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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 1998)

Pursuant to 10 CFR 50.59(b)(2), Arizona Public Service Company is submitting the enclosed report. This report is a compilation of the changes completed during January-December 1998 at PVNGS Units 1, 2, & 3. The enclosed report contains a brief description of the changes and a brief summary of the safety evaluation for each change. There are no commitments made in this letter.

If you have any questions, please contact Scott A. Bauer at (602) 393-5978.

Sincerely,

Scott A. Bauer for AKK

AKK/SAB/CJJ

Enclosure

cc: E. W. Merschoff (all w/enclosure)
M. B. Fields
J. H. Moorman

ENCLOSURE

PALO VERDE NUCLEAR GENERATING STATION

ACRONYM/ABBREVIATION DEFINITION SHEET
AND
10 CFR 50.59 REPORT
JANUARY - DECEMBER 1999

Acronym/Abbreviation Definition Sheet

ABRWS	Auxiliary Building Radwaste Sump
ACU	Essential Air Cooling Units
ADV	Atmospheric Dump Valve
AF	Auxiliary Feedwater
AFAS	Auxiliary Feedwater Actuation System
AFU	Air Filtration Unit
ALARA	As Low As Reasonably Achievable
ANI	American Nuclear Insurers
ASI	Axial Shape Index
ASL	Approved Suppliers List
AVL	Approved Vendors List
BAC	Boric Acid Concentrator
BAMP	Boric Acid Makeup Pump
BFT	Blowdown Flash Tank
BWNS	Babcock & Wilcox Nuclear Services
CALC	Calculation
CD	Condensate System
CEA	Control Element Assembly
CEDM	Control Element Drive Mechanism
CEOG	Combustion Engineering Owners Group
CH	Charging System
CIAS	Containment Isolation Actuation Signal
COLR	Core Operating Limits Report
COLSS	Core Operating Limit Supervisory System
CPC	Core Protection Calculator
CREFS	Control Room Essential Filtration System
CRDR	Condition Reporting Disposition Request
CSAS	Containment Spray Actuation System
CS	Containment Spray
CSS	Containment Spray System
CST	Condensate Storage Tank
CT	Condensate Transfer System
CVCS	Chemical Volume Control System
CW	Circulating Water System
DAWPS	Dry Active Waste Processing Storage Facility
DBA	Design Basis Accident
DBE	Design Basis Event
DBM	Design Basis Manual
DCF	Dose Conversion Factor
DCP	Design Change Package
DF	Diesel Fuel Oil and Transfer System
DFWO	Deficiency Work Order
DG	Diesel Generator
DS	Domestic Water System
DVM	Digital Voltmeter
DW	Demineriizer Water
EAL	Emergency Action Levels
EC	Essential Chilled Water
ECCS	Emergency Core Cooling System
ECE	Equipment Change Evaluation
ECT	Eddy Current Testing
ED	Feedwater Heater Extraction
EDG	Emergency Diesel Generator
EER	Engineering Evaluation Request
EOF	Emergency Operating Facility
EOP	Emergency Operating Procedures
EQ	Equipment Qualification
ERFDADS	Emergency Response Facilities Data Acquisition Display System
ES	Safety Equipment Status
ESF	Emergency Safety Features
ESFAS	Engineered Safety Feature Actuation Sys
ESPS	Essential Spray Pond System
EQID	Equipment Identification Numbers
EW	Essential Cooling Water System
FBVAS	Fuel Building Ventilation Actuation System
FME	Foreign Material Exclusion
FP	Fire Protection
FW	Feedwater
FWCS	Feedwater Control System
GA	Gas Service System
GTG	Gas Turbine Generator
HELB	High Energy Line Break
HF	Fuel Building HVAC
HVAC	Heating, Ventilation, Air Conditioning
IA	Instrument Air
IPE	Individual Plant Examination
ITS	Improved Technical Specifications
LFB	Large Feedwater Break
LHR	Linear Heat Rate
LOCA	Loss of Coolant Accident
LOCV	Lower Condenser Vacuum
LOP	Loss of Offsite Power

LPMS	Loose Parts Monitoring System
LPSI	Low Pressure Safety Injection
LRS	Liquid Radwaste System
LSRO	Licensed Senior Reactor Operator
MEE	Material Evaluation Report
MSIV	Main Steam Isolation Valve
MSLB	Main Steam Line Break
NC	Nuclear Cooling
NES	Nuclear Engineering Services
NPSH	Net Positive Suction Head
NQR	Non-Quality Related
NSS	Nuclear Sampling System
OBE	Operational Basis Earthquake
ODCM	Offsite Dose Calculation Manual
ODCR	Outgoing Document Change Request
PASS	Post Accident Sampling System
PC	Fuel Pool Cooling
PM	Periodic Maintenance
PMS	Plant Computer
PN	Class 1I Instrument AC Power System
PPS	Plant Protection System
PRA	Probabilistic Risk Assessment
PRM	Process Radiation Monitor
PSV	Primary Safety Valve
PSV	Pressurizer Safety Valve
QSPDS	Qualified Safety Parameter Display System
RCA	Reactor Coolant Accident
RCP	Reactor Coolant Pump
RCS	Reactor Coolant System
RMS	Radiation Monitoring System
RPS	Reactor Protection System
RTD	Resistance Thermal Detector
RTP	Rated Thermal Power
RVLMS	Reactor Vessel Monitoring System
RWLMS	Reactor Water Level Monitoring System
RWT	Reactor Water Tank
SARCN	Safety Analysis Report Change Notice
SBCV	Steam Bypass Control Valve
SC	Secondary Chemical Control
SCAT	Spray Chemical Addition Tank
SCC	Stress Corrosion Cracking
SDC	Shutdown Cooling
SDCHX	Shutdown Cooling Heat Exchanger
SDR	Supplier Document Register
SESS	Safety Equipment Status System
SFP	Spent Fuel Pool
SG	Steam Generator
SGTR	Steam Generator Tube Rupture
SI	Containment Spray System
SIAS	Safety Injection Actuation Signal
SIS	Safety Injection System
SMOD	Site Modification
SP	Spray Pond
SPCR	Setpoint Change Request
SRT	Surge Rinse Tank
SS	Sampling System
SSC	System, Structure and Component
SSE	Safe Shutdown Earthquake
STE	Special Test Equipment
TC	Turbine Cooling Water
TI	Temperature Indicator
TMOD	Temporary Modification
TRM	Technical Requirements Manual
TSC	Technical Support Center
TSP	Temporary Shielding Protection
UHS	Ultimate Heat Sink
UT	Ultrasonic Testing
VDP	Vendor Document Procedure
WC	Chilled Water
WO	Work Order

Doc Type	Doc Number	Description	Summary
CALC	13-JC-DF-202.R6 & 203.R4	These Calculation revisions document the acceptance of the current "as-is" Diesel Fuel Oil Storage Tank low level alarm of 129" actual tank level. Also, the low level analysis limits in the calculation are revised to match the Technical Specification bases values.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. The slightly higher/more conservative "as-is" setpoint will provide additional notification time between the time the alarm comes in and the Technical Specification limit is reached. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis for TS 3.8.3 is not reduced by the current "as-is" low level alarm setpoint.
COLR	U1.R4, U2.R1, U3.R6	This 50.59 addressed COLR revisions for Units 1, 2 and 3. The Unit 3 revision was updated to 1) use "Bounding ASI Uncertainty Values" in the calculation of the Addressable Constantsand 2) update the LHR limit based upon the latest PVNGS ECCS Analysis. In addition all three PVNGS COLR's were revised to include changes associated with the implementation of the Improved Technical Specifications which had previously been approved by the NRC.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. The change did not modify the configuration of the units, except for minor COLSS addressable constant changes. The COLSS addressable constant are designed to change in order to maintain the PVNGS licensing basis. No other equipment changes and no new methods of plant operation were proposed. 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.
COLR – U3C7	Rev. 5	This COLR revision corrected ASI ranges from Revision 4 of the COLR.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. No credible new accident or malfunction will be introduced by this ASI limit change. The margin of safety as defined in the basis of the TSs has not been reduced.
COLR - U2C8	Rev. 2	This revision updated the Unit 2 Cycle 8 COLR. Revision 1 was updated to 1) expand ASI window for powers below 50% to +0.2/-0.3 (analyzed) and 2) use the "Bounding ASI Uncertainties" in the calculation of the COLSS addressable constants ASILL and AHIHL. These changes were implemented in order to aide operations during down powers or cutbacks late in core life.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. Changing the ASI range does not introduce any different types of accidents or malfunctions. No physical changes to equipment important to safety were proposed. The margin of safety as defined in the basis of the TSs has not been reduced.
COLR - U3C7	Rev. 4	This revision to the COLR will expand ASI window for powers below 50% to +0.2/-0.3 (analyzed) to aide operations during downpowers or cutbacks late in core life.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. The performance of safety systems assumed to function in safety analysis remains unaffected by this change. 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.
CRDR	170198	This CRDR installed a temporary portable pump and routed the yard area sump effluents to the oily waste separator sump while the normal yard area sump pumps were out of service for repair.	This does not introduce an unreviewed safety question. No changes to TSs are required. The possibility/consequences of an accident of a different type has not been increased. The possibility/consequences of a malfunction to equipment important to safety has not been increased. The action deals with systems and equipment that are not important to safety and do not interface with equipment important to safety. 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.
CRDR	180019	This CRDR requested an Operability Determination to be performed for removal and stacking the Pressurizer Missile Shields within the confines of the Pressurizer Cubicle walls in Mode 4 preparation for a Refueling Outage. The conclusion of this evaluation determined that Mode 4 removal and stacking the Pressurizer Missile Shields within the confines of the Pressurizer Cubicle walls, in accordance with procedure 31MT-9ZC07, does not impact Operability of required Technical Specification components.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The change did not represent an increase in probability of occurrence of an accident as evaluated in the UFSAR. The consequences of an accident previously evaluated have not been increased. The change represented a negligible increase in the probability of occurrence of a malfunction of equipment important to safety. The change did not represent an increase in the consequences of a malfunction of equipment important to safety. The possibility of a different type of accident or malfunction was not introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
CRDR	270452	This CRDR revised the operation of the "open after trip" indicating light for plant breakers to be consistent with APS standards. This modification improved and enhanced the interface between the operator and the plant which in-turn will make system operation more reliable. The change brought the control and trip indication of the 525 KV plant breakers in line with other plant distribution breakers in the control room..	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated will not be increased. The probability/consequences of a malfunction to equipment important to safety will not be increased as a result of this change. This modification is only in affect after a protective trip of the breaker has occurred and, therefore, does not change the form, fit and function of the equipment. 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 as a result of this change.

Doc Type	Doc Number	Description	Summary
CRDR	980394	This CRDR evaluated the introduction of transient materials inside the Containment Building during plant modes 3 and 4 during shutdown to facilitate outage related activities.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. All transient material will be either seismically restrained and or stored away from systems and components important to safety. The possibility of creating a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
CRDR	981283	This CRDR evaluated the introduction of transient materials inside the containment building during Mode 1 to facilitate maintenance related activities on valve 3JCPAUV0002B.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. All transient materials were either seismically restrained and or stored away from systems and components important to safety. No fission product barriers were affected. The possibility of a different type of accident or malfunction has not been created. The margin as defined in the basis of any TSs has not been reduced.
DFWO	769743	This DMWO modified pipe supports 1MT130H001H and 1MT131H001H. This modification brought piping into code compliance.	This does not introduce an unreviewed safety question. No changes to TSs are required. The probability/consequences of an accident or malfunction previously evaluated will not be increased. This is a modification to a system not required for safe shut-down of the unit. The modification does not introduce any new accidents or malfunctions of equipment important to safety. The margin of safety as defined in the basis of the TSs has not been reduced.
DFWO	792336	This DFWO replaced a flexible metal hose in accordance with engineering "DF" interim disposition #2. A small leak was observed coming from the NC water braided metal hose return line from RCP 2B. The leak was approx. 5-6 drops per minute.	This does not introduce an unreviewed safety question. There will be no tests or experiments involved with the modification, no changes to the TSs are required. The proposed activity does not impact the overall NC system performance in any manner which could increase the probability/consequences of occurrence of an accident. The probability/consequences of a malfunction to equipment important to safety will not be increased. The possibility of an accident/malfunction of a different type has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
DFWO	817074	This DFWO changed DG system pressure indicators 13JDGNPI0029 and -30 from train related to non-train related devices. As part of a previous modification the instruments were assigned train related EQIDs, after implementation it was determined that the proper EQIDs for these instruments should have been non-train.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased by this modification. This work will not create the possibility of a different type of accident or malfunction, because it only changed the EQID of the pressure indicators and not their function. The margin of safety as defined in the basis of the TSs has not been reduced.
DFWO	820633	This DFWO reworked/replaced stem connector and removed handjack assembly from 1JCHBUV0523 Letdown Isolation Valve.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences 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 valve still provides the original containment isolation function and the interactions with the CVCS and other systems have not changed. The margin of safety as defined in the basis of the TSs has not been reduced.
DFWO	822674	This DMWO allowed for additional weight to be added to an operable piping system in the form of lead blankets. The subject piping and associated pipe support will remain structurally adequate and meet applicable code stress requirements.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. Piping system integrity and ASME code requirements are maintained. The possibility of an accident or a malfunction of a different type has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
DFWO	825417	This DFWO was for Temporary Shielding. It allowed additional weight to be added to an operable piping system in the form of lead blankets. The subject piping and associated piping supports remain structurally adequate to meet applicable code stress requirements.	This does not introduce an unreviewed safety question. No changes to TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. The additional weight of the lead blankets will not cause the piping system or associated equipment to exceed the stress limits of the ASME code. The possibility of a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.

Doc Type	Doc Number	Description	Summary
DFWO	830586	This DFWO allowed continued operation of handswitch 1JHJBHS0062 until the spacer sleeve could be installed in the switch. The handswitch was found to be missing the control knob spacer sleeve that prevents the control knob from being depressed. The handswitch and its associated valve operate correctly in the normal and automatic modes, instructions have been given to the control room operators not to depress the control knob on the affected switch. A caution tag has been added to the control board stating the condition.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The switch/valve still responds correctly to handswitch manipulations and/or a SIAS signal. If the handswitch were to be inadvertently depressed, no adverse conditions would be introduced. 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.
DFWO	830755	This DFWO allowed continued operation of handswitch 3EPBBHSS04K until the spacer sleeve could be installed in the switch. The handswitch was found to be missing the control knob spacer sleeve that prevents the control knob from being depressed. The handswitch and its associated valve operate correctly in the normal and automatic modes, instructions have been given to the control room operators not to depress the control knob on the affected switch. A caution tag has been added to the control board stating the condition.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The switch/valve still responds correctly to handswitch manipulations and/or an ESFAS signal. 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.
DFWO	830757	This DFWO allowed continued operation of handswitch 3EPEBHSS04B until the spacer sleeve could be installed in the switch. The handswitch was found to be missing the control knob spacer sleeve that prevents the control knob from being depressed. The handswitch and its associated valve operate correctly in the normal and automatic modes, instructions have been given to the control room operators not to depress the control knob on the affected switch. A caution tag has been added to the control board stating the condition.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The switch/valve still responds correctly to handswitch manipulations and/or an ESFAS signal. If the handswitch were to be inadvertently depressed, no adverse conditions would be introduced. 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.
DFWO	830234, 235, 236, 237	These DFWO's provided direction to plug 94 tubes in SG 11 and 62 tubes in SG 12, as a result of Eddy Current Testing during U1R7.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety has not been increased. The possibility of a different type of accident or malfunction has not been introduced. The plugs installed have been designed and analyzed to the same design conditions as the SGs themselves. The margin of safety as defined in the basis of the TSs has not been reduced.
DFWO	835996	This DFWO cut carbon steel vent piping, and installed a 2 inch carbon steel union. The installation of this union supports future removal and installation of PSV's on the Essential Chiller Storage Tank and Cooler. The unions were installed downstreem of PSV565 A&B and PSV549 A&B, one on the horizontal piping from the Storage Tank and one on the vertical piping from the Cooler.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. The EC System and the nine rooms it supplies chilled water to remained operable after the coupling was installed. The possibility of a different type of accident or malfunction has not been created. The change of adding a coupling on the NQR vent piping has no affect on the margin of safety.
DFWO	836857	This DFWO fabricated and installed a cover for containment personnel hatch door dogs at the 100' and the 140' elevation. In the containment personnel air locks, the personnel air lock door dog engaged the bottom bracket through the grating. The door dog had a large opening in the grating while only a small opening is required. This DFWO covered the unnecessary portion of the opening with a stainless steel plate that can be removed or installed during any plant mode.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated has not been increased. The probability/consequences of a malfunction to equipment important to safety has not been increased. The possibility of a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
DFWO	837869	This DFWO introduced transient materials inside of the containment building during Mode 1 to facilitate maintenance related activities.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The placement of the transient material in the Containment Building will not result in a clearly discernible increase or trend in the probability of an accident or a change in the probability from one frequency class category to a higher frequency class category. The consequences of an accident previously evaluated were not increased. The probability/consequences of an malfunction previously evaluated have not been increased. The possibility of a new or different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.

Doc Type	Doc Number	Description	Summary
DFWO	838582	This DFWO performed a leak seal on valve 3PCHEV393 by injecting sealant in the void between the valve backseat and disc. After injection the downstream valve remained closed to provide redundant isolation on the vent line. Leak sealant was injected through a code qualified fitting that penetrated the valve body.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety has 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.
DFWO	852724	This DFWO performed a leak seal on valve 1PCHNV199 by injecting sealant directly into the inlet side of the valve, near the seat/disc interface. Leak sealant was injected through a code qualified fitting that penetrated the valve body. The valve is no longer a functional valve since the seat/disc was filled with compound and shall not be disturbed until the valve is to be removed for replacement.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. Injecting furmanite compound into the body of the valve will prevent the valve from being operated from its closed position, thereby eliminating the function of the valve. The possibility of a different type of accident or malfunction has not been created. This repair activity did not reduce the margin of safety as defined in the basis for any TSs.
DFWO	858564	This DFWO conditional release allowed the operation of the spray pond with a section of PSV piping uncoated until the next refueling outage. A pin hole leak was discovered in the pipe just below 1JSPBPSV0140. The piping was found to be in basically sound condition except at the pin hole location. As a corrective measure, the pin hole was weld built up to restore the required piping wall thickness. The Piping Material Classification calls for this line to receive epoxy lining or approved equivalent. This DF disposition supplied a conditional release for unrestricted operability with the epoxy coating being applied. This will be effective through U1R8, at which time the line can be removed and properly reworked.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. The piping structural integrity was restored by the repair method. The possibility of a different type of accident or malfunction has not been created. The condition identified had no effect on the capability of the spray pond system to perform its function. The margin of safety as defined in the basis of the TSs has not been reduced.
DFWO	858695	This DFWO disposition was performed to address the loss of a foreign object that was being removed during Foreign Object Search and Retrieval (FOSAR) activities for the lower core support area of the reactor vessel. An Engineering Evaluation was requested to evaluate the potential impact on the Reactor Coolant System.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. The change did not in any way affect the ability to safely shutdown the plant. Engineering Evaluations have concluded that the effects of these smaller pieces of debris on Reactor Coolant and Safety Injection Systems and Components will be negligible. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis of any TSs has not been reduced.
DFWO	849161, 849162, 849164, 849165	These DFWO's provided direction to plug 63 tubes in SG 31 and 61 tubes in SG 32 as a result of ECT activities conducted during U3R7.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. The plugs installed have been designed and analyzed to the same design conditions as the SGs. 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.
DMWO	683387	This DMWO installed a refrigerated air dryer downstream of breathing air compressor in the turbine bldg. The air dryer was installed and plumbed to the plant service air supply piping. The dryer, will dry the air to a dew point between 35 - 45 deg. F at 120 psig. This will reduce corrosion problems and excess maintenance caused by wet air condensation. The dryer was plumbed such that the dryer can be valved out for maintenance without shutting down the service air system.	This does not introduce an unreviewed safety question. There will be no tests or experiments involved with the modification, no changes to the TSs are required. There will be no increase in the probability/consequences of an accident previously evaluated. The probability/consequences of a malfunction of equipment important to safety will not be increased by the installation of an air dryer to the service air system. The possibility of an accident of a different type than evaluated has not been created. The possibility of creating a different type of malfunction has not been increased. The margin of safety as defined in the basis of the TSs has not been reduced.
DMWO	700526	This DMWO corrected the problem with the mounting of RCP motor vibration sensors. This modification changed the manufacturer and model of accelerometers used to monitor RCP motor vibration and relocates the accelerometers. The new accelerometers were mounted on the existing RCP motor pads after removal of obsolete mechanical vibration switches. An additional stainless steel junction box was added on the motor frame.	This does not introduce an unreviewed safety question. There will be no tests or experiments involved with the modification, no changes to the TSs are required. The probability/consequences of an accident previously evaluated will not be increased. The probability/consequences of a malfunction to equipment important to safety will not be increased. The mounting of the accelerometers in the new locations will not affect any of the equipment within the safety related systems required to mitigate the event. The purpose of the RCP motor vibration accelerometers is to monitor performance. The possibility of an accident/malfunction of a different type has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.

Doc Type	Doc Number	Description	Summary
DMWO	702280	This DMWO added one additional valve in the non-ESF sump discharge line to allow maintenance of the non-ESF sump without requiring the ESF sumps to be out of service.	This change does not introduce an unreviewed safety question. This change does not involve a test or experiment, and does not require a change to the Technical Specifications. The change does not increase the probability or consequences of an accident nor increase the probability or consequences of a malfunction of equipment important to safety. No new accidents or malfunctions have been created and the margin of safety, identified in the Technical Specifications Basis, has not been reduced. Because of the location of the new valve, only the non-ESF sumps and pumps would be affected. These do not provide any safety-related function.
DMWO	704966	This DMWO evaluateed the installation of Cooling Fan Packages for 1E Load Center Transformers 1EPGAL31X, 1EPGBL32X, 2EPGAL31X, 2EPGBL32X, 3EPGBL31X, 3EPGBL32X. The existing transformers were ventilated dry-type transformers. The purpose of this DMWO was to install forced-air cooling fans in the existing transformers, thereby increasing the circulation of the ambient air through the transformer enclosure.	This does not introduce an unreviewed safety question. This does not require a change to the Technical Specifications. The probability/consequences of an accident previously evaluated have not been increased. The purpose of the cooling fans is to mitigate the effects of high temperatures occurring inside the transformers; therefore, the fans will decrease the probability of a loss of a transformer due to internal heating and premature heat-related failure. The probability/consequences of a malfunction of equipment important to safety has not been increased as a result of this change. The possibility of a different type of accident/malfunction has not been created by this change. The margin of safety as defined in the basis of Technical Specifications will not be reduced.
DMWO	708110	This DMWO made permanent changes to remove the existing refueling pool level and temperature loops (JPCNL0004, JPCNL0006 and JPCNT0002). Alternate alarm and indication functions utilizing the plant computer (PMS) and ERFDADS will maintain the necessary design functions.	This does not introduce an unreviewed safety question. This change does not involve any tests or experiments and requires no changes to the TSs. The probability/consequences of an accident previously evaluated have not been increased. The PC Refueling Pool Level Switches are designed to provide alarms in the event adequate water over the vessel flange during movement of fuel and control element assemblies is not maintained. Establishing alternate level instruments/alarms maintains this function. Refueling pool level will continue to be monitored. The probability/consequences of a malfunction of equipment important to safety has not been increased as a result of this change. The possibility of a different type of accident/malfunction has not been created by this change. The margin of safety as defined in the basis of the TSs has not been reduced.
DMWO	714670	This DMWO modified valves to provide overpressure protection when closed and self-isolated by their adjacent systems. The modification consisted of the following: the addition of an overpressure line off of the valve bonnet and the addition of a pressure relieving spring loaded check valve. This will relieve the bonnet pressure back to the shutdown cooling line upstream of the isolation valve.	This does not introduce an unreviewed safety question. This does not require a test or a change to the Technical Specifications. The probability/consequences of an accident previously evaluated have not been increased The valve continues to operate as before. No changes are being made to its components, motor operator, power supplies, or control circuitry. The probability/consequences of a malfunction of equipment important to safety has not been increased as a result of this change. The possibility of a different type of accident/malfunction has not been created by this change. The margin of safety as defined in the basis of Technical Specifications will not be reduced.
DMWO	715063	This DMWO replaced the existing resin retention elements inside the condensate polisher service vessel with new, superior resin retention elements to reduce maintenance and improve system reliability. The new elements also provided a second barrier to steam generator resin intrusion.	This does not introduce an unreviewed safety question. This does not require a test or a change to the Technical Specifications. Installing new condensate demineralizer resin retention elements does not increase the probability/consequences of an accident previously evaluated. No credit was taken for the condensate cleanup system in the UFSAR. The unlikely event of a catastrophic resin retention element failure cannot physically impact safety-related equipment because the resin will be captured by the downstream resin traps. There are no new failure mechanisms other than those already identified in UFSAR. The probability/consequences of a malfunction of equipment important to safety has not been increased as a result of this change. The possibility of a different type of accident/malfunction has not been created by this change. The margin of safety as defined in the basis of Technical Specifications will not be reduced.
DMWO	718290	This DMWO replaced the existing Alnor model 8630 flow switches which have been discontinued by the manufacturer and no spare parts are available. The new models are identical to the model 415 and its associated mass flow computer and performs the same function as the original Alnor flow switch package. These flow switches measure the air velocity of the Diesel Fuel Oil Day Tank Ventilation Fan M-HDN-J02C & D.	This does not introduce an unreviewed safety question. This does not involve a test, and does not require a change to the Technical Specifications. The probability/consequences of an accident previously evaluated have not been increased. This does not alter the system's function or affect the function of other systems. The duct is non-safety related and not important to safety. The probability/consequences of a malfunction of equipment important to safety has not been increased as a result of this change. The possibility of a different type of accident/malfunction has not been created by this change. The margin of safety as defined in the basis of TSs will not be reduced.
DMWO	722012	This DMWO replaced carbon steel steam generator downcomer elbow and pipe section with stainless steel type 316. This is due to erosion/corrosion considerations. All fabrication, installation, inspection of welds and testing was per the requirements of ASME, Section III.	This does not introduce an unreviewed safety question. This does not require a test or a change to the Technical Specifications. This does not alter the functional design, or degrade materials (material is considered an upgrade for erosion/corrosion), therefore, the consequences of previously analyzed accidents are not changed. The probability of a malfunction of equipment important to safety will not be increased. The margin of safety as defined in the basis of Technical Specifications will not be reduced.

Doc Type	Doc Number	Description	Summary
DMWO	740601	This DMWO replaced the existing automatic bus transfer switches E-NNN-D11 and E-NNN-D12 in all three units with new static transfer switches. This reduced transfer time and voltage transient the feedwater control system electronics will see.	This does not introduce an unreviewed safety question. No changes to TSs are required. The physical automatic bus transfers are being replaced with new static transfers switches. This will reduce the transfer time and voltage transient the feedwater control system electronics will see. This modification has no radiological consequences and will not increase the doses to the public above the licensed limits, therefore the consequences of an accident previously evaluated will not be increased. Since there are fewer plant trips there are fewer times equipment important to safety are called on to operate and therefore, the probability of a malfunction of equipment important to safety is reduced (not increased). The margin of safety as defined in the basis of the TSs has not been reduced.
DMWO	741855	This DMWO reviewed the changes proposed to eliminate the gate valve pressure locking concern identified in Generic Letter 95-07 with respect to the Auxiliary Feedwater Isolation Valves 12JAFBUV034, 13JAFBUV035, 13JAFCUV036 and 13JAFAUV034.	This does not introduce an unreviewed safety question. The proposed changed does not involve any tests or experiments and does not require any changes to the Technical Specifications. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. The possibility of any new accidents/malfunctions have not been created by this change. The margin of safety as defined in the basis of the TSs have not been reduced.
DMWO	745021	This DMWO modified the control circuits of JECATV0029 and JECBTV0030 so the valves will go to full bypass position when the Control Room Essential AHU fan is not energized. When the fan is energized, the valves will modulate to maintain Control Room temperature at setpoint. (DCP FJ-HJ-051)	This does not introduce an unreviewed safety question. There will be no tests or experiments involved with the modification, no changes to the TSs are required. The probability/consequences of an accident previously evaluated will not be increased. The probability/consequences of a malfunction to equipment important to safety will not be increased. The proposed modification is intended to prevent condensation on the cooling coil in the air handling unit which could adversely effect the performance of the filter. The possibility of an accident/malfunction of a different type has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
DMWO	766255	This DMWO increased the size of the 125v dc breakers at the Gas Turbine Generators to provide proper coordination with the 13.8 kv control circuit fuses. The 20 amp supply breakers to the 13.8 kv switchgear are undersized. General Electric Co.'s standard for providing fuse protection in their trip circuits is 35 amps, although the trip coil only draws 10 amps. This modification changed the size of 6 molded case breakers and replaced 12 wires and conduit.	This does not introduce an unreviewed safety question. There will be no new tests or experiments introduced and no changes to Technical Specifications are required. The probability/consequences of an accident previously evaluated has not been increased. The gas turbine generators are not required for plant operation or shutdown, only Station Blackout or backup to a diesel generator during midloop operation. The AAC power system is not normally connected to the onsite power distribution system, therefore; failure of the AAC components cannot adversely affect the class 1E power systems. This modification replaced the existing 20 amp breakers with 50 amp breakers to obtain the proper breaker/fuse coordination for the 13.8 kv switchgear control circuit. The probability/consequences of a malfunction to equipment important to safety has not been increased. The possibility of a different type of accident/ malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
DMWO	767776	This DMWO added thermal performance capabilities and PMS points to ERFDADS.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The modification improved and added functionality to ERFDADS through the addition of PMS points and a thermal performance calculator. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. The possibility of creating a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
DMWO	768502	This DMWO deleted the Vibration Trip Switches from the Emergency Diesel Generators. The associated alarms and trip interlocks were also deleted.	This does not introduce an unreviewed safety question. There were no tests or experiments involved with the modification, no changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The elimination of the vibration trip did not affect emergency start for emergency operation of the diesel. The vibration trip is a non-emergency trip that has no trip function when the diesel is started due to AFAS, SIAS or LOP. The probability/consequences of a malfunction to equipment important to safety have not been increased. The vibration trip was installed by the manufacturer, as a protective device for the EDGs. The possibility of an accident/malfunction of a different type has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
DMWO	769512	This DMWO replaced carbon steel pipe to stainless steel pipe for erosion/corrosion reasons. The stainless steel is virtually non-susceptible to erosion/corrosion, and improves the resistance to cavitation as compared to the original material of carbon steel.	This does not introduce an unreviewed safety question. There will be no tests or experiments involved with the modification, no changes to the TSs are required. The probability/consequences of an accident previously evaluated will not be increased. This change is an improvement in the system materials and therefore reduces the risk of failure in the extraction drain system. The use of stainless steel will increase the life of these fittings, therefore the probability of malfunction will be decreased. The possibility of an accident/malfunction of a different type has not been introduced. The use of stainless steel will increase the life of these fittings. The margin of safety as defined in the basis of the TSs has not been reduced.

Doc Type	Doc Number	Description	Summary
DMWO	770928	This DMWO changed alarm and trip setpoints from 1800 and 1845 to 1690 and 1780 psig, respectively for the feedwater pumps discharge pressure instruments (PSH-27/28 and PSH-25X/26X). These new setpoints assure that design limits are supported and that normal operations will not typically cause nuisance alarms.	This does not introduce an unreviewed safety question. There will be no tests or experiments involved with the modification, no changes to the TSs are required. The new setpoint changes improve operability range of the instruments and assure that the design limits are supported. The feedwater pumps pressure instrumentation is not safety related equipment and the changes proposed do not effect any equipment important to safety. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. The possibility of an accident/malfunction of a different type has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
DMWO	771009	This DMWO upgraded the pressure boundary classification of existing instrument lines in the DF system to Quality Class Q by 1) the completion and documentation of design upgrade evaluations, 2) the addition of as-needed tubing clamps and supports to meet OBE and SSE loadings, and 3) the inspection of the installed routing classifications.	This does not introduce an unreviewed safety question. There will be no tests or experiments involved with the modification, no changes to the TSs are required. By removing the need for the active closure function of the excess flow check valves and upgrading the instrument lines, a continuous pressure boundary is provided during all modes of operation which ensures that the safety function of the affected system is maintained. The probability/consequences of an accident previously evaluated have not been increased. Even though this modification did not affect the operation of the DG system, it replaced a system design which produced an allowable system leak with a no leak design. The probability/consequences of a malfunction to equipment important to safety have not been increased. The possibility of an accident/malfunction of a different type has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
DMWO	772558	This DMWO installed four (4) fiber optic cables and one (1) 1585A Datawist(R)/100 Base T cable to support the RMS Minicomputer replacement modification.	This does not introduce an unreviewed safety question. No changes to TSs are required. This modification did not increase the probability of an accident previously evaluated. This change did not increase the probability of a malfunction to equipment important to safety. The use of the subject Siecor 6 & 12 fiber optic and Belden 1585 Datatwist(R)/100 Base T cables which have equivalent design characteristics and rating specified for the application results in no change to the design function of the RMS Minicomputers as evaluated in this 50.59. The margin of safety as defined in the basis of the TSs has not been reduced.
DMWO	772619	This DMWO replaced underground portion of lines CI-101, 103, and 104 from carbon steel to Alloy 20. Alloy 20 has been evaluated for this application. It will outlast the carbon steel for the life of the plant. All welded joints are butt welds, and valves are flanged. All flanged joints have acid shields. Use of Alloy 20 and butt welds will prevent any future leaks.	This does not introduce an unreviewed safety question. No changes to the TSs are required. This modification which replaced the carbon steel piping with Alloy 20 piping did not increase the probability/consequences of an accident previously evaluated in the UFSAR. The probability/consequences of a malfunction to equipment important to safety has not been increased. This modification improved the reliability of CI acid lines and hence the CI system. The possibility of an accident/malfunction of a different type has not been created. The margin of safety as defined in the basis the TSs has not been reduced.
DMWO	772772	This DMWO removed the vent valves from the main steam lines for each unit and removed a vent path used for hydorstatic testing of the main steam lines prior to initial unit operations. The valves were starting to experience leakage past the packing and seat. The vent valves were removed and replaced with a pipe cap. The valves are not required for normal venting and draining activities for maintenance work.	This does not introduce an unreviewed safety question. No changes to TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety has not been increased. This modification did not directly or indirectly impact any structure system or component that is important to safety. The possibility of an accident of a different type or the possibility of a different type of malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
DMWO	773308	This DMWO replaced the originally supplied Roots Blow and Reliance Motor with a Metal Bellows Pump/Motor on the 1,2,3JSQARU0029 Radiation Monitoring skid.	This does not introduce an unreviewed safety question. No changes to TSs are required. The probability/consequences of any accident previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. The new pump will not change the basis function of this radiation monitor. The possibility of creating a different type of accident or malfunction has not been creased. The margin of safety as defined in the basis of the TSs has not been reduced.
DMWO	773328	This DMWO replaced the originally supplied Roots Blow and Reliance Motor with a Metal Bellows Pump/Motor on the 1,2,3JSQBRU0030 Radiation Monitoring skid.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated has not been increased. The new pump to be installed is qualified to a higher service level that it will be called upon to perform during its service in RU30. The probability/consequences of a malfunction to equipment important to safety will not be 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 as a result of this modification.

Doc Type	Doc Number	Description	Summary
DMWO	785094	This DMWO changed out the existing flow orifice with a larger orifice size for Train "A" only in all 3 units. Also included was fabricating the orifice onsite. This increased A Train flow rates to the middle/high end of the design bases flow acceptance band, providing for greater operational margin and allowing the SP A trains to operate at approximately the same flowrates as the SP B trains.	This does not introduce an unreviewed safety question. There will be no tests or experiments involved with the modification, no changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The proposed change makes dimensional changes to the flow resistance orifice plate. This change was made to obtain additional operational margin and, at the same time, ensure that the original design bases for the system was maintained. The probability/consequences of a malfunction to equipment important to safety will not be increased. No new failure modes are being introduced. The possibility of an accident/malfunction of a different type has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
DMWO	791180	This DMWO changed the caustic fill control valve UV-0306 from a ductile iron body, saran lined, diaphragm valve to a ductile iron body, Alloy 20 plug and trim, teflon lined, plug valve.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated has not been increased by this modification. This modification does not directly or indirectly affect any equipment that is important to safety. The probability/consequences of a malfunction of equipment previously evaluated has not been increased. The possibility of a different type of accident or malfunction has not been created by this modification. The margin of safety as defined in the bases of the TSs has not been reduced.
DMWO	792082	This DMWO removed the emergency light fixtures in "Locked High Radiation Areas." This modification reduces the amount of time personnel are required to enter "Locked High Radiation Areas" to perform maintenance. This change requires anyone entering the room to carry a portable battery powered lantern. A warning sign has been attached to the doors of the areas reminding anyone who enters to carry a portable battery power lantern.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The modification did not increase the probability/consequences of any accident previously evaluated. The probability/consequences of a malfunction to equipment important to safety has not been increased as a result of the modification. The removal of the emergency light fixtures did not create the possibility of a different type of accident or malfunction than previously evaluated. The margin of safety as defined in the basis of the TSs has not been reduced.
DMWO	793428	This DMWO replaced the rubber floor in the Condensate Demineralizer Service Vessel with a stainless steel floor, installed an under floor drain valve, modified the resin retention elements, isolated the Service Vessel for work and routed water from the Service Vessel under floor drain valve to a Turbine building floor drain.	This does not introduce an unreviewed safety question. No changes to TSs are required. The probability/consequences of an accident previously evaluated has not been increased. The probability/consequences of a malfunction to equipment important to safety has not been increased. Conditions will not be created that would cause increased challenges to any safety system assumed to function in the UFSAR such that the safety system performance is degraded below the design basis. The possibility of introducing 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.
DMWO	798014	This DMWO made modifications to a P&ID for Instrument Air. The Instrument Air P&ID and several IA design calculations have been modified to include the air supply isolation valve. The calculational changes in air usage is a very small percentage of the total air usage (1.5%) and will have no affect on the overall plant operation.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The physical separation of this sub-system to the turbine generator from any safety-related equipment keeps the probability of a malfunction of safety-related equipment low. The consequences of a malfunction have not been increased due to the physical distance between this panel and any safety-related equipment. The possibility of an accident or malfunction of a different type has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.
DMWO	798086	This DMWO recalibrated the span for Diesel Fuel Oil Storage Tank level indication. New Technical Specifications require a change to the calibrated span of the existing DG storage tank level instrumentation. The new calibrated span ensures that the Technical Specification indicated level requirements will protect the associated DG fuel oil storage tank limits.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The change did not alter the DG start, running, load carrying, or control characteristics. The probability/consequences of a malfunction to equipment important to safety has not been increased. The possibility of creating a different type of accident/malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced as a result of this change.
DMWO	799012	This DMWO replaced carbon steel piping/fitting in line 3PEDNL003 with stainless steel due to erosion/corrosion considerations.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. The possibility of creating a different type of accident or malfunction than previously evaluated has not been introduced. The material will enhance the erosion/corrosion performance with no detrimental effects. The margin of safety as defined in the basis of the TSs has not been reduced.

Doc Type	Doc Number	Description	Summary
DMWO	799774	This DMWO installed permanent walkways on the polar crane rail support structure. The walkway was installed between the crane rail supporting steel and the containment building liner plate. The platforms were installed in the same location that scaffolding was erected every outage. The installation was essential to perform inspections before the polar crane can be used for each outage. Installation of the permanent platforms to replace the scaffolding structures reduces manpower at the beginning and end of each outage.	This does not introduce an unreviewed safety question. No changes to TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The walkways are seismically designed and passive in nature, and do not physically interact with the operating systems inside the containment building. Addition of permanent walkway/access structures does not change the post-LOCA or MSLB evaluations which affect equipment important to safety. The possibility of creating a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TS has not been reduced.
DMWO	805387	This DMWO provided an 8" branch connection on the manhole covers at circulating water manholes CWMH-2, 5 and 6 in all three Units. This provided a new method of dewatering the system, in support of the CW pipe internal inspection.	This does not introduce an unreviewed safety question. No changes to TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. This change did not directly or indirectly impact any structure, system or component that is important to safety. The possibility of a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
DMWO	808627	This DMWO replaced the carbon steel and chromium-molybdenum sections of lines ED-5860GCDB-1" and ED-587-GADA-1" with stainless steel piping in all three units. This material change will eliminate the erosion-corrosion problems associated with CS piping in this type service.	This does not introduce an unreviewed safety question. No changes to TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. This modification did not create the possibility of a different type of accident or malfunction. The margin of safety as defined in the basis of the TSs has not been reduced.
DMWO	809048	This DMWO disconnected all automatic devices from the oily water separator so it can only be operated in a manual gravity flow mode.	This does not introduce an unreviewed safety question. No changes to TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety has not been increased. Changing the oily water separator to totally manual operation will increase its reliability. The possibility of introducing 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.
DMWO	811996	This DMWO modified Containment HVAC support 105-35-62 at 146' elevation in northwest quadrant. The support moved the vertical bracing members to the topside of the support which will provide an unobstructed access to the northwest area of containment.	This does not introduce an unreviewed safety question. No changes to TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. The possibility of creating a different type of accident or malfunction has not been introduced. The new support design utilizes the same seismic design criteria and installation specifications as the existing HVAC support structures which were previously installed inside the containment building. The margin of safety as defined in the basis of the TSs has not been reduced.
DMWO	820210	This DMWO replaced the Unit 1 Reactor Coolant Pump (RCP) shafts with an improved design to eliminate the type of fatigue cracking problems experienced by the Unit 1 RCP 2B in April, 1996. This DMWO allowed installation and operation of the shafts (in the form of pre-assembled seal housing assemblies) in the Unit during the U1R7 outage.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety has not been increased as a result of this modification. The possibility of a different type of accident or malfunction has not been created. All components were bought to the same requirements as the currently installed RCP components to be replaced. The margin of safety as defined in the basis of the TSs has not been reduced.
DMWO	827520	This DMWO installed bond cables between sections of CW pipes, and added new drain boxes and drain cables to the rectifiers to enhance the protection of the CW pipes.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously has not been increased. The probability/consequences of a malfunction to equipment important to safety has not been increased. The changes being implemented are a design equivalent change which restores existing anode beds in the CW Pipeline area. This installation improved the performance of the Cathodic Protection System. The possibility of creating a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
DMWO	835040	This DMWO provided inspection ports for Unit 1 Steam Generator 1. The inspection port was utilized during the Unit 1 Refueling Outage 7 to inspect for and potentially remove foreign objects located above the flow distribution plate.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. There was no increase in the probability/consequences of an accident to equipment important to safety. This modification only affected the secondary side of the steam generator. The possibility of creating a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.

Doc Type	Doc Number	Description	Summary
DMWO	841218	This DMWO replaced portions of the underground pipe from the chemical waste neutralizer tanks to the main oily waste header.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. Piping system is designed and installed to approved plant specifications, procedures and applicable piping codes. 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.
EDC	98-00311	This EDC was a paper change only to correct Auxiliary Building, Control Building, Turbine Building and Fuel Building QA and QB Electrical Load and Plant Layout Drawings to match the plant as-built conditions.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety has not been increased. The physical layout and functions of plant equipment have not been changed by the correction of plant electrical layout drawings and Normal/Essential lighting Schedules. 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.
EDC	98-00125	This Paper Change Only EDC allowed the installation of service flanges in place of the permanent flanges at penetrations U58, Z18 and Z24 during Modes 5, 6, & Defueled to support maintenance activities.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased as a result of this change. The probability/consequences of a malfunction of equipment important to safety have not been increased as a result of this change. The possibility of introducing a different type of accident or malfunction has not been increased. The margin of safety as defined in the basis of the TSs has not been reduced.
EDC	98-00048	This Paper Change Only EDC clarified acceptable NSF approved replacement piping material classification for DS system piping 8 inches and smaller outside of buildings.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated has not been increased. None of the makeup water sources are safety-related since the two spray ponds for each unit contain sufficient water in storage to permit safe shutdown of the unit and to maintain it in a safe shutdown condition for 26 days. The probability/consequences of a malfunction to equipment important to safety have not been increased as a result of this change. The possibility of creating a new type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
MEE	02361	This MEE added Pall Filter 0.1 micron filter elements, APS #00052197, to the bill of material for 1,2,3MCHNF19 & 1,2,3MCHNF36 and allowed their use in the Chemical Volume and Control System. The filter element is, with the exception of mesh size, identical in every way with the current filters that are utilized in the application.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated has not been increased. The change meets existing design specifications, does not degrade or challenge any safety systems assumed to function in the accident analysis, the utilization of 0.1 micron filter elements did not increase the probability or consequences of a malfunction of equipment important to safety. The possibility of a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
ODCM	Rev. 13	This ODCM revision made revisions to Section 6 due to changes in sample locations as a result of the 1998 Land Use Census.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. All air sample equipment is located offsite and does not interface with any plant structure, system, or component and is performed completely outside the power block. 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 increased.
Paper	U1, U2, U3, COLSS UNCERT	This Units 1, 2, and 3 COLSS UNCERT Revision is due to a potential nonconservatism in the ABB-CE LOCA AOR (identified in ABB-CE Infobulletin No. 97-04), the peak Linear Heat Rate (LHR) limit as monitored by COLSS will be lowered by 0.2 KW/ft.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated has not been increased. The probability/consequences of a malfunction to equipment important to safety has not been increased. The COLSS LHR limit would not constitute a physical change to equipment important to safety. The possibility of creating a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
Paper	U3R7	This 50.59 evaluation involved proposed changes for shutdown cooling operation in reduced inventory/mid-loop conditions at reduced times following reactor shut-down with respect to time constraints currently imposed by existing analyses. These changes are applicable to U3R7 only.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. Operation of the SDC system, its components, associated systems, and their components are within design limitations and did not challenge the equipment beyond the current requirements. 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.

Doc Type	Doc Number	Description	Summary
Paper	Sec. Plan # 42	This 50.59 modified selected sections of Amendment 41 to clarify searches of packages and materials. These changes were made pursuant to 10CFR50.90.	This does not introduce an unreviewed safety question. No changes to TSs are required. There are no tests or experiments involved with the revision. The probability of an accident previously evaluated has not been increased. The probability of a malfunction of equipment important to safety has not been increased. The margin of safety as defined in the basis of the TSs has not been reduced.
Procedure	31MT-9IA02	This Procedure revision incorporated requirements from procedure 81DP-0DC17, Temporary Modification Control. The procedure provides an alternate supply of cooling water to the instrument air (IA) system using the domestic water (DS) system when the turbine cooling water (TC) system is out of service. DS water will be provided through drain valves to the instrument air breathing air jacket coolant and aftercooler. Valves on the TC system were aligned so that DS water will flow through the coolers and exit to a nearby floor drain.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. This activity did not directly or indirectly impact any structure, system or component that is important to safety. 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.
Procedure	31MT-9IA03	This Procedure revision incorporated requirements from procedure 81DP-0DC17, Temporary Modification Control. The procedure maintains an instrument air supply to containment during a EPBAS03 bus outage or during steam generator nozzle dam usage in an outage. Instrument air pressure is maintained to containment by installing a hose between the upstream and downstream drain valves of containment isolation solenoid valve JIAAUV0002. This installation defeats the containment isolation function of the solenoid valve and is only allowed in Mode 5 and 6.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. Temporarily providing instrument air around outboard containment isolation valve JIAAUV0002 during cold shutdown and refueling did not create the possibility of a different type of accident or malfunction. The margin of safety as defined in the basis of the TSs has not been reduced.
Procedure	32MT-1NA05, 32MT-1NA06.R2	These Procedure revisions incorporated the installation of temporary power to maintain necessary facilities and/or equipment during maintenance for the 1E-NAN-S05 and S06 electrical supply power buses during plant outages. This was necessary to maintain essential facilities and/or equipment during the periodic maintenance and cleaning of these load centers.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated was not increased. The probability/consequences of a malfunction of equipment important to safety was not increased. The possibility of a different type of accident or malfunction has not been introduced. All the equipment and the electrical power that is used for the temporary supply are non-safety related and the affect of their loss has already been evaluated. The margin of safety as defined in the basis of the TSs has not been reduced.
Procedure	32MT-9NA02.R13	This Procedure, Outage Support Temporary Power for E-NAN-S02 was revised to incorporate five new instructions to support additional needs required for outage activities not previously addressed. The physical change(s) will not be permanent and upon completion of the outage activities all electrically supplied loads will be returned to the design configuration.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. All the equipment that the temporary power supplies must be of like voltage, have adequate capacity to provide the service and be controlled and maintained per established plant procedures. 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.
Procedure	32MT-9ZZ58.R11	This Procedure revision incorporated guidance for the installation of an alternate power supply for BOP-ESFAS Cabinet cooling fans. The procedure is only performed temporarily, under Outage Conditions, when the affected BOP-ESFAS is inoperable.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated has not been increased. The Train this will be installed in will be INOPERABLE; this change is intended to permit the equipment to remain functional, until such time as normal fan power is restored. The probability/consequences of a malfunction of equipment important to safety has not been increased. The possibility of a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
Procedure	33MT-9HF01	This Procedure revision involved the installation of jumpers around the Fuel Building Essential Ventilation System relay contacts to enable operation of the normal supply and exhaust units during an electrical bus outage. The procedure specified that the jumpers are only to be installed during Modes 5, 6, or Defueled, and only when there is no fuel movement in the Fuel Building.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The jumpers will only be installed in the relay during a period of time when the Class 1E "A" train is "Out of Service" and fuel movement is being prohibited. The probability/consequences of a malfunction of equipment important to safety have not been increased as a result of this revision. The possibility of a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.

Doc Type	Doc Number	Description	Summary
Procedure	33MT-9HJ01.R1	This Procedure revision updated the maintenance procedure to comply with implementation of the new Technical Specifications per Amendment 117, to the Palo Verde Operating License. The amendment requires Control Room Essential Filtration System (CREFS) OPERABILITY when in Modes 1 through 6 AND during movement of irradiated fuel assemblies.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences 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 TSs has not been reduced.
Procedure	73DP-9XI01	This Procedure revision involved the deletion of check valve CHE-V440 testing from the Pump and Valve Inservice Testing Program. The IST Program component tables listed a non-existent test for valve CHE-V440. CHE-V440 is not required to be tested in the IST Program, so it has been deleted from the list of tests.	This does not introduce an unreviewed safety question. No changes to TSs are required. This is a documentation change only, no actual testing is being changed. The probability/consequences of an accident previously evaluated has not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. The possibility of creating a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
Procedure	4xOP-xCH01.R33	This Procedure revision provided additional guidance for increasing letdown flow when going from single to double charging pump operation.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. Changing the backpressure control setpoint has no direct effect on the integrity of the letdown piping. The probability/consequences 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 revision did not require any physical change to the letdown subsystem piping. The margin of safety as defined in the basis of the TSs has not been reduced.
Procedure	40OP-0SG01	This 50.59 reviewed installation of the drain rig on V443 and/or V322 when the associated steam trap (SGNM23, SGNM24) is out of service or isolated and/or during normal operations when the existing drain valve (V443, V322) is known to be steam cut and removal of the rig would create a personnel safety hazard wherein plant personnel could be subjected to high pressure steam.	This does not introduce an unreviewed safety question. No changes to TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. The installation of the drain rig will not result in the possibility of a different type of accident or malfunction. The margin of safety as defined in the basis of the TSs has not been increased.
Procedure	40OP-9ZZ14.R7	This procedure revised Appendix K to lift a lead on the Condensate Pump Hotwell low level switch to allow pumping the Hotwell down to the bottom of the sightglass.	This does not introduce an unreviewed safety question. No changes to the TSs are required. Temporarily lifting the lead on the Condensate pump hotwell low level trip switch will not increase the probability or consequences of an accident previously evaluated. This procedure will be performed during an outage, the unit will be in Modes 5, 6 or defueled with the Condensate System out of service when the lead of the condensation pump hotwell low level trip switch is temporarily lifted. The probability/consequences of a malfunction of equipment important to safety has not been increased. The possibility of a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
Procedure	70TI-9SI01.R2	This Procedure revision was generated to address the TMOD preinstallation of temperature indicating M&TE for performing the procedure during U1R7 refueling outage. The installation of this M&TE was controlled as a temporary modification, in accordance with the applicable requirements.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The temporary installation of temperature indicating devices in thermowells, and the performance of 70TI-9SI02, did not change or impact the functional requirements of the shutdown cooling or essential cooling water system as related to their safe shutdown function. 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.
Procedure	73DP-9XI01.R5	This procedure change addressed the deletion of certain DG system valves on the emergency diesel generator (EDG) from the IST Program. The deletions are applicable to all 3 units. These valves are currently tested in surveillance testing procedures. These valves were removed from the IST Program to eliminate administrative discrepancies associated with including these non-ASME valves in the ASME Section XI IST Program. EDG testing is performed in accordance with regulatory guidance. The deletion of these valves is only an administrative change. The testing techniques and monitoring practices remain unchanged.	This does not introduce an unreviewed safety question. No changes to the TSs are required. This change does not increase the probability/consequences of an accident previously evaluated. This change does not affect EDG availability or reliability, because EDG testing and the ability to detect EDG equipment degradation remains unchanged. The EDGs will continue to be started and tested on the same frequency and in the same manner per surveillance test procedures. The probability/consequences of a malfunction of equipment important to safety has not been increased. No new accidents or malfunctions have been introduced as a result of this change. The margin of safety as defined in the basis of the TSs has not been reduced.

Doc Type	Doc Number	Description	Summary
Procedure	73DP-9XI01, 73DP-9XI02	These Procedure revisions updated the PVNGS Pump and Valve IST Program for the second 120-month interval as required by 10CFR50.55a(f)(4)(ii). In addition to the required update, a complete review of the entire program was performed.	This does not introduce an unreviewed safety question. This change does not require any change to the TSs. The probability/consequences of an accident previously evaluated has not been increased. The probability/consequences of a malfunction to equipment important to safety has not been increased. The possibility of a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
Procedure	74ST-9SQ23.R6	This Procedure revision made editorial changes, replaced tolerances (+/- 10% of indication) for the analog calibration of the remote indication unit with (+/- 1% of full scale) and corrected the high range of RU-150/151 analog output to 1 E 08 mr/hr, instead of the 1 E 10 mr/hr as existed in the procedure.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The change to a more restrictive accuracy will not affect the indication except in a positive way. The probability/consequences of a malfunction of 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.
Procedure	74TI-9SP01	This Procedure revision incorporated lessons learned from the Unit 2 outage; incorporated neutralization using sodium hydroxide or sodium carbonate; incorporated changes associated with procedure 70TI-9SP03. Incorporating the neutralization step reduces the time needed to neutralize the treated water by raising the pH, and also enhances the passivation of any exposed steel.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. This change reduced the probability of added corrosion, and did not impact any system materials, flow or heat exchange characteristics. The probability of a malfunction of equipment important to safety has not been increased by this change because this change added conservatism to the process by more rapidly neutralizing the water and aiding passivation of any exposed steel. The consequence of a malfunction of equipment important to safety has not been increased. The possibility of a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
Procedure	90DP-0IP01.R4	This Procedure revision made a change to the description of the PVNGS Quality Assurance Program. The change clarified terminology and more clearly documented PVNGS interpretations of regulatory guidance.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. This change did not involve physical changes to plant equipment, and had no effect on the requirements for inspection, testing, design, operation, or maintenance of plant equipment. 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.
SARCN	3608	This SARCN revised UFSAR Tables 5.3-15 and 5.3-19 to reflect an as found condition. The subject tables describe the reactor vessel material surveillance capsule numbers, their locations and withdrawal schedule. As part of the routine surveillance program, capsule at location 137 deg. was withdrawn for analysis during U3R4. It was found that the capsule withdrawn was No. 4 capsule, not No. 3 as shown in the UFSAR table.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction to equipment important to safety have not been increased. The action did not have any impact on reactor pressure vessel. 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.
SARCN	3620	This SARCN incorporated modifications that installed a new hypochlorite piping system to replace the current underground and above ground PVC system. The new system consists of approximately 330 lineal feet of 1" diameter hypochlorite piping made from carbon steel Kynar lined pipe. The new piping system was installed at each of the three units at a connection to the existing hypochlorite header from water reclamation. The existing tank, pumps, piping and their associated valves and instruments were abandoned in place. This new system will help to eliminate the environmental concerns associated with the current underground pvc piping, which continues to deteriorate.	This does not introduce an unreviewed safety question. This change does not require any change to the TSs. The probability/consequences of an accident previously evaluated has not been increased. The probability/consequences of a malfunction to equipment important to safety has not been increased. The possibility of a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	3678, 3714	This SARCN was the result of a modification. UFSAR Tables 8.3-1 and 8.3-3 have been updated to reflect current motor ratings for Unit 1 and Unit 2. The modification changed an existing valve from a "rising, rotating" stem to a "rising, non-rotating" stem valve and replaced the existing SMC-04 Operator with a SMB-00-10 Operator. This consisted of installing a modifying valve kit to change the stems. The Motor O/L Heaters were replaced, and the existing molded-case circuit breaker was re-calibrated.	This does not introduce an unreviewed safety question. No changes to TSs are required. The replacement Motor Operator is equivalent (or better) in all aspects than the existing Motor Operator, and the new Valve Modification Kit was fabricated under the same original specifications as the original valve, therefore the probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The replacement Valve Operators and Modification Kits are environmentally qualified and seismically qualified to the same requirements as the existing operators and valves.. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined in the basis for the TSs has not been reduced.

Doc Type	Doc Number	Description	Summary
SARCN	3712	This SARCN clarified the commitment to monitor Gas Turbine Generator Reliability in Section 1.8 of the UFSAR. There are three simple changes contained within this LDCR. 1) replace the word "operability" with "availability," to be consistent with site terminology, 2) GTG will be monitored by a Reliability Program and the target reliability is 0.95 per demand for the system, 3) editorial change to renumber in accordance with the added information discussed in the second change.	This does not introduce an unreviewed safety question. There were no tests or experiments involved with the modification, no changes to the TSs are required. There were no physical changes performed to the site based on this SARCN. The target reliability remains the same. The probability/ consequences of an accident previously evaluated have not been increased. The probability of a malfunction to equipment important to safety may actually be reduced by clearly defining the importance of the GTG reliability program in the UFSAR. The consequences of a malfunction of equipment important to safety have not been increased. The possibility of an accident/malfunction of a different type has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	3725	This SARCN removes all pertinent references to the Hittman solidification system which has been abandoned in place in all three units and replaced with connections to facilitate vendor processing systems.	This does not introduce an unreviewed safety question. There will be no tests or experiments involved with the modification, no changes to the TSs are required. The probability/consequences of an accident previously evaluated will not be increased. The probability/consequences of a malfunction to equipment important to safety will not be increased. The possibility of an accident/malfunction of a different type has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	3727	This SARCN was revised to reflect as-built water volumes in SI hot leg injection piping to agree with calculation 13-MC-SI-005.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability of a malfunction of equipment important to safety has not been increased. The consequences of a malfunction of equipment important to safety has 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.
SARCN	3747	This SARCN updated the UFSAR to reflect that the gaseous radwaste system has been modified. The modification ensures that all input is sent through the surge tank prior to transfer into a decay tank. All input gas will be sampled by the surge tank analyzer.	This does not introduce an unreviewed safety question. No changes to TSs are required. The probability of an accident previously evaluated will not be increased. The probability of a malfunction of equipment important to safety will not be increased. This modification introduced a new interface point between the GRS and Sampling System (SS). The new interface is a result of moving the Header Oxygen Analyzer. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	3748	This SARCN revised the UFSAR to correct the misuse of the terms "hot shutdown" and "hot standby" with regard to the essential portions of the AF system operation for design basis events and show the CST reserve volumes for hot standby and cooldown to shutdown cooling entry conditions are combined.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability of an accident previously evaluated has not been increased by this change. The change does not play a direct role in mitigating the radiological consequences of an accident nor affect any fission product barriers since the original design of the CST has not been changed. The probability/consequences of a malfunction of equipment important to safety has not been increased. The proposed change maintains the existing process limits, therefore no new accidents have been introduced. The change did not incorporate any physical changes to the plant, therefore the possibility of a different type of malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	3752	This SARCN amended the UFSAR to denote the possibility of no emergency lighting in Locked High Radiation areas. This change is in accordance with the requirements of NFPA-101-1994. NFPA 101 does not require emergency lighting in areas not normally inhabited.	This does not introduce an unreviewed safety question. No changes to TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The limits, capacities, operation parameters and methods of operation of plant equipment will remain unchanged. The probability/consequences of a malfunction of equipment important to safety have not been increased. The change did not create the possibility of a different type of accident or malfunction than previously evaluated. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	3762	This SARCN updated the UFSAR with respect to the ability to isolate steam generator blowdown. For the most part, this resulted in the removal of the word "continuous" when describing steam generator blowdown. Certain sections were clarified to reflect that the steam generator blowdown monitors can be aligned to the downcomer sample point.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated has not been increased. The possibility/consequences of a malfunction of equipment important to safety has not been increased. The possibility of creating a different type of accident or malfunction was not created as a result of this change. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	3764	This SARCN corrected some inaccurate references and values which were found through an audit of the procedures and DBM. This change is for clarification only and does not change any technical content.	This does not introduce an unreviewed safety question. No changes to the TSs are required. This paper change only does not increase the probability/consequences of any accidents previously evaluated. The probability/consequences of a malfunction of equipment important to safety has not been increased. This paper change only introduces no malfunctions or accidents of a different type. The margin of safety as defined in the basis of the TS has not been reduced.

Doc Type	Doc Number	Description	Summary
SARCN	3767	This SARCN updated UFSAR Figure 7.5-2 (Safety Equipment Status System Control Panel) to reflect the "As-Built" condition of the units Safety Equipment Status System (SESS) Control Panels, JESAUA002A and JESBUA002B, Annunciator Panels, JESAUA0002C and JESBUA0002D, house manual bypass initiate push-button and system status lamps	This does not introduce an unreviewed safety question. No changes to the TSs are required. The possibility/consequences of an accident previously evaluated have not been increased as a result of this change. The possibility/consequences of a malfunction of equipment important to safety has not been increased. A change to the description of the SESS control panel in the UFSAR cannot create or change the probability of any type of accident. This type of change cannot create the possibility of any type of malfunction. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	3769	This SARCN changed the classification of NCEPSV614 and 615 from ASME Code Class 3 to non-ASME classification. These valves were incorrectly identified as ASME Section III, Class 3 in the UFSAR.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The possibility/consequences of an accident previously evaluated has not been increased as a result of this change. The possibility/consequences of a malfunction of equipment important to safety has not been increased as a result of this change. The possibility of a different type of accident or malfunction has not been introduced. This change only affected the over classification (to ASME Class 3) of the subject safety relief valves. A failure of these valves would not create a new type of malfunction. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	3770	This SARCN updated section 11.4.2, so that DAWPS processing area does not need to be maintained at a negative pressure in relation to offices, storage, and outside areas. With the installed exhaust system running, a negative pressure is maintained in the processing area. However, when no processing is occurring, a negative pressure is unnecessary.	This does not introduce an unreviewed safety question. No changes to TSs are required. This change will not increase the possibility/consequences of an accident previously evaluated. The change will not increase the fire load or inhibit the proper function of the DAWPS fire protection system. No safety related equipment is located in the DAWPS facility, therefore there will not be an increase in the probability of a malfunction of equipment important to safety. The possibility of a different type of accident or malfunction than previously evaluated has not been created. The margin of safety as defined in the basis of the TSs has not been decreased as a result of this change.
SARCN	3771	This SARCN updated Section 18.II.F.2 PVNGS Responses to the Requirements of NUREG-0737, Section II.F.2. The summary of actions listed does not accurately reflect the actual assessment and response actions contained in the PVNGS Emergency Operating Procedures. The change specifies the use of the major safety functions which directly support core cooling (Inventory Control, Pressure Control, and Heat Removal) and the general methods used by the EOPs to establish and maintain these safety functions.	This does not introduce an unreviewed safety question. No changes to the TSs are required. This change involved a wording change to the typical key operator actions related to assessment and response to Inadequate Core Cooling. The probability/consequences of an accident previously evaluated has not been increased. This change does not alter the configuration, maintenance or use of any equipment important to safety. The probability/consequences of a malfunction of equipment important to safety has not been increased. The possibility of a different type of accident/malfunction has not been created by this change. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	3772	This SARCN reclassified the quality classifications and seismic categories of the fuel pool transfer canal gate valve, fuel pool transfer tube housing - west end, and fuel pool transfer canal bellows.	This does not introduce an unreviewed safety question. No changes to TSs are required. The probability/consequences of an accident have not been increased. The portion of the IA system being modified is all classified NQR. The probability/consequences of a malfunction of equipment important to safety has not been increased as a result of this reclassification. The modification did not create the possibility of an accident or malfunction of a different type than previously evaluated. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	3776	This SARCN corrected typos and incorporated additional descriptive information identified during PVNGS Review of NRC Generic Letter 96-01.	This does not introduce an unreviewed safety question. No changes to TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The changes were administrative and had no impact on the inputs and assumptions used in the analyses of any accident scenarios discussed in the UFSAR. The probability/consequences of a malfunction to equipment important to safety have not been increased. The change did not present the possibility of a different type of accident or malfunction. The margin of safety as defined in the basis of the TSs has not been increased.
SARCN	3778	This SARCN modified response to UFSAR question 9A.126 to clarify seismic concern for classification of the flexible shroud. This is a change to the description of the seismic classification for the shroud from Seismic Category 1 to say the light weight shroud is attached to the lube oil reservoir by multiple fasteners on each side of the reservoir to assure it will remain functional for a SSE.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. Clarifying the seismic requirements of the RCP lube oil flexible shroud will not affect the ability of the shroud to remain attached in the event of a SSE. The probability/consequences of a malfunction of equipment important to safety will not be increased. The possibility of a different type of accident/malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been increased.

Doc Type	Doc Number	Description	Summary
SARCN	3787	This SARCN incorporated certain detailed administrative requirements expected to be relocated from the Technical Specifications. This change incorporated the details contained in Technical Specifications, essentially intact, into related sections of the UFSAR. No substantial changes to the existing requirements are intended. The wording from some of the relocated requirements may have been modified to make it consistent with UFSAR format and content.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety has not been increased. The change makes no physical change to the plant and has no effect on the basic requirements for inspection, testing, design, operation or maintenance of plant equipment. 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 TS has not been reduced.
SARCN	3788	This SARCN added an additional term, Approved Suppliers List (ASL) to the existing definition Approved Vendors List (AVL) in the UFSAR. The new Material Management Program uses the term Approved Suppliers List (ASL), this term needed to be added to the UFSAR to identify that the terms ASL and AVL are synonymous and may be used interchangeably.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated has not been increased. The probability/consequences of a malfunction of equipment important to safety has not been increased. The addition of a synonymous term, ASL to the existing term AVL, in the quality assurance definitions has no impact on creating a new accident or malfunction type. The margin of safety as defined in the basis for any TSs is not reduced.
SARCN	3789	This SARCN revised the UFSAR to consistently identify when the spray ponds are operated. The UFSAR identified different conditions under which the Essential Spray Pond System (ESPS) is operated. Each identified condition for the ESPS operation was correct, but, between sections, the conditions were not consistent or all inclusive.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased by this change. The possibility of an accident/malfunction of a different type has not been introduced. The margin of safety as defined in the bases of the TSs has not been reduced.
SARCN	3791	This SARCN makes revisions to reflect the change in "off-shift" ERO augmentation staffing times. The current staffing times in the table do not reflect the times in the PVNGS Emergency Plan. The Emergency Plan was revised to the current staffing times in Rev. 13 after the NRC approved the request to revise the augmentation time requirements.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. There were no changes that involved configuration or operation of safety related equipment. 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.
SARCN	3794	This SARCN revised the UFSAR section, Material Specifications for Main Steam and Feed Supply, to allow for the use of stainless steel type 300 series for erosion/corrosion reasons. This change in material will enhance the erosion/corrosion performance with no detrimental effects.	This does not introduce an unreviewed safety question. No changes to the TSs are required. This change is an improvement in the system materials and therefore reduces the risk of failure in the extraction drain system. The probability/consequences of an accident previously evaluated has not been increased. The probability/consequences of a malfunction of equipment important to safety has not been increased. The possibility of creating a new or different type of accident/malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	3802	This SARCN originated during the UFSAR validation of the SI/Shutdown Cooling (SDC) System. The changes are not related to a plant modification. The changes are considered "paper change only" issues. The changes will ensure the accuracy of the PVNGS Licensing Basis.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The changes were not related to a plant modification. The possibility of a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	3806	This SARCN revised UFSAR Section 6.3.1. This change is a result of the Licensing Basis Validation Project. The changes are editorial in nature.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The possibility of creating a new or different type of accident/malfunction has not been introduced. No physical equipment changes or changes in equipment performance were made. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	3808	This SARCN made revisions to reflect revised RWT level requirements to ensure sufficient inventory is maintained as the ESF pump reserve volume.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The RWT water volume was not affected, the ESF volume was simply redefined. The possibility of a different type of accident or malfunction has not been created. The margin of safety which is imbedded in the calculated ESF reserve volume has not been reduced.

Doc Type	Doc Number	Description	Summary
SARCN	3810	This SARCN made changes to the UFSAR as a result of the Licensing Basis Validation Project. The affected sections are 3.9.4, Control Rod Drive Systems, and Chapter 4, Reactor. The changes corrected errors of fact, clarified minor discrepancies and implemented general enhancements to the UFSAR.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The editorial changes do not increase the probability or consequences of accidents previously evaluated. These changes are entirely consistent with the existing safety analyses and safety system design basis performance characteristics. The probability/consequences of a malfunction of equipment important to safety have not been increased as a result of these changes. These changes do not create the possibility of a different type of accident or malfunction than previously evaluated. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	3811	This SARCN deleted the question and response of 10CFR50 App. R deviations in UFSAR 9B.2.0.D and 9B.2.12.1.B.5. These deviations address the wrap for intervening steel in a Thermo-Lag protection envelope which did not meet a tested configuration. PVNGS now only credits one hour Thermo-Lag envelops and wraps intervening steel in accordance with specification 13-MN-169 to meet requirements.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The intervening steel in Appendix R Thermo-Lag barriers is now in accordance with tested configurations and the deviations are no longer required. The probability/consequences of a malfunction of equipment important to safety have not been increased. The possibility of creating a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	3813	This SARCN changed the position titles as listed in the UFSAR from Shift Supervisor to Shift Manager and Site Shift Manager to Site Manager. These title changes are administrative in nature and do not impact the responsibilities, duties, organization structure, shift manning structure or the site organization reporting requirements to or from the Shift Supervisor position and the Site Shift Manager.	This does not introduce an unreviewed safety question. Technical Specification changes were incorporated with the issuance of the Improved Technical Specifications. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety has not been increased. This change was administrative in nature. The possibility of creating a different type of accident or malfunction has not been introduced as a result of this change. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	3814	This SARCN deleted the commitment to the differential pressure switch actuated valves which automatically isolate the AS system piping in the Auxiliary Building upon detection of a High Energy Line Break (HELB).	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety has not been increased. This change is to revise licensing documentation for the Auxiliary Building AS system HELB only, it does not document or justify any alterations to the physical plant. This change will not lead to an accident or failure mode of a different type than those previously evaluated. The margin of safety as defined in the basis of the TS has not been reduced.
SARCN	3816	This SARCN revised the UFSAR to reflect revised predicted essential HA and HJ system cooling coil performance to account for the Palo Verde site atmospheric pressure of 14.2 psia. The values presently reported in the UFSAR are based on the manufacturer's rated conditions at standard conditions at sea level atmospheric pressure of 14.7 psia.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The analytical changes to the predicted heat loads and of the predicted essential cooling coil performance do not alter the probability of an accident previously evaluated. The changes do not affect any systems ability to mitigate the radiological consequences of any design basis event. The probability/consequences of a malfunction of equipment important to safety have not been increased. The possibility of a different type of accident or malfunction have not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	3817	This SARCN corrected Table 3.2-1 which incorrectly identified the Principle Construction Code as (III/B31.1) and the Seismic Category as (I) for the RCP Lube Oil Collection System. This SARCN removed the ASME Section III portion of the Principle Construction Code and changed the Seismic Category to IX.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. This change does not alter the operation, function, or operability of any equipment important to safety and therefore does not increase the probability/consequences of equipment malfunction. The possibility of a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	3818	This SARCN updated the UFSAR to reflect the addition of uncertainty and actinides in the CESEC Decay Heat Model.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The increase in decay heat as a result of the inclusion of uncertainty and actinides did not have any impact on any hardware or software that controls the plant operation. The systems, its components and their relationship did not change. 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.
SARCN	3820	This SARCN revised UFSAR sections for the Containment Isolation System, to clarify that the listed valve closure times are actually valve stroke times.	This does not introduce an unreviewed safety question. No changes to TSs are required. There are no impacts or changes to the design, material, and construction standards applicable to the Containment Isolation System. The probability/consequences of an accident previously evaluated have not been increased. No equipment important to safety was impacted by the modification. The possibility of a different type of accident or malfunction has not been introduced as a result of the modification. The margin of safety as defined in the basis of the TSs has not been reduced.

Doc Type	Doc Number	Description	Summary
SARCN	3822	This SARCN corrected an inconsistency discovered between the UFSAR and the Emergency Operating Procedures (EOPs).	This does not introduce an unreviewed safety question. No changes to TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety has not been increased. The possibility of a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	3823	This SARCN revised the UFSAR regarding the available and required Net Positive Suction Head (NPSH) for the Emergency Core Cooling System (ECCS) and the Containment Spray System (CSS) pumps.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The changes reflect additional conservatism in the supporting design basis calculations which confirm the adequacy of the as-built configuration and plant operation. The possibility of creating a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	3841	This SARCN clarified the response time requirements for radiation monitor RU-37/38. These radiation monitors initiate the containment purge isolation function.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. This paper change affected the requirement for the signal initiation time, not the actual response of the monitor. The possibility of a different type of accident or malfunction has not been created. Neither the functions nor the functioning of the radiation monitors were affected by this change. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	98-F001	This SARCN will revise Section 11.4 to allow maintenance activities in the Dry Active Waste Processing and Storage Facility (DAWPS), clarify descriptions and delete unnecessary detail.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident/malfunction previously evaluated will not be increased. The fire loading of the sprinkler system has been evaluated and the maintenance activities will not exceed the combustible load limits of the FP system in the DWAPS. The possibility of creating a different type of accident or malfunction has not been created. The DAWPS facility is a stand alone building, and has no interface with safety related equipment. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	98-F002	This SARCN will change the UFSAR commitments affecting EDG Testing. A new commitment to Regulatory Guide 1.9, Rev. 3 will be made, superseding the current commitment to Rev. 0. The commitment to Regulatory Guide 1.108, Rev. 1 will be withdrawn. Various sections of the UFSAR will be updated to reflect these changes in Regulatory Guide commitments.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety will not be increased. This change does not make any physical changes to plant equipment that could change the failure mechanism. The possibility of creating a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	98-F003	This SARCN clarified Section 9.5.3.1.3 to state that Design and Installation of the plant lighting systems in accordance with the guidance provided in the National Electric Code (NFPA No. 70-1975/ANSI C1-75) does not include use of field marking of the disconnecting means for each load. This makes the UFSAR consistent with current field labeling practices for plant lighting. APS uses another method to assure that loads associated with specific disconnects are identified.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The physical layout and functions of plant equipment have not been changed by the clarification of the requirements related to plant lighting labeling. The possibility of creating a new or 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.
SARCN	98-F004	This SARCN added valve HPAUV0024 to UFSAR tables 6.2.4-1, 6.2.4-2, and 6.2.4.3 as a containment isolation valve.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated has not been increased. The change did not physically change the plant or how it operates. The probability/consequences of a malfunction of equipment important to safety has not been increased. The valve will operate the same as it has in the past and is now only being classified as a containment isolation valve. The possibility of creating a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	98-F007	This SARCN modified the Unit 1 Spent Fuel Pool (SFP) configuration to expand the size of Regions 1 and 3, and to decrease the size of Region 2. This change represents a net change of zero, so that the total number of blocked cells and the total number of allowed storage locations will not be changed. The eligibility criteria for each of the three regions has not been changed.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. Given that there are no changes in the inventory or removal, the probability/consequences of a malfunction of equipment important to safety have not been increased. No new accidents or malfunctions have been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.

Doc Type	Doc Number	Description	Summary
SARCN	98-F008	This SARCN incorporated EPRI guidance (revisions to both primary and secondary water chemistry guidelines), as well as Revision 4 of CENPD-28.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety has not been increased. The changes are brought about from the incorporation of the latest revisions of the EPRI primary and secondary water chemistry guidelines. More stringent secondary chemistry controls are expected to continue to reduce the rate of steam generator tube degradation. The possibility of a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	98-F010	This SARCN added an administrative note to specify the NRC guidance for requesting approval to changes to the reactor vessel surveillance specimen withdrawal schedule.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased by adding this administrative note describing NRC guidance. The probability/consequences of a malfunction of equipment important to safety have not been increased. The possibility of a different type of accident/malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	98-F011	This SARCN removed Regulatory Guide 1.97 requirement to sample the Auxiliary Building Radwaste Sump (ABRWS) from the UFSAR.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety has not been reduced. The possibility of a different type of accident or malfunction has not been created. This is an administrative change that eliminated a previously required sample point. The change did not involve a physical change to the facility. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	98-F014	This SARCN was implemented to ensure that during refueling operation (fuel transfer from core to spent fuel pool) visibility of refueling pool would be maintained at highest possible level and exposure to refueling operators and workers in the containment are ALARA. The change included an additional option of running the PC clean-up aligned with refueling pool during the fuel transfer.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety has not been increased. The possibility of creating a different type of accident or malfunction has not been introduced. Administrative procedures are in place to ensure that the event remains within the analyzed and reviewed scenarios evaluated in the UFSAR and the SERs. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	98-F016	This SARCN was a result of the UFSAR validation project. Inconsistent statements regarding diesel generator unloaded operation were found during the review, and were reworded.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment have not been increased. The changes did not lead to any changes in Palo Verde diesel generator maintenance or operation. The possibility of creating a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	98-F017	This SARCN incorporated additional administrative requirements being relocated from the Technical Specifications into the UFSAR. The wording for some of the relocated requirements were modified to make it consistent with UFSAR format and content. The added information clarified that other portions of the UFSAR contain QA Program requirements subject to control in accordance with 10CFR50.54(a). This change clarified the quality classification of items within the scope of the QA program.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously analyzed have not been increased. The probability/consequences of a malfunction of equipment important to safety has not been increased. This change did not involve a physical change to plant equipment and has no effect on the basic requirements for inspection, testing, design, operation, or maintenance of plant equipment. 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.
SARCN	98-F019	This SARCN clarified sections 10.1 and 10.4.4.2 to show the CE interface requirement for steam flow to the condenser from the SBCS to be a minimum of 55% of total steam flow.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. This change had no physical effect on the operation of equipment or the operating plant. The possibility of a different type of accident or malfunction was not created. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	98-F021	This SARCN made changes to Chapter 8 of the UFSAR as a result of the Licensing Basis Validation Project review.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment have not been increased. The possibility of an accident or malfunction of a different type has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.

Doc Type	Doc Number	Description	Summary
SARCN	98-F024	This SARCN revised the UFSAR to reflect the as-built installations and systems that in the event of a rain storm, the collected rain water will be tested and treated prior to release to the ground surface. The release can be either by pumping out or draining through the embedded drain pipe.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. This change only affected the method of how the collected rain water inside a curb/berm is actually drained to the ground surface. The probability/consequences of a malfunction of equipment important to safety has 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.
SARCN	98-F029	This SARCN added a small passive heat sink to Containment resulting from permanent storage of the man basket and test weight within containment during power operations.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The storage of the man basket and test weight in Containment is a passive act, with no causal connection to an operating process, system, or component. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	98-F031	This SARCN added a reference to, and a description of the Technical Requirements Manual (TRM) to a new UFSAR section 13.7. The change also relocated and edited the description of the component lists from section 13.5.1 to the new section 13.7, to reflect the placement of the components in the TRM (instead of procedures).	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The change does not change the form, fit, function, operation, maintenance, or any other aspect of any structure, system, or component. 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.
SARCN	98-F044	This SARCN deleted the position in UFSAR Section 1.8 for Reg. Guide 1.137 to sample the diesel fuel storage tank in accordance with ASTM D4176-82.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. There were no physical changes made to the plant. The change did not affect the form, fit, or function of the EDG, and did not affect the EDG reliability or availability. 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.
SARCN	98-F051	This SARCN revision added inclusion of the Hardened Barrier Access Control Points as being on the dedicated Safe Shutdown Path.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The hardened barriers are passive in nature and are located outside of the control building and the condensate pumphouse. They do not support any NSSS system operability. 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.
SARCN	98-F061	This SARCN incorporated the final as-built analysis of the modification to the CVCS Letdown Line Piping. The revision also identified a change in the location of an arbitrary intermediate High Energy Line Break (HELB).	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. Relocating the HELB break-point does not impact any safety related equipment. 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.
SARCN	98-F064	This SARCN was a result of calculation revisions and Technical Specification changes. The changes included incorporation of new atmospheric dispersion factors in chapter 2.3, changes to RWT tank rupture event in section 2.4, source term changes in section 6.3 and various corrections.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. Neither the existing plant configuration nor plant operating processes were altered by this change. 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.
SARCN	98-F075	This SARCN revised the UFSAR to reflect changes made to the plant in the Domestic Water (DS) and Demineralized Water (DW) systems.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The malfunction or failure of a component in the DW or the DS system will have no effect on any safety-related system or component. 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.

Doc Type	Doc Number	Description	Summary
SARCN	98-F076	This SARCN added piping and valves to the Demineralized Water System (DWS) that allowed makeup demineralized water to be transferred directly from the makeup demineralizer beds to DW storage tanks at each power block unit, bypassing the water reclamation facilities DW surge rinse tank (SRT). This modification allows the DWS to stay in service while working on the SRT.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The design function of the DW system, to deliver adequate quantity and quality of degasified/demineralized water to unit storage tanks, has not been altered with this modification. 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.
SARCN	98-F077	This SARCN was generated as a result of changing the Fire Protection Diesel run times from weekly to monthly, one additional exception to NFPA 20 (1976), Section 8-6.1, needed to be identified.	This does not introduce an unreviewed safety question. No changes to TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. Running the FP Diesel's monthly and for a longer period, 1 hour, will help ensure the availability of the FP Diesel's to perform their intended function. 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.
SARCN	98-F088	This SARCN corrected the description for Fire Protection Alarm displays. This section was found to be incorrect and did not reflect plant practices.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. These editorial corrections did not affect any existing maintenance, fire protection or security operations testing. The probability/consequences of a malfunction of equipment important to safety have not been increased. The possibility of creating 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.
SARCN	98-F089	This SARCN revision was the result of a revision to the EQ Program Manual. The revision included 1) incorporation of location/compartment specific containment normal radiation doses from existing PVNGS documentation, and 2) clarifying an existing position with regards to qualification of equipment to beta radiation doses outside containment.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The possibility of a different type of accident or malfunction have not been created. The changes were documentation related and did not impact the design, physical configuration, operation of equipment, or qualification of equipment to the normal and total radiation doses. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	98-F102	This SARCN revised UFSAR section 18.II.K.3.25 which described a test program and associated results for the originally installed RCP seals. Plant modifications replaced the RCP seals with Sulzer Bingham seals. Therefore the UFSAR was updated to reflect the Sulzer Bingham seal testing information.	This does not introduce an unreviewed safety question. No change to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The possibility of a different type of accident or malfunction have not been created. The new seals use existing plant equipment and do not change nominal flows, pressures, or temperatures for the seals or the support equipment. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	98-F107	This SARCN involved changing text in the UFSAR as a result of the Licensing Bases Validation Project. This change added a phrase to UFSAR 12.3.2.2.9 stating that areas with dose rates greater than 0.5 mrem/hr around penetrations and manways are administratively controlled.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. This change involved modifying the UFSAR text to reflect current radiological conditions for tanks located in plant yards. The possibility of a different type of accident or malfunction has not been created. This change involved clarifying the fact that dose rates in a small area around the RWT manway may exceed 0.5 mrem/hr. The margin of safety as defined in the basis of the TSs has not been reduced.
SARCN	98-F118	This SARCN corrected the "Direct Trip Devices" detailed description.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of 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 TSs has not been reduced.
SPEC	13-CN-211	This Specification revision added new Temporary Shielding Packages (TSP's) and other editorial changes and clarifications.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased as a result of this change. The probability/consequences of a malfunction of equipment important to safety have not been increased as a result of this change. Accident analysis will not be affected since piping system integrity and ASME code requirements are maintained. The possibility of a different type of accident or malfunction will not be created since the piping system will be maintained within ASME stress limits. The margin of safety as defined in the basis of the TSs has not been reduced.

Doc Type	Doc Number	Description	Summary
TMOD	1-97-PW-006	This TMOD installed portable cooling towers to provide cooling to one of the NC heat exchangers during plant cooling water system outage. The PW system cools NC heat exchangers during all modes of unit operation. This TMOD installed portable cooling towers to provide cooling to one of the NC heat exchangers during plant cooling water system outage in modes 5 and 6.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety has not been increased. The installation of this TMOD utilizing portable cooling towers to remove heat load from the NC system will not create the possibility of a different type of accident or malfunction that previously evaluated in the UFSAR. The margin of safety as defined in the basis of the TSs has not been reduced.
TMOD	1-97-RC-007, 1-97-RC-012	This TMOD added isolation valves in the process line for the Pressurizer Pressure transmitters 1JRCDPT0101D and 2JRCCPT0101C.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased: The probability/consequences of a malfunction of equipment important to safety as not been increased. The ability of the instruments to perform their intended safety functions is not reduced since the redundancy, separation, integrity and performance of the devices is maintained. The possibility of creating a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
TMOD	1,2-98-CI-001, 3-98-CI-002	These TMODs removed valves 13PCINV393 (Unit 1), and 394 and installed suitable plugs at pipe ends.	This does not introduce an unreviewed safety question. No changes to the TSs are required. This TMOD improved the reliability of acid piping and hence the CI system, compared to present conditions. The probability/consequences of an accident previously evaluated will not be increased as a result of this modification. The probability/consequences of a malfunction of equipment important to safety will not be increased. This modification will not directly or indirectly impact any safety related equipment. The possibility of creating a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
TMOD	1-98-CI-010	This TMOD added a temporary pressure monitor downstream of drain valve PCINV393 to measure fluid pressures inside portions of pipe lines PCINL101 and PCINL103 when all of the isolating valves are closed.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The possibility/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety has not been increased. This TMOD did not impact any system, structure, or component that was important to safety. 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.
TMOD	1-98-CM-011	This TMOD field-routed a flexible hose from the Unit 1 CWNTs to the OW header. This allowed the CWNTs to be gravity drained at a higher rate than normally encountered.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety has not been increased. The possibility of a different type of accident or malfunction has not been created. The installation and operation of this TMOD did not reduce the margin of safety as defined in the basis of the TSs. This TMOD offered a paralleled flow path to an existing flow path from the CWNT. This is a non-safety relafed component in a non-safety related system and does not affect any equipment mentioned in the Technical Specifications or the Technical Specification Bases.
TMOD	1-98-FH-007	This TMOD installed a jumper around limit switch 2LS-BV on the Fuel Transfer System to allow operation of the upender.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The refueling equipment will still be operated as designed. Fuel will still be handled in accordance with established procedures. The possibility of a different type of accident or malfunction has not been introduced. The margin of safety as defined in the basis of the TSs has not been reduced.
TMOD	1-98-RC-003	This TMOD allowed Rosemount pressure transmitters to replace Barton pressure transmitters in the Pressurizer Pressure channels.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated have not been increased. The new Rosemount transmitter will function in the same manner as the Barton transmitter. The probability/consequences of a malfunction of equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The basic system design and operation parameters have not been changed. The margin of safety as defined in the basis of the TSs has not been reduced.
TMOD	1-98-RC-008	This TMOD allowed Rosemount pressure transmitters to replace Barton pressure transmitters in the pressurizer pressure channels. This TMOD specifically replaced Unit 1 transmitter RCD-PT-0101D.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment has 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.

Doc Type	Doc Number	Description	Summary
TMOD	1-98-SC-015	This TMOD replaced the Acid Day Tank with a tanker as the source of sulfuric acid for the Condensate Demineralizer Regeneration system.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. This TMOD was not installed on or near any equipment that is associated with nuclear safety. The margin of safety as defined in the basis of the TSs has not been reduced.
TMOD	1-98-SH-009	This TMOD disables the number five (5) sensor heater and installed a load resistor to simulate the heater circuit allowing the number one (1) sensor to remain operable.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of an accident previously evaluated has not been increased. The probability/consequences of a malfunction of equipment important to safety has not been increased. The complete failure of the TMOD would result in a condition that was present prior to installation of the TMOD and would not cause an accident or malfunction of a different type. The margin of safety as defined in the basis of the TSs has not been reduced.
TMOD	3-98-IA-012	This TMOD installed a pneumatic jumper on the Turbine Building Instrument Air (IA) header between valve PIANV390, just down stream if the IA dryers, and the Tendamatic control panel for the IA compressors.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. Keeping the IA header pressurized in the normal mode of IA system operation will not affect any equipment important to safety. 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.
TMOD	3-98-PW-006	This TMOD installed portable cooling towers (with construction power from Mobile Substation "R" and portable DG for back-up) to provide cooling to one of the NC heat exchangers during PW system outage.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of 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.
TMOD	3-98-RC-001	This TMOD removed a Barton Pressure transmitter 3J-RCN-PT-0100X Model 763A from service and replaced it with a Rosemount 1152.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety has not been increased. There are no known scenarios in which the replacement Rosemount transmitter could create a different type of accident or malfunction than could the Baton transmitter. The margin of safety as defined in the basis of the TSs has not been reduced.
TMOD	3-98-RC-009	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 U3R7 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/consequences of an accident previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The possibility a different type of accident or malfunction has not been created. The margin of safety as defined in the basis for any TS has not been reduced.
TMOD	3-98-SH-008	This TMOD disabled the number eight sensor heater and installed a load resistor to simulate the heater circuit allowing the number four sensor to remain operational.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. This TMOD did not increase the probability/consequences of a malfunction of equipment important to safety. 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.
TMOD	3-98-SH-013	This TMOD disabled the number three sensor heater and installed a load resistor to simulate the heater circuit allowing the number seven sensor to remain operational.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The TMOD did not create an accident or malfunction of a different type. The margin of safety as defined in the basis of the TSs has not been reduced.
TRM	Rev. 0	This TRM revision changed the note in TRM 3.3.200 from "between 15 and 80%" to "between 20 and 80%." The change was a correction of an inconsistency between the TRM and the ITS and ITS Bases. This was part of the conversion from Current Technical Specifications to Improved Technical Specifications.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. There is no change in procedure process, or equipment function as a result of the change. Making the TRM requirement for calibration consistent with the ITS requirement will not increase the probability or consequences of a malfunction of equipment important to safety. The possibility of an accident or malfunction of a different type has not been created. The margin of safety as defined in the basis of the TSs has not been reduced.

Doc Type	Doc Number	Description	Summary
TRM	Rev. 0	This TRM revision deleted a Special Report requirement. The Special Report requirement was contained in TRM T3.4.205 due to the redundant nature of TRM T3.4.205 and ITS 3.4.16 C1. This was part of the conversion from Current Technical Specifications to Improved Technical Specifications.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The Special Report is still required per ITS 3.4.16. The possibility of a different type of accident or malfunction has not been created. There is no reduction in the margin of safety as defined in the basis of any TSs.
TRM	Rev. 0	This TRM revision made the vent valve requirements in the TRM match the isolation valve requirements in the ITS. This was part of the conversion from Current Technical Specifications to Improved Technical Specifications.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety has not been increased. This change did not result in any hardware changes or changes to plant operating practices nor did it affect plant operation. The possibility of a different type of accident or malfunction has not been created. There is no reduction in the margin of safety as defined in the basis for any TSs.
TRM	Rev. 0	This TRM revision deleted special test exceptions 3.10.3, 3.10.6, 3.10.7, 3.10.8, 3.10.9. These special test exceptions were relocated from the Technical Specifications to the TRM. Each of the Special Test Exceptions (STE) have been evaluated and it was determined that they were no longer required. This was part of the conversion from Current Technical Specifications to Improved Technical Specifications.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The testing was either one time testing to support initial startup, or determined by engineering to be no longer applicable to PVNGS. None of the STEs being deleted will result in a decrease or elimination of required testing. The possibility of a different type of accident or malfunction has not been created. There was no reduction in the margin of safety as defined in the basis of any TSs.
TRM	Rev. 0	This TRM revision resulted in a reduction in action requirements for RCS Reactor Head Vents. Specifically, changes the applicability of TRM 3.4.104 to Modes 1, 2, 3 and Mode 4 with RCS pressure greater than or equal to 385 psia. Changed action D of TRM 3.4.104 to ensure plant is taken to Mode 4 with RCS pressure < 385 psia within 24 hours if the required actions cannot be met. This was part of the conversion from Current Technical Specifications to Improved Technical Specifications.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. This change was acceptable because the end-state action to reduce RCS pressure to less than 385 psia would ensure that the plant is in a condition where the LCO is no longer applicable. The possibility of a different type of accident or malfunction has not been created. There is no reduction in the margin of safety as defined in the basis of any TSs.
TRM	Rev. 0	This TRM revision changed the 31- day staggered test requirement to a 31-day requirement, changed the Fuel Building pressure test from once every 18 months on a non-staggered basis to an 18-month staggered basis. Changed applicability of TRM to match ITS. This was part of the conversion from Current Technical Specifications to Improved Technical Specifications.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. The changes in the testing requirements (staggered vs. non-staggered), and the applicability change did not change the FBEVS functions or method of performing the functions. The margin of safety as defined in the basis of the TSs has not been reduced.
TRM	Rev. 0	This TRM revision resulted in a reduction in action requirements for Incore Detectors (TRM 3.3.102). The change consisted of the removal of the option to use a moveable incore detector in place of a fixed incore detector. The movable incore detectors have been removed from the plant. This was part of the conversion from Current Technical Specifications to Improved Technical Specifications.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. This was an editorial change to remove inaccurate information from the TRM. 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.
TRM	Rev. 0	This TRM change, changed the applicability requirements in TRM 3.3.108 from "with irradiated pool in the storage pool" to "During movement of irradiated fuel assemblies in the fuel building." Delete action 22 of CTS table 3.3-6 and added actuation logic and manual trip for FBEVAS. This was part of the conversion from Current Technical Specifications to Improved Technical Specifications.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. None of the three changes affected the performance of the fuel building essential ventilation system. The margin of safety as defined in the basis of the TSs has not been reduced.

Doc Type	Doc Number	Description	Summary
TRM	Rev. 0	This TRM revision resulted in a reduction in action requirements for Post Accident Monitoring System (TRM 3.3.105). The scope of this evaluation made two changes to the instrumentation that was relocated from ITS to the TRM. The changes were approved by the NRC in the PVNGS conversion from CTS to ITS for the Type I and Catagory A Post Accident-Monitoring Instrument (PAMI) that were kept in the ITS and not relocated to the TRM. This was part of the conversion from Current Technical Specifications to Improved Technical Specifications.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. This revision made the allowed outage time (AOT) requirements for the PAMI consistent between the TRM and the ITS. The probability 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.
TRM	98-R009	This 50.59 was written to review the initial issuance of the PVNGS Technical Requirements Manual (TRM). The TRM was created to contain requirements that were previously in the Technical Specifications. After relocation, technical changes to a relocated requirement are handled on separate 50.59s. The TRM has three main elements involved which are: Relocation of CTS requirements per the Split Report; Relocation of portions of CTS requirements per the ITS Sections; and Administrative, editorial and clerical changes that were needed to construct the TRM.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The three elements involved to create the TRM are primarily administrative in nature and are needed to be completed in order to carry out the actions identified in the License Conditions issued to PVNGS as part of TS Amendment No. 117 which approved the ITS for PVNGS. 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.
TS Bases	98-B004	This Technical Specification Bases change added a statement to Section SR 3.3.6.2, taken directly from the NRC's SER on CEN-403, Rev. 1, regarding surveillance test evaluation in the event of two or more ESFAS subgroup relay failures in a 12-month period.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. This change did not make any physical changes in the plant. 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.
TS Bases	98-B010	This TS Bases revision clarified which components can be isolated and maintain the Essential Cooling Water system operable. Revised the bases to specifically state that Essential Cooling Water (EW) can be isolated to the Essential Chiller while maintaining the EW system operable.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. This change allowed for EW to be isolated to the Essential Chiller and have EW remain operable. The bases was revised to provide the needed clarification as to which components can be isolated while maintaining EW operability. The possibility of a different type of accident or malfunction has not been created. This change does not reduce the margin of safety as defined in the bases for any TS.
TS Bases	98-B011	This TS Bases revision clarified which components can be isolated and maintain the Essential Spray Pond system operable. Revised bases to specifically state that Emergency Diesel Generator coolers can be isolated while maintaining the Essential Spray Pond (ESPS) system operable.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. This change allowed the ESPS system to remain operable with the EDG cooler isolated. The bases was revised to provide the needed clarification as to which components can be isolated while maintaining ESPS operability. The possibility of a different type of accident or malfunction has not been created. This change does not reduce the margin of safety as defined in the bases for any TS.
TS Bases	98-B012	This TS Bases revision clarified which components can be isolated and maintain the Essential Chilled Water system operable. Revised bases to specifically state that the isolation of Essential Chilled Water (EC) to any single cooling coil is allowed while maintaining the EC System operable.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The change to allow the EC system to remain operable while a single room cooler is isolated enhances the plant's ability to mitigate an accident due to the remaining safety systems dependent on EC remaining operable. The possibility of a different type of accident or malfunction has not been created. This change does not reduce the margin of safety as defined in the bases for any TS.
TS Bases	98-B013	This TS Bases change revised SR 3.7.5.5 to be consistent with wording of Applicable Safety Analysis of LCO 3.7.5. Also corrected a reference in basis for SR 3.7.5.2 that mistakenly refered to ASME Code subsections for valve testing when the intent was to refer to subsection for pump testing.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of equipment important to safety have not been increased. The possibility of a different type of accident or malfunction has not been created. 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.

Doc Type	Doc Number	Description	Summary
TS Bases	98-B024	This TS Bases revision clarified the operability requirements associated with the DC Sources and inverters during Modes 5 and 6 and during movement of irradiated fuel assemblies.	This does not introduce an unreviewed safety question. No changes to the TSs are required. The probability/consequences of accidents previously evaluated have not been increased. The probability/consequences of a malfunction of 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 for any TSs has not been reduced.
WO	768699	This WO installed a Temperature Monitor on 1JSSAUV0205. The self-powered temperature monitoring equipment installed on 1JSSAUV0205 will determine actual equipment temperature for equipment qualification purposes.	This does not introduce an unreviewed safety question. No changes to TSs are required. The equipment is extremely small and light and its installation will in no way impact the operation of any plant equipment, therefore the probability/consequences of an accident previously evaluated will not be increased. The equipment will be installed external to 1JSSAUV0205. The probability/consequences of a malfunction of equipment important to safety will not be increased as a result of the installation of the EQ temperature monitor. The possibility of a different type of accident or malfunction has not been created. The margin of safety as defined by the basis for the TSs has not been reduced.