate
PVNGS	Palo Verde Nuclear Generating Station
RCP	Reactor Coolant Pump
RCS	Reactor Coolant System
RDT	Reactor Drain Tank
RMWP	Reactor Makeup Water Pump
RSG	Replacement Steam Generator
RTD	Resistance Thermal Detection
RWT	Refueling Water Tank
SDC	Shutdown Cooling
SESS	Safety Equipment Status System
SFP	Spent Fuel Pool
SGR	Steam Generator Replacement
SM	Seismic Monitoring System
SRM	Startup Range Monitors
STP	Sewage Treatment Plan
TMOD	Temporary Modification
TRH	Temporary Reactor Head
TRM	Technical Requirements Manual
TSP	Tri-Sodium Phosphate
UFM	Ultrasonic Flow Measurement
UGSLR	Upper Guide Structure Lift Rig

Log Number	Doc Type	Doc Number	Description	Summary
95-00066	ENG	216569	This modification deleted the snubbers and replaced them with rigid supports, deleted a rigid strut, and re-enforced supports on ESF pump suction lines in the Safety Injection system from containment penetration to the low pressure safety injection (LPSI) pump, high pressure safety injection (HPSI) pump, and containment spray (CS) pump suction nozzles.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
95-00194	ENG	216939	This modification implemented a snubber reduction for the B ESF pump suction which included deleting, replacing and re-enforcing various components (snubbers).	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
95-00269	ENG	217327	This modification removed the handjack assembly for valves CHBUV0515 & 16 and replaced the handjack assembly on valve CHBUV0523.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
95-00323	ENG	Various	These modifications installed temperature monitors in each unit. The purpose of these monitors was to obtain actual temperature data for equipment within the 10CFR 50.49 EQ Program and to be used to more accurately determine their qualified lives.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
96-00219	ENG	218210	The purpose of this modification was to implement a change to the Upper Guide Structure Lift Rig (UGSLR) guide pin bushings that has been developed and justified by the Vendor, ABB/CE; and has been reviewed and approved by PVNGS Engineering.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
96-00221	ENG	217943	This modification provided the new stud design for the steam generator 6 & 7" handholes, as well as the proper tensioning pressure ranges for both 6 & 7" handholes and the secondary manway.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
96-00256	ENG	217685	This modification eliminated the gate valve pressure locking concern identified in Generic Letter 95-07 with respect to the shutdown cooling outboard containment isolation valves, 13JSIAUV0655 and 13JSIBUV0656.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
96-00262	LDCR	3611	This LDCR updated the UFSAR to reflect modification that added a flow path from the Blowdown Heat Exchanger, CD/CW overboard, and the condensate system to the retention basin.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
96-00265	ENG	218029	This modification removed components of the CRACS that are no longer used by Chemistry.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
97-00099	ENG	218325	This modification replaced the nitrogen pressure regulator to the Reactor Drain Tank (RDT).	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
97-00108	ENG	218621	This modification converted the refrigerant on the PVNGS normal chillers from Refrigerant 12 (CFC-based) to R-134a (non CFC-based). The conversion consisted of replacing the gearset, refrigerant, refrigerant oil, and several O-rings.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
97-00129	ENG	218059	This modification to LPSI Flow Control valves (JSIBUV615/625 & JSIAUV635/645) slowed down the stem travel speed by increasing the overall gear ratio from 53.71 to 95.53. The change in the gear ratio was accomplished by replacing the motor pinion and worm shaft clutch gears.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
97-00174	LDCR	3815	This LDCR updated the UFSAR to replace the existing class 1E batteries (AT&T round cells) with rectangular cells in all three units.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
97-00239	ENG	218724	This modification replaced the chemical waste neutralization tanks and neutralization transfer pump piping in Units 1, 2 & 3 with Alloy 20 pipe.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
97-00266	ENG	218973	This modification provided a low point drain from the HVAC exhaust ductwork in the 'A' train concentrate monitor tank room.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
98-00047	TMOD	1-CI-1998-006, 2-CI-1998-003	These TMODS temporarily defeated the Turbine Building Acid Storage Tanks Low-Low level switch. The level switch was malfunctioning due to corrosion.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
98-00055	LDCR	98-F005, 98-T002, 00-B014	These LDCRs for the TS, TS Bases and the UFSAR incorporated new SG low flow reactor trip setpoints to increase the allowable operating range.	This does not introduce an unreviewed safety question. Changes to the TSs have received NRC approval. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
98-00101	CRDR	34371	This CRDR evaluated compensatory measures that were implemented to address leaking conduit seals and to prevent the degradation of safety related equipment on the 80 ft. elevation of the MSSS building if a flood were to occur on the 100 ft. elevation.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
98-00154	LDCR	98-F080, 98-F120, 98-T008, 98-B007	These LDCRs made revisions to the UFSAR, TS Bases, and Technical Specifications. The revision enhanced the means of complying with the requirements of Regulatory Guide 1.93 for offsite power source.	This does not introduce an unreviewed safety question. Changes to the TSs have received NRC approval. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
98-00177	CRDR	35638	This CRDR was for an Operability Evaluation. The Evaluation provided the basis for determining operability of the ESF PREACS (Engineered Safety Feature Pump Room Exhaust Air Cleanup System) during the performance of PM tasks.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
99-00019	LDCR	99-F007	This LDCR updated the UFSAR to document correction factors to COLSS to correct for the effects of feedwater flow meter Venturi Fouling.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
99-00021	ENG	806536	This modification installed and removed temporary power during the replacement of the 125 VDC, class 1E, PK system, AT&T round cell batteries and battery racks with rectangular cell batteries and battery racks in all 3 units.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
99-00033	LDCR	99-F013	This revision to the UFSAR incorporated changes made by modification 736528. This modification removed the humidifiers on the 140 foot elevation of the Auxiliary Building.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
99-00071	LDCR	98-F108	This LDCR for the UFSAR was issued to document revised calculated radionuclide inventories that reflect implementation of 2% stretch power for the Palo Verde units, and reflect small changes in isotopic inventories within existing equipment.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
99-00090	ENG	220697	This modification added a permanent ammonium chloride injection system to the condensate system to reduce tube corrosion.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
99-00100	ENG	221063	This modification installed permanent personnel access platforms adjacent to the steam generators.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
99-00102	CMWRF	221713	This modification installed Cathodic Protection for the new cooling tower make-up bypass line.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
99-00103	LDCRs	99-F030, 99-B017, 99-T010	These LDCRs will revise the UFSAR, TS Bases and the TSs as a result of changes related to reclassification of HPSI hot and cold leg instrument flow loops JSIB-FLOOP0311/0321, JSIA-FLOOP0331/0341, JSIA-FLOOP0390 and JSIB-FLOOP0391 as Regulatory Guide 1.97 Type A-1 variables from their current classification as Regulatory Guide 1.97 Type D-2 variables.	This does not introduce an unreviewed safety question. Changes to the TSs have received NRC approval. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
99-00112	ENG	219879	This modification replaced the domestic hot water heaters on the 140 foot elevation of the Auxiliary Building in all three Units.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
99-00118	ENG	2220156	This modification on the BOP-ESFAS cabinets enhanced the level of redundancy in the AC power sources to the cabinet cooling fans.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
99-00126	CRDR	104202	This CRDR evaluated the introduction of transient materials inside the Containment Building during plant Modes 3 and 4 to facilitate outage related activities.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
99-00131	ENG	219505	This modification will replace existing chiller control panels on the normal chillers with microprocessor based control units.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
99-00141	ENG	218709	This modification increased the condensate sodium analyzers measuring range from 1,000 ppb to 10,000 ppb.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
99-00145	LDCR	99-F073	This LDCR updated the UFSAR to document modifications to the RCS Hot Leg instrument nozzles.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
99-00147	LDCR	99-F061	This LDCR for the UFSAR reduced the credited number of incore instrument strings used by COLSS to determine core power distribution from 61 to 50.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
99-00157	PROC	74OP-9SP01	This procedure provides instructions to install and operate chemical addition equipment at each spray pond.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
99-00161	LDCR	01-F024	This LDCR updated the UFSAR to document that there is an evaluated exception, for certain cables, to the UFSAR stated condition regarding the IEEE 383 flame retardant rating.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
99-00167	ENG	219210	This modification replaced transmitters 1,2,3JRCNPT0100X and 1,2,3JRCNPT0100Y Barton Model 763/763A Pressure Transmitters with Rosemount Model 1152GP9N92PB.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00001	ENG	220997	This modification modifies the condensate demineralizer rinse line piping and valves to eliminate vibration and water hammer concerns.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00010	LDCR	00-F008	This LDCR revised the UFSAR to reflect that ASME Class MC components are examined in accordance with ASME Code Section XI, Subsection IWE, except as modified and supplemented by 10 CFR 50.55a.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
00-00014	ENG	225835	This modification replaced Inconel A-600 RCS Hot Leg Instrument Nozzles in Unit 3.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00016	ENG	218214	This modification replaced the hydrogen purge system exhaust pressure regulating valve with an equivalent valve in Unit 3.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00017	ENG	221147	This modification installed an impressed current Cathodic Protection System on Unit 3 Cooling Tower 2 and installed sacrificial anodes on all of the columns on Unit 3 Cooling Towers 1, 2, and 3 to protect the underwater sections of the columns.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00018	LDCR	00-F012	This LDCR to the UFSAR documented upgrading the existing spent fuel pool gate seal design for the Cask Loading Pit and Decon Washdown Area gates.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00019	ENG	218297	This modification removed the flow indicating switches on the condensate pump seal water and replaced them with flow indicators (Unit 1 only).	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
00-00020	ENG	218695	This modification provided temporary power to six loads during the replacement of the existing 125 VDC, PK system, AT&T round cell batteries and battery racks in all three units.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00029	ENG	218271	This modification modified the vibration and loose parts monitoring system to provide better system reliability.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00034	ENG	218452	This modification changed the level control setpoints of the EW expansion tank.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00037	LDCR	00-F021	This LDCR revised the UFSAR to reflect an organizational change within the Radiation Protection Department.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00041	LDCR	99-B016	This LDCR for the TS Bases identified solenoid operated Containment Isolation Valves with relay driven SESS/ERFDADS indication and included a discussion of the loss of control power's impact to these valves SESS/ERFDADS indication.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
00-00045	ENG	225139	This modification replaced carbon steel piping components with stainless steel in the ED system to address erosion/corrosion considerations.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00049	LDCR	00-R004	This LDCR for the Technical Requirements Manual (TRM) eliminated Surveillance Requirement TSR 3.8.101.3.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00050	ENG	219026	This modification replaced I-600 RCS Hot Leg Instrument Nozzles in Unit 2.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00052	DI	233788	This modification allowed operation of the fuel transfer system upender with a defective upender limit switch	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00060	LDCR	00-T003, 00-B005	These LDCRs revised LCO 3.9.5 and its associated bases. The revision added a note to the Technical Specification LCO that existed in LCOs 3.4.7 and 3.4.8 which allowed the non-operating SDC loop to be inoperable for up to two hours for surveillance testing. The bases will be revised with supporting information.	This does not introduce an unreviewed safety question. Changes to the TSs have received NRC approval. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
00-00062	LDCRs	00-B015, 00-F046	These LDCR revisions to the TS Bases and the UFSAR were the result of a revision to Calculation 13-MC-CH-601. The TS Bases and the UFSAR description of the time required to borate to 1% delta-k/k of negative reactivity was changed from 35 minutes to "less than 4 hours."	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00063	ENG	219019	This modification removed obsolete digital pressure indicators in the Auxiliary and Turbine Building Cold Labs.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00066	LDCR	00-F017	This LDCR revised UFSAR Chapters 1 and 15 to add an option to use the CENTS code for safety analysis calculations in addition to the currently licensed CESEC code.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00067	LDCR	00-F016, 00-B004, 00-T001	These LDCRs for the TSs, the TRM and the UFSAR were issued as a result of the DNBR Safety Limit being increased from 1.30 to 1.34 to accommodate increased DNBR sensitivity to uncertainties in inlet flow to the hot assembly and adjacent assemblies.	This does not introduce an unreviewed safety question. Changes to the TSs have received NRC approval. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00079	LDCR	00-T012, 00-R009, 00-F048	These LDCRs for the TS, TRM and the UFSAR were the result of calculation revisions. The calculations determine the maximum differential pressure drop when the filters are dirty while maintaining the required minimum design airflow.	This does not introduce an unreviewed safety question. Changes to the TSs have received NRC approval. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
00-00081	ENG	226818	This modification added Ultrasonic Flow Measurement (UFM) devices to provide feedwater flow information to the Core Operating Limit Supervisory System (COLSS).	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00091	LDCR	00-T007, 00-B017	These LDCRs for the TS and the TS Bases clarified that the boron dilution alarm system (BDAS) is required to be OPERABLE in Mode 6.	This does not introduce an unreviewed safety question. Changes to the TSs have received NRC approval. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00094	SDOC	MN725-A00128	This subject vendor document revised the Natural Circulation Cooldown Analysis in preparation for Unit 2 Steam Generator Replacement and Power Uprate.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00095	LDCR	00-T013, 00-B024	These LDCRs for the TS and the TS Bases incorporated TSTF 273 Rev. 2 to clarify LCO 3.0.6.	This does not introduce an unreviewed safety question. Changes to the TSs have received NRC approval. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00097	ENG	228402	This modification changed existing breaker controls and indications to allow installation of new breakers and to provide synchronization capabilities for new switchyard connections to the new Hassayampa 2 line.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
00-00103	ENG	2307494	This modification replaced or added several Extraction Steam (ED) System piping expansion joints inside the main condenser in Unit 2 in order to prevent recurrence of expansion joint failures.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00106	LDCR	00-F062	This LDCR revised the UFSAR as a result of a new PVNGS LBLOCA ECCS performance analysis, which supplements the current PVNGS LBLOCA break spectrum analyses.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00112	TMOD	2328673	This TMOD addressed the connection of service air to a flanged connection of the Refueling Water Tank (RWT), which is below the tank water level, during refueling operations. Discharge of air into the RWT will be used to dilute high activity waste gas in the tank and displace it into the Fuel Building normal ventilation system for eventual offsite discharge.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00113	LDCR	00-F063	This LDCR updated the UFSAR to incorporate power uprate calculational changes, updated calculational practices, the results of a licensing document validation, incorporate CESSAR information, and to incorporate current regulatory guidance.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00115	LDCR	00-F065	This LDCR updated UFSAR to incorporate revised calculated reactor and spent fuel pool decay heat loads.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
00-00120	CRDRs	2319452, 2326407, 2329337	These CRDRs demonstrated that no unreviewed safety question existed from continued operation with small amounts of radioactivity in the Nuclear Cooling (NC) Water System at Units 3 and 1.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00124	TMOD	2333546	This TMOD was the result of pressurizer heater 2MRCEB17 failing and being removed from service.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00126	ENG	218313	This modification added a time delay relay to the override circuit for radioactive drain tank/gas surge header external containment isolation valve 1J-GRB-UV-002.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00127	TMOD	2335706	This TMOD was the result of pressurizer heater in non-class back-up bank number 3 failing. This TMOD lifts the power leads of the heater to the failed heater.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00132	ENG	2310095	This modification added run time meters/cycle counters to the IA system air compressor breakers.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
00-00136	ENG	218265	This modification installs equivalent Fiber Optic boards for the Emergency Diesel Generators due to equipment obsolescence.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00137	ENG	224695, 224675, 224680	These modifications replaced carbon steel piping components with stainless steel components in the main steam and extraction steam and drains systems due to the erosion/corrosion phenomena.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00138	ENG	224682, 224684	These modifications replaced carbon steel piping components with stainless steel components in the main steam system due to the erosion/corrosion phenomena.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00141	PROC	31MT-9DG03	This procedure provides instructions to chemically clean the EDG intercoolers with zinc-phosphoric acid.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00142	TMOD	2346360	This TMOD bypassed the SC system acid day tank.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
00-00143	ENG	2345660	This modification replaced and added several Extraction Steam (ED) System piping expansion joints inside the main condenser in Unit 1 in order to prevent occurrence of similar type expansion joint failures which have occurred in Unit 2.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
00-00144	LDCR	00-F074	This LDCR updated the UFSAR to document the substitution of Inconel X-750 for A565 Gr 616 Type 422 stainless steel as used in the main steam safety valve discs.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00001	ENG	2348862	This modification changed setpoints for the SM system to compensate for the 40-degree error in the accelerometer orientation.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00004	ENG	2345288	This modification added replacement anode beds in the cathodic protection system throughout Units 1, 2 and 3 as required.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00005	LDCR	01-R001	This LDCR modified the TRM and associated bases for TLCO 3.5.201, Shutdown Cooling System, to make the specification more consistent and to allow full use of Technical Specification 3.0.6 for those systems that support SDC operation.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
01-00006	TMOD	2350909	This TMOD modified Unit 3 RCP 1A vibration monitoring to eliminate spurious alarms.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00007	TMOD	2352090	This TMOD installed a PC based data acquisition system in the Control Room to record and analyze the following Refueling Water Level Monitoring System signals, during the U1 Refueling Outage: two narrow range level signals, two wide range level signals, and the two Shutdown Cooling flow signals.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00008	TMOD	2352096	This TMOD installed a PC based data acquisition system in the Control Room to record and analyze the following Refueling Water level Monitoring System signals, during the U3 RCP Shaft Replacement Outage: two narrow range level signals, two wide range level signals, and the two Shutdown Cooling flow signals.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00009	ENG	2319254	This modification replaced selected I-600 RCS Hot Leg Instrumentation Nozzles in Unit 1.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00011	ENG	221240	This modification replaces existing Steam Generator level transmitters with new level transmitters in support of replacing the steam generators in Unit 2.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
01-00012	ENG	222063	This modification replaced existing Spray Pond Temperature loop thermocouples, indicating transmitters and analog indicators with resistance temperature detectors (RTD), digital indicating transmitters and digital indicators.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00013	ENG	2304482	This modification replaced the thermal overload relays and adjusted the breaker instantaneous trip settings for various motor-operated valves.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00014	TMOD	2352067	This TMOD created redundancy in the 15 VDC power supply within the main steam and feedwater isolation cabinets.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00015	DCP	WDP-DW-551	This Design Change Package added permanent tees and valves to the DW system to allow use of temporary demineralizers when needed.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00017	ENG	219983, 2308464, 2307934	These modifications added clips and Raychem insulation to the RCP motor RTDs and changed the spare RTD wiring.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
01-00018	LDCR	01-F004, 01-R002	These LDCRs made revisions to the UFSAR and the TRM to document the replacement of the seismic monitoring (SM) system in Unit 1 with a new digital SM system.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00019	LDCR	01-F009, 01-R003	These LDCRs revised the UFSAR and the TRM to remove the requirement to perform Type C testing (LLRT) on the valves in Penetrations 67 and 77 for HPSI Long Term Cooling.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00020	ENG	216762	This modification installed Emergency Response Facility Data Acquisition Display System (ERFDADS) inputs to monitor Atmospheric Dump Valve (ADV) accumulator pressure.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00021	ENG	2351782	This modification conditionally released the installation of a spare, contingency Reactor Coolant Pump (RCP) shaft into Unit 3 RCP 1B for the remainder of power cycle 10.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00022	LDCR	00-F045	This LDCR revised the UFSAR to clarify the use of fluorescent lights that contain trace amounts of mercury during maintenance. It also clarified the use of refueling and spent fuel pool lights that contain trace amounts of mercury.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
01-00025	ENG	2314788	This modification will fabricate and install stainless steel boxes to store lead shielding and scaffolding materials inside the Containment Building.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00026	LDCR	01-F015	This LDCR revised the UFSAR to reflect the results of revised control room habitability analyses.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00027	LDCR	01-F012, 01-R005	These LDCRs revised the UFSAR and the TRM to reflect the elimination of PASS.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00028	ENG	218598	This modification addressed construction of a new Independent Spent Fuel Storage Installation (ISFSI) at Palo Verde. The scope of this evaluation only addresses construction of the ISFSI. This evaluation does not include connecting the ISFSI to any PVNGS systems, structures or components, nor does it cover the movement of any spent fuel assemblies or the use of any dry cask storage system.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00030	LDCR	01-F020	This LDCR to the UFSAR was the result of a modification. This modification removed the RCS Hot Leg 1 loop drain line in Unit 1.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
01-00031	PROC	43OP-3NC01	This procedure revision added provisions for pumping water treatment chemicals into the operating NC system.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00032	PROC	78CP-9FH03	This procedure revision allows spent fuel disassembly and reconstitution in the Spent Fuel Pool (SFP) with the SFP water level at or above plant elevation 137'6".	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00035	TMOD	2380406	This TMOD increased the vibration trip setpoint for the Unit 3 Main Turbine #6 bearing from 12 mils to 14 mils.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00037	LDCR	01-F023	This LDCR revised UFSAR Chapters 4, "Reactor," and 15, "Accident Analyses," to reflect the installation of replacement full-length CEAs in Unit 1.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00038	ENG	2350163-66	These modifications provided direction to plug and stake steam generator tubes during U1R9.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
01-00039	ENG	2377838	This deficiency work order evaluated foreign material in the RCS. Three carbon steel ball bearings were unrecoverable from the Refueling Pool during U1R9 and were assumed to enter the reactor vessel.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00040	LDCR	00-B007	This revision to the TS Bases was made to include information regarding the use of check valves for containment penetration isolation and to clarify PVNGS' philosophy regarding CTMT penetrations.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00041	LDCR	01-F025	This LDCR revised the UFSAR, based on Calculation 13-MC-RC-0313.R1. The UFSAR was updated to reflect the revised main and bypass pressurizer spray flow values.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00042	LDCR	01-F030	This LDCR revised the UFSAR as a result of MEE 03536. The MEE allowed the use of a 5 micron to 0.1 micron filter element for the Fuel Pool Clean Up Filters. The UFSAR was updated to reflect the new filter sizes.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00043	DCP	WDP-DS-387	This modification installed a backpressure control/backflow prevention valve in the DS System RO Product to DS Filter line.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
01-00044	ENG	2376951	This modification abandoned leaking fire protection piping in place.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00045	ENG	2384137	This modification evaluated a cylindrical metal object lodged in the Upper Flow Distribution Plate in the Lower Support Structure Assembly of the Unit 1 Reactor Vessel.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00046	ENG	2350362, 2375436	These modifications eliminated the interference fit between the Reactor Coolant Pump seal housing and the seal housing adapter.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00047	ENG	2385012	This modification documented the acceptability of using lighter gauge Rosemount pressure transmitter mounting plate/brackets with the Series D Rosemount pressure transmitters.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00049	ENG	2388545	This deficiency work order substituted the good output of RCS Hot Leg Loop 1 RDT 111X for failed RTD 112HC.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
01-00050	TMOD	2388785	This TMOD provided temporary equipment to mix concentrated sulfuric acid with water and supply the dilute acid to the existing condensate demineralizer resin regeneration process.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00051	PROC	74OP-9SP02.R0	This procedure provides instruction to install and operate chemical addition equipment at each spray pond.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00052	ENG	221238	This modification will re-establish a northern personnel and equipment access point into the PVNGS protected area (PA) for the Replacement Steam Generator (RSG) Project.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00054	ENG	242146, 242150, 242156, 252158, 242160, 242162	These modifications will replace carbon steel piping components with stainless steel components in the main steam and extraction steam and heater drains systems due to the erosion/corrosion phenomena.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00055	ENG	242141	This modification replaces carbon steel piping components with stainless steel components in the main steam system due to the erosion/corrosion phenomena.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
01-00056	ENG	2304433	This modification replaced the existing diesel generator analog frequency meter with a new digital meter.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00057	LDCR	01-F032	This revision to the UFSAR updated text in Appendix 5C. The text was amended to note that once the charging pump breakers are "anti-pumped," they must be manually reset in order to restart the pump.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00058	ENG	2316467	This modification replaces the existing containment spray (CS) pump discharge flow orifices with annubars, in support of the Unit 2 Steam Generator Replacement (SGR) and Power Uprate (PU) Project.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00061	ENG	2340883	This modification modified the 4" inlet nozzles for normal and abnormal blowdown to the Blowdown Flash Tank to prevent erosion due to flow accelerated corrosion (FAC).	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00062	DCP	WDP-DS-239.R0	This Design Change permanently installed a pressure reducing control valve in the discharge from the deepwell pump of the DS system.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
01-00064	LDCR	01-F033	This LDCR revised the UFSAR to clarify the Chemical and Volume Control System (CVCS) capabilities with respect to controlling concentrations of radioactivity in the reactor coolant as a function of failed fuel fraction.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00065	LDCR	01-F035	This LDCR revised the UFSAR to reflect that the existing control system for the sanitary waste return pumps was replaced with ultrasonic controllers.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00066	ENG	220055	This modification will replace the automatic jacket water makeup control valve and its associated bypass valve on the emergency diesel generator with a single manual valve.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00067	ENG	218266	This modification removed the emergency diesel generator fuel oil pressure booster relays and abandoned in-place the associated local indicators.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00068	ENG	2342016	This modification installed redundant power supplies into the Main Steam and Feedwater Isolation System (MSFIS) cabinets 1, 2, 3J-SGA-C01 and 1, 2, 3J-SGB-C01.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
01-00069	LDCR	01-F038	This LDCR revised the UFSAR to more fully describe several PPS/ESFAS trips that use a variable setpoint.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00070	LDCR	01-F006	This LDCR revised the UFSAR to reflect the removal of various Portable Process radiation monitoring skids.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00071	LDCR	01-F042	This LDCR revised the UFSAR to reflect the radiological impact of the operation of the Redhawk Makeup Line.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00072	ENG	2402290	This modification replaced the Unit 3 Main Step-up Transformer with the spare transformer.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00073	DCP	WDP-TB-574	This Design Change Package was issued for the design and construction of a redundant CW system blowdown line.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
01-00075	DCP	WDP-TB-559	This Design Change Package was for the installation of a new makeup water pipeline to the new Redhawk Combined Cycle Power Plant from the PVNGS makeup reservoir.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00076	LDCR	99-F073	This LDCR revised the UFSAR and updated Table 5.1-2 to reflect changes made as a result of the A-600 RCS hot leg instrument nozzle replacement program.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00082	LDCR	01-F043	This LDCR revised the UFSAR to clarify the Chemical and Volume Control System (CVCS) capabilities and requirements for supporting normal plant heat up and cooldown rates.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00083	LDCR	01-F044	This LDCR revised the UFSAR to correct statements regarding Boric Acid Makeup Pump (BAMP) and Reactor Makeup Water Pump (RMWP) flow capacity.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00084	CMWRF	2377199	This modification extended the cathodic protection system to encompass all of the old cooling tower make-up line.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
01-00085	LDCR	01-F046	This LDCR made a revision to the UFSAR. The revision was the result of a modification that replaced and rerouted selected portions of the existing mortar-lined ductile iron fire main piping with epoxy-lined reinforced fiberglass pipe.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00087	LDCR	01-R014	This LDCR revised the TRM to eliminate the shutdown requirements for TLCO 3.3.105.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00089	LDCR	01-B003, 01-F003	These LDCRs made revisions to the TS Bases and the UFSAR. The revisions were the result of a revision to Calculation 13-MC-SI-016. The calculation provides the basis for the design requirements on minimum and maximum volumes of Tri-Sodium Phosphate (TSP) to be stored on the 80' Elevation of Containment.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00090	TMOD	2394147	This TMOD installed a PC based data acquisition system in the Control Room to record and analyze the following Refueling Water Level Monitoring System signals during the U3 refueling outage: two narrow range level signals, two wide range level signals, and the two Shutdown Cooling flow signals.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00091	PROC	31MT-9RC29, 78MT-9RI01, 78MT-9RI02	This 50.59 evaluated changes to various station procedures based on the proposed use of a Temporary Reactor Head (TRH) and In-Core Instrumentation (ICI) seal table plugs during the U3R9 Refueling Outage.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
01-00092	PROC	33MT-9EC02	This new procedure is for the installation and removal of automatic vent valves on selected EC system vents while the plant is in Mode 5, 6 or de-fueled.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00093	ENG	221935	This modification includes the addition of new power, control and instrumentation cables inside containment for future SG downcomer blowdown MOVs and termination of these cables to a spare containment penetration.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00095	ENG	221890	This modification is to facilitate replacement of the Unit 2 steam generators during U2R11. Modifications will be made to the secondary shield walls, the steam generator upper keyway brackets, polar crane bridge girder support brackets, and the polar crane equalizer beams during U2R10.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00096	ENG	218315	This modification involved the service/breathing air system in Units 2 and 3 and added additional stages of pressure regulation to stabilize air sample flow rate, and to install control room annunciation for loss of the breathing air monitors.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
01-00101	ENG	2305728	This modification relocates feedwater oxygen and corrosion products monitors closer to their associated sample points.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequence of accidents previously evaluated have not been increased. The probability/consequence of a malfunction to equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Log Number	Doc Type	Doc Number	Description	Summary
E-01-0002	TMOD	2429847	This temporary modification installed a hand switch as a compensatory measure to bypass the fuel transfer system "carriage home" limit switch. The "carriage home" limit switch is malfunctioning due to a failed limit switch actuator.	This change does not require prior NRC approval in accordance with 10CFR50.59(c)(1).
E-01-0003	CALC	13-CA-ZC-012	This calculation provided a revised method to disassemble and assemble CEAs using temporary equipment and specialized tools.	This change does not require prior NRC approval in accordance with 10CFR50.59(c)(1).
E-01-0004	ENG	2427755	This modification installed a mechanical nozzle seal assembly (MNSA) on an RCS hot leg instrumentation RTD nozzle.	This change does not require prior NRC approval in accordance with 10CFR50.59(c)(1).
E-01-0005	ENG	221891	These plant modifications were made during the U2R10 outage to facilitate steam generator replacement during the U2R11 outage. The scope of the work for these modifications involved relocation of commodities located on the secondary shield walls which would interfere with SG replacement activities.	This change does not require prior NRC approval in accordance with 10CFR50.59(c)(1).
E-01-0006	LDCRs	01-T014, 01-B018	These LDCRs for the TS and the TS Bases will allow more MSSVs to be INOPERABLE in Mode 3. Specifically TS 3.7.1 is being modified to allow more than four MSSVs to be Inoperable in Mode 3. This change will match NUREG 1432 guidance.	This change requires prior NRC approval.
E-01-0008	TMOD	2441542	This Temporary Modification substituted a non-class RCS hot leg loop 1 RTD for a Class 1E RCS hot leg loop 1 RTD as the input to the Unit 2 CPC Channel C.	This change does not require prior NRC approval in accordance with 10CFR50.59(c)(1).
E-01-0009	LDCR	01-F058	This LDCR made revisions to the UFSAR as a result of the implementation of the CENTS computer code. This revision adds a new appendix to UFSAR Chapter 15.	This change does not require prior NRC approval in accordance with 10CFR50.59(c)(1).

Log Number	Doc Type	Doc Number	Description	Summary
E-01-0010	LDCR	00-R001	This LDCR revised TRM Section 3.1, Boration Systems, to make the text congruent with applicable sections of the UFSAR and supporting design calculations.	This change does not require prior NRC approval in accordance with 10CFR50.59(c)(1).
E-01-0011	ENG	2376926	This modification is for the replacement of the Alloy 600 inservice RCS hot leg instrumentation nozzles with the Alloy 690 3/4 RTD nozzle design.	This change does not require prior NRC approval in accordance with 10CFR50.59(c)(1).

Acronym/Abbreviation Definition Sheet

AC	Alternate Current
ADV	Atmospheric Dump Valve
BAMP	Boric Acid Makeup Pump
BDAS	Boron Dilution Alarm System
BOP	Balance of Plant
CD	Condensate
CEA	Control Element Assembly
CENTS	Combustion Engineering Nuclear Transient Simulation
COLSS	Core Operating Limit Supervisory System
CRACS	Chemical and Radiological Analysis Computer System
CRDR	Condition Report/Disposition Request
CS	Containment Spray
CTMT	Containment
CVCS	Chemical Volume Control System
CW	Circulation Water
DNBR	Departure from Nuclear Boiling Rate
DS	Domestic Water System
DW	Demineralized Water System
ED	Extraction Steam System
EDG	Emergency Diesel Generator
EQ	Equipment Qualification
ERFDADS	Emergency Response Facility Data Acquisition Data System
ESF	Engineered Safety Features
ESFAS	Engineered Safety Feature Actuation System
ESPS	Essential Spray Pond System
EW	Essential Cooling Water
FAC	Flow Accelerated Corrosion
HPSI	High Pressure Safety Injection
HVAC	Heating, Ventilation, Air Conditioning
IA	Instrument Air
ICI	In-Core Instrumentation
ISFSI	Independent Spent Fuel Storage Installation
ISI	In-Service Inspection
LBLOCA	Large Break Loss-of-Coolant Accident
LDCR	Licensing Document Change Request
LLRT	Local Leak Rate Test
LPSI	Low Pressure Safety Injection
MNSA	Mechanical Nozzle Seal Assembly
MSFIS	Main Steam and Feedwater Isolation System
MSSS	Main Steam Support Structure
NC	Nuclear Cooling Water System
PA	Protected Area
PASS	Post Accident Sampling System
PLHGR	Peak Linear Heat Generation Heat Rate
PPS	Plant Protection System
PREACS	Pump Room Exhaust Air Cleanup System
PU	Power Uprate
PVNGS	Palo Verde Nuclear Generating Station
RCP	Reactor Coolant Pump
RCS	Reactor Coolant System
RDT	Reactor Drain Tank
RMWP	Reactor Makeup Water Pump
RSG	Replacement Steam Generator
RTD	Resistance Thermal Detection
RWT	Refueling Water Tank
SDC	Shutdown Cooling
SESS	Safety Equipment Status System
SFP	Spent Fuel Pool
SGR	Steam Generator Replacement
SM	Seismic Monitoring System
SRM	Startup Range Monitors
STP	Sewage Treatment Plan
TMOD	Temporary Modification
TRH	Temporary Reactor Head
TRM	Technical Requirements Manual
TSP	Tri-Sodium Phosphate
UFM	Ultrasonic Flow Measurement
UGSLR	Upper Guide Structure Lift Rig