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JSPLTR: #96-0185

October 14, 1996

Director, Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
Washington, DC 20555

Attention: Document Control Desk

Subject: 1996 Third Quarter 10 CFR 50.59 Report
Dresden Nuclear Power Station
Commonwealth Edison Company
Docket Nos. 50-010, 50-237, and 50-249

Enclosed is the third quarter 1996 Report of Changes, Tests, and Experiments per 10 CFR 50.59 for Dresden Nuclear Power Station. These evaluations correspond to the conditions identified in 10 CFR 50.59(a)(2) for determining whether a proposed change, test or experiment shall be deemed to involve an unreviewed safety question.

Sincerely,

J. Stephen Perry
Site Vice President
Dresden Station

JSP/SR:ks

Enclosure

cc: A. Bill Beach, Region III Administrator
J. F. Stang, Project Manager, NRR
C. L. Vanderniet, Senior Resident Inspector, Dresden
Office of Nuclear Facility Safety - IDNS

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10 CFR 50.59 Quarter 9603
Safety Evaluation Summary Report

Safety Evaluation Number: 9603 148 Type of Safety Evaluation: FSAR Change

Evalutaion Reference Number: SEC. 3.7, 3.8, 3.9

Title: Corner Room Structural Steel

Description: This UFSAR revision implements the provisions of J. S. Perry letters JSPLTR 96-0080 and JSPLTR 96-0082 as approved by the NRC (License Amendment No. 144 to Facility Operating License Number DPR-25). This allows operation of Unit 3 on an interim basis with qualification of the corner room structural steel based on Reg. Guide 1.61 damping values and excepting the corner room steel from requirements to meet acceptance criteria for stress levels for OBE loading combination. In addition, reference to the SER (see item 2) is provided in the UFSAR for evaluation of piping systems and concrete expansion anchor assemblies.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 149 Type of Safety Evaluation: Exempt Change

Evalutaion Reference Number: EC E12-2-96-208

Title: Add 3/4" SR Ck vlvs to reactor recirc pump

Description: The scope of the change is to add two 3/4 inch safety related check valves in series to each reactor recirculation pump (RR) seal purge line in the vicinity of the containment penetration. Additionally, test taps are added to each line to facilitate leakage testing. The RR seal purge water is then directed through the drywell penetration to the RR pump seal cavity by the instrument line. It has been verified that the existing instrument line flow check valves will stay open with reverse flows up to 2 gpm and when closed is designed and tested to leak 0.2 gpm, to facilitate reopening of the valve.
The purpose of the new check valves are to close post-LOCA to prevent the leakage of post-LOCA containment fluid outside the primary and secondary containment through the CRD system. By a review of the system arrangement, it was concluded that containment atmosphere cannot leak through this path.
Backleakage through these lines could occur any time the CRD pumps are off and there is a slightly greater pressure or static head in the reactor, including LOOP conditions. The only existing backflow prevention in the CRD system was CRD pump discharge stop check valves, which are non-safety related and not currently tested.
Both redundant check valves will be placed in the seal purge line as close as practical to the connection to the instrument line. The instrument line excess flow check valve is between the seal purge line connection and the drywell penetration. The existing excess flow check valve and a single new check valve provide two valves in series. To provide redundant protection against secondary containment bypass flow through the seal purge into the CRD system, a second new check valve was added.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 150 Type of Safety Evaluation: FSAR Change

Evalutaion Reference Number: UFSAR Sec. 8.3.1.4.4

Title: Eliminate Safety Related from Description

Description: Update UFSAR Section 8.3.1.4.4 "Computer Bus", Page 8.3-9. Eliminate "Safety Related" from the description of the 250VDC computer UPS battery. Also, remove the reference that made this change from the end notes.

Result: This evaluation determined that an unreviewed safety question did not exist.

10 CFR 50.59 Quarter 9603
Safety Evaluation Summary Report

Safety Evaluation Number: 9603 151 Type of Safety Evaluation: FSAR Change

Evalutaion Reference Number: SECTION 6.2.5.5.2

Title: DELETE LOG RAD MONITOR FROM DESCRIPTION

Description: This change deletes the log rod monitor channel from the description in paragraph 6.2.5.5.2 of the UFSAR. The UFSAR description in paragraph 7.3.2.3.G and 6.2.5.5.2 now agree with the installed configuration in the plant.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 152 Type of Safety Evaluation: FSAR Change

Evalutaion Reference Number: FSAR 8.3.1.6.5.2

Title: Derating of power cables.

Description: The derating of power cables routed in cable pan system is being outlined to reflect the current methodologies.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 153 Type of Safety Evaluation: FSAR Change

Evalutaion Reference Number: UFSAR 12.5.1

Title: Editorial Change in UFSAR Sec. 12.5.1

Description: Editorial change to titles in UFSAR Section 12.5.1.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 154 Type of Safety Evaluation: Miscellaneous

Evalutaion Reference Number: RUFSAR REV. FORM 21-06A

Title: REV. OF RUFSAR SECTION 6.3.3.4

Description: Delete outdated historical availability analysis based on pre-appendix and ECCS equipment requirements. This change is being done to remove outdated information for evaluations which are not required by RG 1.70.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 155 Type of Safety Evaluation: Miscellaneous

Evalutaion Reference Number: ODCM Chapter 10 rev. 1.8

Title: Change Value for Rx Bldg Vent Rad Monitor

Description: The allowable value for the Rx Building Vent Radiation Monitor Rx Building isolation on Hi-Rad has been changed from 4mr/hr to 10mr/hr to allow the field setting to remain at 2.5 mr/hr. This change accounts for the radiation monitor instrument loop inaccuracies and is reflected in Technical Specification Upgrade Table 3.2.A-1.

Result: This evaluation determined that an unreviewed safety question did not exist.

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10 CFR 50.59
Safety Evaluation Summary Report

Quarter 9603

Safety Evaluation Number: 9603 156 Type of Safety Evaluation: FSAR Change

Evalutaion Reference Number: UFSAR SECT. 6.2.5.3.2

Title: L. T. Wright Memo to UFSAR Re: Baseline

Description: Delete reference to the fission product concentration of (1.4 X 10.5 uCi/cc to 300 Ci/cc) as listed in UFSAR Section 6.2.5.3.2 (page 6.2.8.2). The value is incorrect and does not correlate to the correct radiation range as indicated.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 157 Type of Safety Evaluation: Miscellaneous

Evalutaion Reference Number: DAP 21-06

Title: CHANGES TO DAP 21-06

Description: 1. Remove "100% capacity" from description of RWCU demineralizers. This is inaccurate description of system.

2. Add description of demineralizer and post-strainer differential pressure indicating switches. These components activate control room annunciators (not part of reactor protection) and are therefore significant.

3. Editorial changes to improve readability. No content change.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 158 Type of Safety Evaluation: Procedure

Evalutaion Reference Number: DOP 6900-01, Rev. 11

Title: Change Voltage - Procedure DOP 6900-01, Rev. 11

Description: Change the 250 VDC chargers float voltage range from 260.4V - 262.8V to 262.8V - 265.2V per vendor recommended float voltages from Operation Guide Step 9.2. Also, I & C Eng. recommendation in Chron Letter #211357 dated September 26, 1994.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 159 Type of Safety Evaluation: Modification

Evalutaion Reference Number: P12-3-94-258 - ECN 12-00791M

Title: REPLACE 3-4735 (3C) INSTRUMENT AIR RECEIVER WITH A LARGER RECEIVER

Description: This modification replaces the 3-4735 (3C) Instrument Air Receiver wtih a larger receiver. It also installs an additional check valve in the system to help prevent backflow of the system. The existing air receiver is being replaced due to unacceptable wall thickness. The new receiver is larger in size which is better suited to the system design. The moisture drain trap is being replaced with a more effective model to help reduce moisture and therefore corrosion in the system.

Result: This evaluation determined that an unreviewed safety question did not exist.

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10 CFR 50.59
Safety Evaluation Summary Report

Quarter 9603

Safety Evaluation Number: 9603 160 Type of Safety Evaluation: Modification

Evalutaion Reference Number: P12-2-94-216 - ECN 12-00787M

Title: LOSS OF INSTRUMENT AIR

Description: This modification replaces the 2A Instrument Air Receiver 2-4708 with a larger receiver. It also installs additional check valves in the system to help prevent backflow of the system. The existing air receiver is being replaced due to failure of inlet nozzle and unacceptable wall thickness on vessel tank. The new receiver is larger in size which is better suited to the system design and will allow for future replacement of the compressor. Moisture drain traps are being replaced with a more effective model to help reduce moisture and therefore corrosion in the system.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 161 Type of Safety Evaluation: Miscellaneous

Evalutaion Reference Number: ODCM Chapter 12 Rev. 1.2

Title: RETS relocated to the ODCM

Description: The changes to section 12 of the ODCM are made to assure conformance with the Technical Specification Upgrade Program, which relocates the RETS and associated instruments to the ODCM. Certain TS Sect. 6.0 sections are duplicated in Section 12 of the ODCM.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 162 Type of Safety Evaluation: Exempt Change

Evalutaion Reference Number: E12-0-95-212

Title: INSTALL FIVE HAND GEOMETRY READERS IN MAIN ACCESS FACILITY.

Description: This exempt change installs five hand geometry readers in adjacent to the existing ingress card readers in the Main Access Facility (MAF). The readers will be installed at turnstiles 1-4, and the badge issue area door, and will provide automatic access to the protected area for badged employees. A network linking the readers will be joined at a personal computer located in the SAS.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 163 Type of Safety Evaluation: FSAR Change

Evalutaion Reference Number: FSAR SECT. 1.2.2.5, 5 . 6.2, 6.3.

Title: Delete Ref. to 11,300 gal. of Shell Side Water

Description: Delete reference to 11,300 gallons of shell side water as the correct criteria for isolation condenser operability. This value is less than the volume actually maintained and is also not adequate to remove the design basis head load. The design basis heat removal and initiation set points assumed in Chapter 15 are unaffected.

Result: This evaluation determined that an unreviewed safety question did not exist.

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10 CFR 50.59
Safety Evaluation Summary Report

Quarter 9603

Safety Evaluation Number: 9603 164 Type of Safety Evaluation: Procedure

Evalutaion Reference Number: 7.5.2.1, 7.5.2.3.2

Title: Change DAP 21-06

Description: Delete "Prime Computer System" from 7.5.2.1 and replace with "minicomputer". Delete "Prime" twice from Section 7.5.2.3.2 (which is followed by minicomputer)".

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 165 Type of Safety Evaluation: FSAR Change

Evalutaion Reference Number: UFSAR 9.1, UFSAR 15.7

Title: UFSAR Revision Form 21-06A

Description: The proposed changes state the correct description of the corrosion sampling program for the high density spent fuel pool racks, and incorporate an editorial change. These changes will update the RUFSAR to the current operating condition and complete an editorial change.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 166 Type of Safety Evaluation: FSAR Change

Evalutaion Reference Number: UFSAR CHANGE #96-033

Title: Change UFSAR Sec. 9.1.4.3.2. to Clarify Statement

Description: Change to UFSAR Section 9.1.4.3.2 to clarify that the statement about "single element components within the load path" having a safety factor of 7.5 does not apply to all crane components listed in Table 9.1.3. Only the components of the hoisting system are considered to be within the load path and are subject to a safety factor of 7.5. This is consistent with current information in Table 9.1.3. This change to the UFSAR is to close out an open item from the rebaseline project. The wording in the SER is correct but it is intended only to apply to those items required to be single failure proof by NUREG 0554.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 167 Type of Safety Evaluation: Miscellaneous

Evalutaion Reference Number: FHA Sec. 2.4.1.2 page 5.5-5

Title: Operability Eval (Chron #0306328), Fire Hazards Analysis

Description: Change the original fire water supply design requirements by reducing the manual hose stream allowance for calculating the fire water supply from 750 gpm (as approved in the March 1978 SER) to 500 gpm, and deviate from the Dresden Administrative Technical Requirement (DATR) Hazen-Williams coefficient of 80 that was used in the previous hydraulic calculations.
The reasons for this change are:
A. The current hose stream allowance of 750 gpm is conservative (i.e., exceeds NFPA 13 and Branch Technical Position CMEB 9.5-1). The new allowance will more accurately reflect the hose stream usage and the supply of water available for suppression systems.
B. The current hydraulic calculations for the Dresden water supply have been re-calculated with the more conservative Hazen-Williams coefficient of 68 (Nexus Calc. 001-96-116). The coefficient is periodically compared to the yard loop flow test results to evaluate and assess the condition of the underground piping. This 50.59 evaluates the deviation from the DATR bases section Hazen-Williams coefficient of 80.

Result: This evaluation determined that an unreviewed safety question did not exist.

10 CFR 50.59 Quarter 9603
Safety Evaluation Summary Report

Safety Evaluation Number: 9603 168 Type of Safety Evaluation: FSAR Change

Evalutaion Reference Number: UFSAR Sec. 6.4.2, 6.4.4.3, FHA s

Title: Mod. #M12-0-96-001, DCP #9600018, WR #960022080, ECN #000957E00

Description: The purpose of this modification is to correct discrepancies in the Train A Control Room HVAC (CRHVAC) fire protection system air circulation mode control logic. At the present time, the Train A CRHVAC System is unable to automatically configure its air circulation mode to the purge mode or recirculation mode, as appropriate, when smoke is detected in the ventilation system. In the event of smoke in the ventilation system, the operators need to manually configure the Train A CRHVAC system air circulation mode to the purge mode or recirculation mode, as appropriate. Upon correction of the discrepancies, the Train A CRHVAC system will automatically configure its air circulation mode to the purge mode or recirculation mode, as appropriate, when smoke is detected in the ventilation system.
As a result of Dresden Corrective Action Record (CAR) 12-94-006 regarding smoke detector maintenance, a special procedure to test the CRHVAC duct smoke detectors was issued and performed. When the procedure was performed it was discovered that the CRHVAC system did not respond as expected. Investigation showed that there were discrepancies in the Train A CRHVAC fire protection system air circulation mode control logic. Commitments to perform this design change are CAR 12-94-006 which requires Design Engineering to issue a design change to resolve the design issue and the Updated Fire Hazards Analysis (FHA), Section 5.6.2, which requires smoke detectors in the CRHVAC system return air ducts which will automatically configure the air circulation mode to the purge mode.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 169 Type of Safety Evaluation: Set Point Changes

Evalutaion Reference Number: UFSAR Sec. 8.3.1.4.1, 7.2, 15.8.2

Title: Ambient Compensated TOL (Relay & Heater) to Install in 2B RPS MG Set 480Vac Feed

Description: The 3B RPS MG Set tripped on thermal overload. Troubleshooting has determined that the Thermal Overload (TOL) relay currently installed was not ambient compensated but should have been. It has been determined that the 2B RPS MG Set has the same non-ambient compensated TOL relay and heater size. This setpoint change will specify the appropriate ambient compensated TOL (relay & heater) to be installed in the 2B RPS MG Set 480Vac feed at MCC 29-2 Compartment C2.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 170 Type of Safety Evaluation: Miscellaneous

Evalutaion Reference Number: 10.4.7 Condensate & FW Systems

Title: Safety Eval to determine whether an unreviewed safety question existed.

Description: During normal operation at full power, the 3A FWRV is in AUTO control and the 3B FWRV is approximately 25% open in MANUAL control. However, on April 27, 1996, with the reactor at approximately 87% power (712MWe) in coastdown, the 3A FWRV was closed due to valve body to bonnet leakage and the 3B FWRV was placed into AUTO control providing the full FW flow.

Result: This evaluation determined that an unreviewed safety question did not exist.

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10 CFR 50.59
Safety Evaluation Summary Report

Quarter 9603

Safety Evaluation Number: 9603 171 Type of Safety Evaluation: Miscellaneous

Evalutaion Reference Number: M12-2-88-013C Addendum 3

Title: Replacement of Valve Actuators, Trim on 2-642A Valve

Description: Replacement of the valve actuators, valve trim on the 2-642A valve and the low flow valve will provide better flow control during startup, operation, and shutdown. The new arrangement provides similar actuators and valve trim on all three valves. The increase in low flow valve capacity will provide more overlap to allow better transition between operation on the low flow valve and the main valves. The addition of the new pulse solenoid valves, combined with the digital feedwater control system (DFCS), will provide more precise valve control for better response to plant operational changes and transients.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 172 Type of Safety Evaluation: Temporay Alteration

Evalutaion Reference Number: DCP 9600153, ER 9602826

Title: DC Ground Detected Inside Drywell

Description: A DC ground was detected on a 125Vdc circuit feeding an evacuation siren inside the drywell. The 125Vdc circuit terminates in a junction box (2RB-30) located in the Reactor Building. With the Unit at higher power levels, drywell entry to repair the ground is not advisable. This Temporary Alteration will temporarily lift the leads disabling the evacuation siren until a permanent repair can be maue. The repair can be performed during a forced outage of sufficient duration or D2R15.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 173 Type of Safety Evaluation: Miscellaneous

Evalutaion Reference Number: E12-1-95-218

Title: Isolate Loads not required when unit is in SAFSTOR period.

Description: This EPC isolates loads fed from Unit 1 480V Switchgear and MCCs 5A, 5A-1, 6A, 6A-1, 15, 16, 19(7A), 20(4A), 21(7A), 20(4A), 21(7B) and 22(4B) that are no longer required when the unit is in the SAFSTOR period. This isolation will be performed by determinating and isolating all external power and control cables at these MCCs associated with the following retired loads.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 174 Type of Safety Evaluation: Modification

Evalutaion Reference Number: M12-3-88-067C

Title: Install Hydrogen Addition System for U3

Description: This modification installs a hydrogen addition system (HAS) for Dresden Unit 3. The HAS is designed to mitigate the intergranular stress corrosion cracking (IGSCC) conditions prevalent in the reactor coolant piping and pressure vessel internals due to dissolved oxygen concentration in the reactor coolant. This will be accomplished by injecting gaseous hydrogen into the condensate/feedwater to shift the stoichiometric oxygen concentration below 20 ppb. This coupled with high quality water chemistry will reduce the electrochemical corrosion potential (ECP) An oxygen injection system is also being added to the Unit 3 Off-Gas system to combine with the residual hydrogen carried over from the steam. Oxygen will be injected downstream of the booster steam jet air ejector (SJAE) at a rate equal to one-half of the hydrogen injection rate.

Result: This evaluation determined that an unreviewed safety question did not exist.

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10 CFR 50.59
Safety Evaluation Summary Report

Quarter 9603

Safety Evaluation Number: 9603 175 Type of Safety Evaluation: Miscellaneous

Evalutaion Reference Number: RWCU HELB

Title: Postulated High Energy Line Breakl

Description: The change is the assessment of a postulated high energy line break (HELB) in the RWCU system outside of primary containment which requires manual isolation. The scenario postulates a line break without loss of offsite power and thus feedwater continues to make up reactor coolant inventory lost through the break. Potentially, the RWCU system would not isolate on low vessel level. It is assumed that operator action to isolate the break is not taken until after 10 minutes. Simulator drills have shown 10 minutes is a conservative assumption. An additional 50 s is allowed for valve closure time and detector response time. The previous analysis had considered automatic isolation on low vessel water level after 40 s. This is not a new accident but a different scenario of a previously analyzed accident.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 176 Type of Safety Evaluation: FSAR Change

Evalutaion Reference Number: UFSAR Sect. 8.3.2.2 & 8.3.3

Title: UFSAR Changes for Clarification Purposes

Description: There are three proposed changes, all are for clarification purposes only; they do not result in any changes to the way the plant is operated or maintained. All three relate to the 125 VDC system. The first change revises the words "less than the alarm setpoint of 125,000 ohms." This change clarifies the fact that it is the measured voltage that is "less than" the setpoint; resistance will be "more than" the setpoint. The second change provides the clarification that the alternate battery is similar to, but is not identical to, the Unit battery. The third change acknowledges and accounts for the possibility that the operator may not transfer the bus. This change is needed because various plant procedures may lead the operator to take other types of actions. It also clarifies the fact that it is DC control power, not the AC bus itself, that is to be transferred.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 177 Type of Safety Evaluation: FSAR Change

Evalutaion Reference Number: DFL 96-071

Title: Clarification on Operation of HPCI Room Coolers

Description: This change is to update the Rebaseline Updated Final Safety Analysis Report (UFSAR) to provide clarification of the operation of the HPCI room coolers. This update will clarify that AC power is required for operation of the HPCI room cooler fan in order to keep the HPCI system operable.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 178 Type of Safety Evaluation: FSAR Change

Evalutaion Reference Number: DFL 96-070

Title: Provide Clarification on HPCI System

Description: This change is to update the Rebaseline Updated Final Safety Analysis Report (UFSAR) to provide clarification of the operating and design conditions of the HPCI system. This change is as a result of the independent review of the HPCI system that was performed at Dresden Station.

Result: This evaluation determined that an unreviewed safety question did not exist.

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10 CFR 50.59 Quarter 9603
Safety Evaluation Summary Report

Safety Evaluation Number: 9603 179 Type of Safety Evaluation: FSAR Change

Evalutaion Reference Number: UFSAR Table 6.2-3, C 2-6

Title: Clarification on LPCI/CCSW Systems

Description: The changes to the UFSAR tables are for clarification only and do not revise the design basis of the LPCI/CCSW systems. These changes are a result of the self assessment review of the LPCI/CCSW systems which includes Tech Spec reviews, procedure reviews and various calculation reviews.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 180 Type of Safety Evaluation: FSAR Change

Evalutaion Reference Number: DFL 96-068

Title: Clarification on LPCI/CCSW Systems

Description: The changes to the UFSAR are for clarification only and do not revise the design basis of the sections being revised. These changes are a result of a review of the LPCI/CCSW systems which includes Tech Spec reviews, procedure reviews and various calculation reviews.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 181 Type of Safety Evaluation: Set Point Changes

Evalutaion Reference Number: SPC 02-96-065

Title: Degraded Voltage Calculations

Description: Increase the setpoint on Bus 24-1 second level undervoltage relays 127-3-24-1 and 127-4-24-1 from 3820V (current) to 3872V (revised). The degraded voltage calculations have been revised to document verification of the assumptions contained in the previous revisions of the calculation, and to remove the restrictions on 120vac load additions. In addition, the calculation revision includes a more conservative loading condition. This includes a constant current model of the battery charger at current limit throughout the event. The earlier calculation revisions included only existing loads on the 120vac transformers. The revised calculations treat these transformers as loaded to nameplate. Therefore, a revised degraded voltage analysis will not be required to approve an addition to the 120vac distribution panels.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 182 Type of Safety Evaluation: Set Point Changes

Evalutaion Reference Number: SPC 02-96-077

Title: EQ type EC Trip Units

Description: As a result of EQ qualification concerns associated with the MicroVersaTrip RMS-9 trip unit, EQ qualified electro-mechanical type EC trip units will be re-installed in Bus 29 Main Feed (292B) and MCC 29-1/29-9 Feed (294C). Settings for these breakers as well at the tie-breaker have been prepared to support this change.

Result: This evaluation determined that an unreviewed safety question did not exist.

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10 CFR 50.59 Quarter 9603
Safety Evaluation Summary Report

Safety Evaluation Number: 9603 183 Type of Safety Evaluation: FSAR Change

Evalutaion Reference Number: UFSAR Sect. 6.3.3.4.3

Title:

Description: During the Dresden Independent Assessment of the LPCI/CCSW system, the question was raised as to whether or not UFSAR Table 56.3-80 represented the Dresden design basis configuration of 1 LPCI pump and 2 CCSW pumps. Since this curve was in the original FSAR Amendment 9/10 question IV.C, the curve was evaluated using assumptions and input parameters contained in the original FSAR amendments, wherever possible. Where a parameter or assumption could not be validated in the above documents, conservative parameters were chosen and justified.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 184 Type of Safety Evaluation: Set Point Changes

Evalutaion Reference Number: SPC 02-96-078

Title: EQ Type EC Trip Units

Description: As a result of EQ qualification concerns associated with the MicroVersa Trip RMS-9 trip unit, EQ qualified electro-mechanical type EC trip units will be re-installed in Bus 29 Main Feed (292B) and MCC 29-1/29-9 Feed (294C). Settings for these breakers as well as the tie-breaker have been prepared to support this change.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 185 Type of Safety Evaluation: Set Point Changes

Evalutaion Reference Number: SPC 03-96-081

Title: EQ Type EC Trip Units

Description: As a result of EQ qualification concerns associated with the MicroVersaTrip RMS-9 trip unit, EQ qualified electro-mechanical type EC trip units will be re-installed in Bus 39 Main Feed (392B) and MCC 39-1 Feed (393B). Settings for these breakers as well as the tie-breaker (392C) have been prepared to support this change.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 186 Type of Safety Evaluation: Set Point Changes

Evalutaion Reference Number: SPC 03-96-082

Title: EQ Type EC Trip Units

Description: As a result of EQ qualification concerns associated with the MicroVersaTrip RMS-9 trip unit, EQ qualified electro-mechanical type EC trip units will be re-installed in Bus 39 Main Feed (392B) and MCC 39-1 Feed (393B). Settings for these breakers as well as the tie-breaker (392C) have been prepared to support this change.

Result: This evaluation determined that an unreviewed safety question did not exist.

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10 CFR 50.59 Quarter 9603
Safety Evaluation Summary Report

Safety Evaluation Number: 9603 187 Type of Safety Evaluation: Set Point Changes

Evalutaion Reference Number: SPC 03-96-080

Title: EQ Type EC Trip Units

Description: As a result of EQ qualification concerns associated with the MicroVersaTrip RMS-9 trip unit, EQ qualified electro-mechanical type EC trip units will be re-installed in Bus 39 Main Feed (392B) and MCC 39-1 Feed (393B). Settings for these breakers as well as the tie-breaker (392C) have been prepared to support this change.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 188 Type of Safety Evaluation: Set Point Changes

Evalutaion Reference Number: SPC 03-96-088

Title: EQ Type EC Trip Units

Description: As a result of EQ qualification concerns associated with the MicroVersaTrip RMS-9 trip unit, EQ qualified electro-mechanical type EC trip units were left installed in Bus 38 Main Feed (382B) and MCC 38-1/38-4 Feed (384A). Settings for these breakers as well as the tie-breaker have been revised to achieve better coordination with upstream and downstream bus breakers. The change will require resetting the EC-1B trip unit on the main breaker and the RMS-9 trip unit on the bus tie. The EC-2A trip unit on the MCC feed which has Long Time and Instantaneous trip settings will be replaced with an EC-1 trip unit which has Long Time and Short Time trip settings.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 189 Type of Safety Evaluation: Set Point Changes

Evalutaion Reference Number: SPC 03-96-089

Title: EQ Type EC Trip Units

Description: As a result of EQ qualification concerns associated with the MicroVersaTrip RMS-9 trip unit, EQ qualified electro-mechanical type EC trip units were left installed in Bus 38 Main Feed (382B) and MCC 38-1/38-4 Feed (384A). Settings for these breakers as well as the tie-breaker have been revised to achieve better coordination with upstream and downstream bus breakers. The change will require resetting the EC-1B trip unit on the main breaker and the RMS-9 trip unit on the bus tie. The EC-2A trip unit on the MCC feed which has Long Time and Instantaneous trip settings will be replaced with an EC-1 trip unit which has Long Time and Short Time trip settings.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 190 Type of Safety Evaluation: Set Point Changes

Evalutaion Reference Number: SPC 03-96-090

Title: EQ Type EC Trip Units

Description: As a result of EQ qualification concerns associated with the MicroVersaTrip RMS-9 trip unit, EQ qualified electro-mechanical type EC trip units were left installed in Bus 38 Main Feed (382B) and MCC 38-1/38-4 Feed (384A). Settings for these breakers as well as the tie-breaker have been revised to achieve better coordination with upstream and downstream bus breakers. The change will require resetting the EC-1B trip unit on the main breaker and the RMS-9 trip unit on the bus tie. The EC-2A trip unit on the MCC feed which has Long Time and Instantaneous trip settings will be replaced with an EC-1 trip unit which has Long Time and Short Time trip settings.

Result: This evaluation determined that an unreviewed safety question did not exist.

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10 CFR 50.59 Quarter 9603
Safety Evaluation Summary Report

Safety Evaluation Number: 9603 191 Type of Safety Evaluation: FSAR Change

Evalutaion Reference Number: UFSAR 9.5.10

Title: Station Blackout

Description: The UFSAR will be updated to include a section 9.5.10 for the Station Blackout system description and licensing basis.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 192 Type of Safety Evaluation: FSAR Change

Evalutaion Reference Number: UFSAR Section 3.4.1.2.2

Title: Correct Number of Floor Drain Sump Pumps

Description: The proposed changes to the UFSAR are for clarification only and do not revise the design basis of the sections being revised. These changes include correcting the number of floor drain sump pumps and removal of the statement that initiates a walkdown inspection of the torus area approximately every 8 hours. The installation of the submarine doors between the torus and the LPCI rooms and the radwaste and control room indications for excessive water levels in the sumps will provide leakage indication. Therefore, 8 hour walkdowns are not required.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 193 Type of Safety Evaluation: Set Point Changes

Evalutaion Reference Number: SPC 03-96-091

Title: Replace Trip Unit in 480V Swgear 39 Cubicle 3C

Description: The existing EC-2a Trip Unit in 480V Switchgear 39 Cubicle 3C will be replaced with new GE RMS-9 Trip Units as part of the station's ongoing replacement/upgrade effort. The breaker trip unit settings will be set per the RSO issued with SPC #03-96-091 (ESS Service UPS Feed).

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 194 Type of Safety Evaluation: Procedure

Evalutaion Reference Number: DIP 1500-01

Title: LPCI B Loop Selection Jumpering

Description: This procedure will install jumpers and remove them when there is a need to defeat the LPCI B Loop Selection during refuel or shutdown. This procedure precludes the use of a Temp Alt.

Result: This evaluation determined that an unreviewed safety question did not exist.

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10 CFR 50.59 Quarter 9603
Safety Evaluation Summary Report

Safety Evaluation Number: 9603 195 Type of Safety Evaluation: Procedure

Evalutaion Reference Number: DEOP 500-01, Rev. 05

Title: Procedure Revision to Correct Deficiencies

Description: Procedure revision was written to correct numerous deficiencies:

i. Added additional direction to operate the resin xtie valve AO 2/3-5561 if the affected unit is Unit 3. This was added since the existing revision does not provide this direction. This valve must be opened to permit transferring boron to Unit 3.

ii. Added additional direction to provide steps to properly isolate and drain the Service Unit to permit a second injection of boron. This was added since the existing revision does not provide this direction. The Service Unit must be drained to permit refilling since two injections must be completed to inject the cold shutdown weight of boron.

iii. Corrected numerous labeling, writers guide and human factor weaknesses previously identifiied.

iv. Added additional direction for filling and venting Service Unit prior to placing it in service. Failure to adequately fill and vent the Service Unit would result in potential water hammer when cutting in the Service Unit.

v. Added direction for isolating potential reject/recirculation paths to the Main Condenser. This ensures that the boron is injected into the reactor rather than lost to the condenser.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 196 Type of Safety Evaluation: Procedure

Evalutaion Reference Number: DAP 10-12

Title: Guidelines on 10 CFR 72

Description: This procedure provides guidelines to assist Station personnel in performing Safety Evaluations utilizing Code of Federal Regulations (10 CFR 72), Licensing Requirements for the Independent Storage of Spent Nuclear Fuel and High-Level Radioactive Waste, Part 48, Changes, tests and experiments, as guidance. This will provide the basis for determining whether a proposed change could involve an Unreviewed Safety Question for the operation of the Independent Spent Fuel Storage Installation (ISFSI).

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 197 Type of Safety Evaluation: Procedure

Evalutaion Reference Number: SP I-95-04-48

Title: Pressure Testing of HPCI MO 2-2301-14

Description: This Special Procedure will perform differential pressure testing of HPCI MO 2-2301-14.

Result: This evaluation determined that an unreviewed safety question did not exist.

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10 CFR 50.59
Safety Evaluation Summary Report

Quarter 9603

Safety Evaluation Number: 9603 198 Type of Safety Evaluation: Procedure

Evalutaion Reference Number: DOP 1400-03

Title: Remove Requirement for 3-1402-52B Valve to be Locked

Description: This change removes the requirement to leave the 3-1402-52B valve in the locked condition. This Safety Evaluation supersedes the one performed in Spetember 1994, and reflects current practice. The change has been determined to be permanent.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 199 Type of Safety Evaluation: Procedure

Evalutaion Reference Number: DOP 0040-M4

Title: Remove Valve 3-1402-52B from Locked Valve Checklist

Description: This change removes valve 3-1402-52B from the locked valve checklist. This Safety Evaluation supersedes the one performed in September 1994, and reflects current practice. The change has been determined to be permanent.

Result: This evaluation determined that an unreviewed safety question did not exist.

Safety Evaluation Number: 9603 200 Type of Safety Evaluation: Miscellaneous

Evalutaion Reference Number: MO 2(3)-2301-8

Title: HPCI Injection Isolation Valves

Description: Drill a 1/4 inch hole in the disk on the high pressure side of the subject flex-wedge gate valves. The HPCI injection isolation valves MO 2(3)-2301-8 may be susceptible to temperature induced pressure locking during a unit start-up. To prevent this a hole will be drilled in the feedwater (reactor) side of the valve disk to preclude pressure locking.

Result: This evaluation determined that an unreviewed safety question did not exist.
