



1650 CALVERT CLIFFS PARKWAY • LUSBY, MARYLAND 20657-4702

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December 10, 1993

U. S. Nuclear Regulatory Commission  
Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: Calvert Cliffs Nuclear Power Plant  
Unit Nos. 1 & 2; Docket Nos. 317 & 318  
Report of Changes, Tests, and Experiments - 10 CFR 50.59

In accordance with 10 CFR 50.59(b)(2), Baltimore Gas and Electric Company hereby submits a report containing brief descriptions of changes, tests, and experiments made under the provisions of 10 CFR 50.59. Due to the recent change in the reporting requirements of 10 CFR 50.59(b)(2), this report covers the 22-month period from January 1, 1992 through October 31, 1993.

Items in the report are sorted by 50.59 identification number.

Should you have any questions regarding this matter, we will be pleased to discuss them with you.

Very truly yours,

RED/NH/dlm

Attachment: Calvert Cliffs Nuclear Power Plant Report of Changes, Tests, and Experiments  
[10 CFR 50.59(b)(2)]

cc: (Without Attachment)  
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160027

P151425541

9312200050 931210  
PDR ADOCK 05000317  
R PDR

IE47  
1/1

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

NORMS RECORDS MANAGEMENT SYSTEM  
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PAGE: 3

RECORD ID      REV      REC STATUS      COMMENTS  
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86-B-020-073-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: TURBO AIR INLET HOUSING

OTHER REF:

CNTL REF: 86-0009

86-0009-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

REPLACE TURBO AIR INLET HOUSING ON EMERGENCY DIESEL GENERATORS #11, 12, 21  
AND SPARE GENERATOR WITH NEW DESIGN INLET HOUSING WITH INTEGRALLY CAST  
BAFFLE PLATE.

86-B-038-075-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT:

OTHER REF:

CNTL REF: 86-0039

86-0039-03

86-0039-0010

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED CHANGE:

REPLACE VALVES.

REASON FOR CHANGE:

THE EXISTING MASONEILAN VLVS ARE A VERY HIGH MAINTENANCE ITEM. IN THE LAST  
FIVE MINI OUTAGES, THESE VALVES HAVE COST 450 MAN HOURS, 3 MAN REM, AND AT  
LEAST 20 HOURS OF CRITICAL PATH TIME.

87-B-030-007-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT:

OTHER REF: SUPPLEMENT#000

CNTL REF: 87-0019

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED CHANGE:

ALLOW USING NORGEN MINIATURE FILTER/REGULATOR MODEL B07 IN PLACE OF  
NORGEN MODEL B04

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87-2-059-009-R00	39		
RECORD TYPE: 50.59			
RECORD DATE:			
SUBJECT:			
OTHER REF: SUP#00			
CNTL REF: 87-0023			
ASSOC REC:			
TEXT: TEXT TYPE:			
PROPOSED CHANGE:			

REPLACE EXISTING AMPHENOL ELECTRICAL PENETRATION ASSEMBLY. THE REPLACEMENT  
REQUIRES DISCONNECTION PRESSURIZER HEATER CABLES, REMOVAL OF THE  
PENETRATION ASSEMBLY, INSTALLATION OF THE NEW ASSEMBLY IN THE PENETRATION  
NOZZLE, AND TERMINATION OF THE CABLES AT THE ASSEMBLY.

88-B-024-057-R00	39		
RECORD TYPE: 50.59			
RECORD DATE:			
SUBJECT:			
OTHER REF:			
CNTL REF: 88-0034-00	88-0034		
ASSOC REC:			
TEXT: TEXT TYPE:			
PROPOSED CHANGE:			

ADD A TEST HANDSWITCH AND INDICATING LAMP IN THE DIESEL ENGINE STARTING  
CIRCUIT TO ISOLATE ESFAS AUTOMATIC START SIGNALS. THE LAMP WILL PROVIDE  
INDICATION OF THE RECEIPT OF ESFAS AUTOMATIC START SIGNALS BUT NOT START  
THE ENGINE.

88-B-024-058-R00	39		
RECORD TYPE: 50.59			
RECORD DATE:			
SUBJECT:			
OTHER REF:			
CNTL REF: 88-0034-00	88-0034		
ASSOC REC:			
TEXT: TEXT TYPE:			
PROPOSED CHANGE:			

USE A SET OF CONTACTS ON THE AUXILIARY STOP RELAY TO MAINTAIN THE STARTING  
RELAYS ENERGIZED DURING DIESEL ENGINE COASTDOWN.

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39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT:

OTHER REF:

CNTL REF: 88-0034-00

88-0034

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED CHANGE:

MODIFY HANDSWITCHES RS1 ON THE DIESEL ENGINE INSTRUMENT PANEL TO BY-PASS THE JACKET COOLANT PRESSURE SWITCHES.

88-B-024-060-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: DELAY THE START OF THE CONTAINMENT IODINE FILTERS FOR TEN SECONDS DURING A LOCAL CONCURRENT WITH A LOSS OF OFFSITE POWER

OTHER REF:

CNTL REF: 88-0034

88-0034-01

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED CHANGE:

DELAY THE START OF THE CONTAINMENT IODINE FILTERS FOR TEN SECONDS DURING A LOCA CONCURRENT WITH A LOSS OF OFFSITE POWER.

88-B-041-065-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT:

OTHER REF:

CNTL REF: 88-0038-00

88-0038

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED CHANGE:

MODIFY CONTROL SCHEME FOR THE BORIC ACID AND RC MAKEUP PUMPS IN THE "BORATE" AND "DILUTE" MODES OF OPERATION. THE SIGNAL FROM FLOW TOTALIZER 1-FQIS-210Y WILL STOP THE BORIC ACID PUMPS AS WELL AS CLOSE VALVE 1-CV-210Y. SIMILARLY, THE SIGNAL FROM FLOW TOTALIZER 1-FQIS-210X WILL STOP THE RC MAKEUP PUMPS AT THE SAME TIME AS IT CLOSES VALVE 1-CV-210X. IN ADDITION, THE WIRING FOR 1-HS-210 WILL BE MODIFIED TO REVERSE THE POSITION BETWEEN "DILUTE" AND



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0			"AUTO" MODE POSITIONS. ALSO, REPLACE EXISTING SELECTOR SWITCHES 1-HS-210 AND 1-HS-226
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88-B-041-066-R00	39		
RECORD TYPE: 50.59			
RECORD DATE:			
SUBJECT:			
OTHER REF:			
CNTL REF: 88-0038-00		88-0038	
ASSOC REC:			
TEXT: TEXT TYPE:			
PROPOSED CHANGE:			

MODIFY CONTROL SCHEME FOR THE BORIC ACID AND RC MAKEUP PUMPS IN THE "BORATE" AND "DILUTE" MODES OF OPERATION. THE SIGNAL FROM FLOW TOTALIZER 2-FQIS-210Y WILL STOP THE BORIC ACID PUMPS AS WELL AS CLOSE VALVES 2-CV-210Y. SIMILARLY, THE SIGNAL FROM FLOW TOTALIZER 2-FQIS-210X WILL STOP THE RC MAKEUP PUMPS AT THE SAME TIME AS IT CLOSES VALVE 2-CV-210X. IN ADDITION, THE WIRING FOR 2-HS-210 WILL BE MODIFIED TO REVERSE THE POSITION BETWEEN "DILUTE" AND "AUTO" MODE POSITIONS. ALSO, REPLACE EXISTING SELECTOR SWITCHES 2-HS-210 AND 2-HS-226.

88-B-067-076-R00	39		
RECORD TYPE: 50.59			
RECORD DATE:			
SUBJECT:			
OTHER REF: SUPPLEMENT#000			
CNTL REF: 88-0058			
ASSOC REC:			
TEXT: TEXT TYPE:			
PROPOSED CHANGE:			

ALLOW THE USE OF BELZONA TO REPAIR THE DAMAGED SPENT FUEL POOL COOLING PUMP BEARING HOUSING.

88-B-190-051-R00	39		
RECORD TYPE: 50.59			
RECORD DATE:			
SUBJECT: ALL ELECTRICAL EQUIPMENT ON 50.49 LIST			
OTHER REF:			
CNTL REF: 88-0008-00		88-0008	
ASSOC REC:			
TEXT: TEXT TYPE:			
PROPOSED CHANGE:			

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ALL ELECTRICAL EQUIPMENT ON THE 50.49 LIST THAT DOES NOT HAVE SPECIFIC VENDOR SUPPLIED TERMINATION INSTRUCTION, OR ANOTHER QUALIFIED TERMINATION METHOD UNDER AN FCR SHALL BE SPLICED OR TERMINATED WITH RAYCHEM PRODUCTS. THIS FCR IS TO RELEASE THE CONTROLLED DRAWINGS GIVING INSTALLATION INSTRUCTIONS FOR RAYCHEM PRODUCTS AND TO SHOW AS BUILT DETAILS OF COMPONENTS TERMINATED WITH RAYCHEM PRODUCTS. THIS SAFETY ANALYSIS DEMONSTRATES THAT ALL OF THE TERMINATIONS MADE WITH RAYCHEM PRODUCTS DURING THE UNIT 1, UNIT 2 EQ OUTAGES OR 1987 AND SINCE THOSE OUTAGES, DO NOT CONSTITUTE AN UNREVIEWED SAFETY QUESTION.

89-B-100-113-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: PUBLIC ADDRESS SYSTEM

OTHER REF:

CNTL REF: 89-0079

89-0099-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED CHANGE:

REVISE FSAR SECTION 7 8 2 1 (PUBLIC ADDRESS SYSTEM)

REASON FOR CHANGE:

FCR 83 1067 ADDED A PHONE PAGING SYSTEM  
FSAR SECTION WAS NEVER REVISED.

89-B-999-054-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: REFLECT ORGANIZATIONAL CHANGES

OTHER REF:

CNTL REF: 89-0125-01

89-0125

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED CHANGE:

REVISE SECTION 12.1 OF THE UFSAR TO REFLECT ORGANIZATIONAL CHANGES IN THE CALVERT CLIFFS NUCLEAR POWER PLANT DEPARTMENT (CCNPPD) AND THE NUCLEAR OUTAGE MANAGEMENT DEPARTMENT (NOMD)

THE CHANGES TO THE CALVERT CLIFFS NUCLEAR POWER PLANT DEPARTMENT CONSISTS OF THE TRANSFER OF THE SCHEDULING GROUP AND THE OUTAGE COORDINATION GROUP TO THE NUCLEAR OUTAGE MANAGEMENT DEPARTMENT AND THE CREATION OF A SECOND ASSISTANT

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GENERAL SUPERVISOR POSITION. THE OPERATIONS AND MAINTENANCE COORDINATION SUPERVISOR WAS REPLACED BY THE OPERATIONS SUPPORT ASSISTANT GENERAL SUPERVISOR. THE PROCEDURE DEVELOPMENT AND MODIFICATION ACCEPTANCE UNIT WAS REASSIGNED TO THE NEW MASTER UNIT. THE SAFETY TAGGING UNIT ALSO REPORTS TO THE AGS - OPERATIONS SUPPORT.

89-B-999-056-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: DIGITAL RADIO PAGING SYSTEM

OTHER REF:

CNTL REF: 89-0143

89-0143-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED CHANGE:

UTILIZE THE NEW BG&E CORPORATE DIGITAL RADIO PAGING SYSTEM FOR PERSONNEL RECALL NOTIFICATION IN ACCORDANCE WITH THE EMERGENCY RESPONSE PLAN. DELETE THE EXISTING SYSTEM WHICH UTILIZES THE PLANT RADIO TELEPHONE SYSTEM.

90-B-013-157-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: FSAR CHANGE TO FIGURE 9 - 22 E

OTHER REF:

CNTL REF: 89-0141-01

89-0141

60239SH0006

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY: THE 50.59 SAFETY EVALUATION ADDRESS A CHANGE REQUIRED TO FSAR FIGURE 9-22E, (BG&E DRAWING 60-239, BECHTEL DRAWING M-56, SHEET 6 OF 6) SPECIFICALLY, THIS DRAWING MUST BE MODIFIED TO SHOW THE EXTENSION OF THE FIRE PROTECTION LOOP AROUND THE NEW NUCLEAR OFFICE FACILITY AND THE FIRE PROTECTION SYSTEM FEEDS INTO THIS BUILDING.

90-B-025-136-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: REVISE FSAR SECTION

OTHER REF:

CNTL REF: 87-0056-00

87-0056

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY: REVISED FSAR SECTION 9.8.2.3 ACCESS CONTROL AREA DESCRIPTION TO REFLECT THE AS BUILT CONDITION. THE ACCESS CONTROL AREA

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COMMON TO BOTH PLANT UNITS IS LOCATED ON ELEVATION 69'0", PARTLY IN THE  
AUXILIARY BUILDING AND PARTLY IN THE TURBINE BUILDING. IN 1984, THE ORIGINAL  
ACCESS CONTROL AREA WAS RENOVATED, AND AN EXPANSION ADDED IN THE TURBINE  
BUILDING PORTION.

90-B-064-183-R00

38

RECORD TYPE: 50.59

RECORD DATE: 03/04/1992

SUBJECT: SEE PAGE 7

OTHER REF: 90-1144

60-235-ESH3

2FE150

2FE160

2FE170

2FE180

2FIT150

2FIT160

2FIT170

2FIT180

CNTL REF: 87-0075

ASSOC REC:

TEXT: TEXT TYPE:

THIS ACTIVITY MODIFIES THE NON-SAFETY RELATED (NSR) REACTOR COOLANT PUMP  
CONTROLLED BLEED OFF FLOW INSTRUMENT LOOPS ON BOTH UNIT 1 AND 2. THE  
EXISTING ROTAMETER TRANSMITTERS AND THEIR ASSOCIATED DUAL INDICATORS WHICH  
WERE LOCATED ON ELEV. 69' IN CONTAINMENT HAVE BEEN REPLACED WITH THERMAL  
DISPERSION FLOW ELEMENTS AND ASSOCIATED INDICATING TRANSMITTERS WHICH ARE  
NOW LOCATED IN THE CABLE SPREADING ROOM, IN A NEW PANEL.

90-B-999-144-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT:

OTHER REF:

CNTL REF: 90-0123-00

90-0123

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED CHANGES: REVISE CHAPTER 12 SECTIONS 12.1, 12.3 AND 12.5 AND  
FIGURES 12-1, 12-2, AND 12-3 OF THE CALVERT CLIFFS NUCLEAR POWER PLANT  
(CCNPP) UPDATED FINAL SAFETY ANALYSIS REPORT (UFSAR) TO REFLECT THE  
ORGANIZATION OF CCNPP EFFECTIVE OCTOBER 1, 1990. CHAPTER 1, APPENDIX 1B,  
"QA POLICY" CHANGES TO THE UFSAR WILL BE IN ACCORDANCE WITH PRF-Q NO. 863  
(REFERENCE 6).

90-2-019-132-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: ISOLATION VALVES AND TEST CONNECTIONS TO CHECK VALVES

OTHER REF: 2-IA-741

2-IA-743

CNTL REF: 90-0001-0671

ASSOC REC:

TEXT: TEXT TYPE:



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PROPOSED ACTIVITY:

ADD ISOLATION VALVES AND TEST CONNECTIONS TO CHECK VALVES WHICH ARE SR CHECK VALVES THAT ISOLATE THE DISCHARGE HEADERS OF THE TWO SALTWATER AIR COMPRESSORS.

91-B-011-157-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: SERVICE WATER SYSTEM  
CONTAINMENT AIR COOLERS

OTHER REF:

CNTL REF: 91-011-031-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

UPDATED FINAL SAFETY ANALYSIS REPORT SECTIONS 6.5.2 AND 6.5.3 DESCRIBE THE OPERATION OF THE SERVICE WATER SYSTEM IN SUPPORT OF THE CONTAINMENT AIR COOLERS. THE UFSAR DESCRIPTION COVERS BOTH NORMAL OPERATION AND OPERATION DURING AND AFTER ACCIDENTS. MCR 91 011 031 00 PROPOSES TO CHANGE THE USFAR DESCRIPTION OF THE SERVICE WATER INTERFACE WITH THE CONTAINMENT AIR COOLERS DURING NORMAL OPERATION. SPECIFICALLY, THE UFSAR STATES THAT ALL SERVICE WATER RETURNING FROM THE CONTAINMENT COOLERS DURING NORMAL OPERATION IS VIA THE FOUR INCH LINE. THIS MCR WILL ALLOW USE OF THE 8 INCH SERVICE WATER RETURN LINE FROM THE COOLERS DURING NORMAL OPERATIONS. THE 3 INCH LINE WAS DESIGNED FOR POST-ACCIDENT SERVICE WATER USAGE. USING THE 8 INCH SRW LINE DURING NORMAL OPERATIONS CONSTITUTES A CHANGE IN FUNCTION FOR THAT PORTION OF THE SRW SYSTEM IN CONTAINMENT.

91-B-012-134-R01

38

RECORD TYPE: 50.59

RECORD DATE: 10/28/1992

SUBJECT: AIR TEMPERATURE IN THE ECCS PUMP ROOM

OTHER REF:

CNTL REF: 91-012-030-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

AIR TEMPERATURE IN EACH ECCS PUMP ROOM IS CONTROLLED BY AN AIR COOLER IN EACH ROOM. FOR EACH AIR COOLER A TEMPERATURE CONTROL SYSTEM CONSISTING OF A PNEUMATIC TEMPERATURE CONTROLLER AND A PRESSURE SWITCH WHICH SENSES THE CONTROLLER OUTPUT IS USED TO START AND STOP THE AIR COOLERS FANS AND OPEN AND CLOSE THE VALVES WHICH PROVIDE COOLING WATER THROUGH THE COOLER.

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HANDSWITCHES FOR THE COOLER FANS AND COOLING WATER VALVES ARE LOCATED IN THE CONTROL ROOM AND ARE NORMALLY PLACED IN THE AUTO POSITION. AT A TEMPERATURE OF 104 DEGREES THE TEMPERATURE CONTROLLER OUTPUT IS 5 PSIG, THE PRESSURE SWITCH ACTUATES, AND ENERGIZES A CONTROL RELAY. WITH THE HANDSWITCHES IN THE AUTO POSITION, CONTACTS FROM AN ENERGIZED RELAY PROVIDE THE SIGNALS WHICH START THE COOLERS FANS AND OPEN THE COOLERS COOLING WATER VALVES. WHEN THE AIR TEMPERATURE LOWERS TO 95 DEGREES THE PRESSURE SWITCH RETURNS TO ITS NORMAL STATE, THE CONTROL RELAY ENERGIZES, THE COOLERS FANS STOP AND THE COOLING WATER VALVES CLOSE.

THE ACTIVITY REPLACES THE TEMPERATURES CONTROL SYSTEM FOR EACH ECCS PUMP ROOM AIR COOLER WITH A TEMPERATURE SWITCH. THE REPLACEMENT TEMP SWITCH PERFORMS THE SAME FUNCTION AS THE CURRENT TEMPERATURE CONTROLLER AND PRESSURE SWITCH SYSTEM. HOWEVER, THE NEW TEMP SWITCH WILL ACTUATE AND ENERGIZE THE CONTROL RELAY AT A TEMP OF 102 DEGREES. WHEN THE TEMP LOWERS TO 94 DEGREES THE TEMP SWITCH RETURNS TO ITS NORMAL STATE AND THE CONTROL RELAY DE-ENERGIZES. THIS CHANGE IN SETPOINT AND RESET OF TEMP SWITCH IS BASED ON THE FUNCTIONAL TEST DATA PROVIDED IN SOR TEST REPORT.

91-B-015-153-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: LETDOWN HEAT EXCHANGER COOLANT OUTLET

OTHER REF:

CNTL REF: 91-015-008-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

ALLOW MANUAL STOP ON 1/2 CV 233, LETDOWN HEAT EXCHANGER, COOLANT OUTLET, TO BE THROTTLED TO MAKE THE MAXIMUM FAIL OPEN FLOW LESS THAN OR EQUAL TO 1200 GPM.

91-B-020-041-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: TECHNICAL SUPPORT CENTER COMPUTER

OTHER REF:

CNTL REF: 82-1000

82-1000-30

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

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0      INSTALL A TECHNICAL SUPPORT CENTER (TSC) COMPUTER, INSTALL A DATA ACQUISITION SYSTEM (DAS), REPLACE THE PLANT COMPUTERS (UNIT 1 AND UNIT 2), AND INSTALL A SAFETY PARAMETER DISPLAY SYSTEM (SPDS).

THIS EVALUATION FOR SUPPLEMENT 30 OF FCR 82-1000 ISSUES A UFSAR CHANGE NOTIFICATION TO DESCRIBE THIS EQUIPMENT IN CHAPTER 7. SUPPLEMENT 30 DOES NOT PERFORM ANY FIELD WORK.

91-B-024-102-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: DIESEL GENERATOR START LOGIC

OTHER REF:

CNTL REF: 90-0091-00

90-0091

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY CHANGES THE DIESEL GENERATOR LOGIC, TO ACCOMMODATE TESTING AND REDUCE THE NUMBER OF DIESEL GENERATOR STARTS.

THE ESFAS SUBCHANNEL THAT ACTUATES THE SIAS START OF THE DIESEL IS BEING REVISED FROM SUBCHANNEL 9 TO SUBCHANNEL 10. IN ACCORDANCE WITH TECH SPEC, THE LOCI SEQUENCER WILL ALSO BE ACTUATED ON SIAS SUBCHANNEL 10. THIS WILL REDUCE THE EQUIPMENT ACTUATED DURING ESFAS SUBCHANNEL 9 TESTING.

THE LOCATION OF THE SIAS CONTACTS IN THE CIRCUIT WILL NOT CHANGE. THE 4 KV DISCONNECT SWITCH CONTACT WILL BE ADDED IN PARALLEL TO THE SIAS CONTACTS. THIS WILL CHANGE THE PRESENT DG SIAS STARTING LOGIC TO MIMIC THE UNDER VOLTAGE LOGIC. ESFAS SUBCHANNEL TESTING WILL ONLY INITIATE THE STARTING OF THE ALIGNED DIESEL GENERATOR. AN ACTUAL SIAS ACTUATION WILL RESULT IN THE ACTUATION OF BOTH ESFAS SUBCHANNELS AND THE STARTING OF THE DIESELS ALIGNED TO THE UNIT WITH THE SIAS.

THE DIESEL GENERATOR 12 OUTPUT FEEDER BREAKERS 152 - 2106 AND 152 - 1406 WILL ALSO BE MOVED TO ESFAS SIAS SUBCHANNEL 10.

ENGINE JACKET COOLANT TEMPERATURE HIGH AND JACKET COOLANT PRESSURE LOW WILL STILL BE BYPASSED BUT ALSO ON SUBCHANNEL 10.

ALL COMPONENTS REQUIRED FOR THIS MODIFICATION ARE EXISTING WITH THE EXCEPTION OF INTERNAL JUMPERS, AND NEW CABLE AND RACEWAY REQUIRED FROM THE 4 KV DISCONNECTS TO THE ESFAS CABINETS.

91-B-024-145-R00

38

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RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: ACCIDENT LOAD TOTALS

OTHER REF:

CNTL REF: 86-0013-01

86-0013

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED CHANGE:

REVISE FSAR TO REFLECT DIESEL GENERATORS WITH FUTURE PREDICTED ACCIDENT LOAD  
TOTAL OF UP TO 3000KW.

UPDATE FSAR TO DELETE TABLE 8-8 WHICH LISTED THE FREQUENTLY CHANGING KW  
TOTALS

91-B-027-105-R00

38

RECORD TYPE: 50.59

RECORD DATE: 11/04/1992

SUBJECT: ADDS MANUALLY OPERATED NS RELATED GATE VALVES

OTHER REF:

CNTL REF: 90-0001-1029

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY ADDS TWO MANUALLY OPERATED NS RELATED GATE VALVES IN LINE  
1 1/2" HB 49 1003 TO ALLOW FOR ISOLATION OF THE AUXILIARY BOILERS "BLOWDOWN  
LINES" AND FACILITATE MAINTENANCE ACTIVITIES. EACH AUXILIARY BOILER "BLOW  
DOWN LINE" CONSISTS OF A STEAM DRUM BLOWDOWN LINE, A MUD DRUM BLOWDOWN LINE  
AND TWO BLOWDOWN ATOMIZING STEAM LINES (WITH CHECK VALVES AND STEAM TRAPS).  
THE AUXILIARY BOILERS ARE NS RELATED. THESE LINES ARE ROUTED TO A SINGLE  
BLOWDOWN TANK THROUGH A HEADER WHICH IS COMMON TO BOTH AUXILIARY BOILERS.

91-B-036-118-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: FLANGES

OTHER REF:

CNTL REF: 87-0115

87-0115-0031

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:



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REMOVAL OF FLANGES ON PIPING DOWNSTREAM OF VALVE 2 AFW 200 (STEAM GENERATOR #22) AND REPLACING WITH STRAIGHT PIPE.

91-B-041-071-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: INSTRUMENT CHANNEL

OTHER REF:

CNTL REF: 85-1023-01

85-1023

0-073D-1

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY: LETTER L91-090 DOCUMENTED LICENSING CONCERNS REGARDING THE CAPABILITY OF INSTRUMENT CHANNEL FT-212 TO SATISFY LICENSING CRITERIA FROM NRC REGULATORY GUIDE 1.97 REGARDING POST - ACCIDENT MONITORING OF CHARGING FLOW. DURING THE PAST THREE YEARS EFFORTS HAVE BEEN MADE TO COMPENSATE FOR SYSTEM FLOW PULSATIONS CAUSED BY THE POSITIVE DISPLACEMENT CHARGING PUMPS AND THUS INCREASE THE ACCURACY OF CHANNEL FT-212. ALTHOUGH SOME SUCCESS HAS BEEN ACHIEVED AND FURTHER TESTING IS PLANNED, EVALUATIONS CAN BE UNDER TAKEN TO DEMONSTRATE THAT THE EXISTING PLANT CONFIGURATION IS TECHNICALLY ADEQUATE.

91-B-050-148-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: REACTOR COOLANT WASTE PROCESSING SYSTEM

OTHER REF:

CNTL REF: 90-0089-00

90-0085-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

FCRS 90 85 AND 90 89, SUPPLEMENT 0, RESULTED IN A REVISION TO THE UFSAR FIGURE MO. 11 1B (DRAWING 60 260, M-77 SHEET 3, REV. 6), P&ID REACTOR COOLANT WASTE PROCESSING SYSTEM.

THE PROPOSED MODIFICATIONS REPLACE THE LEVEL INDICATORS OF THE SPENT RESIN METERING TANK (SRMT).

THE ULTRASONIC LEVEL INDICATOR (O LIT 7200) IS REPLACED BY A THERMAL DISPERSION SYSTEM, THAT WILL HAVE A LOCAL AUDIBLE ALARM. THE PRESSURE INDICATOR (O PI 3805), USED AS LEVEL INDICATOR, IS REPLACED BY A DIFFERENTIAL PRESSURE GUAGE; A RESIN TRAP AND LINE FLUSH PROVISION ARE ADDED TO THE HIGH PRESSURE SENSING LINE.

THE INSTRUMENTATION IS NON-SAFETY RELATED (NSR) AND IS INSTALLED IN THE SOLID

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WASTE PROCESSING SYSTEM LOCATED THE AUXILIARY BUILDING AT ELEVATION 45 FEET.  
THERE ARE NO PHYSICAL OR FUNCTIONAL INTERACTIONS WITH SAFETY RELATED EQUIPMENT.

91-B-052-081-R01 39  
RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT: COMPONENT COOLING WATER FLOW RATE  
OTHER REF:  
CNTL REF: 90-0011-03 90-0011  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

THE COMPONENT COOLING WATER (CCW) FLOWRATE TO THE SHUTDOWN COOLING HEAT (SDC) EXCHANGERS IS CURRENTLY LIMITED TO 2500 GPM DURING ALL MODES OF OPERATION. THIS FLOWRATE IS SIGNIFICANTLY LESS THAN THE ORIGINAL DESIGN FLOWRATE 4820 GPM. THE LIMITATION ON CCW (SHELL SIDE) FLOWRATE IS ATTRIBUTABLE TO MINIMIZING THE POTENTIAL FOR FLOW INDUCED VIBRATIONS (TUBE TO TUBE AND TUBE TO BAFFLE).

BASED ON DATA ANALYSIS, IT APPEARS THAT FLOWRATES SLIGHTLY HIGHER THAN 2500 GPM CAN BE ACHIEVED WITHOUT INDUCING TUBE VIBRATIONS. TUBE VIBRATIONS BEGIN TO APPEAR AT 2700 GPM. THIS 50.59 PROPOSES TO INCREASE THE ADMINISTRATIVE LIMIT FROM 2500 GPM TO 2650 GPM. THIS 50.59 SUPPORTS FCR 90 0011 AND A CHANGE TO THE UPDATED FSAR REGARDING CCW FLOW TO THE SDC HEAT EXCHANGERS (HX).

91-B-052-137-R00 38  
RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT: REPLACES THE PUMP DISCHARGE CHECK VALVES IN THE LOW PRESSURE SAFETY INJECTION SYSTEM  
OTHER REF:  
CNTL REF: 90-0067 90-0079  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

THIS ACTIVITY REPLACES THE PUMP DISCHARGE CHECK VALVES IN THE LOW PRESSURE SAFETY INJECTION SYSTEM AND THE COMPONENT COOLING WATER SYSTEM.

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91-B-059-021-R01	38		
RECORD TYPE: 50.59			
RECORD DATE:			
SUBJECT:			
OTHER REF:			
CNTL REF: 92-0206			
ASSOC REC:			
TEXT: TEXT TYPE:			
THIS EVALUATION IS REVISED TO RENDER THE EVALUATION ASSOCIATED WITH REVISION 0 NULL AND VOID. THE ACTIVITY FOR WHICH THE REVISION WAS ORIGINALLY PREPARED HAS BEEN DISAPPROVED BY THE NRC AND REPLACED BY AN ALTERNATE APPROACH WHICH WAS DEVELOPED UNDER THE FCR AND SUPPORTED BY THIS EVALUATION, REVISION 1.			
91-B-063-017-R00	38		
RECORD TYPE: 50.59			
RECORD DATE:			
SUBJECT: AUTOMATIC TESTING FEATURE OF THE ESFAS			
OTHER REF:			
CNTL REF: 89-0126-00 89-0126			
ASSOC REC:			
TEXT: TEXT TYPE:			
PROPOSED ACTIVITY:			
FCR 89 0126 PROPOSES DELETING SECTION 7.2.7, AUTOMATIC TESTING FEATURES, FROM THE UFSAR SINCE THIS FEATURE IS NO LONGER USED, NOR IS IT'S USE NECESSARY TO VERIFY PROPER OPERATION OF THE ENGINEERED SAFETY FEATURES ACTUATION SYSTEM			
91-B-064-130-R00	39		
RECORD TYPE: 50.59			
RECORD DATE:			
SUBJECT: PRESSURIZER COOL DOWN RATES			
OTHER REF:			
CNTL REF: 91-0281-00 91-0281			
ASSOC REC:			
TEXT: TEXT TYPE:			
PROPOSED ACTIVITY:			
THIS FCR DOCUMENTS THE ENGINEERING BASIS FOR CHANGING UFSAR SECTION WITH RESPECT TO THE REVISED PRESSURIZER COOL DOWN RATES.			
91-B-064A-051-R00	39		
RECORD TYPE: 50.59			
RECORD DATE:			
SUBJECT: MARGIN MONITOR			

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

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OTHER REF:			
CNTL REF: 90-0117-00		90-0117	
ASSOC REC:			
TEXT: TEXT TYPE:			

PROPOSED ACTIVITY: REVISE THE DESCRIPTION OF THE SUBCOOLED MARGIN MONITOR IN UFSAR 7.5.9.1. REVISE THE FIRST LINE OF 7.5.9 TO CHANGE THE ACRONYM FOR THE SHM TO SCHM. REVISE THE SECOND TO LAST LINE OF 7.5.9.2 FOR THE SAME REASON.

91-B-067-085-R00 38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: PROPOSES ADDING A PERMANENT STRAINER INTO THE SUCTION SPOOL PIECES

OTHER REF:

CNTL REF: 91-067-002-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS EVALUATION PROPOSES ADDING A PERMANENT STRAINER INTO THE SUCTION POOL PIECES OF SFP COOLING PUMPS 11 AND 12. P&ID DRAWING M 58, SPENT FUEL COOLING POOL FILL & DRAIN SYSTEMS, WHICH IS SHOWN IN THE FSAR, WILL BE CHANGED TO REFLECT THIS MODIFICATION.

A CONE TYPE STRAINER IS PROPOSED FOR INSTALLATION INTO THE SUCTION SPOOL PIECES OF SFP COOLING PUMPS 11 AND 12 TO PREVENT THE POSSIBILITY OF ACCIDENTAL DEBRIS FROM DAMAGING THE PUMPS.

91-B-068-111-R00 38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: HIGH PRESSURE SODIUM LAMPS

OTHER REF:

CNTL REF: 91-068-004-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

ALLOW THE USE OF HIGH PRESSURE SODIUM LAMPS FOR SUBMERSIBLE LIGHTING IN THE SPENT FUEL POOL AND REFUELING POOLS.

91-B-069-162-R00 38

RECORD TYPE: 50.59

RECORD DATE:



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RECORD ID      REV      REC STATUS      COMMENTS

0      SUBJECT: NUMBER 11 WASTE GAS SURGE TANK  
OTHER REF:  
CNTL REF: 90-0001-0739  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

THIS MCR WILL REMOVE PRESSURE GAUGE 0 PI 2183 WHICH IS INSTALLED ON THE VENT  
PIPING OF LEVEL SWITCH 0 LS 2182 WHICH MONITORS THE NUMBER 11 WASTE  
GAS SURGE TANK. THE GAUGE WILL BE REPLACED WITH AN APPROVED CAP.

91-B-070-169-R00      38  
RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT:  
OTHER REF:  
CNTL REF: 86-0052  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

THIS FCR PROVIDES FOR THE ADDITION OF STORAGE RACKS FOR INCORE  
INSTRUMENTATION ICI TRASH CONTAINERS AND/OR FUEL ASSEMBLIES IN THE  
REFUELING POOL OF UNIT 1 AND UNIT 2. THE STORAGE RACKS WILL BE USED TO  
TEMPORARILY STORE EITHER ICI TRASH CONTAINERS OR FUEL ASSEMBLIES IN THE  
TRANSFER TUBE SIDE OF THE REFUELING POOL DURING PLANT OUTAGES.

91-B-076-163-R00      38  
RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT: SODIUM ANALYZERS  
OTHER REF:  
CNTL REF: 91-076-005-00  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

THIS NON SAFETY RELATED ACTIVITY REPLACES THE OBSOLETE CONDENSATE AND  
FEEDWATER DISCHARGE HEADERS SODIUM ANALYZERS LOCATED IN THE TURBINE PLANT  
AUXILIARY SAMPLE CABINET. FURTHER, THE ACTIVITY REMOVES THE RESPECTIVE  
SODIUM ANALYZER RECORDERS.

91-B-078-093-R00      59  
RECORD TYPE: 50.59

CONTROL DATE: 12/10/1993  
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RECORD ID      REV      REC STATUS      COMMENTS

RECORD DATE:

SUBJECT: ALARM CAPABILITIES IN THE CONTROL ROOM

OTHER REF:

CNTL REF: 90-0074-0017

90-0074-03

90-0074

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY: THIS ACTIVITY WILL PROVIDE ALARM CAPABILITIES IN THE CONTROL ROOM FOR THE EXISTING CORE EXIT THERMOCOUPLES (CET) AND ADD NARROW AND WIDE RANGE LEVEL INSTRUMENTATION FOR THE REACTOR VESSEL WITH ALARM CAPABILITIES. A THREE INCH DIAMETER LEVEL STILL WELL WITH A CONTINUOUS LEVEL PROBE (AN FCI THERMAL DISPERSION LEVEL MONITOR) WILL BE INSTALLED OFF THE EXISTING REFUELING LVL PRESSURE TRANSMITTER TUBING HOT LEG #11 (#21) AND CONNECTED TO THE EXISTING REACTOR HEAD VENT TUBING. THIS PROBE ALONG WITH A NEW SIGHT GAUGE WILL PROVIDE WIDE - RANGE INDICATION. FOR NARROW - RANGE INDICATION, AN ULTRASONIC LEVEL TRANSMITTER MANUFACTURED BY WESTINGHOUSE WILL BE INSTALLED ON THE BOTTOM OF THE SHUTDOWN COOLING (SDC) SUCTION SIDE OF HOT LEG #12 (#22). BOTH LEVEL INDICATORS WILL BE PROVIDED WITH ALARM CAPABILITIES IN THE CONTROL ROOM. IN ADDITION, THE INSTRUMENTATION WILL INCLUDE A LEVEL TREND RECORDER AND A NEW ALARM CONTROLLER FOR LEVEL AND TEMPERATURE LOCATED ON REFUELING CART 1 (2) C184. THE TREND RECORDER FOR THE LEVEL INSTRUMENTATION WILL BE A THREE PEN RECORDER MONITORING THE NARROW- AND AND WIDE - RANGE INSTRUMENTATION AND THE EXISTING REFUELING LEVEL TRANSMITTER. THIS NEW RECORDER REPLACES THE EXISTING ONE PEN TREND RECORDER FOR THE REFUELING LEVEL TRANSMITTER.

91-B-081-165-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: SPENT FUEL POOL

OTHER REF:

CNTL REF: 91-081-001-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

MCR 91 081 001 00 WILL INSTALL A NEW REMOVABLE LEXAN WALL, MOUNTED ON STEEL PIPE COLUMNS, ADJACENT TO THE SPENT FUEL POOL. THE WALL EXTENDS FROM THE SOUTH END OF UNIT 1 STAIRS AB-2 TO THE SOUTH END OF THE SFP AT THE UNIT 2 SIDE AROUND THE CASK WASHING PIT. THE WALL WILL BE 4 FEET HIGH AND WILL EXTEND TO THE FLOOR IN ORDER TO PREVENT PASSAGE OF LOOSE MATERIALS OR DEBRIS INTO THE SFP. THE WALL WILL HAVE REMOVABLE SECTIONS FOR FUEL HANDLING OPERATIONS. THE WALL IS DESIGNED AND SUPPORTED TO WITHSTAND ALL PLANT POSTULATED LOADS DUE TO A SEISMIC EVENT.

91-B-083-156-R00

38

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

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RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: TURBINE BYPASS VALVE SYSTEM

OTHER REF:

CNTL REF: 85-0068

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

FCR 85 0068 MODIFIES THE NON-SAFETY RELATED TURBINE BYPASS VALVE SYSTEM IN ORDER TO ACCOMMODATE THE REPLACEMENT VALVES, ASSOCIATED CONTROLS AND PHYSICAL SUPPORT EQUIPMENT.

91-B-083-156-R01

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: TURBINE BYPASS VALVE SYSTEM

OTHER REF:

CNTL REF: 85-0068

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

MODIFICATIONS TO THE TURBINE BYPASS SYSTEM.

91-B-083-156-R02

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: TURBINE BYPASS VALVES

OTHER REF:

CNTL REF: 85-0068

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

FCR 85 0068 MODIFIES THE NON-SAFETY RELATED TURBINE BYPASS VALVE SYSTEM IN ORDER TO ACCOMMODATE THE REPLACEMENT VALVES, ASSOCIATED CONTROLS, AND PHYSICAL SUPPORT EQUIPMENT.

91-B-099-100-R00

38

RECORD TYPE: 50.59

RECORD DATE: 05/12/1992

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

NORMS RECORDS MANAGEMENT SYSTEM  
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0      SUBJECT: SPENT FUEL FROM THE AUX BLDG SPENT FUEL POOLS TO A NEW ISFSI  
OTHER REF:  
CNTL REF: 88-0081  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THE CCNPP WILL BE TRANSFERRING SPENT FUEL FROM THE AUX BLDG SPENT FUEL POOLS TO A NEW INDEPENDENT SPENT FUEL STORAGE INSTALLATION, ISFSI. THE DRY STORAGE SYSTEM DESIGNED BY PACIFIC NUCLEAR WILL BE USED FOR TRANSFERRING AND STORING THE SPENT FUEL. THE ISFSI WILL BE LICENSED IN ACCORDANCE WITH CFR PART 72. BG&E HAS ISSUED CALVERT CLIFFS ISFSI SAFETY ANALYSIS REPORT FOR THE PART 72 LICENSE. THE EFFECTS OF ISFSI OPERATIONS ON CCNPP HOWEVER WILL BE ADDRESSED BY THIS EVALUATION IN ACCORDANCE WITH REQUIREMENTS.

NOTE THAT THIS EVALUATION IS NOT ADDRESSING THE SPENT FUEL CASK CRANE UPGRADE AND ASSOCIATED PLANT CHANGES.

91-B-999-063-R00      38  
RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT: HIGH INTEGRITY CONTAINERS  
OTHER REF:  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY INVOLVES THE TRANSFER OF SIX HIGH INTEGRITY CONTAINERS (HIC) FROM THE AUXILIARY BUILDING TO CONCRETE STORAGE CONTAINERS IN THE VICINITY OF THE WEST ROAD CAGE EXTERNAL TO THE AUXILIARY BUILDING. THE HICS, FILLED WITH RADIOACTIVE RESINS FOR A MAXIMUM OF FIVE YEARS UNLESS AUTHORIZATION TO EXCEED 5 YEARS STORAGE IS GRANTED. THE ACTIVITY ALSO INCLUDES THE TRANSFER OF THE HICS FROM THE CONCRETE STORAGE CONTAINER TO AN AVAILABLE SHIPPING CASK.

91-B-999-064-R00      38  
RECORD TYPE: 50.59  
RECORD DATE: 11/18/1992  
SUBJECT: MODIFY FSAR REQUIREMENTS  
OTHER REF:  
CNTL REF: 91-0259-00      91-0259  
ASSOC REC:  
TEXT: TEXT TYPE:



CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

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PROPOSED ACTIVITY: THIS ACTIVITY WILL MODIFY THE FSAR REQUIREMENTS FOR THE FOUR WATERTIGHT DOORS -- 309, 333, 317, AND 332 -- LEADING INTO THE UNIT 1 AND 2 MAIN STEAM PIPING AREAS. PRESENTLY, THE FSAR NOTES THAT THESE DOORS ARE "LOCKED CLOSED AND ALARMED" WHEN THEY ARE ACTUALLY DOGGED CLOSED. HOWEVER DESIGN BASIS REQUIREMENTS GIVEN IN TECHNICAL SPECIFICATION (TS) 3/4 .7.10 ONLY REQUIRE WATERTIGHT DOORS TO BE VERIFIED CLOSED AT LEAST ONCE PER TWELVE HOURS.

91-B-999-143-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: LIMITORQUE MOTOR OPERATED VALVES

OTHER REF:

CNTL REF: 90-0061-04

90-0061

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

VARIOUS OPERATION AND MAINTENANCE RELATED PROBLEMS WITH THE LIMITORQUE MOTOR OPERATED VALVES.

91-B-999-170-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: REVIEWS OF INDUSTRY INFORMATION

OTHER REF:

CNTL REF: 91-0273

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY CHANGES THE RESPONSIBILITY FOR REVIEWS OF INDUSTRY INFORMATION PREVIOUSLY REQUIRED OF POEAC, THE PLANT OPERATING EXPERIENCE ASSESSMENTS COMMITTEE) AND REQUIRES THAT THESE REVIEWS BE DONE (WITH REQUIRED TIME FRAMES BY THE NEWLY CREATED OPERATING EXPERIENCE REVIEW SECTION (O E R). ORGANIZATIONAL PLANNING CHANGES WERE APPROVED IN JUNE 90 AND EFFECTED 2 1 91, WHICH IS REFLECTED IN REVISION 11 OF THE USFAR.

91-1-012-152-R01

38

RECORD TYPE: 50.59

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

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RECORD DATE:

SUBJECT: SALT WATER SYSTEM PIPING

OTHER REF:

CNTL REF: 91-0258-04

91-0258-01

91-0258

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY WILL MODIFY THE SALTWATER (SW) SYSTEM PIPING TO ENHANCE SYSTEM OPERATION AND ALLOW FOR ACCESS TO UNDERGROUND SALTWATER PIPING FOR INSPECTION AND REPAIRS. THE MODIFICATIONS TO THE SW SYSTEM WILL BE MADE IN THE INTAKE STRUCTURE, THE SERVICE WATER (SRW) PUMP ROOM AND THE COMPONENT COOLING WATER (CCW) PUMP ROOM.

91-1-012-152-R02

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: SALT WATER SYSTEM PIPING

OTHER REF:

CNTL REF: 91-0258

91-0258-05

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY WILL MODIFY THE SALTWATER (SW) SYSTEM PIPING TO ENHANCE SYSTEM OPERATION AND ALLOW FOR ACCESS TO UNDERGROUND SALTWATER PIPING FOR INSPECTIONS AND REPAIRS. THE MODIFICATIONS TO THE SW SYSTEM WILL BE MADE IN THE INTAKE STRUCTURE, THE SERVICE WATER (SRW) PUMP ROOM AND THE COMPONENT COOLING WATER (CCW) PUMP ROOM.

91-1-032-054-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: ECCS PUMP ROOM MOTOR OPERATED DAMPER

OTHER REF:

CNTL REF: 90-0105-01

90-0105

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY: THIS PROPOSED ACTIVITY WILL REMOVE THE ECCS PUMPS ROOM 'S MOTOR OPERATED DAMPERS (MODS) AND ASSOCIATED EQUIPMENT. THE WORK ITEMS INCLUDED IN THIS ACTIVITY WERE PREVIOUSLY APPROVED UNDER 50.59 SAFETY EVALUATION LOG NO. 90-B-032-160-R0. HOWEVER, THIS ACTIVITY WILL COMPLETE THE PRESCRIBED WORK IN TWO PHASES.

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\*\* SEE THE 50.59 FOR THE PRESCRIBED WORK \*\*

91-1-036-124-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: FREEZE SEAL

OTHER REF: TAN1-91-43

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

INSTALL A FREEZE SEAL ON THE NSR SECTION OF THE 2 INCH CARBON STEEL UNIT 1  
AUXILIARY FEEDWATER (AFW) RECIRCULATION LINE. THE FREEZE SEAL WILL ISOLATE  
THE UNIT 2 AFW RECIRCULATION LINE AND 12 CONDENSATE STORAGE TANK (CST).

91-1-041-159-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: U1 FEEDWATER FLOW METERING SECTIONS

OTHER REF:

CNTL REF: 91-0261-00

91-0261

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY WILL REMOVE THE EXISTING UNIT 1 FEEDWATER FLOW METERING  
SECTIONS AND ASSOCIATED FLOW TRANSMITTERS 1-FT-1111 AND 1-FT-1121 FROM THE  
CONTAINMENT BUILDING AND REPLACE THEM WITH NEW PIPING. THE FLOW METERING  
SECTIONS AND TRANSMITTERS WILL BE REMOVED AND ALL ASSOCIATED TUBING, TUBING  
SUPPORTS, CONDUITS AND CIRCUITS WILL BE RETIRED.

NEW FLOW METERING SECTIONS AND TRANSMITTERS WILL BE INSTALLED TO PROVIDE  
GREATER MAINTENANCE ACCESSIBILITY.

EXISTING FLOW METERING SECTIONS AND FLOW LOOPS ARE SAFETY RELATED FOR THE  
PRESSURE BOUNDARY, NEW FLOW METERING SECTIONS AND FLOW LOOPS WILL BE  
NON-SAFETY RELATED.  
STRESS ANALYSES WILL BE PROVIDED FOR THE NEW PIPING AND FLOW METERING  
SECTIONS SUPPORTS.

91-1-061-166-R00

38

RECORD TYPE: 50.59

RECORD DATE:

CONTROL DATE: 12/10/1993  
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SUBJECT: CONTAINMENT SPRAY FLOW

OTHER REF:

CNTL REF: 92-061-001-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

MCR 92 061 001 00 HAS BEEN INITIATED TO CHANGE UFSAR TABLE 6 6. THIS TABLE  
LISTS THE POST RAS CONTAINMENT SPRAY FLOW AS 1630 GPM. THIS VALUE WILL BE  
CHANGED TO 1350 GPM WHICH IS THE VALUE USED IN THE PLANT SAFETY ANALYSIS AND  
IN OTHER DESIGN CALCULATIONS. A FOOTNOTE WILL BE ADDED TO THE TABLE TO  
STATE THAT HIGHER PUMP FLOWS ARE ACCEPTABLE. THE HEAD, NPSH AVAILABLE AND  
NPSH REQUIRED WILL BE CHANGED TO CORRESPOND WITH THE NEW FLOW RATE. ALSO  
THE FLOW PER NOZZLE INFORMATION WILL BE REMOVED.

91-1-064-164-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: RCP MOTOR REBUILD AREA

OTHER REF:

CNTL REF: 88-0152-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

60207

88-0152

THIS ACTIVITY RELOCATES EXISTING POWER SUPPLIES TELEPHONE, PA SPEAKER, AND  
PROVIDES A POWER RECEPTACLE FOR LIGHTS TO ALLOW MORE  
CONVENIENT ACCESS AT THE REMOVABLE ENCLOSURE AROUND THE RCP MOTOR REBUILD  
AREA. FURTHER, THIS ACTIVITY AUTHORIZES THE INSTALLATION OF A PERMANENT  
ACCESS DOOR ON THE NORTH SIDE OF THE ENCLOSURE TO FACILITATE MORE POSITIVE  
RAD-CON / ALARA CONTROL OF RIGGING PROCESS ACTIONS REQUIRED DURING RCP  
REBUILD. FINALLY THIS ACTIVITY REVISES UFSAR FIGURE 1 - 17 TO DOCUMENT THE  
LOCATION OF THE REMOVABLE RCP REBUILD AREA ENCLOSURE.

91-1-093-096-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: U1 MAIN TURBINE ELECTRICAL CONTROL SYSTEM

OTHER REF:

CNTL REF: 89-0070-00

ASSOC REC:

TEXT: TEXT TYPE:

69-0070

PROPOSED ACTIVITY: THIS ACTIVITY COMPRISES A MODIFICATION TO THE UNIT 1 MAIN  
TURBINE ELECTRICAL CONTROL SYSTEM. FUNCTIONALLY, THIS MODIFICATION WILL  
REMOVE THE AUTOMATIC TURBINE TRIP SIGNAL GENERATED BY A SHAFT HIGH VIBRATION



CONTROL DATE: 12/10/1993  
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CONDITION. PHYSICALLY, THIS MODIFICATION INVOLVES THE LIFTING OF LEADS WITHIN THE UNIT 1 TURBINE SUPERVISORY INSTRUMENT (TSI) CABINET (1T14) AND THE TURBINE ELECTRO-HYDRAULIC CONTROL (EHC) CABINET (1T11). LIFTING OF THE LEADS WILL PREVENT CLOSURE TO CONTACTS WHICH ENERGIZE THE MAIN TURBINE MASTER TRIP BUS DUE TO A SHAFT HIGH VIBRATION CONDITION. THE FOLLOWING RELATED CAPABILITIES ARE NOT AFFECTED BY THIS MODIFICATION.

- A) GENERATION OF A SHAFT HIGH VIBRATION ALARM
- B) RECORDING OF SHAFT VIBRATION LEVELS
- C) MANUALLY TRIPPING THE MAIN TURBINE.

91-2-011-168-R00

38

RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT: SALT WATER SYSTEM  
OTHER REF: RDCH1R9100069  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

THE PROPOSED ACTIVITY INVOLVES THE EVALUATION OF THE DISCREPANCY BETWEEN THE DESCRIPTION OF THE SRW SYSTEM GIVEN IN THE UFSAR FIGURE 9 27 A (M 47, SH 2) AND THE "AS BUILT" CONDITION.

THE DISCREPANCY CONSISTS OF AN ADDITIONAL DRAIN LINE WITH ASSOCIATED ISOLATION VALVE AND PIPE CAP INSTALLED ON EACH OF THE SRW RETURN HEADERS. THE CHANGES OF THE SRW SYSTEM GIVEN IN THE UFSAR CONSIST OF DRAWING CHANGE ONLY.

91-2-019-154-R00

38

RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT: ADD CHANGE OPERATORS TO VALVES  
OTHER REF:  
CNTL REF: 91-019-017-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY WILL ADD CHAIN OPERATORS TO VALVES 2 IA 134 AND 2 IA 951. VALVE 2 IA 134 IS THE 22 DRYER BYPASS VALVE AND 2 IA 951 IS THE 22 DRYER INLET VALVE.

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

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92-B-003-040-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 04/22/1992  
SUBJECT: REVISE UFSAR  
OTHER REF:  
CNTL REF: 91-0247  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

REVISE USFAR TABLE B - 1A, "RATINGS AND CONSTRUCTION OF THE SMECO SYSTEM", TO INCLUDE THE CONTINUOUS AMPERE LIMIT AND ADD NEW CABLE INFORMATION TO REFLECT CHANGES TO THE SYSTEM.

SMECO AMMETERS 2 - I / I - 2301 B A, B B AND B C WILL BE CHANGED TO DELETE THE MAXIMUM OPERATING LIMIT RED LINE FROM THE FACE OF THE METER, AND CHANGE FROM 0 - 600 AMP SCALE TO A 0 - 300 AMP SCALE.

92-B-004-052-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 04/29/1992  
SUBJECT: SUPPORT CHANGING THE TAPS FROM POSITION 4 TO POSITION 3 ON UNIT SERVICE TRANSFORMERS  
OTHER REF:  
CNTL REF: E-90-031  
ASSOC REC:  
TEXT: TEXT TYPE:

92-004-001-00

PROPOSED ACTIVITY:

THIS 50.59 IS WRITTEN TO SUPPORT CHANGING THE TAPS FROM POSITION 4 TO POSITION 3 ON UNIT SERVICE TRANSFORMER U 4000 12 AND U 4000 21 TO ALLOW THE 500 KV GRID TO OPERATE THROUGH A WIDER VOLTAGE.

CHANGING THE TAPS ON U 4000 12 AND U 4000 21 IS NECESSARY TO MAINTAIN THE VOLTAGES ON THE VITAL 4.16 KV BUSES 21 AND 14 WITHIN THE ACCEPTABLE OPERATING LEVELS DETERMINED IN CALCULATION E 90 031. THIS TAP CHANGE WILL ALLOW THE 500 KV SYSTEM TO OPERATE THROUGH A WIDER AND HIGHER VOLTAGE RANGE WITHOUT EXCEEDING ESTABLISHED STATION VOLTAGE LIMITS. OPERATION OF THE 500 KV LINES AT A HIGHER VOLTAGE RANGE REDUCES THE PROBABILITY OF A TRANSIENT CAUSING THE VOLTAGE TO DIP BELOW THE DEGRADED VOLTAGE RELAY SETTINGS ON THE 1 2 4. 16 KV BUSES.

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

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92-B-004-052-R01	38		
RECORD TYPE: 50.59			
RECORD DATE: 05/11/1992			
SUBJECT: SUPPORT CHANGING THE TAPS FROM POSITION 4 TO POSITION 3 ON UNIT SERVICE TRANSFORMERS			
OTHER REF:			
CNTL REF: 92-004-001-01			
ASSOC REC:			
TEXT: TEXT TYPE:			

PROPOSED ACTIVITY:

THIS 50.59 IS WRITTEN TO SUPPORT CHANGING THE TAPS FROM POSITION 4 TO  
POSITION 3 ON UNIT SERVICE TRANSFORMERS U 4000 11, U 4000 12, U 4000 13 AND  
U 4000 21 TO ALLOW THE 500 KV GRID TO OPERATE THROUGH A WIDER VOLTAGE RANGE  
DURING THE UNIT 1 OUTAGE WITH UNIT 2 AT POWER.

92-B-004-085-R00	38		
RECORD TYPE: 50.59			
RECORD DATE:			
SUBJECT: SUPPORTS REVISING PROCEDURES TO INCORPORATE CHANGING THE TAPS ON UNIT SERVICE TRANSFORMERS			
OTHER REF: OP-1		OP-5	OP-6
CNTL REF:			
ASSOC REC:			
TEXT: TEXT TYPE:			

PROPOSED ACTIVITY:

THIS 50.59 SUPPORTS REVISING PROCEDURES OP 1, OP 5, AND OP 6 TO INCORPORATE  
CHANGING THE TAPS ON UNIT SERVICE TRANSFORMERS U 4000 11 AND 13 OR  
U 4000 22 AND 23 TO ALLOW THE 500 KV GRID TO OPERATE THROUGH A WIDER VOLTAGE  
RANGE DURING ALL MODES OF OPERATION FOR UNIT 1 AND UNIT 2 WITH TRANSFORMERS  
P 13000 1 AND P 13000 2 IN SERVICE.

92-B-011-017-R00	38		
RECORD TYPE: 50.59			
RECORD DATE:			
SUBJECT: INSTALLATION OF A NEW SRW SYSTEM VALVE IN THE #11 TRAIN			
OTHER REF:			
CNTL REF: 91-0224-00		91-0224	
ASSOC REC:			
TEXT: TEXT TYPE:			

PROPOSED ACTIVITY:

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

NORMS RECORDS MANAGEMENT SYSTEM  
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REV REC STATUS COMMENTS  
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THE SUBJECT MODIFICATION AUTHORIZES THE INSTALLATION OF A NEW SERVICE WATER (SRW) SYSTEM VALVE IN THE NUMBER 11 TRAIN OF THE SRW SYSTEM, DOWNSTREAM OF 1 SRW 640, WHICH WILL ISOLATE SRW SUPPLY TO BLOWDOWN HEAT EXCHANGER NUMBER 12 UPON RECEIPT OF A CONTAINMENT SPRAY ACTUATION SIGNAL (CSAS) FROM THE ENGINEERED SAFETY FEATURES ACTUATION SYSTEM (ESFAS). THIS ACTIVITY IS TO BE IMPLEMENTED DURING OR AFTER THE MODIFICATIONS ASSOCIATED WITH FCR 91 223 WHICH CLOSES THE STEAM GENERATOR BLOWDOWN ISOLATION VALVES UPON RECEIPT OF A CSAS.

THIS ACTIVITY CAN BE INSTALLED AND TESTED IN TWO SEPARATE PHASES. THE FIRST PHASE IS ASSOCIATED WITH THE ELECTRICAL AND I&C MODIFICATIONS REQUIRED TO BE INSTALLED AND TESTED DURING A SCHEDULED OUTAGE PERIOD. THESE MODIFICATIONS WILL: 1) INSTALL A NEW CSAS RELAY, WIRING AND CABLING ON CHANNEL A1 OF CSAS OF THE ESFAS SYS FOR VALVE CONTROL UPON RECEIPT OF A CSAS, 2) PROVIDE LOCAL AND REMOTE (1 C 13) VALVE POSITION INDICATION, AND 3) PROVIDE THE AIR SUPPLY CONNECTION FOR THE NEW VALVE. A LOCAL CONTROL SWITCH WILL BE INSTALLED IN THE SERVICE WATER PUMP ROOM TO PROVIDE LOCAL CONTROL OF THE NEW VALVE FOR TESTING AND MAINTENANCE PURPOSES. UPON COMPLETION OF THESE MODIFICATIONS, THE ESFAS SYSTEM WILL BE TESTED TO ENSURE PROPER OPERATION FOR THIS ACTIVITY. THIS TESTING IS REQUIRED FOR TWO REASONS: 1) TO PERMIT INSTALLATION OF THE VALVE AND ITS ACCESSORIES DURING A NON OUTAGE PERIOD (IF REQUIRED) AND 2) TO DECLARE THE ESFAS SYSTEM OPERABLE UPON COMPLETION OF THIS PHASE

THE SECOND PHASE IS ASSOCIATED WITH THE MECHANICAL MODIFICATION REQUIRED TO SUPPORT THE INSTALLATION OF THE VALVE.

92-B-011-063-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: UPDATES CHAPTER 6 AND FIGURE OF THE UFSAR TO REFLECT REVISED PERFORMANCE LEVELS FOR THE CONTAINMENT AIR COOLERS

OTHER REF:

CNTL REF: 92-011-009-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS MCR UPDATES CHAPTER 5 AND FIGURE 14.20 - 1 OF THE UFSAR TO REFLECT REVISED PERFORMANCE LEVELS FOR THE CONTAINMENT AIR COOLERS (CAC). THE UFSAR UPDATE IS A RESULT OF A CHANGE OF SERVICE WATER SYSTEM (SRW) DESIGN TEMPERATURE FROM 95 DEGREES F TO 105 AND A DECREASE IN THE ANALYZED SRW DESIGN FLOW TO EACH CAC FROM 2000 GPM TO 1900 GPM.



CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

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PAGE: 30

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92-B-011-132-R00

39

RECORD TYPE: 50.59  
RECORD DATE: 11/16/1992  
SUBJECT: ADDITION OF 2 CANTILEVERED DRAIN VENT ASSEMBLIES  
OTHER REF:  
CNTL REF: 92-011-020-00  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

THIS ACTIVITY INVOLVES THE ADDITION OF TWO (2) CANTILEVERED DRAIN VENT ASSEMBLIES ON EACH SERVICE WATER OUTLET NOZZLE FOR THE # 11, 12, 21 AND 22 SRW HEAT EXCHANGERS.

UFSAR FIGURES 9 9A AND 9 27 A WILL BE UPDATED TO REFLECT THE NEW PLANT CONFIGURATION.

92-B-012-006-R00

38

RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT: NEW SILICONE FOUL RELEASE COATING  
OTHER REF:  
CNTL REF: 91-0216  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

91-0216-02

91-0216-01

91-0216-00

DURING THE NEXT U1 MAINTENANCE OUTAGE, IT IS PROPOSED TO MAKE AN APPLICATION OF GENERAL ELECTRIC COMPANY NEW SILICONE FOUL RELEASE COATING TO ONE CAVITY OF THE SALT WATER INTAKE STRUCTURE. AS ORIGINALLY PROPOSED, THIS ACTIVITY WILL ULTIMATELY BE EXTENDED TO COAT THE REMAINING 11 CAVITIES, ASSUMING THIS APPLICATION IS SHOWN TO BE SUCCESSFUL.

92-B-012-056-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 05/11/1992  
SUBJECT: GENERIC METHOD OF REPAIRING UNDERGROUND SW CAST IRON PIPING  
OTHER REF:  
CNTL REF: 92-012-017-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

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THIS ACTIVITY DEVELOPS A GENERIC METHOD OF REPAIRING UNDERGROUND SALT WATER CAST IRON PIPING WHERE UT EXAMINATION INDICATES THAT MINIMUM WALL THICKNESS IS NOT ADEQUATE TO SUPPORT SYSTEM OPERATION. THIS MODIFICATION WOULD BE IMPLEMENTED IF, DURING THE CLEANING AND INSPECTION EFFORTS, SECTIONS OF THE PIPE WERE FOUND TO HAVE THEIR WALLS ERODED TO A THICKNESS BELOW THE CODE MINIMUM WALL REQUIREMENTS. WALL THICKNESS DEGRADATION CAN OCCUR DUE TO STEEL PLATE TO THE INTERIOR OF THE PIPE. THIS GENERIC MODIFICATION IS BEING DEVELOPED BECAUSE THE CODE OF RECORD (USAS B 31. 1. 0) DOES NOT PERMIT WELDING TO THE CAST IRON PIPE. ADDITIONALLY, THIS REPAIR METHODOLOGY ELIMINATES THE NEED TO REPLACE THE NONCONFORMING SECTIONS OF THE PIPE.

92-B-012-075-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: DRAINING OF THE SW FROM THE U1 OR U2 COMPONENT COOLING WATER HEAT EXCHANGERS, ECCS PUMP ROOM AIR COOLERS OR BASKET STRAINERS

OTHER REF: 01-29

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

DRAINING OF THE SALT WATER FROM THE UNIT ONE OR UNIT TWO COMPONENT COOLING WATER HEAT EXCHANGER, ECCS PUMP ROOM AIR COOLERS, OR ECCS PUMP ROOM COOLER BASKET STRAINERS TO ANOTHER OPERATION COMPONENT COOLING WATER HEAT EXCHANGER, ECCS PUMP ROOM AIR COOLER, OR ECCS PUMP ROOM COOLER BASKET STRAINER.

92-B-012-167-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: TEMPORARY ALTERATIONS, FIVE CHANGES, FOUR PHYSICAL AND ONE PROCESS RELATED

OTHER REF: TAN2-92

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY: TEMPORARY ALTERATION

THERE ARE FIVE PORTIONS TO THE TEMPORARY ALTERATION, FOUR PHYSICAL AND ONE PROCESS RELATED:

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THE PROCESS CHANGE IS THE INJECTION OF A NEW BIOCID (CLAM - TROL) INTO THE SALTWATER (SW) SYSTEM.

THE PHYSICAL ALTERATIONS INCLUDE:

THE STORAGE OF CLAM - TROL WITHIN THE PROTECTED AREA.

THE PASSING OF A FLEXIBLE HOSE FROM THE STORAGE CONTAINERS THROUGH THE INTAKE STRUCTURE'S EAST WALL VIA AN EXISTING 2" PENETRATION.

THE INJECTION OF THE BIOCID INTO THE DISCHARGE OF THE #12 (OR #13) SW PUMP (FOR UNIT 1) AND INTO THE DISCHARGE OF #22 (OR #23) SW PUMP (FOR UNIT 2). THE BIOCID INJECTION PUMP WILL BE PLUGGED INTO EXISTING 115 VAC OUTLET.

THE INSTALLATION OF CORROSION MONITORING STATIONS ON THE SW PIPING DOWNSTREAM OF THE #11 (21) AND #12 (22) SERVICE WATER HEAT EXCHANGERS AND UPSTREAM OF THE CIRCULATING WATER CONDUITS.

92-B-013-020-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: REVISE UFSAR, FIRE PROTECTION SYSTEM P&ID

OTHER REF:

CNTL REF: 91-013-010-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

REVISE UFSAR FIGURE 9 - 22 E, FIRE PROTECTION SYSTEM P&ID (M - 56 SHEET 6), TO REFLECT:

INSTALL SPRINKLER SUPPLY PIPING FOR THE THREE TEMPORARY TRAILERS TO THE NORTH OF THE INTERIM OFFICE BUILDING:

REMOVE IOB FIRE DEPARTMENT CONNECTION AND ASSOCIATED CHECK VALVE. AT LOCATION OF OLD FIRE DEPARTMENT CONNECTION TIE IN TO IOB SPRINKLER SYSTEM INSTALL NEW GATE VALVE AND ROUTE NEW PIPING OUTSIDE OF THE IOB TO THE THREE TEMPORARY TRAILERS TO THE NORTH OF THE IOB. THE NEW PIPING, ROUTED OUTSIDE AND ABOVE GROUND, WILL REQUIRE HEAT TRACING TO PREVENT FREEZING.

92-B-013-025-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: MODIFY OUTSIDE FIRE PROTECTION SYSTEM

OTHER REF:

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

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RECORD ID      REV      REC STATUS      COMMENTS

0      CNTL REF: 89-0176-00      89-0176  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

THIS ACTIVITY WILL MODIFY THE OUTSIDE FIRE PROTECTION SYSTEM. THE CHANGES ARE CUTTING OFF AND ABANDONING AN EXISTING SECTION OF 10 INCH UNDERGROUND FIRE PROTECTION PIPING. ONE END OF THE REMAINING LINE WILL BE CAPPED WHILE THE OTHER END WILL BE CLOSED OFF BY A NORMALLY CLOSED POST-INDICATOR VALVE AND CAP. EXISTING FIRE HYDRANT NUMBER 17 WILL BE MOVED FROM ITS PRESENT LOCATION UPSTREAM ON THE PIPING TO BE ABANDONED TO A POINT ON THE OUTSIDE FIRE SYSTEM WHERE IT WILL BE SUPPLIED FROM THE SAME FIRE PUMP HOUSE (FIRE PUMP HOUSE NUMBER 2). SECTIONS OF PIPING WILL ALSO BE REMOVED OR REROUTED TO ACCOMMODATE CONSTRUCTION OF THE NUCLEAR SECURITY FACILITY. ONE ADDITIONAL HYDRANT WILL BE ADDED ON THE HEADER FROM THE NUCLEAR OFFICE FACILITY.

92-B-015-191-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: ALLOWS THE INSTALLATION OF ROTOMETERS IN PORTIONS OF THE COMPONENT COOLING WATER LINES

OTHER REF: ETP#91-48

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

P D S U MEMO P D S 92. 198 AND THIS 50.59 SAFETY EVALUATION ALLOWS THE INSTALLATION OF ROTOMETERS IN PORTIONS OF THE COMPONENT COOLING WATER LINES FOR THE #11, 12 AND 13 HIGH PRESSURE SAFETY INJECTION (HPSI) PUMPS. THESE ROTOMETERS ARE BEING INSTALLED IN SUPPORT OF ENGINEERING TEST PROCEDURE (ETP) 91 - 48.

92-B-019-121-R00

38

RECORD TYPE: 50.59

RECORD DATE: 12/16/1992

SUBJECT: PNEUMATIC CONDENSATE DEMINERALIZER FLOW INSTRUMENTS

OTHER REF:

CNTL REF: 91-0239-00

91-0239

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:



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CONTROL TIME: 08:58

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THE PROPOSED MODIFICATION REPLACES EXISTING PNEUMATIC CONDENSATE DEMINERALIZER FLOW INSTRUMENTS IN THE CONDENSATE DEMINERALIZER SYSTEM WITH EQUIVALENT ELECTRONIC INSTRUMENTS. THE AFFECTED INSTRUMENTS INCLUDE FLOW TRANSMITTERS, FLOW SWITCHES, TOTALIZERS AND RECORDERS. EACH CONDENSATE DEMINERALIZER HAS ONE SET OF FLOW INSTRUMENTS AND THERE IS ONE EXTRA SET OF INSTRUMENTS FOR TOTAL FLOW LEAVING ALL 5 DEMINERALIZERS. THESE INSTRUMENTS ARE ALL NSR, AND THEY ARE LOCATED IN THE 12' ELEVATION OF THE WATER TREATMENT AREA, WHICH IS A NONSEISMIC, MILD ENVIRONMENT.

92-B-021-152-R00

38

RECORD TYPE: 50.59

RECORD DATE: 11/25/1992

SUBJECT: FLOW DEMAND CHLORINATION SYSTEM

OTHER REF:

CNTL REF: 60213

92-021-001-00

ASSOC REC:

TEXT: TEXT TYPE:

ACTIVITY:

NSR MCR PROVIDES THE ENGINEERING EVALUATION OF A FLOW DEMAND CHLORINATION SYSTEM IN THE PLANTS DOMESTIC WATER SYSTEM. THE INSTALLATION IS LOCATED IN THE NORTH EAST CORNER OF THE MECHANICAL EQUIPMENT ROOM, WATER TREATMENT AREA, ELEVATION 12' ADJACENT TO THE EXTERIOR OF THE EAST WALL OF THE U2 TURBINE BUILDING. THIS AREA AND GENERIC EQUIPMENT LOCATION IS ILLUSTRATED ON UFSAR FIGURE 1 29. A FORMER INSTALLATION, #11 HYPOCHLORINATOR, IS CURRENTLY SHOWN ON DRAWING. A DCN HAS BEEN INITIATED TO REVISE THIS UFSAR DRAWING.

92-B-023-128-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: CHANGE FSAR

OTHER REF:

CNTL REF: 91-023-006-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

FSAR SECTION 10.4.2 STATES THAT THE # 2 DIESEL FUEL OIL FOR THE AUXILIARY BOILERS, DIESEL DRIVEN FIRE PUMP, AND THE EMERGENCY DIESEL GENERATORS SHALL HAVE A VISCOSITY RANGE OF 35 TO 50. IN ADDITION TECH SPEC 3/4 7 11 1 AND 3/4 8 1 1 HAVE SURVEILLANCE REQUIREMENTS THAT RESULT IN TESTING THE DIESEL FUEL OIL FOR VISCOSITY, AND WATER AND SEDIMENT IN ACCORDANCE WITH ASTM D 975 TABLE 1 EVERY 92 DAYS.

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92-B-024-016-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: EDG 12 TO POWER 4 KV BUSES 11 & 12

OTHER REF: OI-27C-CHANGE92-1023

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS 50.59 IS WRITTEN TO SUPPORT OI 27 C CHANGE 91 1023, WHICH ALLOWS  
EDG 12 TO POWER 4 KV BUSES 11 AND 21.

92-B-024-016-R01

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: WRITTEN TO SUPPORT OI 27 C CHANGE 92 1023, WHICH ALLOWS EDG 12 TO  
POWER 4 KV BUSES 11 AND 21.

OTHER REF: OI-27C-CHNG92-1023

CNTL REF: OI-27C

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS 50.59 IS WRITTEN TO SUPPORT OI 27 C CHANGE 92 1023, WHICH ALLOWS EDG  
12 TO POWER 4 KV BUSES 11 AND 21.

THIS 50.59 DEMONSTRATES THAT THE EDG # 12 WILL NOT BE OVERLOADED AFTER EDG 21  
OR CONTROL ROOM A/C UNIT 12 FAILURE AND LOSS OF OFFSITE POWER TO ENERGIZE  
4 KV BUS 11, 480V LOAD CENTER BUS 11A AND 480V MCC 114R VIA EDG 12.

92-B-024-016-R02

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: SUPPORT OI 27 C CHANGE 92 1023

OTHER REF: CHANGE92-1023

CNTL REF: OI-27C

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS 50.59 IS WRITTEN TO SUPPORT OI 27 C CHANGE 92 1023, WHICH ALLOWS EDG 12

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TO POWER 4 KV BUSES 11 AND 21.

92-B-024-016-R03

38

RECORD TYPE: 50.59

RECORD DATE: 05/04/1992

SUBJECT:

OTHER REF: OICHANGE92-1023

CNTL REF: OI-27C

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS 50.59 IS WRITTEN TO SUPPORT OI 27 C CHANGE 92 1023, WHICH ALLOWS EDG 12 TO POWER 4 KV BUSES 11 AND 21.

THIS 50.59 DEMONSTRATES THAT THE EDG # 12 WILL NOT BE OVERLOADED AFTER EDG 21 OR CONTROL ROOM A/C UNIT 12 FAILURE AND LOSS OF OFFSITE POWER TO ENERGIZE 4KV BUS 11, 480V LOAD CENTER BUS 11A, AND 480V MCC 114R VIA EDG 12. STRATEGIC LOADS ON 480 V MCC 101 A T ARE ANALYZED SHOULD THEY BE REQUIRED, HOWEVER, MCC 101 A T WILL ONLY BE RE ENERGIZED IF THE LOADS ARE NEEDED. RESTORATION OF CONTROL ROOM A/C UNIT NUMBER 11 IS REQUIRED PRIOR TO THE CONTROL ROOM TEMPERATURE REACHING 140 DEGREES F.

92-B-024-061-R01

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: INSTALL A HALF COUPLING, NIPPLE, 3/4" GATE VALVE, AND PIPE CAP ON THE PIPING DOWNSTREAM OF THE OUTLET NOZZLE

OTHER REF:

CNTL REF: 92-024-007-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

MCR 92 024 007 00 PROPOSES TO INSTALL A HALF COUPLING, NIPPLE, 3/4" GATE VALVE, AND PIPE CAP ON THE PIPING DOWNSTREAM OF THE OUTLET NOZZLE OF EACH D/G COOLER (SHELL SIDE). THE PIPE / VALVE ASSEMBLY WILL FACILITATE HEAT EXCHANGER PERFORMANCE TESTING. DURING NORMAL OPERATIONS, THE GATE VALVE WILL BE CLOSED AND THE PIPE CAP INSTALLED.

THIS PIPE / VALVE ASSEMBLY WILL BE USED FOR GL 89 13 TESTING PURSUANT TO AN ENGINEERING TEST PROCEDURE (ETP). THE D/G WILL BE DECLARED IN OPERABLE DURING TESTING PER THE ETP. THE ETP WILL ATTACH A TEMPERATURE

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SENSOR TO THE END OF THE PIPE ( IN LIEU OF THE THREADED CAP). THE  
TEMPERATURE SENSOR IS EQUIPPED WITH A PACKING GLAND AND THE SENSOR WILL BE  
INSERTED INTO THE OUTLET NOZZLE FLOW STREAM THROUGH THE GATE VALVE & NIPPLE.

92-B-024-087-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: EMERGENCY DIESEL GENERATOR BUILDINGS.

OTHER REF:

CNTL REF: 89-0079

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THE ACTIVITY IS THE CONSTRUCTION OF THE EMERGENCY DIESEL GENERATOR BUILDINGS.  
TWO IDENTICAL SEISMIC CAT 1 THREE STORY EDG BUILDINGS WITH A PARTIAL BASEMENT  
WILL BE LOCATED IN THE CURRENT NORTH PARKING LOT AREA. THE FOUNDATION MAT  
AND PARTIAL BASEMENT WILL BE CONSTRUCTED FOR A THIRD BUILDING. THE EDG  
BUILDINGS WILL SUPPORT THE INSTALLATION AND OPERATION OF TWO NEW EDGS TO MEET  
CCNPP STATION BLACKOUT REQUIREMENTS IN COMPLIANCE WITH 10 CFR 50.63 AND  
REGULATORY GUIDE 1.155, STATION BLACKOUT, AND TO PROVIDE SPARE EMERGENCY  
ELECTRICAL CAPACITY FOR FUTURE ADDITIONS AND MODIFICATIONS.

92-B-024-093-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: PERFORMANCE EVALUATION OF HEAT EXCHANGERS

OTHER REF: ETP#92-046

ETP#92-047

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

NRC GENERIC LETTER 89-13 AND OUR RESPONSE TO GL 89-13 REQUIRES THE  
PERFORMANCE EVALUATION OF HEAT EXCHANGERS. ETP 92 046 AND ETP 92 047  
COLLECT DATA ASSOCIATED WITH THE EMERGENCY DIESEL GENERATOR (EDG) AIR  
COOLER, LUBE OIL COOLER AND JACKET WATER COOLER PER GL 89 13. THE  
PROCEDURES COLLECT THERMODYNAMIC DATA REGARDING TEMPERATURE AND FLOWRATES  
OF THE SERVICE WATER (SRW) AND PROCESS FLUIDS.

92-B-024-094-R00

38

RECORD TYPE: 50.59

RECORD DATE:



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SUBJECT: EVALUATES THE ACCEPTABILITY OF THE USE OF A 1" BALL VALVE AS A  
REPLACEMENT FOR THE 1" PLUG VALVE

OTHER REF:

CNTL REF: 91-024-025-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS MCR EVALUATES THE ACCEPTABILITY OF THE USE OF A 1" BALL VALVE AS A  
REPLACEMENT FOR THE 1" PLUG VALVE INSTALLED AS VALVES D C W 118 & 119 FOR  
EMERGENCY DIESEL GENERATORS 11, 12, AND 21. THESE VALVES ARE  
THE JACKET COOLING WATER INLET ISOLATION VALVES TO THE TURBO CHARGERS.  
REPLACEMENT VALVE IS 3/4" LONGER THAN THE INSTALLED VALVE. THEREFORE,  
MODIFICATION MAY BE REQUIRED FOR FIELD TO FIT THE REPLACEMENT VALVE.

92-B-024-113-R00

39

RECORD TYPE: 50.59

RECORD DATE: 09/23/1992

SUBJECT: YARD MODIFICATIONS

OTHER REF:

CNTL REF: 89-0079

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY: THIS EVALUATION ADDRESSES FIVE ACTIVITIES ASSOCIATED WITH  
THE YARD MODIFICATIONS IN SUPPORT OF THE NEW EDG BUILDINGS AS FOLLOWS:

1. WELL WATER LINE RELOCATION; 2. STORM DRAIN SYSTEM MODIFICATIONS;  
3. PLANT GROUNDING; 4. FINAL SITE GRADING AND PAVING AND 5. CATHODIC  
PROTECTION SYSTEM MODIFICATIONS. THESE MODIFICATIONS ARE BEING PERFORMED  
DUE TO THE INTERFERENCE OF THESE FACILITIES AND SERVICES WITH THE SITE  
EXCAVATION AND CONSTRUCTION ASSOCIATED WITH THE NEW EDG NORTH PARKING LOT  
LOCATED OUTSIDE THE PLANTS PROTECTED AREA. THE WELL WATER LINE IS LOCATED  
WITHIN THE CURRENT SECURITY FENCE ISOLATION ZONE. ALL ACTIVITIES ASSOCIATED  
WITH THE YARD MODIFICATIONS ARE NS RELATED. THESE ACTIVITIES WILL BE  
PERFORMED CONCURRENTLY WITH THE EDG BUILDING CONSTRUCTION AND EXCAVATION.  
THESE MODIFICATIONS WILL SUPPORT THE INSTALLATION OF THE NEW EDG BUILDINGS  
AND THE OPERATION OF TWO NEW EDGS TO MEET CONPP STATION BLACKOUT REQUIREMENTS  
IN COMPLIANCE WITH 10 CFR 50.63 AND REG GUIDE 1.155, STATION BLACKOUT, AND TO  
PROVIDE SPARE EMERGENCY ELECTRICAL CAPACITY FOR FUTURE ADDITIONS AND MODS.

92-B-024-133-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: INSTALLATION OF CHECK VALVE ON THE CROSS TIE

OTHER REF:

CONTROL DATE: 12/10/1993  
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0      CNTL REF: 92-024-009-00  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

THE ACTIVITY COVERED BY THIS EVALUATION IS THE INSTALLATION OF A CHECK VALVE ON THE CROSS TIE KEEP WARM SR PIPING BETWEEN THE JACKET WATER COOLING LOOP AND THE AIR COOLANT LOOP OF EMERGENCY DIESEL GENERATORS 11, 12 & 21. DURING SHUTDOWN CONDITIONS, AN ELECTRIC CIRCULATING PUMP DRAWS JACKET WATER AND AIR COOLANT LOOP WATER THROUGH A HEATER TO KEEP THE ENGINE WARM FOR EASY START. HOWEVER, DURING NORMAL OPERATION OF THE EDG, SOME OF THE HOT JACKET WATER CAN ENTER THE AIR COOLANT LOOP VIA THE CROSS TIE LINE. SINCE THE JACKET WATER ENTERING THE AIR COOLANT LOOP HAS HIGHER TEMPERATURES THAN THE AIR COOLANT LINE, THIS IMPOSES HIGHER HEAT LOADS ON THE AIR COOLANT HEAT EXCHANGER. THE ADDITION OF THE CHECK VALVE ON THE CROSS TIE LINE ON EACH EDG WILL PREVENT ANY BACK FLOW FROM THE JACKET WATER COOLING LOOP TO THE AIR COOLANT LOOP DURING NORMAL OPERATION OF THE EDG.

92-B-026-190-R00      38  
RECORD TYPE: 50.59  
RECORD DATE: 12/22/1992  
SUBJECT: HANGING ALARM ON 22B RCP  
OTHER REF:  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

TEMPORARY ALTERATION DISABLES THE HANGING ALARM ON 22B REACTOR COOLANT PUMP BLEED OFF FLOW UNTIL REPAIRS CAN BE MADE TO ITS FLOW ELEMENT.

92-B-028-163-R00      38  
RECORD TYPE: 50.59  
RECORD DATE: 12/09/1992  
SUBJECT: REPLACEMENT OF COMPONENTS IN NSR AUX BOILERS  
OTHER REF:  
CNTL REF: 92-0207-01      92-0207  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

REPLACEMENT OF EXISTING COMPONENTS IN THE NSR AUX BOILERS WITH NEW COMPONENTS THIS ACTIVITY SPECIFICALLY INVOLVES THE REPLACEMENT OF THE FUEL OIL CONTROL AND SAFETY SHUT OFF VALVES AND IS PRIMARILY A LIKE FOR LIKE REPLACEMENT ACTIVITY WITH A FEW EXCEPTIONS. THESE EXCEPTIONS ARE THE ADDITION OF A

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SECOND FUEL OIL SAFETY SHUT OFF VALVE FOR EACH BOILER, A REQUIREMENT OF THE PRESENT NATIONAL FIRE PROTECTION ASSOCIATION CODE AND FACTORY MUTUAL APPROVAL STANDARDS; THE REMOVAL OF THE FUEL OIL RECIRCULATION VALVE, A RECOMMENDATION FROM BABCOCK AND WILCOX; AND THE ADDITION OF A FLANGED SPOOL PIECE IN THE FUEL OIL PIPING. THESE MODIFICATIONS WILL REQUIRE SOME MINOR CHANGES TO THE FUEL OIL PIPING AND TO THE ELECTRICAL CONTROLS. THE NEW VALVES WILL INTERFACE WITH THE EXISTING ELECTRICAL AND PNEUMATIC CONTROLS. EXISTING INSTRUMENT AIR SUPPLY AND AIR REGULATORS WILL BE USED FOR THE NEW CONTROL VALVES. SYSTEM DESIGN CONDITIONS AND CAPACITIES ARE NOT BEING ALTERED BY THE ACTIVITY. UFSAR FIGURE 10 6B AND FIGURE 9 23 SHEET 2 WILL BE REVISED TO SHOW THE MODIFICATIONS MADE TO ACCOMMODATE THESE CHANGES. IN ADDITION FIGURE 10 6B WILL BE REVISED TO REFLECT MINOR EDITORIAL CORRECTIONS CONSISTING OF SYMBOL CHANGES TO REFLECT THAT VALVES ARE BACK PRESSURE CONTROL.

92-B-029-031-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: LIFT THE MOTOR AND CONTROL LEADS TO 1 MOV 6579 AND 2 MOV 6579

OTHER REF:

CNTL REF: 88-0070-0005

88-0070

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

LIFT THE MOTOR AND CONTROL LEADS TO 1 MOV 6579 AND 2 MOV 6579, CONTAINMENT HEATING OUTLET ISOLATION VALVES. THESE VALVES ARE CONTAINMENT ISOLATION VALVES AND CLOSE ON A SIAS ACTUATION SIGNAL. BOTH VALVES WILL BE LOCKED CLOSED AND THE UNLOCKING OF THE VALVE WILL BE CONTROLLED VIA ADMINISTRATIVE PROCEDURES. IN ADDITION ALL CONTROL AND INDICATION WILL BE REMOVED FROM THE CONTROL ROOM FOR 1 MOV 6579 AND 2 MOV 6579.

92-B-030-076-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT:

OTHER REF: TA#1-92-077

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS 50.59 SAFETY EVALUATION SUPPORTS TEMPORARY ALTERATION (TA) 1 92 077. THE TA TEMPORARILY INSTALLS A MANUAL VALVE UPSTREAM OF THE RECEIVER

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PRESSURE REGULATOR FOR NUMBER 12 HVAC REFRIGERATION UNIT OF THE CONTROL ROOM AND CABLE SPREADING ROOM (CR) HVAC SYSTEM. THIS TEMPORARY ALTERATION IS REQUIRED TO MINIMIZE THE EFFECTS OF THE REGULATOR SEAT LEAKAGE ON THE CR HVAC SYSTEM PERFORMANCE DURING HIGH OUTSIDE AMBIENT TEMPERATURE CONDITIONS.

92-B-030-084-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: MODIFY THE CONTROL ROOM AIR CONDITIONING UNITS 11 & 12

OTHER REF:

CNTL REF: 91-0298

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY WILL MODIFY THE CONTROL ROOM AIR CONDITIONING (A/C) UNITS 11 AND 12 BY:

REPLACING THE EXISTING 7/8 INCH DIAMETER CONDENSER BYPASS VALVES 0 PCV 5340 AND 0 PCV 53 41 WITH NEW CONDENSER BYPASS VALVES WITH A DIAMETER OF 1 3/8".

ADDING 1 5/8" ISOLATION VALVE ON THE CONDENSER BYPASS LINE FOR CR A/C UNIT 12 ONLY

RELOCATING THE BYPASS LINES' CONNECTIONS DOWNSTREAM OF THE EXISTING CHECK VALVES; AND MODIFYING THE BYPASS LINES.

92-B-030-096-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: PROVIDES A CONFIGURATION UPDATE OF THE INSTALLED CONTROL ROOM AND CABLE SPREADING ROOM HVAC CONTROL SYSTEM

OTHER REF: RDC#1R9200039

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS NON SAFETY RELATED (NSR) RDC PROVIDES A CONFIGURATION UPDATE OF THE INSTALLED CONTROL ROOM AND CABLE SPREADING ROOM HVAC CONTROL SYSTEM IN THE INSTRUMENT AIR SUPPLY DOWNSTREAM OF ISOLATION VALVE 1 IA 966 AND THE

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UPGRADE OF DAMPER ACTUATORS 0 PO 53 63 A (SEE FCR 91 0297). THIS CONTROL SYSTEM IS SHOWN ON UFSAR FIGURE 9 23 3 (M-53, SH. 3, 60 237). FOR THIS REASON, A SAFETY EVALUATION HAS BEEN GENERATED. A MARKED UP DRAWING IS ATTACHED TO ILLUSTRATE THE COMPLETE INSTALLATION.

92-B-030-149-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 10/14/1992  
SUBJECT: MECHANICALLY GAG CONTROL ROOM HVAC #12 RECIRCULATION AIR DAMPER  
OTHER REF: 1-92-117  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

MECHANICALLY GAG CONTROL ROOM HVAC UNIT 12 RECIRCULATION AIR DAMPER IN THE FAIL SAFE POSITION TO ALLOW THE REPLACEMENT OF THE ASSOCIATED DAMPER OPERATOR

92-B-030-149-R01

39

RECORD TYPE: 50.59  
RECORD DATE: 11/11/1992  
SUBJECT: CR HVAC UNIT #12  
OTHER REF: 1-92-117  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

MECHANICALLY GAG CONTROL ROOM HVAC UNIT #12 #11 RECIRCULATION AIR DAMPER IN THE FAIL SAFE POSITION (OPEN) TO ALLOW THE REPLACEMENT OF THE ASSOCIATED DAMPER OPERATOR.

92-B-032-110-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 09/08/1992  
SUBJECT: SUPPORT CHANGES TO SWITCH GEAR VENTILATION AND AIR CONDITIONING  
PROCEDURE AND ALARM MANUAL PROCEDURE  
OTHER REF: 01-22H  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:



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THIS 50.59 SAFETY EVALUATION IS WRITTEN TO SUPPORT CHANGES TO SWITCHGEAR VENTILATION AND AIR CONDITIONING PROCEDURE, OI 22 H AND ALARM MANUAL PROCEDURE.

IF VENTILATION IS LOST IN EITHER ONE OF THE SWITCHGEAR ROOMS (27' OR 45') WITH NORMAL CONDITIONS EXISTING IN THE OTHER, OPERATOR ACTIONS WILL BE TAKEN TO RESTORE VENTILATION PER OI 22 H SINCE ONE SWITCHGEAR TRAIN REMAIN OPERABLE. HOWEVER, IF VENTILATION IS LOST TO BOTH ROOMS SIMULTANEOUSLY, OR VENTILATION IS LOST TO ONE ROOM AND AN ADDITIONAL PROBLEM EXISTS IN THE OTHER ROOM (E.G. FIRE), OPERABILITY OF BOTH SAFETY RELATED ELECTRICAL TRAINS IN BOTH SWITCHGEAR ROOMS IS IN TROUBLE.

92-B-036-135-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: AFW PUMP TOTAL DEVELOPED HEAD AND SHUT OFF HEAD.

OTHER REF:

CNTL REF: 92-036-017-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

IR 287 INDICATED THERE IS A DISCREPANCY BETWEEN UFSAR SECTION 10.3.2, TABLE 14 10.1 AND 1 - 5 WITH REGARDS TO THE AUX FEEDWATER PUMP TOTAL DEVELOPED HEAD AND SHUT OFF HEAD.

92-B-036B-010-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: ADD A RESISTOR AND CAPACITOR TO EXISTING PINS OF A LOGIC BOARD CONNECTOR

OTHER REF:

CNTL REF: 84-0149

84-0149-0002

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY WILL ADD A RESISTOR AND CAPACITOR (RC) CIRCUIT TO EXISTING PINS OF A LOGIC BOARD CONNECTOR ON THE SEAL IN LOOP OF THE AUXILIARY FEEDWATER ACTUATION SYSTEM (AFAS) STEAM GENERATOR (SG) LOW LEVEL LOGIC. THE RC CIRCUIT, ESSENTIALLY A FILTER, WILL PREVENT SPURIOUS ACTUATIONS OF THE AFAS DUE TO VOLTAGE SPIKES IN THE LOGIC MODULES. THE EFFECTED ACTUATION CHANNELS ARE AZ AND AB. POWER FOR EACH CHANNEL IS SUPPLIED FROM SEPERATE 120 V VITAL AC BUSES. ALL WORK WILL BE CONDUCTED IN THE CABLE

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SPREADING ROOM IN THE AFAS CABINETS. THE SEISMICALLY INSTALLED AFAS IS  
SAFETY RELATED CLASS 1E. VITRO, THE ORIGINAL EQUIPMENT MANUFACTURER  
DESIGNED AND PERFORMED LABORATORY VERIFICATION TESTING OF THE CIRCUIT.

92-B-038-102-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: INSTALLATION OF MANUAL STOP VALVES IN THE CALIBRATION AND REAGENT  
LINES

OTHER REF: RDCIRW9200373

RDCIRW9200374

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS 50.59 SAFETY EVALUATION SUPPORTS RDC IR 92 00 373 & 4. THE RDC  
EVALUATES THE INSTALLATION OF MANUAL STOP VALVES IN THE CALIBRATION AND  
REAGENT LINES THAT SUPPLY THE GAS ANALYZER SYSTEM. THIS RDC IS REQUIRED  
BECAUSE THESE VALVES ARE INSTALLED IN THE SYSTEM BUT ARE NOT SHOWN  
ON THE Q-LIST OR FSAR DRAWINGS.

92-B-038-155-R00

39

RECORD TYPE: 50.59

RECORD DATE: 11/16/1992

SUBJECT: STEAM GENERATOR BLOWDOWN AND TURBINE PLANT SAMPLE SYSTEM

OTHER REF:

CNTL REF: 92-038-003-00

92-076-001-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

MCRS PROVIDE REPLACEMENTS FOR THE EXISTING STEAM GENERATOR BLOWDOWN AND  
TURBINE PLANT SAMPLE SYSTEM SAMPLE PRESSURE REDUCING VALVES. THE ORIGINAL  
VALVES ARE NO LONGER AVAILABLE AND THE REPLACEMENT VALVES ARE CURRENTLY  
SPECIFIED BY THE SAMPLE PANEL VENDOR. THE ORIGINAL VALVES WERE REQUIRED TO  
BE CONSTRUCTED OF TYPE 316 STAINLESS STEEL FOR SURFACES IN CONTACT WITH  
SAMPLE FLUIDS. THE REPLACEMENT VALVES ARE CONSTRUCTED OF TYPES 303 AND 304  
STAINLESS STEEL MATERIALS. THE REPLACEMENT VALVES MEET DESIGN AND  
PERFORMANCE REQUIREMENTS FOR THIS APPLICATION AND DO NOT ALTER THE FUNCTION,  
OR METHOD OF PERFORMING THE FUNCTION, OF THE SAMPLE SYSTEMS.

92-B-041-053-R00

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0      RECORD DATE:  
SUBJECT: VOLUME CONTROL TANK LEVEL TRANSMITTERS  
OTHER REF:  
CNTL REF: 91-041-037-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

MCR 91 041 037 REV. 0 REPLACES EXISTING VOLUME CONTROL TANK (VCT) LEVEL TRANSMITTERS WITH TRANSMITTERS THAT HAVE DIAPHRAGM SEALS. THE ADDITION OF DIAPHRAGM SEALS AND CAPILLARY TUBES PROVIDES ADDITIONAL PROTECTION FOR THE TRANSMITTER AND THE BORIC ACID STORAGE TANK ROOMS IN THE EVENT OF A VCT OVERFILL.

92-B-041-077-R00      38  
RECORD TYPE: 50.59  
RECORD DATE: 10/28/1992  
SUBJECT: MODIFIES CHARGING PUMP LOW SUCTION PRESSURE TRIP  
OTHER REF:  
CNTL REF: 92-041-005-00  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

THIS ACTIVITY MODIFIES THE CHARGING PUMP LOW SUCTION PRESSURE TRIP ON BOTH UNIT 1 AND UNIT 2. IT WILL TRANSFER THE TRIP FUNCTION FROM THE INSTALLED PRESSURE CONTROLLERS TO NEWLY INSTALLED PRESSURE SWITCHES.

92-B-041-111-R00      38  
RECORD TYPE: 50.59  
RECORD DATE: 09/16/1992  
SUBJECT: EVALUATES AND APPROVES THE USE OF AN ASHCROFT MODEL PSI PRESSURE GAUGE  
OTHER REF:  
CNTL REF: 92-041-009-00  
ASSOC REC:  
TEXT: TEXT TYPE:  
ACTIVITY:

THIS MCR EVALUATES AND APPROVES THE USE OF AN ASHCROFT MODEL PSI PRESSURE GAUGE ATTACHED TO AN ASHCROFT MODEL DIAPHRAGM SEAL WITH AN ORIFICE THROTTLE SCREW AND PROVIDES AN ENGINEERING EVALUATION FOR THE PRESSURE GAUGE AND DIAPHRAGM SEAL ASSEMBLIES INSTALLED. ENGINEERING FOR THE PRESSURE GAUGES AND DIAPHRAGM SEAL ASSEMBLIES INSTALLED WAS PROVIDED BY MCR 90 01 818.

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92-B-041-129-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: NEW CORE FLUSH REQUIREMENT FOR INJECTION FLOW.

OTHER REF: FCR#92-3005

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

CHANGE UFSAR SECTION 6 POINT 10 TO INCLUDE THE NEW CORE FLUSH REQUIREMENT FOR 150 GPM INJECTION FLOW AND A DISCUSSION OF THE DIFFERENCE BETWEEN INJECTION FLOW AND CORE FLUSHING FLOW. ALSO, THROTTLE CVC 188 IN ORDER TO PROVIDE THE REQUIRED INJECTION FLOW.

92-B-041-137-R00

38

RECORD TYPE: 50.59

RECORD DATE: 11/04/1992

SUBJECT: UFSAR FIGURES WILL BE REVISED

OTHER REF:

CNTL REF: 91-0299-00

91-0299

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS EVALUATION IS REQUIRED BECAUSE UFSAR FIGURES 9 3A AND 9 24A WILL BE REVISED BASED ON THE PROPOSED ACTIVITIES EVALUATED UNDER THE FCR, ASSOCIATED WITH THE CHARGING PUMP SEAL WATER LUBRICATION SYSTEM. ADDITIONALLY THIS ACTIVITY WILL MODIFY THE EXISTING CHARGING PUMP PLUNGER WELL SECONDARY DRAIN LINE AND THE SEAL WATER TANK OVERFLOW LINE CONFIGURATIONS AS WELL AS OTHER PORTIONS OF THE CHARGING PUMPS THAT MAY HAVE CONTRIBUTED TO THE CONTINUING R GAS PROBLEMS.

92-B-041-179-R00

38

RECORD TYPE: 50.59

RECORD DATE: 12/23/1992

SUBJECT: NITROGEN MANIFOLD

OTHER REF:

CNTL REF: 92-041-001-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

CURRENTLY NITROGEN (N2) IS CHARGED INTO THE RECEPTACLE OF THE CHARGING SYSTEM

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DESURGERS AND STABILIZERS VIA A PORTABLE CHARGING MANIFOLD AND N2 BOTTLE.

FOR EASE OF OPERATION, MCR EVALUATES THAT FOLLOWING: 1. THE PERMANENT INSTALLATION OF A N2 MANIFOLD (ONE PER UNIT), 2. MODIFYING THE N2 BLADDER PLUG TO PROVIDE A PERMANENT N2 CONNECTION POINT, 3. PROVIDE THE DESIGN FOR PERMANENT INSTALLATION OF THE N2 BOTTLES.

92-B-042-032-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 03/16/1992  
SUBJECT: REMOVE THE U1 AND 2 DEWATERING PUMP DISCHARGE CHECK VALVES  
OTHER REF:  
CNTL REF: 92-042-001-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS 50.59 SAFETY EVALUATION IS REQUIRED BECAUSE MCR 92 042 002 00 PROPOSES TO REMOVE THE UNIT 1 AND 2 DEWATERING PUMP DISCHARGE CHECK VALVES BASED ON THE MCR EVALUATION. THE UNIT 1 DEWATERING PUMP DISCHARGE CHECK VALVES ARE ILLUSTRATED ON FSAR FIGURE 9 - 8. THEREFORE, A 50.59 SAFETY EVALUATION WAS PERFORMED TO DOCUMENT THIS PROPOSED ACTIVITY.

92-B-042-066-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 05/01/1992  
SUBJECT: SUPPORTS THE OPENING OF ANY SEALED INTAKE STRUCTURE PENETRATION  
OTHER REF: STAND-ALONE  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS EVALUATION SUPPORTS THE OPENING OF ANY SEALED INTAKE STRUCTURE PENETRATION ( I. E. REMOVAL OF BLIND FLANGES, MANWAYS, PUMPS). THE ONLY EXCEPTION TO THIS ARE THOSE PENETRATIONS COVERED BY TECHNICAL SPECIFICATIONS.

THIS ACTIVITY REQUIRES A PROCEDURAL CHANGE TO ERPIP 3.0, PAGE 8, THE SHIFT SUPERVISOR'S ACTIONS FOR SEVERE WEATHER CONDITIONS. THE PROPOSED CHANGE WILL INCLUDE A STATEMENT THAT REQUIRES THAT ALL MAINTENANCE MANWAYS AND PENETRATIONS BE CLOSED WHEN THERE IS A HURRICANE / TORNADOES WATCH, OR PREDICTED SUSTAINED WINDS GREATER THAN 35 MPH. ANY OTHER PROCEDURE ACCEPTABLE TO OPERATIONS AND PLANT ENGINEERING MAY BE USED AS LONG AS IT



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0      DOES NOT AFFECT THE INTENT OF THE REQUIREMENTS.

92-B-043-141-R01

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: DRAIN LINE IN CONDENSATE AIR REMOVAL SYSTEM DISCHARGE HEADER.

OTHER REF: TAN2-92-036      TAN1-92-102

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS SAFETY EVALUATION SUPPORTS TEMP ALTERATIONS 1 92 107 AND 2 92 36. THE TEMP ALTERATIONS INSTALL A DRAIN LINE IN THE CONDENSATE AIR REMOVAL SYSTEM DISCHARGE HEADER. SPECIFICALLY, THE DRAIN LINE WILL BE ATTACHED TO A PIPE NIPPLE DOWNSTREAM OF THE SYSTEM RADIATION MONITOR. THE TEMPORARY DRAIN LINE WHICH CONTAINS A LOOP SEAL, WILL BE DIRECTED TO THE AUXILIARY BUILDING GRAVITY DRAIN SYSTEM.

92-B-045-183-R00

38

RECORD TYPE: 50.59

RECORD DATE: 12/21/1992

SUBJECT: 3/4" DRAIN LINE ASSEMBLY

OTHER REF:

CNTL REF: 92-045-009-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

MCR PROPOSES TO INSTALL A 3/4" DRAIN LINE ASSEMBLY BETWEEN THE STEAM GENERATOR FEED PUMP DISCHARGE CHECK VALVE AND ISOLATION VALVE FOR BOTH UNITS FEEDWATER SYSTEM. THIS MODIFICATION WILL PROVIDE A MEANS OF PREVENTING THE POTENTIAL FOR ELEVATED PRESSURES WITHIN THIS SECTION OF PIPING WHEN A SGFP IS ISOLATED FROM THE OPERATING PARALLEL PUMP. THIS MODIFICATION IS REQUIRED BASED ON THE SIMILAR FEEDWATER SYSTEM PIPING CONFIGURATION TO THAT OF PALO VERDE.

92-B-048-036-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: MODIFIES THE ENGINEERED SAFETY FEATURES ACTUATION SYSTEM

OTHER REF:

CNTL REF: 87-0087-02

87-0087

87-0087-00

ASSOC REC:

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TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY MODIFIES THE ENGINEERED SAFETY FEATURES ACTUATION SYSTEM (ESFAS) FOR BOTH UNITS. THERE ARE THREE SEPARATE CHANGES BEING MADE. QUANTITIES STATED BELOW ARE FOR ONE UNIT. SUPPLEMENTS 0 AND 2 ARE FOR UNIT 2 AND SUPPLEMENTS 1 AND 3 ARE FOR UNIT 1. THIS EVALUATION IS FOR BOTH UNITS.

THE FIRST MODIFICATION IS TO INSTALL THE CAPABILITY TO PLACE A SENSOR CHANNEL IN "BYPASS". EACH SENSOR CABINET Z D, Z E, Z F, AND Z G WILL HAVE A NEW PANEL INSTALLED ON THE LOWER FRONT OF THE CABINET. EACH PANEL WILL HAVE 20 KEYLOCK SWITCHES WITH AN INDICATING LIGHT FOR EACH SWITCH. THESE SWITCHES WILL BE WIRED TO THE INDIVIDUAL SENSOR MODULES (BISTABLES) AND TO A NEW MAINTENANCE BYPASS MODULE TO BE INSTALLED IN EACH SENSOR CABINET. CABLES WILL BE INSTALLED BETWEEN EACH SENSOR CABINET AND ANNUNCIATOR CABINETS TO PROVIDE AN ALARM ON PANEL C 08 IN THE CONTROL ROOM WHEN A KEYLOCK SWITCH IS PLACED IN THE BYPASS POSITION. THERE IS NO RE FLASH ON THE ANNUNCIATOR SECTION IF MORE THAN ONE SWITCH IS PLACED IN BYPASS AT A TIME.

THE SECOND MODIFICATION INVOLVES THE REPLACEMENT OF TWENTY ISOLATION MODULES. THESE MODULES ARE ESSENTIALLY THE SAME DESIGN (SOME SUBCOMPONENTS MAY DIFFER SLIGHTLY BECAUSE OF IMPROVEMENTS OR CHANGES IN SUPPLIERS TO VITRO) AS THE PRESENT MODULES EXCEPT THAT COMPONENTS HAVE BEEN ADDED TO DETECT AND INDICATE LOCALLY THE PRE PRESENCE OF A FAULTY ISOLATOR.

THE THIRD MODIFICATION REPLACES THE FIVE POWER SUPPLY DRAWERS IN THE A L AND B L LOGIC CABINETS WITH TWO POWER SUPPLY ASSEMBLIES. ONE ASSEMBLY CONTAINS ONE 28 VDC POWER SUPPLY WITH TWO RELAYS AND THE SECOND ASSEMBLY CONTAINS TWO 15 VDC POWER SUPPLIES.

THESE MODIFICATION MAY BE INSTALLED INDEPENDENTLY OF EACH OTHER OR IN COMBINATIONS. EACH MODIFICATION SHALL BE COMPLETELY INSTALLED AND TESTED BY CHANNEL. THIS EVALUATION DOES NOT ENCOMPASS A PARTIAL INSTALLATION IN A CHANNEL.

92-B-048-044-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: SHORT THE PRESSURE SIGNALS TO THE HIGH BISTABLES OF THE CONTAINMENT  
          SPRAY ACTUATION SYSTEM

OTHER REF:

CNTL REF:

ASSOC REC:

CONTROL DATE: 12/10/1993  
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RECORD ID      REV      REC STATUS      COMMENTS  
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TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

TEMPORARY ALTERATIONS 2 92 009 AND 1 92 052 SHORT THE PRESSURE (CURRENT) SIGNALS TO THE HIGH BISTABLES OF THE CONTAINMENT SPRAY ACTUATION SYSTEM (CSAS) AND THE CONTAINMENT ISOLATION SIGNAL (CIS) PORTIONS OF THE ENGINEERED SAFETY FEATURES ACTUATION SYSTEMS. THIS 50.59 EVALUATION ACCOMPANIES THESE TEMPORARY ALTERATIONS.

92-B-048-044-R01

38

RECORD TYPE: 50.59

RECORD DATE: 04/08/1992

SUBJECT: SHORT THE PRESSURE SIGNALS TO THE HIGH BISTABLES OF THE CONTAINMENT SPRAY ACTUATION SYSTEM

OTHER REF:

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

TEMPORARY ALTERATIONS 2 92 009 AND 1 92 052 SHORT THE PRESSURE (CURRENT) SIGNALS TO THE HIGH BISTABLES OF THE CONTAINMENT SPRAY ACTUATION SYSTEM (CSAS) AND THE CONTAINMENT ISOLATION SIGNAL (CIS) PORTIONS OF THE ENGINEERED SAFETY FEATURES ACTUATION SYSTEMS. THIS 50.59 EVALUATION ACCOMPANIES THESE TEMPORARY ALTERATIONS.

92-B-050-002-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: SOLID WASTE CONTROL PANEL

OTHER REF:

CNTL REF: 89-0192-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

REPLACE THE SOLID WASTE CONTROL PANEL. REVISE P8ID FSAR FIGURE 11 1B, BG&E DRAWING 60 260 SHEET 3 OF 5, TO REFLECT THE NEW SYSTEM CONDITION AND AS-BUILT CONDITION. THE SOLID WASTE SYSTEM WILL BE MODIFIED TO ALLOW DEWATERING OF THE SPENT RESIN METERING TANK AND WILL USE 0 LIS 7200 ADDED BY FCR 90 - 89 TO CLOSE THE RESIN INLET ON HIGH SRMT LEVEL.

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92-B-050-030-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: REMOVE THREE DRY CLEANING MACHINES EXHAUST HOOD

OTHER REF: NCR#11506

CNTL REF: 91-050-004-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY REMOVES THREE DRY CLEANING MACHINES (1A, 1B, AND 1C), EXHAUST HOOD NUMBER 1, ASSOCIATED DISCONNECT SWITCHES, RACEWAY AND CABLES FROM THE MATERIALS PROCESSING FACILITY. THE NON CLASS 1E POWER SUPPLY TO THE DRY CLEANING MACHINES, EXHAUST HOOD AND ASSOCIATED EQUIPMENT WILL BE DISCONNECTED AND SPARED. A NEW RETURN REGISTER WILL BE INSTALLED TO REPLACE THE EXHAUST HOOD. A NEW DUCT COLLAR WILL BE PROVIDED FOR THE REGISTER. THE BREAKERS LOCATED IN LIGHTING PANELS P 6 (RIGHT) AND P 5 WILL BE SPARED. THE EXHAUST HOOD NUMBER 1 AND THREE DRY CLEANING MACHINES WILL BE DISCONNECTED AND SALVAGED.

92-B-050-030-R01

38

RECORD TYPE: 50.59

RECORD DATE: 12/14/1992

SUBJECT: DRY CLEANING MACHINES

OTHER REF:

CNTL REF: 91-050-004-01

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY: REMOVES THREE DRY CLEANING MACHINES (1A, 1B, AND 1C) AND EXHAUST HOOD #1, AND SPARES IN PLACE ASSOCIATED DISCONNECT SWITCHES, RACEWAY AND CABLES IN THE MATERIALS PROCESSING FACILITY. THE NON CLASS 1E POWER SUPPLY TO THE DRY CLEANING MACHINES, EXHAUST HOOD AND ASSOCIATED EQUIPMENT WILL BE DISCONNECTED AND SPARED IN PLACE. A NEW RETURN REGISTER WILL BE INSTALLED TO REPLACE THE EXHAUST HOOD. A NEW DUCT COLLAR WILL BE PROVIDED FOR THE REGISTER. THE BREAKERS LOCATED IN LIGHTING PANELS P 6 (RIGHT) AND P 5 WILL BE SPARED. THE EXHAUST HOOD #1 AND THREE DRY CLEANING MACHINES WILL BE DISCONNECTED AND SALVAGED.

92-B-052-003-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: REPLACE OBSOLETE LEVEL TRANSMITTERS

OTHER REF:

CNTL REF: 89-0167-01

89-0167-00

89-0167

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

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RECORD ID      REV      REC STATUS      COMMENTS  
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ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

REPLACE OBSOLETE LEVEL TRANSMITTERS FOR RWT NARROW RANGE (NR) LEVEL (1/2-LT-4142). THE REPLACEMENT LEVEL TRANSMITTERS ALLOW FOR SUFFICIENT ZERO SUPPRESSION TO RESULT IN THE REMOVAL OF THE SIGNAL CONDITIONS 1/2 L Y 4142. THIS ACTIVITY ALSO INCLUDES CHANGING THE NR SPAN FROM 24 INCHES TO 35 INCHES. THE NEW NR LEVEL INDICATING RANGE IN THE CONTROL ROOM (CR) WILL BE FROM 438 INCHES TO 473 INCHES.

92-B-052-059-R01

38

RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT: ESFAS SIGNAL, HEADER ISOLATION VALVES  
OTHER REF:  
CNTL REF: 91-052-036-01  
ASSOC REC:  
TEXT: TEXT TYPE:  
ACTIVITY:

MCR REMOVES THE ESFAS OPEN SIGNAL AND THE CLOSE PERMISSIVE SIGNAL FOR VALVES, THE AUXILIARY HPSI HEADER ISOLATION VALVES. THESE VALVES ARE LOCKED OPEN AND NO LONGER REQUIRE AN ESFAS SIAS SIGNAL TO OPEN OR A PERMISSIVE SIGNAL TO CLOSE. THE REMOVAL OF THE ESFAS SIAS LOGIC SIGNAL FROM THESE VALVES ELIMINATES THE REQUIREMENT FOR VALVE RESPONSE TIME TESTING REQUIRED BY TECH SPEC, BUT NOT THE TESTING REQUIRED BY THE ASME SECTION 4 PROGRAM.

92-B-052-160-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 11/16/1992  
SUBJECT: CONFLICT WITH UFSAR AND TECH SPEC  
OTHER REF: IR0-000-263  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:  
ACTIVITY:

THE ISSUE REPORT REFERS TO UFSAR TABLE 14.1 - 4 "SAFETY ANALYSIS FOR ESFAS", CONCERNING THE RESPONSE TIME FOR THE SAFETY INJECTION ACTUATION SIGNAL LOW PRESSURIZER PRESSURE AS POINT 9 SECONDS. TECH SPECIFICATIONS TABLE 3.3 - 5 STATES PRESSURIZER PRESSURE - LOW SAFETY INJECTION RESPONSE TIME IS LESS THAN OR EQUAL TO 30 SECONDS WHEN DIESEL GENERATOR STARTING AND SEQUENCE LOADING DELAYS ARE AND ARE NOT INCLUDED. THIS ANALYSIS ADDRESSES WHICH OF THESE TWO CASES IS CORRECT.



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92-B-059-021-R00

38

RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT: CONTAINMENT PRESSURE INSTRUMENT LINES.  
OTHER REF:  
CNTL REF: 92-0206  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS MODIFICATION DEALS WITH THE CONTAINMENT PRESSURE INSTRUMENT LINES. THE CONTAINMENT PRESSURE INSTRUMENTS ARE USED TO SENSE CONTAINMENT ATMOSPHERIC PRESSURE AND SEND A SIGNAL TO THE CONTROL ROOM INDICATORS, TO THE REACTOR PROTECTION SYSTEM AND TO THE ENGINEERING SAFETY FEATURES ACTUATION SYSTEM. FOUR PRESSURE SENSING LINES ARE USED TO SEND THE CONTAINMENT PRESSURE TO TRANSMITTERS LOCATED OUTSIDE THE CONTAINMENT. TWO LINES PENETRATE THE EAST ELECTRICAL PENETRATION ROOM AND TWO LINES PENETRATE THE WEST ELECTRICAL PENETRATION ROOM.

92-B-059-063-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 05/06/1992  
SUBJECT: EACH DOOR OF CONTAINMENT EQUIPMENT AND PERSONNEL OPENINGS HAS DOUBLE COMPRESSION SEALS  
OTHER REF: NCR11954  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

EACH DOOR OF THE CONTAINMENT EQUIPMENT AND PERSONNEL OPENINGS HAS DOUBLE COMPRESSION SEALS WITH A LOCAL TEST CONNECTION WHICH IS USED FOR TESTING SEAL LEAKAGE. FCR 91 257 ALONG WITH THIS 50.59 SAFETY EVALUATION DELETE AN INCORRECT UFSAR SENTENCE IN SECTION 6.6.2 WHICH STATES THAT THE SPACE BETWEEN DOUBLE SEALS IS CONNECTED TO THE PENETRATION ROOM.

IN ADDITION TO A WALKDOWN, A REVIEW OF REFERENCES 1 THRU 10 OF THE FCR YIELDED NO DOCUMENTATION TO SUPPORT THE EXISTENCE OF A CONNECTION BETWEEN THE DOUBLE SEALS AND THE PENETRATION ROOM.

92-B-060-139-R00

38

RECORD TYPE: 50.59

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

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RECORD DATE: 11/23/1992  
SUBJECT: RETIRE THE THERMISTOR TEMPERATURE ELEMENTS  
OTHER REF:  
CNTL REF: 92-060-016-00  
ASSOC REC:  
TEXT: TEXT TYPE:  
ACTIVITY:

THE PURPOSE OF THIS ACTIVITY IS TO RETIRE THE THERMISTOR TEMPERATURE ELEMENTS (LOCATED IN CONTAINMENT FILTER BEDS) OF THE CONTAINMENT IODINE REMOVAL SYSTEM'S CHARCOAL FILTERS. THESE THERMISTORS PROVIDE AN INPUT TO THE APPROPRIATE UNIT'S RECORDER PANEL. THIS INDICATION WAS USED TO ALLOW THE OPERATOR TO MANUALLY INITIATE THE DOUSING SYSTEM UPON HIGH TEMPERATURE; HOWEVER, THE DOUSING SYSTEM HAS BEEN DETERMINED UNNECESSARY AND IS NOW ISOLATED. THEREFORE, THE THERMISTORS PROVIDE AN UNNECESSARY INDICATION TO THE CONTROL ROOM OPERATORS AND MAY BE RETIRED.

92-B-061-122-R00

38

RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT: MAKES CORRECTIONS TO A TABLE IN THE UFSAR  
OTHER REF:  
CNTL REF: 92-061-003-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY MAKES CORRECTIONS TO TABLE 6.6 FOR THE UFSAR. CURRENTLY, THE DESIGN SUCTION PRESSURE OF THE CONTAINMENT SPRAY PUMPS IS LISTED AS 60 PSIG. THIS IS TO BE CHANGED TO AGREE WITH THE PRESSURE RATING IN M - 600 (BG&E DRAWING 92-769) WHICH SHOWS THAT THE DESIGN PRESSURE OF THIS PIPING IS 60 PSIG FROM THE SUCTION SOURCE ISOLATION MOV'S (MOV'S 4142, 4143 FROM THE RWT AND MOV'S 4143, 4144 FROM THE SUMP), AND IS 200 PSIG FROM THE SOURCE ISOLATION MOV'S TO THE PUMP SUCTION.

92-B-064A-067-R00

38

RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT: EVALUATES A CHANGE TO THE UFSAR TO INCORPORATE A DESCRIPTION OF THE RCS VENTS  
OTHER REF:  
CNTL REF: 88-0072  
ASSOC REC:

CONTROL DATE: 12/10/1993  
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TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS FCR EVALUATES A CHANGE TO THE UFSAR TO INCORPORATE A DESCRIPTION OF THE REACTOR COOLANT SYSTEM (RCS) VENTS REQUIRED BY THE THI ACTION PLAN NUREG 0737, ITEM II B 1. THE ORIGINAL PLANT MODIFICATION TO INCORPORATE THE VENTS WAS DONE UNDER FCR 79 1054.

THE DESCRIPTIVE MATERIAL TO BE ADDED TO THE UFSAR IS BASED ON THE EXISTING PLANT DESIGN AND THE REQUIREMENTS OF NUREG 0737. THE INTENT OF THE VENT SYSTEM IS DESCRIBED IN ENCLOSURE 3 TO NUREG 0737, CLARIFICATION OF THI ACTION PLAN REQUIREMENTS, AS FOLLOWS:

"THE IMPORTANT SAFETY FUNCTION ENHANCED BY THE RCS VENTING CAPABILITY IS CORE COOLING. FOR EVENTS BEYOND THE PRESENT DESIGN BASIS, THIS CAPABILITY INCREASES THE PLANT'S ABILITY TO DEAL WITH THE LARGE QUANTITIES OF NONCONDENSIBLE GAS WHICH COULD INTERFERE WITH CORE COOLING DURING NATURAL CIRCULATION".

92-B-064A-117-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: MODIFY THE U1 AND 2 REACTOR COOLANT SYSTEM POWER OPERATED RELIEF VALVE

OTHER REF:

CNTL REF: 92-064-019-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY WILL MODIFY THE UNIT 1 AND 2 REACTOR COOLANT SYSTEM POWER - OPERATED RELIEF VALVE BLOCK VALVE CIRCUITS TO PROVIDE ENHANCED SYSTEM ANNUNCIATION BY UTILIZING EXISTING AUXILIARY RELAY CONTACTS. THE ENABLE MPT PROTECTION ANNUNCIATOR CIRCUIT WILL BE REVISED TO INITIATE AN ALARM WHENEVER THE POWER OPERATED RELIEF VALVE BLOCK VALVE IS NOT FULLY OPEN. THE ENABLE MPT PROTECTION ALARM WINDOWS ARE LOCATED ON PANELS 1 C 06 AND 2 C 06. THIS CHANGE WILL ENABLE THE MINIMUM PRESSURIZATION TEMPERATURE (MPT) PROTECTION ALARM TO INITIATE WHEN THE POWER OPERATED RELIEF VALVES BLOCK VALVES 1 (2) MOV 403 AND 1 (2) MOV 405 ARE OFF OF THEIR FULLY OPEN POSITION.

92-B-067-065-R00

38

RECORD TYPE: 50.59

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SUBJECT: DELETE AN INCORRECT UFSAR SENTENCE  
OTHER REF:  
CNTL REF: 89-0001-0293-01      89-0001  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

MCR 89 01 293 01 ALONG WITH THIS 50.59 SAFETY EVALUATION DELETE AN INCORRECT  
USFAR SENTENCE IN TABLE 9 16 WHICH STATES THAT THE MICRON RATING OF THIS  
FILTER SHALL BE RESTRICTED TO .45 MICRONS.

92-B-067-146-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 11/04/1992  
SUBJECT: CORRECTIONS TO THE UFSAR  
OTHER REF:  
CNTL REF: 91-067-007-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY MAKES CORRECTIONS TO TABLE 9 - 16 OF THE UFSAR. CURRENTLY THE  
DESIGN RELIEF PRESSURE OF THE SPENT FUEL POOL COOLER, BOTH SHELL AND TUBE  
SIDE ARE LISTED AS 165 PSIG. THIS IS TO BE CHANGED TO AGREE WITH THE RELIEF  
PRESSURE SETTING LISTED IN THE SETPOINT LOG AND THE PRESSURE RATING IN  
M-601. THE DATE OF THESE CHANGES IS CONTAINED IN THE SHORT  
DESIGN INPUT REVIEW OF THE MCR.

92-B-068-112-R00

38

RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT: ALLOWS THE USE OF A COVER OVER THE SPENT FUEL POOLS  
OTHER REF:  
CNTL REF: 92-068-003-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY ALLOWS THE USE OF A COVER OVER THE SPENT FUEL POOLS (SFP)  
TO MINIMIZE DEBRIS INTRUSION INTO THE SFP.

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92-B-069-008-R00

38

RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT: ADDITION OF VACUUM BREAKER VALVES TO THE ATMOSPHERIC VENT LINES  
OTHER REF:  
CNTL REF: 91-069-005-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS MM PROVIDES THE ENGINEERING FOR THE ADDITION OF VACUUM BREAKER VALVES TO THE ATMOSPHERIC VENT LINES LOCATED ON TOP OF THE NUMBER 11 AND 12 REACTOR COOLANT WASTE RECEIVER TANKS. PER THE Q LIST THE SUBJECT TANKS ARE CLASSIFIED AS NON SAFETY RELATED (NSR). THE SUBJECT TANKS ARE SHOWN ON UFSAR FIGURE 11 1B.

92-B-069-009-R00

38

RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT: ADDITION OF VACUUM BREAKER VALVE IN THE ATMOSPHERIC VENT LINE  
OTHER REF:  
CNTL REF: 91-069-005-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS MINOR MODIFICATION PROVIDES THE ENGINEERING FOR THE ADDITION OF VACUUM BREAKER VALVE IN THE ATMOSPHERIC VENT LINE LOCATED ON TOP OF THE NO. 11 AND 12 REACTOR COOLANT WASTE MONITORING TANKS. PER THE Q-LIST, THE SUBJECT TANKS ARE CLASSIFIED AN NON SAFETY RELATED (NSR). THE SUBJECT TANKS ARE SHOWN ON THE UFSAR FIGURE 11 1B.

92-B-069-148-R00

39

RECORD TYPE: 50.59  
RECORD DATE: 10/22/1992  
SUBJECT: CONNECTION VALVES  
OTHER REF:  
CNTL REF: 92-069-001-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

REMOVE FOUR 3/4" VENT, DRAIN, AND TEST CONNECTION VALVES THAT ARE INSTALLED



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ON PIPING THAT IS TEE CONNECTED FROM LINE 2 HC 10 1018 THAT TRANSPORTS WASTE GAS FROM THE RC DRAIN TANK TO THE WASTE GAS SURGE TANK. THE VALVES ARE TO BE REMOVED AND THE LINES WELD CAPPED.

92-B-069-180-R00

38

RECORD TYPE: 50.59

RECORD DATE: 12/16/1992

SUBJECT: TEMPORARY INSTALLATION OF A 3/4" RUBBER HOSE AND CHECK VALVES

OTHER REF: TAMI-92-120

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

TEMPORARY ALTERATION ALLOWS THE TEMPORARY INSTALLATION OF A 3/4" RUBBER HOSE AND CHECK VALVE BETWEEN THE DEGASIFIER VACUUM PUMP ACCUMULATORS OF THE REACTOR COOLANT WASTE PROCESSING SYSTEM AND A SUPPLY HEADER OF THE DEMINERALIZED WATER SYSTEM. APPLICABLE TO BOTH UNITS.

92-B-070-018-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: DETERMINE THE MINIMUM CODE ALLOWABLE THICKNESS OF THE FUEL TRANSFER TUBE SLIP ON FLANGE AND THE SLIP ON FLANGE FACE FILLET WELD.

OTHER REF:

CNTL REF: 91-070-002-01

ASSOC REC: 91-B-070-079-R00

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

ICR DETERMINED THE MINIMUM CODE ALLOWABLE THICKNESS FOR FUEL TRANSFER TUBE SLIP ON FLANGE AND THE SLIP ON FLANGE FACE FILLET WELD. THIS INFORMATION WILL BE USED TO LIMIT THE AMOUNT OF METAL THAT CAN BE REMOVED FROM THE SLIP ON FLANGE FACE, AND THE SLIP ON FLANGE FACE FILLET WELD. METAL WILL BE MACHINED OFF THE SLIP ON FLANGE AND POTENTIALLY THE FLANGE FACE FILLET WELD TO FACILITATE A PROPER SEAL BETWEEN THE SLIP ON FLANGE AND THE BLIND FLANGE.

92-B-070-060-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: MODIFY THE HOIST ASSEMBLY USED FOR REMOVING THE BLIND FLANGE ON THE REFUELING TRANSFER TUBE

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

NORMS RECORDS MANAGEMENT SYSTEM  
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0			OTHER REF: CNTL REF: 91-070-002-02 ASSOC REC: 92-B-070-018-R00 91-B-070-079-R00 TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY WILL MODIFY THE HOIST ASSEMBLY USED FOR REMOVING THE BLIND FLANGE ON THE REFUELING CANAL SIDE OF THE REFUELING TRANSFER TUBE BY PERMITTING THE USE OF HOISTS WITH LIFTING CAPACITIES OF 3.3 KIPS OR GREATER. THE MAXIMUM CAPACITY OF THE EXISTING 2 INCH SUPER TRACK BEAM AND ITS CONNECTIONS WAS EVALUATED AND WILL BE IDENTIFIED IN UFSAR FIGURE 9 - 14. THE COMBINED LOADS EVALUATED FOR THE SUPER TRACK AND ITS CONNECTIONS INCLUDE THE BLIND FLANGE AND THE HOIST ASSEMBLY. THESE LOADS WILL NOT EXCEED 3.65 KIPS. ALSO, THE NAME OF THE HOIST ASSEMBLY MANUFACTURER WILL BE DELETED FROM UFSAR FIGURE 9 - 14.

92-B-070-109-R00 38  
RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT: MODIFY THE STORAGE RACK FOR THE BLIND FLANGE ON THE REFUELING CANAL SIDE OF THE REFUELING TRANSFER TUBE  
OTHER REF:  
CNTL REF: 92-070-002-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY WILL MODIFY THE STORAGE RACK FOR THE BLIND FLANGE ON THE REFUELING CANAL SIDE OF THE REFUELING TRANSFER TUBE BY PERMITTING THE USE OF BOLTS TO SECURE THE 3" REPLACEMENT FLANGE TO THE EXTERIOR OF THE EXISTING RACK. THE EXISTING RACK, WHICH CONSISTS OF TWO 16" HIGH, 3/4" THICK PARALLEL STAINLESS STEEL PLATES WITH APPROXIMATELY A 2 1/2" GAP, PREVENTS FLANGE MOVEMENT BY BOLTING THE FLANGE BETWEEN THE TWO PLATES. BG&E CALCULATION C 92 154 (BECHTEL CALCULATION C 3358. 0) EVALUATED THE MODIFIED STORAGE RACK AND BOLTS WHICH WOULD BE USED TO FASTEN THE REPLACEMENT FLANGE DURING REFUELING AND WERE DETERMINED TO BE SEISMICALLY AND STRUCTURALLY ADEQUATE. IN ORDER TO PREVENT DAMAGE TO THE LIFTING LUG USED TO CONNECT THE HOIST ASSEMBLY TO THE FLANGE, MAXIMUM PERMITTED SWING ANGLE OF 10 DEGREES FROM VERTICAL WOULD NOT BE EXCEEDED WHILE PLACING THE FLANGE INTO THE RACK.

92-B-070-118-R00 38  
RECORD TYPE: 50.59  
RECORD DATE:

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

NORMS RECORDS MANAGEMENT SYSTEM  
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RECORD ID      REV      REC STATUS      COMMENTS

u      SUBJECT: INSTALLS A 1/2" THREADED PLUG ON THE LLRT TEST CONNECTION TO THE FUEL  
TRANSFER TUBE BLIND FLANGE

OTHER REF:  
CNTL REF: 91-070-002-03  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY INSTALLS A 1/2" THREADED PLUG ON THE LLRT TEST CONNECTION TO  
THE FUEL TRANSFER TUBE BLIND FLANGE. IN ORDER TO ENSURE THAT THE PRESSURE  
BOUNDARY AND CONSEQUENTLY CONTAINMENT INTEGRITY IS MAINTAINED.

92-B-071-116-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 10/21/1992  
SUBJECT: CORRECTIONS TO THE UFSAR  
OTHER REF:  
CNTL REF: 91-071-005-00  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

THIS EVALUATION SUPPORTS MCR IN MAKING CORRECTIONS TO SECTION  
11 1 2 1 2 OF THE UFSAR TO PROPERLY REFLECT THE CURRENT METHOD OF OPERATION  
OF THE REACTOR COOLANT WASTE PROCESSING SYSTEM.

92-B-076-034-R01

39

RECORD TYPE: 50.59  
RECORD DATE: 09/08/1993  
SUBJECT: DOCUMENTATION FOR ACCEPTABILITY OF THE OPERATION OF THE MAIN VENT  
RADIATION MONITOR SYSTEM  
OTHER REF:  
CNTL REF: 90-0130  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS EVALUATION PROVIDES THE DOCUMENTATION FOR THE ACCEPTABILITY OF THE  
OPERATION OF THE MAIN VENT RADIATION MONITOR SYSTEM. THE NON SAFETY RELATED  
SYSTEM ON PER PLANT VENT SAMPLES THE PLANT VENT DISCHARGE BY  
CONTINUOUSLY DRAWING A REPRESENTATIVE SAMPLE THROUGH ISOKINETIC NOZZLES  
USING THE 10 CFM MAIN VENT RADIATION MONITOR PUMPS (#11 AND #12  
RESPECTIVELY). THREE PATHS ARE UTILIZED TO PROVIDE SAMPLES OF THE PLANT

CONTROL DATE: 12/10/1993  
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EXHAUST FOR ANALYSIS OF NOBLE GAS, TRITIUM, PARTICULATE AND IODINE EFFLUENTS.

92-B-076-119-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: PROVIDES A CONFIGURATION UPDATE OF THE INSTALLED CONDENSATE THE  
FEEDWATER DISCHARGE HEADERS SODIUM ANALYZERS SUPPLY TUBING

OTHER REF: RDCH1R92000598

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

ACTIVITY:

THIS NON SAFETY RELATED (NSR) RDC PROVIDES A CONFIGURATION UPDATE OF THE  
INSTALLED CONDENSATE AND FEEDWATER DISCHARGE HEADERS SODIUM ANALYZERS  
SUPPLY TUBING. THE SODIUM ANALYZERS (LOCATED IN THE RESPECTIVE TURBINE  
PLANT AUXILIARY SAMPLE CABINET) HAVE RECENTLY BEEN CHANGED FROM CALGON  
CHEMONITOR MODEL 2000 ANALYZERS TO SWAN MODEL 2114 ANALYZERS PER  
MCR 90 076 005 00. THESE SODIUM ANALYZERS AND THEIR TUBING ARE SHOWN  
ON UFSAR FIGURE 9 11 (M 67, SH. 1, 60 250). FOR THIS REASON, A SAFETY  
EVALUATION HAS BEEN GENERATED. A MARKED UP DRAWING IS ATTACHED TO ILLUSTRATE  
THE COMPLETE.

92-B-079-012-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: REVISE THE UFSAR

OTHER REF:

CNTL REF: 91-0288-00

91-0288

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

REVISE THE UFSAR, SECTIONS 11 2 3 2 2, 11 2 3 2 3, AND 11 2 3 2 5 AS SHOWN  
IN THE ATTACHED UFSAR CHANGE. THIS ACTIVITY DOES NOT REQUIRE ANY FIELD  
WORK.

92-B-079-076-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: REMOVES RMS FLOW FROM THEIR CURRENT LOCATION

OTHER REF:

CNTL REF: 91-079-008-00

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

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ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY RE MOUNTS 1 FIS 5415 AND 2 FIS 5415 FROM THEIR CURRENT LOCATION ON THE MAIN VENT RMS SKID TO A LOCATION OFF THE SKID. IT ALSO ADDS FLEX HOSE TO AND FROM THE SWITCH TO CONNECT THE SWITCH TO THE PUMP. THE VIBRATION OF THE SKIDS CAUSE THE FLOW SWITCH TO OPEN AND INDICATE FALSE LOW FLOW ALARM. MOVING THE FLOW SWITCHES TO A MOUNT OFF THE SKID WILL PREVENT FALSE ALARMS DUE TO VIBRATION OF THE SKID.

92-B-083-013-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: INSTALLATION OF AN AUTOMATIC SIGNAL TO SHUT THE U1 AND U2 STEAM GENERATOR TOP AND BOTTOM BLOWDOWN CONTAINMENT ISOLATION VALVES

OTHER REF:

CNTL REF: 91-0223-01

91-0223

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THE SUBJECT MODIFICATION AUTHORIZES THE INSTALLATION OF AN AUTOMATIC SIGNAL TO SHUT THE UNIT 1 AND UNIT 2 STEAM GENERATOR TOP AND BOTTOM BLOWDOWN CONTAINMENT ISOLATION VALVES UPON RECEIPT OF A CONTAINMENT SPRAY ACTUATION SIGNAL FROM THE ENGINEERED SAFETY FEATURES ACTUATION SYSTEM. THIS MODIFICATION SUPERCEDES FCR 91 233 SUPPLEMENT 0 WHICH WAS TO HAVE USED A SIAS SIGNAL TO ACTUATE THESE VALVES.

92-B-083-033-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: NO DESTRUCTIVE EXAMINATION REQUIREMENTS FOR BUTT WELDS

OTHER REF:

CNTL REF: 92-190-004-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THE ACTIVITY COVERED BY THIS EVALUATION APPLIES TO UNITS 1 AND 2. THIS ACTIVITY ESTABLISHES THE NON DESTRUCTIVE EXAMINATION (NDE) REQUIREMENTS FOR BUTT WELDS IN THOSE PORTIONS OF CLASS EB PIPING BUILT TO ANSI B 31.1 & OUTSIDE OF THE ASME SECTION XI ISI BOUNDARY. A NOTE FOR EB PIPING



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CONTROL TIME: 08:58

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DRAWING M-600 (BG&E DRAWING NUMBER 92 767) STATES THAT THE TEST  
AND EXAMINATION REQUIREMENTS WILL BE IN ACCORDANCE WITH DRAWING  
6750 SK M 538. THIS NOTE WILL BE MODIFIED BY ADDING THE REVISED NDE  
REQUIREMENTS FOR BUTT WELDS AS ESTABLISHED BY MCR 92 190 004 00.

92-B-083-170-R00

38

RECORD TYPE: 50.59

RECORD DATE: 11/30/1992

SUBJECT: LP STEAM DUMP TO TURBINE BUILDING

OTHER REF:

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

PROVIDE AN EVALUATION TO ACCESS THE IMPACT OF AUGMENTED PLT COOLDOWN USING  
TURBINE BYPASS VALVES DURING A LOSS OF OFFSITE POWER AS DESCRIBED IN AGP 3F,  
IN ORDER TO MEET THE TIME REQUIREMENTS FO TECH SPECS 3 8 2 1, LCO FOR ONSITE  
POWER DISTRIBUTION SYSTEMS.

92-B-099-042-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: ATTACH A TEMP 2 TON ELECTRIC HOIST

OTHER REF: TA#1-92-046

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY PROPOSES TO ATTACH A TEMPORARY 2 TON ELECTRIC HOIST USING  
A BEAM CLAMP TO THE AUXILIARY BUILDING CASK HANDLING CRANE. THE 480V 3 PHASE  
POWER SOURCE FOR THE 2 HP HOIST MOTOR WILL BE OBTAINED FROM THE 15 AMP BRANCH  
CIRCUIT SUPPLYING THE MAIN HOIST BLOWER MOTOR.

92-B-099-140-R00

38

RECORD TYPE: 50.59

RECORD DATE: 10/07/1992

SUBJECT: UPGRADE THE SPENT FUEL CASK HANDLING CRANE

OTHER REF:

CNTL REF: 88-0081

ASSOC REC:

TEXT: TEXT TYPE:

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

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PROPOSED ACTIVITY:

GENERAL:

BG&E PROPOSES TO UPGRADE THE SPENT FUEL CASK HANDLING CRANE AT THE CCNPP TO SINGLE FAILURE PROOF AS DEFINED IN NUREG "SINGLE FAILURE PROOF CRANES FOR NUCLEAR POWER PLANTS". UPGRADING AN EXISTING CRANE TO SINGLE FAILURE PROOF IS ONE METHOD FOR CONTROLLING HEAVY LOADS AS PRESENTED IN NUREG 612, "CONTROL OF HEAVY LOADS IN NUCLEAR POWER PLANTS".

92-B-102-041-R00

39

RECORD TYPE: 50.59

RECORD DATE: 04/08/1992

SUBJECT: FSAR CHANGE

OTHER REF:

CNTL REF: 90-0010-05

90-0010

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

VOID 50.59 # 5904 - 4- 001 REV 2 AND ITS ASSOCIATED FSAR CHANGE. THE FSAR CHANGE ASSOCIATED WITH THIS 50.59 WAS THE ADDITION OF PARAGRAPH 8.5.5 D WHICH IS REPRODUCED BELOW.

D. FOR OTHER THAN REDUNDANT 4KV AND 480V LOAD CENTER CABLE TRAYS CONTAINING APPENDIX R CABLES; LESSER SEPARATION THAN THAT DESCRIBED IN 8.5.5 A, B AND C MAY BE ESTABLISHED BY ANALYSIS OF THE CABLE INSTALLATION. SUCH ANALYSES SHALL BE BASED ON TEST DATA AND RESULTS CONTAINED IN IEEE SAFETY COMMITTEE 6.5 "CABLE SEPARATION - WHAT DO INDUSTRY TESTING PROGRAMS SHOW?". THE DISTANCES DESCRIBED IN THIS PAPER ARE USED AS MINIMUM ACCEPTABILITY REQUIREMENTS, NOT INSTALLATION STANDARDS, AND SHALL NOT BE APPLIED TO NEW INSTALLATIONS

92-B-102-062-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: THE NS RELATED FREE FIELD SEISMIC SENSOR WILL BE RELOCATED.

OTHER REF:

CNTL REF: 89-0176

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THE NON SAFETY RELATED FREE FIELD SEISMIC SENSOR, WILL BE RELOCATED

CONTROL DATE: 12/10/1993  
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FROM COORDINATES N 11, 105 FT AND E 10, 080 FT TO THE NORTHWEST CORNER OF THE WELL WATER PRE-TREATMENT BUILDING, APPROXIMATELY 9 FT 1 1/2 INCHES EAST AND 21 FT 8 INCHES NORTH OF THE NORTHWEST CORNER OF THE BUILDING. SEISMIC SENSOR MONITORS THE FREE FIELD ACCELERATION. THE CURRENT LOCATION OF THE SEISMIC SENSOR WILL PHYSICALLY INTERFERE WITH THE NEW PERIMETER FENCE BEING INSTALLED AS PART OF THE MODIFICATION AND EXPANSION OF THE CCNPP SECURITY SYSTEM. MOUNTING WILL BE IN ACCORDANCE WITH VENDOR RECOMMENDATIONS. DURING THE RELOCATION, THE SEISMIC SENSOR WILL BE INOPERABLE FOR LESS THAN 30 DAYS AND WILL MEET THE REQUIREMENTS OF TECHNICAL SPECIFICATION 3.3.3.3. THE SEISMIC SENSOR WILL NOT BE REPLACED, IT IS NOT ORIGINAL PLANT EQUIPMENT AND WILL BE REUSED TO FUNCTION.

92-B-102-167-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: UPGRADE EXISTING SECURITY SYSTEM

OTHER REF:

CNTL REF: 89-0176-09

89-0176

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY: THE UPGRADE OF THE EXISTING SECURITY SYSTEM WHICH INCLUDES THE REPLACEMENT OF THE SOUTH PROCESSING BLDG (FORMALLY KNOWN AS THE SECURITY PROCESSING BUILDING) WITH A NEW NUCLEAR SECURITY FACILITY (NSF). THE NSF WILL HOUSE THE NEW SECURITY COMPUTER SYSTEM, VIDEO SWITCHER, SECONDARY ALARM STATION (SAS), ADMINISTRATIVE OFFICES, STAFF SUPPORT (MANAGERS OFFICES, WEIGHT ROOM, REST ROOMS), AND SECURITY SCREENING. THE CURRENT PERIMETER MICROWAVE INFRARED VIBRATION INTRUSION DETECTION SYSTEMS AND THE CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM WILL BE REPLACED WITH NEW EQUIPMENT. THE PROTECTED AREA BOUNDARY WILL BE EXPANDED AND UPGRADED. AN OFFSITE POWER SYSTEM FOR THE NEW SECURITY SYSTEM WILL BE PROVIDED AND WILL INCLUDE AND NOT INTERRUPTED POWER SOURCE (UPS) AND A STANDBY DIESEL GENERATOR. UFSAR FIGURES 1 2, 9 22 AND 9-22E WILL BE REVISED TO REFLECT CHANGES FROM THE RELOCATION OF THE PROTECTED AREA BOUNDARY, THE NSF, AND THE ADDITION OF A TIE IN LINE AND ISOLATION VALVE ON THE OUTSIDE FIRE PROTECTION SYSTEM FOR THE FUTURE PLANT OFFICE FACILITY SPRINKLER SYSTEM.

92-B-102-181-R00

38

RECORD TYPE: 50.59

RECORD DATE: 12/28/1992

SUBJECT: INSTALLS SWING GATE IN SOLID WASTE STORAGE ROOM.

OTHER REF:

CNTL REF: 91-102-030-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

NORMS RECORDS MANAGEMENT SYSTEM  
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THIS EVALUATION SUPPORTS MCR. THE MCR INSTALLS A SWING GATE WITH LOCKING CAPABILITY IN THE SOLID WASTE STORAGE ROOM AT THE 45 FOOT ELEVATION OF THE AUXILIARY BUILDING IN THE CORRIDOR NEXT TO THE RAIL CAR LOADING AREA.

92-B-167-011-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: INSTALL SR HELICAL SPACERS TO SUPPORT THE TUBE BUNDLES OF THE SHUTDOWN COOLING HEAT EXCHANGERS

OTHER REF:

CNTL REF: 91-0271-0001

91-0271-01

91-0271-00

91-0271

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY WILL INSTALL SAFETY RELATED HELICAL SPACERS TO SUPPORT THE TUBE BUNDLES OF THE SHUTDOWN COOLING HEAT EXCHANGERS (SDCHX) FOR UNITS 1 AND 2. THE SPACERS WILL MODIFY THE HEAT EXCHANGERS IN ORDER TO REDUCE FLOW INDUCED VIBRATIONS OF THE TUBE BUNDLES.

92-B-168-029-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: INSTALLATION OF DIAPHRAGM SEALS FOR PRESSURE INDICATORS

OTHER REF:

CNTL REF: 91-168-001-01

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THE PROPOSED ACTIVITY WILL APPROVE THE INSTALLATION OF DIAPHRAGM SEALS FOR PRESSURE INDICATORS. THE DIAPHRAGM SEALS WILL BE SEISMICALLY MOUNTED.

92-B-999-153-R00

38

RECORD TYPE: 50.59

RECORD DATE: 11/25/1992

SUBJECT: TELEDYNE FARRIS 1800 SERIES RELIEF VALVES

OTHER REF:

CNTL REF: 90-0109

90-0109-01

ASSOC REC:

TEXT: TEXT TYPE:

CONTROL DATE: 12/10/1993  
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PROPOSED ACTIVITY:

THE REPLACEMENT OF A NUMBER OF SR AND NSR TELEDYNE FARRIS 1800 SERIES RELIEF VALVES PRESENTLY INSTALLED. MINOR PIPING CHANGES TO ACCOMMODATE THE REPLACEMENT VALVES ARE ALSO INCLUDED. THE RELIEF VALVES WITHIN THE SCOPE OF THIS EVALUATION ARE INTENDED FOR THE PROTECTION OF PIPING AND COMPONENTS AGAINST THERMAL OVER PRESSURE IN SEVERAL SYSTEMS. THAT IS, THESE VALVES FUNCTION TO RELEASE A SMALL AMOUNT OF LIQUID FROM A CLOSED SYSTEM WHEN TEMPERATURE INCREASE OF THE SYSTEM RESULTS IN EXCESSIVE PRESSURE. THE VALVES USUALLY OPEN SLOWLY. THIS ACTIVITY INVOLVES THE REPLACEMENT OF SR RELIEF VALVES IN THE SW SYSTEM, CHEMICAL AND VOLUME CONTROL SYSTEM, SW SYSTEM, EMERGENCY DIESEL GENERATOR SYSTEM, PLANT SAMPLING SYSTEM, AND RADIOACTIVE MISCELLANEOUS WAST SAMPLING SYSTEM.

92-1-005-024-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: NS RELATED TEMP DIESEL GENERATOR WILL BROUGHT ON TO PROVIDE A STANDBY SOURCE OF POWER TO THE SR 480 V BUS

OTHER REF:

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

DURING THE UNIT ONE OUTAGE, A NON SAFETY RELATED TEMPORARY DIESEL GENERATOR (TDG) WILL BE BROUGHT ON SITE TO PROVIDE A STANDBY SOURCE OF POWER TO THE SAFETY RELATED 480V BUS 14A AND NON SAFETY RELATED POWER PANEL 1 P 74. THE TDG WILL BE CONNECTED TO 480V BUS 14A WHILE IT IS DOWN HAVING MAINTENANCE PERFORMED ON IT. THIS BUS MAINTENANCE WILL BE PERFORMED DURING MODE 5. WHILE BUS 14A IS DOWN FOR MAINTENANCE, MCC 104 R WILL BE CROSS CONNECTED TO MCC 11 4 R. THE TDG WILL ALSO SUPPLY POWER TO PANEL 1 P 74 WHICH SUPPLIES POWER TO THE ACCESS CONTROL AREA VIA 1 P 75.

92-1-005-037-R00

38

RECORD TYPE: 50.59

RECORD DATE: 03/28/1992

SUBJECT: DISCONNECT #11 CAVITY COOLING FAN MOTOR AN TEMPORARILY INSTALL A POWER PACK

OTHER REF: TAN1-92-043

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:



CONTROL DATE: 12/10/1993  
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PROPOSED ACTIVITY:

TEMP ALTERATION DISCONNECT NUMBER 11 CAVITY COOLING FAN MOTOR AND  
TEMPORARILY INSTALL A POWER PACK TO PROVIDE OUTAGE POWER. IN ADDITION,  
MOVE THE SOURCE OF POWER FOR THE NUMBER 11 CAVITY COOLING FAN FROM BUS  
11A TO BUS 12A

92-1-011-022-R01

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: SUPPORTS TEMPORARY ALTERATIONS DURING THE UNIT 1 SPRING 1992  
REFUELING OUTAGE, FOLLOWING CORE OFF LOAD.

OTHER REF: TAN1-92-012

TAN1-92-014

TAN2-92-006

TAN2-92-007

TAN1-92-006

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS EVALUATION SUPPORT INSTALLATION TEMPORARY ALTERATIONS (TA) NO.  
1 92 006, 1 92 012, 1 92 014, 2 92 006, AND 2 92 007 DURING THE UNIT 1 SPRING  
1992 REFUELING OUTAGE, FOLLOWING CORE OFF LOAD.

TA NO. 1 92 006 INSTALLS SPOOL PIECES TO ALIGN 21 SERVICE WATER (SRW) HEADER  
WITH 12 SRW HEADER IN ORDER TO SUPPLY COOLING TO 11 SPENT FUEL POOL (SFP)  
COOLER.

THE REMAINING TA (S) ARE ELECTRICAL ALTERATIONS WHICH INSTALL ELECTRICAL  
JUMPERS TO AUTOMATICALLY ISOLATE 11 SFP COOLER SRW FLOW ON A UNIT 2 CSAS  
ACUATION AND TO ALLOW RESTORING SRW FLOW TO EITHER SFP COOLER (SUBSEQUENT TO  
CSAS) AFTER THE HEAT LOAD ON THE SRW SYSTEM IS SUFFICIENTLY REDUCED.

92-1-011-022-R02

38

RECORD TYPE: 50.59

RECORD DATE: 04/29/1992

SUBJECT: SUPPORTS INSTALLATION OF TEMPORARY ALTERATIONS DURING THE UNIT 1  
SPRING 1992 REFUELING OUTAGE

OTHER REF: TAN1-92-012

TAN1-92-014

TAN2-92-006

TAN2-92-007

TAN1-92-006

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS EVALUATION SUPPORTS INSTALLATION TEMPORARY ALTERATIONS (TA) NO.  
1 92 006, 1 92 012, 1 92 014, 2 92 006 AND 2 92 007 DURING THE UNIT 1 SPRING  
1992 REFUELING OUTAGE, FOLLOWING CORE OFF LOAD.

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

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TA NO. 1 92 006 INSTALLS SPOOL PIECES TO ALIGN 21 SERVICE WATER (SRW) HEADER WITH 12 SRW HEADER IN ORDER TO SUPPLY COOLING TO 11 SPENT FUEL POOL (SFP) COOLER.

THE REMAINING TA (S) ARE ELECTRICAL ALTERATIONS WHICH INSTALL ELECTRICAL JUMPERS TO AUTOMATICALLY ISOLATE 11 SFP COOLER SRW FLOW ON A UNIT 2 SIAS ACTUATION AND TO ALLOW RESTORING SRW FLOW TO EITHER SFP COOLER (SUBSEQUENT TO SIAS) AFTER THE HEAT LOAD ON THE SRW SYSTEM IS SUFFICIENTLY REDUCED. THIS DESIGN IS CONSISTENT WITH 50.59 92 2 024 046 ROO AND TA (S) 2 92 011 AND 2 92 012 (APPROVED POSRC MEETING 92 029) WHICH FORCED ALL SEQUENCER LOADS TO OPERATE ON SIAS ON UNIT 2.

92-1-011-022-R03

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: TO EVALUATE THE AFFECTS OF THE HEAT TRANSFER CAPABILITIES OF THE SPENT FUEL POOL COOLERS WITH A FOULING FACTOR HIGHER THAN DESIGN VALUE

OTHER REF:

CNTL REF: M-92-061

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

REVISION 3: THE OBJECTIVE OF REVISION 3 TO THIS 50.59 IS TO EVALUATE THE AFFECTS OF THE HEAT TRANSFER CAPABILITIES OF THE SPENT FUEL POOL (SFP) COOLERS WITH A FOULING FACTOR HIGHER THAN THE ORIGINAL DESIGN VALUE.

BG&E CALCULATION M 92 61 REVISION 0 (REFERENCE 25), WAS WRITTEN TO EVALUATE THE HEAT TRANSFER CAPABILITIES OF THE SPENT FUEL POOL (SFP) COOLERS WITH THE ORIGINAL DESIGN VALUE FOR FOULING FACTOR. PRELIMINARY EVALUATION OF THE TEST RESULTS OF ETP 92 11 AND ETP 92 37, SFP COOLERS TESTING, INDICATE HIGHER FOULING FACTOR THAN DESIGN AS DOCUMENTED ON PDR 9 2 0 6 6. IN ANTICIPATION OF THE FINAL TEST RESULTS EVALUATION, CALCULATION H 92 61 WAS REVISED TO DETERMINE THE MOST LIMITING FOULING FACTORS BELOW WHICH WE CAN BE ASSURED THAT THE TOTAL POOL HEAT LOAD, ASSOCIATED WITH UNIT 1 FULL CORE OFF LOAD, CAN BE REMOVED WITH THE SFP COOLING SYSTEM DURING THE DUAL SALT WATER HEADER OUTAGE PERIOD.

THE MOST LIMITING FOULING RESISTANCES DETERMINED BY M 92 61 ARE MUCH HIGHER THAN THE VALUES DETERMINED BY THE PRELIMINARY EVALUATION OF THE TEST RESULTS. THEREFORE, THE SFP COOLERS TEST RESULTS WILL NOT HAVE ANY SIGNIFICANT IMPACT ON THE SFP COOLERS HEAT TRANSFER CAPABILITIES AND IT DOES NOT CHANGE THE CONCLUSIONS RECORDED IN REVISIONS 1 AND 2 OF THIS 50.59 EVALUATION.

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

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92-1-011-080-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: REVISE DRAWINGS TO REFLECT THE AS BUILT CONDITION OF THE PLANT FOR  
CONTAINMENT AIR COOLERS

OTHER REF:

CNTL REF: 91-011-023-00

60231SH0002

91235SH0001

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS MINOR MODIFICATION WILL REVISE DRAWINGS TO REFLECT THE AS-BUILT  
CONDITION OF THE PLANT FOR CONTAINMENT AIR COOLERS (CAC) #11, #12 AND #14.

92-1-012-015-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: THE CIRCULATING SALT WATER COOLING SYSTEM - P&ID

OTHER REF:

CNTL REF: 60233SH0002

91-012-010-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

BG&E DRAWING 60 233 SH 2, "THE CIRCULATING SALT WATER COOLING SYSTEM P&ID,"  
SHOWS THE SALT WATER PIPING IN THE SERVICE WATER PUMP ROOMS. LINE NO. 30"  
LJ 1 1029 IS ONE OF THE 30" SALT WATER HEADERS THAT SUPPLIES SALT WATER TO  
THE U 1 SERVICE WATER HEAT EXCHANGERS. THIS HEADER HAS 1" DRAIN LINE DOES  
NOT SHOW ON DRAWING SK M 0626 AND HAS BEEN VERIFIED BY FIELD WALKDOWN.  
THIS 1" DRAIN LINE DOES NOT SHOW ON THE SYSTEM P&ID. THE PROPOSED CHANGE  
WILL BE TO REVISE THE P&ID TO INCLUDE THIS DRAIN LINE. A 10 CFR 50.59  
SAFETY EVALUATION IS REQUIRED FOR THIS CHANGE BECAUSE BG&E DRAWING NUMBER  
60 233 SH 2 IS ALSO FIGURE 9-8A OF THE FSAR.

92-1-012-050-R00

38

RECORD TYPE: 50.59

RECORD DATE: 04/20/1992

SUBJECT: REMOVES TWO 8" BLIND FLANGES FROM PENETRATION

OTHER REF:

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

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PROPOSED ACTIVITY:

THIS EVALUATION SUPPORT TEMPORARY ALTERATION (TA) NO. 1 92 056, WHICH REMOVES TWO 8 INCH BLIND FLANGES FROM A PENETRATION IN UNIT 1 INTAKE STRUCTURE EAST WALL DURING UNIT 1 SPRING 1992 REFUELING OUTAGE. TA NO. 1 92 056 AUTHORIZES THE REMOVAL OF THESE BLIND FLANGES WITH UNIT 2 IN ANY MODE OF OPERATION.

WHEN TA 1 92 056 IS NO LONGER REQUIRED, THE BLIND FLANGE ARE TO BE REINSTALLED ON THE AFFECTED PENETRATION.

92-1-012-054-R00

38

RECORD TYPE: 50.59

RECORD DATE: 10/20/1992

SUBJECT: 4" K LINE PENETRATION BETWEEN U1 COMPONENT COOLING WATER PUMP ROOM & THE TURBINE BLDG

OTHER REF: TAN1-92-058

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS EVALUATION SUPPORTS TEMP ALTERATION WHICH PROPOSES TO USE THE 4" K LINE PENETRATION BETWEEN THE U1 COMPONENT COOLING WATER PUMP ROOM AND THE TURBINE BUILDING FOR CLEANING AN UNDERGROUND SW PIPE. A SW LINE WILL BE OPENED IN THE CCW PUMP ROOM TO ALLOW INSTALLATION OF A SUMP PUMP INTO THE UNDERGROUND PIPING BELOW. ANOTHER PORTION OF THE SW LINE WILL BE OPENED IN THE TURBINE BLDG TO ALLOW ACCESS BY AN UNDERWATER DIVER WHO WILL INSPECT AND CLEAN THE PIPING. THE BLIND FLANGE ON EACH SIDE OF THE K LINE PENETRATION WILL BE REMOVED AND REPLACED WITH 4" RUBBER HOSES AND PIPING. THE DISCHARGE OF THE SUMP PUMP WILL BE SENT, TO A POINT IN THE TURBINE BLDG VIA THE RUBBER HOSES, PIPING AND THE K LINE PENETRATION.

THE TEMP ALTERATION WILL BE PERFORMED WHILE THE U1 CORE IS DEFUELED, BOTH TRAINS OF THE SW SYSTEM ARE OUT OF SERVICE, AND ALL U1 CW PUMPS ARE TAGGED OUT. WHEN THE TEMP ALTERATION IS NO LONGER REQUIRED, THE K LINE PENETRATION AND THE SW PIPING INSIDE THE CCW PUMP ROOM WILL BE RESTORED TO THEIR ORIGINAL CONFIGURATION.

92-1-015-106-R00

38

RECORD TYPE: 50.59

RECORD DATE: 09/08/1992

SUBJECT: EVALUATION OF A DISCREPANCY BETWEEN THE DESCRIPTION OF THE CCW SYSTEM

OTHER REF: RDC#IR9200483

CNTL REF:

CONTROL DATE: 12/10/1993  
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ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THE PROPOSED ACTIVITY INVOLVES THE EVALUATION OF A DISCREPANCY BETWEEN THE DESCRIPTION OF THE CCW SYSTEM GIVEN IN UFSAR FIGURE 9 6 (H 51, SH. 1) AND THE AS BUILT CONDITION. THE DISCREPANCY CONSISTS OF A DRAWING ERROR ON THE CCW SYSTEM P&ID IN WHICH THE SUPPLY AND RETURN LINES TO AND FROM THE RC LETDOWN PENETRATION COOLER AND RC SAMPLE PENETRATION COOLER WERE INCORRECTLY SHOWN. THIS ACTIVITY DOES NOT CONSTITUTE A DESIGN CHANGE. HOWEVER, SINCE THIS P&ID IS INCLUDED IN THE UFSAR, A 50.59 IS REQUIRED TO DOCUMENT THIS DRAWING REVISION.

92-1-015-142-R00

38

RECORD TYPE: 50.59

RECORD DATE: 10/26/1992

SUBJECT: EVALUATION OF DISCREPANCY BETWEEN DESCRIPTION OF CCW SYSTEM IN FSAR  
AND AS-BUILT CONDITION.

OTHER REF: RDCWIR9200766

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

INVOLVES THE EVALUATION OF A DISCREPANCY BETWEEN THE DESCRIPTION OF THE CCW SYSTEM GIVEN IN THE UFSAR FIGURE 9 - 6 AND THE AS-BUILT CONDITION. THE DISCREPANCY CONSISTS OF A DRAWING ERROR ON THE CCW SYSTEM P&ID IN WHICH THE SUPPLY AND RETURN LINES TO AND FROM THE 11 AND 12 MAIN STEAM PENETRATION COOLERS WERE INCORRECTLY SHOWN. THE DISCREPANCY ALSO INCLUDED THE INCORRECT LOCATION OF THE VENT LINE ON THE CCW RETURN LINE FROM 11 STEAM GENERATOR BLOWDOWN PENETRATION COOLER. THIS ACTIVITY DOES NOT CONSTITUTE A DESIGN CHANGE. HOWEVER, SINCE THIS P&ID IS INCLUDED IN THE UFSAR, A SAFETY EVALUATION IS REQUIRED TO DOCUMENT THIS DRAWING REVISION.

92-1-015-159-R00

38

RECORD TYPE: 50.59

RECORD DATE: 12/07/1992

SUBJECT: SEVERAL CHANGES TO H-51

OTHER REF: IR9200774

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:



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THE SUBJECT RDC INITIATES SEVERAL CHANGES TO H-51, DWG P&ID, COMPONENT COOLING SYSTEM, U1, REV 15. SOME OF THE CHANGES ARE EDITORIAL AND MOST HAVE PREVIOUS ENGINEERING JUSTIFICATIONS. THE P&ID SHOWS A 1" DRAIN LINE ON THE CCW RETURN LINE FOR RCW EVAPORATOR 12 AS VERIFIED BY FIELD WALKDOWN AND DRAWING. THE P&ID IS REVISED TO REFLECT HIS CHANGE. AUTOMATIC AIR VENT VALVES ARE ADDED TO THE CCW SUPPLY AND RETURN HEADER VENT LINES DOWNSTREAM OF THE VENT ISOLATION VALVES. EXISTENCE OF THESE AUTO VENTS WERE VERIFIED. THE ASSOCIATED ISOLATION VALVE SYMBOLS WILL BE CHANGED TO REFLECT OPEN POSITION. THE P&ID WAS REVISED TO ADD AIR TRAP VENT DISCHARGE LINES IN RETURN AND SUPPLY VENT LINES FOR THE WASTE GAS COMPRESSOR. THE AIR TRAPS ON THESE VENT LINES ARE ACTUALLY AUTOMATIC AIR VENT VALVES AS VERIFIED BY WALK DOWN AND FSK. THE P&ID WILL BE REVISED TO REFLECT THIS CONFIGURATION.

92-1-019-038-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: BOTTLED AIR SUPPLY UPSTREAM OF SOLENOID VALVES

OTHER REF:

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

ACTIVITY:

THIS NSR TEMP ALTERATION PROVIDES A BOTTLED AIR SUPPLY UPSTREAM OF SOLENOID VALVES. THIS ACTIVITY RESULTS FROM THE TEMPORARY ISOLATION OF THE SOLENOID VALVES NORMAL INSTRUMENT AIR SUPPLY BY FCR 89 180 ACTIVITIES. THESE SOLENOID VALVES ARE SHOWN ON UFSAR FIGURES. FOR THIS REASON, A SAFETY EVALUATION HAS BEEN GENERATED. MARKED UP DRAWINGS ARE ATTACHED TO ILLUSTRATE THE TEMPORARY ALTERATION.

92-1-019-048-R00

38

RECORD TYPE: 50.59

RECORD DATE: 04/21/1992

SUBJECT: REMOVAL OF THE OPERATOR

OTHER REF: TA#1-92-042

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

TEMPORARY ALTERATION 1 92 042 WILL ALLOW FOR THE REMOVAL OF THE OPERATOR ON 1 IA 2080 (INSTRUMENT AIR CONTAINMENT ISOLATION VALVE) AND THE INSTALLATION OF A TEMPORARY GAG TO MAINTAIN 1 IA 2080 IN AN OPEN POSITION TO ALLOW

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CONTINUED INSTRUMENT AIR SERVICE.

92-1-019-048-R01 38  
RECORD TYPE: 50.59  
RECORD DATE: 06/18/1992  
SUBJECT: WILL ALLOW FOR THE REMOVAL OF THE OPERATOR  
OTHER REF: TA#1-92-042  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

TEMPORARY ALTERATION 1 92 042 WILL ALLOW FOR THE REMOVAL OF THE OPERATOR ON 1 IA 2080 (INSTRUMENT AIR CONTAINMENT ISOLATION VALVE) AND THE INSTALLATION OF A TEMPORARY GAG TO MAINTAIN 1 IA 2080 IN AN OPEN POSITION TO ALLOW CONTINUED INSTRUMENT AIR SERVICE.

92-1-019-073-R00 38  
RECORD TYPE: 50.59  
RECORD DATE: 07/14/1992  
SUBJECT: PROVIDES PLANT AIR CROSS CONNECTS TO THE INSTRUMENT AIR SYSTEM  
OTHER REF: TA#1-92-076  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS NON SAFETY RELATED (NSR) TEMPORARY ALTERATION (TA) PROVIDES PLANT AIR CROSS CONNECTS TO THE INSTRUMENT AIR SYSTEM BETWEEN VALVES.

92-1-030-058-R00 38  
RECORD TYPE: 50.59  
RECORD DATE: 04/29/1992  
SUBJECT: SR PNEUMATIC PISTON ACTUATORS WITH NEW ACTUATORS  
OTHER REF:  
CNTL REF: 91-0297 91-0297-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

FCR 92 0297 REPLACES THE SAFETY RELATED PNEUMATIC PISTON ACTUATORS WITH NEW

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ACTUATORS AND ALSO INSTALLS PILOT POSITIONERS FOR CONTROL ROOM VENTILATION SYSTEM. THE OLD JOHNSON CONTROL MODEL # D 265 ACTUATOR IS OBSOLETE THE FCR WILL:

1. REPLACE THE EXISTING ACTUATORS, JOHNSON YOKOGAWA CORPORATION MODEL #D 265 WITH THE FUNCTIONAL EQUIVALENT NEW MODEL # D 3153 FOR ACTUATORS.

2. INSTALL NEW NSR TUBING FOR AN INSTRUMENT AIR SUPPLY BETWEEN THE EXISTING PANEL AND THE POSITIONER.

92-1-036-001-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: MAINTENANCE ISOLATION VALVE IN THE UNIT 1 AFW RECIRCULATION LINE

OTHER REF:

CNTL REF: 91-036-017-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY INSTALLS A 2 INCH MAINTENANCE ISOLATION VALVE IN THE UNIT 1 AFW RECIRCULATION LINE TO THE NUMBER 12 CST. THIS VALVE WILL PROVIDE THE ABILITY TO ISOLATE THE UNIT 1 STEAM DRIVEN AFW RECIRCULATION FROM THE CST 12. A SIMILAR VALVE CURRENTLY EXISTS ON THE UNIT 2 RECIRCULATION LINE.

92-1-041-023-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: INSTALL A FREEZE SEAL TO ISOLATE REACTOR COOLANT LOOP

OTHER REF:

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS 50.59 SAFETY EVALUATION IS REQUIRED BECAUSE TEMPORARY ALTERATION 1 92 004 PROPOSES TO INSTALL A FREEZE SEAL TO ISOLATE REACTOR COOLANT LOOP 12A FROM 1 CVC 397 AND TO MAINTAIN A REACTOR COOLANT PRESSURE BOUNDARY DURING VALVE REPLACEMENT.

92-1-046-055-R00

38

RECORD TYPE: 50.59

RECORD DATE: 05/06/1992

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

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SUBJECT: NEGATE THE FUNCTION OF THE ADDITIONAL SIGNALS THAT ARE REQUIRED IN  
ADDITION TO THE LOSS OF COOLANT INCIDENT SEQUENCER START SIGNALS

OTHER REF:

CNTL REF: 92-0210-01

92-0210

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY WILL NEGATE THE FUNCTION OF THE ADDITIONAL SIGNALS (I. E. CONTAINMENT SPRAY ACTUATION SIGNAL AND CONTAINMENT ISOLATION SIGNAL) THAT ARE REQUIRED IN ADDITION TO THE LOSS OF COOLANT INCIDENT SEQUENCER (LOCIS) START SIGNALS TO ACTUATE CERTAIN ESF EQUIPMENT. THIS IS BEING DONE SO THAT THE LOCI SEQUENCER CAN START THE ESF EQUIPMENT WITHOUT THE ADDITIONAL SIGNALS THAT ADD AN ELEMENT OF UNCERTAINTY TO THE STARTING OF THE EQUIPMENT ON LOCI SEQUENCER STEPS 3 AND 4. THE LOCI SEQUENCER IS STARTED BY SAFETY INJECTION ACTUATION SIGNAL (SIAS AND UNDERVOLTAGE (UV)).

PRIOR TO THIS MODIFICATION THE CONTAINMENT SPRAY PUMPS WOULD NOT START. COOLER FANS WOULD NOT START ON LOW SPEED, THE SFP COOLER 11 SERVICE WATER INLET AND OUTLET VALVES WOULD NOT CLOSE AND THE CONTAINMENT SERVICE WATER OUTLET VALVES 1 CV 1582, 85, 90 AND 93 WOULD NOT OPEN ON THE LOCI SEQUENCER STEP 3 SIGNAL UNTIL THERE WAS COINCIDENT CONTAINMENT SPRAY ACTUATION SIGNAL (CSAS). WITH THIS MODIFICATION, THE CONTAINMENT SPRAY PUMPS, COOLER FANS AND SERVICE WATER VALVES WILL PERFORM THEIR RESPECTIVE FUNCTIONS ON LOCI SEQUENCER STEP 3 WITHOUT THE REQUIREMENT THAT A CSAS BE PRESENT.

92-1-059-043-R00

38

RECORD TYPE: 50.59

RECORD DATE: 03/25/1992

SUBJECT: INSTALLING TEMP AIR FOR THE USE OF PNEUMATIC TOOLS INSIDE CONTAINMENT

OTHER REF: TA#1-92-051

TA#1-92-045

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS EVALUATION SUPPORTS INSTALLATION OF TEMPORARY ALTERATIONS (TA) NO. 1 92 045 AND 1 92 051, IN SUPPORT OF INSTALLING TEMPORARY AIR FOR THE USE OF PNEUMATIC TOOLS INSIDE CONTAINMENT DURING UNIT 1 SPRING 1992 REFUELING OUTAGE.

TA NO. 1 92 051 AUTHORIZES THE FOLLOWING: 1. THE INSTALLATION OF THE SPOOL PIECE AT PENETRATION 50 (27 FOOT ELEVATION UNIT 2 EAST PENETRATION ROOM),

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AND 2. THE PERFORMANCE OF A PRESSURE TEST OF THE HB PIPING LINE CLASS, ASSOCIATED WITH THE INTERGRATED LEAK RATE TEST (ILRT) PRESSURE SYSTEM PIPING, TO INCREASE THE DESIGN PRESSURE RATING FROM 75 PSIG TO 150 PSIG. UPON SATISFACTORY COMPLETION OF TA 1 92 051, TA NO. 1 92 045 AUTHORIZES THE FOLLOWING: 1. THE INSTALLATION OF TEMPORARY AIR COMPRESSOR, IF NOT ALREADY INSTALLED BY TA 1 92 051, AT THE ILRT PRESSURE SYSTEM PIPING SYSTEM OUTSIDE THE NORTH END OF THE TURBINE BUILDING, 2. INSTALLATION OF A RELIEF VALVE TO PROVIDE OVERPRESSURE PROTECTION FOR THE ILRT PRESSURE SYSTEM PIPING, AND 3. THE REMOVAL OF THE BLIND FLANGE AND THE COMPRESSED AIR TO A DISTRIBUTION MANIFOLD.

92-1-059-082-R00      38  
RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT: REQUESTS THE NECESSARY DRAWINGS IN THE UFSAR TO BE UPDATED  
OTHER REF:  
CNTL REF: 92-059-005-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

MCR REQUESTS THE NECESSARY DRAWINGS IN THE UFSAR TO BE  
UPDATED BY DES TO SHOW THE AS BUILT STATUS ON CABLES.

92-1-060-051-R00      38  
RECORD TYPE: 50.59  
RECORD DATE: 04/13/1992  
SUBJECT: REMOVES A SECTION OF VENTILATION DUCT FORM THE U1 CONTAINMENT COOLING  
SYSTEM  
OTHER REF: TAN1-92-061  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

TA 1 92 061 REMOVES A SECTION OF VENTILATION DUCT FROM THE  
UNIT NO. 1 CONTAINMENT COOLING SYSTEM. THE REMOVED DUCTING NORMALLY  
ROUTES VENTILATION FLOW TO THE PRESSURIZER COMPARTMENT AREA. THE DUCT IS  
REMOVED TO ELIMINATE INTERFERENCE DURING REMOVAL OF 11 A REACTOR COOLANT  
PUMP (RCP) MOTOR FOR MAINTENANCE. THE OPENINGS IN THE REMAINING  
DUCTWORK ARE COVERED FOR PERSONNEL SAFETY AND TO PREVENT MATERIAL INTRUSION.



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92-1-069-079-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: PERFORMANCE EVALUATION OF THE CONTAINMENT AIR COOLERS

OTHER REF: ETP#91-45

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

ETP WILL CONDUIT A PERFORMANCE EVALUATION OF THE CONTAINMENT AIR COOLERS (CAC). THIS TEST WILL BE CONDUCTED IN EITHER MODES 3, 4, OR 5. THE TEST WILL CONSIST OF COLLECTING DATA RELATING TO THE MEASUREMENTS OF AIR FLOW, TEMPERATURE, RELATIVE HUMIDITY, DIFFERENTIAL PRESSURE, ETC. OF THE CAC INLET AND OUTLET FLOW STREAM. ADDITIONALLY, THE TEST WILL MONITOR FLOW RATE AND TEMPERATURE AT THE INLET, AND OUTLET OF THE SERVICE WATER (SRW) TO AND FROM THE CAC 'S.

92-1-061-069-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: MODIFY ANCHOR ON THE CONTAINMENT SPRAY HEADER

OTHER REF:

CNTL REF: 92-061-005-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY WILL MODIFY ANCHOR MARK NO. H C 33 1005 A 2 ON THE CONTAINMENT SPRAY HEADER SO THAT THE ANCHOR WILL MEET THE DESIGN CODE REQUIREMENTS OF USAS B31.1, POWER PIPING CODE, 1967 EDITION.

92-1-061-070-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: MODIFY ANCHOR ON THE CONTAINMENT SPRAY HEADER

OTHER REF:

CNTL REF: 92-061-006-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

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0      THIS ACTIVITY WILL MODIFY ANCHOR MARK NUMBER 8 HC 33 1001 A1 ON THE  
CONTAINMENT SPRAY HEADER SO THAT THE ANCHOR WILL MEET THE DESIGN CODE  
REQUIREMENTS OF USAS B 31 1, POWER PIPING CODE, 1967 EDITION WITH  
B 31. 1B - 1971, B 31. 1C - 1972 AND B 31. 1D - 1972 ADDENDA.

92-1-061-071-R00      38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: MODIFY SUPPORT ON THE CONTAINMENT SPRAY HEADER

OTHER REF:

CNTL REF: 92-061-007-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY WILL MODIFY SUPPORT MARK NO. 8 HC 33 1005 H 29 ON THE  
CONTAINMENT SPRAY HEADER SO THAT THE SUPPORT WILL MEET THE DESIGN CODE  
REQUIREMENTS OF USAS B31.1, POWER PIPING CODE, 1967 EDITION.

92-1-061-072-R00      38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: MODIFY ANCHOR ON THE CONTAINMENT SPRAY HEADER

OTHER REF:

CNTL REF: 92-061-008-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY WILL MODIFY ANCHOR 8" HC 33 1005 A1 ON THE CONTAINMENT  
SPRAY HEADER SO THAT THE ANCHOR WILL MEET THE DESIGN CODE REQUIREMENTS OF  
USAS B31.1, POWER PIPING CODE, 1967 EDITION.

92-1-061-164-R00      38

RECORD TYPE: 50.59

RECORD DATE: 11/30/1992

SUBJECT: ADD 1" DRAIN TO CONTAINMENT SPRAY HEADER.

OTHER REF: IR9200739

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

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4      ADD 1" DRAIN TO CONTAINMENT SPRAY HEADER.

92-1-064A-145-R00      38  
RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT: OIL FILL HOSE  
OTHER REF: TA#1-92-112  
CNTL REF:  
ASSOC REC:  
TEXT: TLXT TYPE:  
PROPOSED ACTIVITY:

THE TEMP ALTERATION EVALUATES THE TEMPORARY INSTALLATION OF AN OIL FILL HOSE ONTO THE OIL FILLER PIPE OF RCP MOTOR 11B. THE HOSE IS REQUIRED TO ALLOW THE UPPER OIL RESERVOIR TO BE FILLED DURING PLANT OPERATION. THERE IS A SMALL STEADY LEAK WITHIN THE UPPER BEARING OIL SYSTEM THAT IS EVIDENCED BY THE REDUCTION IN LEVEL OF THE UPPER OIL RESERVOIR. THE LEVEL IS OBSERVED THROUGH A BORESCOPE.

92-1-066-004-R00      38  
RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT: 12 CAVITY COOLING FAN MOTOR  
OTHER REF: CCI117#1-92-2  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED CHANGE:

DISCONNECT 12 CAVITY COOLING FAN MOTOR TO PROVIDE OUTAGE POWER.

92-1-066-104-R00      38  
RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT: DISCONNECT 11 CAVITY COOLING FAN MOTOR TO PROVIDE OUTAGE POWER  
OTHER REF:  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

DISCONNECT #11 CAVITY COOLING FAN MOTOR TO PROVIDE OUTAGE POWER.

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

NORMS RECORDS MANAGEMENT SYSTEM  
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92-1-083-100-R00

28

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: EVALUATION SUPPORTS LEAVING THE NON RETRIEVABLE OBJECTS IN THE STEAM  
GENERATORS

OTHER REF: PDR#92167

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS EVALUATION SUPPORTS LEAVING THE FOLLOWING NON RETRIEVABLE OBJECTS IN THE  
STEAM GENERATORS BECAUSE THESE OBJECTS WILL NOT ADVERSELY AFFECT THE STEAM  
GENERATORS:

11 STEAM GENERATOR

1. A 3/4" SOCKET, 2. SLUDGE, AND 3. SLAG.

12 STEAM GENERATOR

1. A 4" GRINDING WHEEL      2. 1 1/2" X 1 1/2" PLATE  
3. VICE GRIP JAW      4. WELD WIRE  
5. 1/4" LONG 1/2" DIAMETER PIPE      6. SLUDGE  
7. SLAG

92-1-084-064-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: INSTALLS A RTD ONTO THE U1 REACTOR VESSEL FLANGE

OTHER REF:

CNTL REF: 92-084-002-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

MCR 92 084 002 INSTALLS A RTD ONTO THE UNIT ONE REACTOR VESSEL FLANGE.  
THE RTD (AND DETACHABLE SUPPORT EQUIPMENT) IS TO BE ADDED TO INCREASE THE  
RELIABILITY OF THE FLNAGE TEMPERATURE READING WHEN THE REACTOR VESSEL WATER  
LEVEL IS BELOW THE FLANGE LEVEL, DURING MODE 5 AND MODE 6 PLANT OPERATION  
(EXAMPLE GIVEN, BOLTUP PROCEDURES).

92-2-004-095-R00

39

RECORD TYPE: 50.59

CONTROL DATE: 12/16/1993  
CONTROL TIME: 08:58

NORMS RECORDS MANAGEMENT SYSTEM  
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RECORD ID      REV      REC STATUS      COMMENTS

RECORD DATE:  
SUBJECT: U1 AND U2 BREAKER 1605 ENGINEERING  
OTHER REF:  
CNTL REF: 84-0027-03      84-0027  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

FCR 84 0027 SUPPLEMENT 3 ISSUES UNIT 2 AND UNIT 1 BREAKER 1605 ENGINEERING WHICH TIES THE 186 LOCKOUT RELAYS (EXCEPT FOR DIESEL GENERATORS WHICH DO NOT HAVE A 186 IN THE BREAKER) AND THE SPRING CHARGING MOTOR LIMIT SWITCH (SMLS) ON ALL 4 KV SR APPLICATION BREAKERS (EXCEPT FOR FEEDERS TO 480 VAC SYSTEM) INTO EXISTING ANNUNCIATORS IN THE CONTROL ROOM. TO MAINTAIN INTER - CHANGE OF ALL 4 KV BREAKERS, A THIRD CONTACT BLOCK IS ADDED TO THE SMLS ON 4 KV BREAKERS AND INACTIVE COMPONENTS AND WIRING FROM THE 4 KV CONTROL CIRCUIT HAD TO BE SPARED.

92-2-011-086-R00

38

RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT: SERVICE WATER SYSTEM VALVE  
OTHER REF:  
CNTL REF: 91-0224-02      91-0224  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

FCR WILL AUTHORIZE THE INSTALLATION OF A NEW SERVICE WATER SYSTEM VALVE IN THE 21 DRAIN OF THE SRW SYSTEM, DOWNSTREAM OF 2 SRW 640. THIS NEW SRW VLV WILL ISOLATE SRW SUPPLY TO BLOWDOWN HEAT EXCHANGER 22 UPON RECEIPT OF A CONTAINMENT SPRAY ACTUATION SIGNAL FROM THE ENGINEERED SAFETY FEATURES ACTUATION SYSTEM. THIS ACTIVITY IS TO BE IMPLEMENTED WHILE THE PLANT IS IN MODE 5 OR 6. THIS ACTIVITY ASSUMES THAT THE MODIFICATIONS TO THE ESFAS SEQUENCER CIRCUIT ASSOCIATED WITH TEMPORARY ALTERATIONS 2 92 11 AND 12 ARE COMPLETE, AND WILL BECOME PERMANENT IN ACCORDANCE WITH ESTABLISHED SITE PROCEDURES. TO FACILITATE THE MODIFICATION AND TESTING OF THE ESFAS SYSTEM, THIS ACTIVITY COMBINES THE ESFAS CABINET MODS OF FCR WITH THIS ACTIVITY. FCR CLOSES THE SURFACE AND BOTTOM STEAM GENERATOR BLOWDOWN ISOLATION VALVES UPON RECEIPT OF A CSAS. IN ADDITION, THE SYSTEM AFFECTED BY FCR 91 224 CAN ONLY BE OPERABLE AFTER THE MODS ASSOCIATED WITH 223 ARE COMPLETE. THEREFORE, THIS SAFETY EVALUATION WILL ADDRESS ALL THE MODIFICATIONS REQUIRED BY FCR 224 AND THE ESFAS CABINET MODIFICATIONS REQUIRED BY 223.

92-2-012-138-R00

39



CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

NORHS RECORDS MANAGEMENT SYSTEM  
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RECORD ID      REV      REC STATUS      COMMENTS

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: VENT IN 23 SALTWATER PUMP.

OTHER REF:

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY REMOVES 1/4" VENT ON THE 23 SALTWATER PUMP. THE EXISTING VENT WAS INSTALLED ON THE 23 PUMP ONLY AS PART OF A PUMP DEGRADATION STUDY IN 1979 AND IS NO LONGER USED. THE 23 PUMP IS BEING REPLACED, AND IN ORDER TO PRECLUDE THE NEED TO INSTALL A NEW VENT, THIS ACTIVITY DELETES THE REQUIREMENT TO HAVE A VENT.

92-2-024-046-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: NEGATE THE FUNCTION OF THE ADDITIONAL SIGNALS THAT ARE REQUIRED IN ADDITION TO THE EMERGENCY DIESEL GENERATOR SEQUENCES

OTHER REF: 2-92-012

TA#2-92-011

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS DRAFT 50.59 EVALUATION HAS BEEN PREPARED IN SUPPORT OF A TECHNICAL SPECIFICATION CHANGE. IN ORDER TO IMPLEMENT THE CHANGES DISCUSSED IN THIS EVALUATION, TECHNICAL SPECIFICATION SURVEILLANCE REQUIREMENTS MUST BE CHANGE.

92-2-026-115-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: DISABLES THE HANGING ALARM ON REACTOR COOLANT PUMP BLEED OFF FLOW UNTIL REPAIRS CAN BE MADE

OTHER REF:

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY DISABLES THE HANGING ALARM 21B REACTOR COOLANT PUMP (RCP)

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

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RECORD ID      REV      REC STATUS      COMMENTS

BLEED OFF FLOW UNTIL REPAIRS CAN BE MADE TO ITS FLOW ELEMENT.

92-2-041-014-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: DIFFERENTIAL PRESSURE INDICATOR

OTHER REF:

CNTL REF: 91-041-026-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS MCR REPLACES FROM U2, ASHCROFT MODEL 1125 DIFFERENTIAL PRESSURE INDICATOR ALONG WITH TWO ASHCROFT DIAPHRAGM SEALS TYPE 100 LOCATED AT 5' OF THE AUX BLDG ACROSS BORIC ACID BASKET STRAINER 2 BS 209 ON BORIC ACID PUMPS DISCHARGE SIDE WITH SEISMICALLY SUPPORTED ITT BARTON DIFFERENTIAL PRESSURE INDICATOR MODEL 22'A WITH TWO DIAPHRAGM SEALS MODEL 600 A.

92-2-041-114-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: FEEDWATER FLOW METERING SECTIONS

OTHER REF:

CNTL REF: 91-0261-06

91-0261

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY WILL REMOVE THE EXISTING UNIT 2 FEEDWATER (FW) FLOW METERING SECTIONS AND ASSOCIATED FLOW TRANSMITTER 2 FT 1111 AND 2 FT 1121 FROM THE CONTAINMENT BUILDING AND REPLACE THEM WITH NEW PIPING. THE FLOW METERING SECTIONS AND TRANSMITTERS WILL BE REMOVED AND ALL ASSOCIATED TUBING, TUBING SUPPORTS, CONDUITS AND CIRCUITS WILL BE RETIRED. THIS ACTIVITY HAS ALREADY BEEN PERFORMED ON UNIT 1.

TO PROVIDE FOR GREATER MAINTENANCE ACCESSIBILITY, NEW FLOW METERING SECTIONS AND TRANSMITTERS WILL BE INSTALLED IN THE FW SYSTEM IN THE TURBINE BUILDING. THE NEW FW SYTEM FLOW TRANSMITTERS WILL BE MOUNTED WITH NEW TUBING, TUBING SUPPORTS, CONDUITS AND CABLE PULLS. THE EXISTING SQUARE ROOT EXTRACTORS AND POWER SUPPLIES IN 2 C 35 AND 2 C 36 WILL BE UTILIZED BY THE NEW INSTRUMENTATION.

THE EXISTING FLOW METERING SECTIONS AND FLOW LOOPS ARE SAFETY RELATED FOR THE PRESSURE BOUNDARY. THE NEW FLOW METERING SECTIONS AND FLOW LOOPS

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WILL BE NON SAFETY RELATED SINCE THEY WILL BE LOCATED PAST THE FIRST ANCHOR OUTSIDE OF THE AUXILIARY BUILDING THAT DEFINES THE FW SYSTEM SR / NSR BOUNDARY. THE FW SYSTEM DOES NOT HAVE ANY REQUIRED ACCIDENTS MITIGATION OR SAFE SHUTDOWN FUNCTIONS OTHER THAN PRESERVING THE PRESSURE BOUNDARY. THE NEW PIPING WILL MAINTAIN THE FW SYSTEM PRESSURE BOUNDARY INSIDE CONTAINMENT.

STRESS ANALYSIS WILL BE PROVIDED FOR NEW PIPING AND FLOW METERING SECTIONS SUPPORTS. DEADWEIGHT, THERMAL AND SEISMIC LOADS (WHERE APPROPRIATE) WILL BE EVALUATED FOR PIPE SUPPORTS. NO BUILDING STRUCTURAL MODIFICATIONS ARE NECESSARY.

92-2-047-147-R00

38

RECORD TYPE: 50.59

RECORD DATE: 11/23/1992

SUBJECT: NSR UNIT 2 26 A & B HIGH PRESSURE FEEDWATER HEATERS LEVEL INDICATORS

OTHER REF:

CNTL REF: 92-047-007-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS MCR REPLACES THE NSR U-2, 26 A & B HIGH PRESSURE FEEDWATER HEATERS LEVEL INDICATORS. THE EXISTING INDICATORS ARE YARWAY MODEL 4412 REMOTE LIQUID LEVEL INDICATORS. THE REPLACEMENT INDICATORS EVALUATED AND APPROVED BY THIS MCR ARE GEMS SURE SITE VISUAL INDICATORS MODEL.

THE YARWAY INDICATORS UTILIZE A CONSTANT HEAD CHAMBER, EQUALIZING LINES VALVES AND TEST LINES VALVES. THE REPLACEMENT INDICATORS DO NOT REQUIRE THESE COMPONENTS FOR PROPER OPERATION AND THEREFORE THEY WILL BE REMOVED. THESE COMPONENTS ARE ILLUSTRATED ON THE EXTRACTION STEAM P&ID AND WILL ALSO BE REMOVED FROM THE DRAWING. THIS EVALUATION HAS BEEN PREPARED TO SUPPORT REVISION OF UFSAR FIGURE 10 10A.

92-2-048-120-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: CONTROL ROOM HVAC 12 SYSTEM.

OTHER REF:

CNTL REF: 92-0210-03

92-0210

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

FOR UNIT 2, THIS ACTIVITY PRIMARILY FINALIZES THE DESIGN ISSUED UNDER TEMP

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ALTERATIONS 2 92 011 & 012. THE FOLLOWING DISCUSSIONS ADDRESS THE DESIGN & MODIFICATIONS ALREADY IN PLACE FOR UNIT 2 AND ADDRESS SOME ADDITIONAL MODIFICATIONS AND IMPROVEMENTS WHICH WERE INITIATED UNDER THE U1 DESIGN EFFORT, BUT NOT INCLUDED UNDER THE TEMP ALTERATIONS. IT SHOULD BE NOTED THAT THE PURPOSE OF RECORD RETENTION, THIS EVALUATION MAKES NO DIFFERENCE BETWEEN THE MODIFICATIONS ALREADY IN PLACE AND THOSE WHICH STILL HAVE TO BE IMPLEMENTED. IN SUMMARY, THE ADDITIONAL DESIGN INCLUDES ENHANCEMENTS TO THE CR HVAC 12 SYSTEM BY ADDING AN ESFAS TIME DELAY INDICATING LIGHT AND AN AUXILIARY RELAY ON PANEL 1C34. THE RELAY IS ADDED TO THE RADIAT ON MONITOR CIRCUIT AND FUNCTIONALLY REPLACE THE EXISTING RELAY IN THE POST LOCI FILTER FANS DAMPER CIRCUIT.

92-2-059-165-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 12/02/1992  
SUBJECT: INSTALLING TEMP AIR  
OTHER REF: 2-92-016      2-92-015  
CNTRL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

THIS EVALUATION SUPPORTS INSTALLATION OF TEMPORARY ALTERATIONS IN SUPPORT OF INSTALLING TEMPORARY AIR FOR THE USE OF PNEUMATIC TOOLS INSIDE CONTAINMENT DURING THE U2 REFUELING OUTAGE.

TEMP ALTERATION 15 AUTHORIZES THE FOLLOWING: 1. THE INSTALLATION OF THE SPOOL PIECES OF THE INTEGRATED LEAK RATE TEST PRESSURE SYSTEM, 2. THE PERFORMANCE OF A PRESSURE TEST OF THE ILRT PRESSURE SYSTEM PIPING TO INCREASE THE DESIGN PRESSURE RATING FROM 75 PSIG TO 150 PSIG.

UPON SATISFACTORY COMPLETION OF 15, 16 AUTHORIZES THE FOLLOWING: 1. THE INSTALLATION OF TEMPORARY AIR COMPRESSOR, IF NOT ALREADY INSTALLED BY 15, AT THE ILRT PRESSURE SYSTEM PIPING SYSTEM OUTSIDE THE SOUTH END OF THE TURBINE BLDG, 2. THE INSTALLATION OF RELIEF VALVE TO PROVIDE OVER PRESSURE PROTECTION FOR THE ILRT PRESSURE SYSTEM PIPING, AND 3. THE REMOVAL OF THE BLIND FLANGE AND THE INSTALLATION OF AN AIR HOSE, INSIDE CONTAINMENT, TO SUPPLY COMPRESSED AIR TO A DISTRIBUTION MANIFOLD.

92-2-060-136-R00

38

RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT: CONTAINMENT COOLER 21  
OTHER REF: 2-92-33  
CNTRL REF:

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

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4			ASSOC REC: TEXT: TEXT TYPE: PROPOSED ACTIVITY: DISCONNECT THE CONTACTS FOR THE FAST SPEED OF CONTAINMENT COOLER 21 FAN MOTOR
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92-2-061-123-R00	39		RECORD TYPE: 50.59 RECORD DATE: SUBJECT: REMOVE SNUBBER MARKS AND CHANGE EXISTING SNUBBER MARK OTHER REF: CNTL REF: 92-061-010-00 ASSOC REC: TEXT: TEXT TYPE:  PROPOSED ACTIVITY:  THIS ACTIVITY WILL REMOVE SNUBBER MARK NUMBER HC 33 2001 R 17 X AND SNUBBER MARK NUMBER HC 33 2001 R 37 X, AND CHANGE THE EXISTING SNUBBER TO A RIGID STRUT ON THE CONTAINMENT SPRAY HEADER SO THAT THEY WILL MEET THE DESIGN CODE REQUIREMENTS OF USAS B 31 . 1, POWER PIPING CODE.
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92-2-061-124-R00	39		RECORD TYPE: 50.59 RECORD DATE: SUBJECT: MODIFY ANCHOR MARK ON THE CONTAINMENT SPRAY HEADER OTHER REF: CNTL REF: 92-061-011-00 ASSOC REC: TEXT: TEXT TYPE:  PROPOSED ACTIVITY:  THIS ACTIVITY WILL MODIFY ANCHOR MARK ON THE CONTAINMENT SPRAY HEADER SO THAT THE ANCHOR WILL MEET THE DESIGN CODE REQUIREMENTS OF USAS B31 . 1, POWER PIPING CODE.
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92-2-061-125-R00	39		RECORD TYPE: 50.59 RECORD DATE: SUBJECT: MODIFY ANCHOR MARK ON THE CONTAINMENT SPRAY HEADER OTHER REF: CNTL REF: 92-061-012-00 ASSOC REC: TEXT: TEXT TYPE:
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CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

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PROPOSED ACTIVITY:

THIS ACTIVITY WILL MODIFY ANCHOR MARK ON THE CONTAINMENT SPRAY HEADER SO THAT THE ANCHOR WILL MEET THE DESIGN CODE REQUIREMENTS OF USAS B 31. 1, POWER PIPING CODE.

92-2-061-126-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: MODIFY HANGER MARK ON THE CONTAINMENT SPRAY HEADER

OTHER REF:

CNTL REF: 92-061-013-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY WILL MODIFY HANGER MARK HC 33 2005 H 1 ON THE CONTAINMENT SPRAY HEADER SO THAT THE HANGER WILL MEET THE DESIGN CODE REQUIREMENTS OF USAS B 31. 1, POWER PIPING CODE.

92-2-061-127-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: CHANGE THE SPRING CAN SETPOINTS ON HANGER MARK

OTHER REF:

CNTL REF: 92-061-014-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY WILL CHANGE THE SPRING CAN SETPOINTS ON HANGER MARK NUMBER H C 33 2001 H 2 AND REPLACE THE SPRING CANS FOR HANGER MARK NUMBER H C 33 2001 H 4 R 8 ON THE CONTAINMENT SPRAY HEADER SO THAT THE HANGERS WILL MEET THE DESIGN CODE REQUIREMENTS OF USAS B 31. 1, POWER PIPING CODE, 1967 EDITION WITH B 31. 1B 1971, B 31. 1C 1972 AND B 31. 1D 1972 ADDENDA.

92-2-064-019-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: ELECTRICALLY DISCONNECT THE 21 A REACTOR COOLANT PUMP HORIZONTAL ROTOR

CONTROL DATE: 12/10/1993  
CONTROL TIME: 08:58

NORMS RECORDS MANAGEMENT SYSTEM  
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#      VIBRATION MONITOR 2 V 125

OTHER REF: 2-92-005

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

ELECTRICALLY DISCONNECT THE 21A REACTOR COOLANT PUMP HORIZONTAL ROTOR  
VIBRATION MONITOR 2 V 125.

92-2-064-068-R00      38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: PERFORMS REVISION TO UFSAR FIGURES  
COMPRESSED AIR SYSTEM

OTHER REF:

CNTL REF: 87-0117

87-0117-0011

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

FEC 87 117 11 PERFORMS A REVISION TO UFSAR FIGURES NUMBER 9 23 1 AND 9 28 B  
(DRAWINGS 60 237, H 53, SHEET 1 AND 62 237, H 454, SHEET 3), COMPRESSED  
AIR SYSTEM, DELETING AIR ACCUMULATORS AND CHECK VALVES FOR 1/2 CV 100 E  
AND 1/2 CV 100 F. THESE ITEMS WERE PHYSICALLY REMOVED BY FCR 87 117.

92-2-083-047-R00      38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: REMOVES CONDENSER VACUUM FROM THE STEAM GENERATOR BLOWDOWN AND  
RECOVER SYSTEM

OTHER REF:

CNTL REF: 91-083-010-01

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY REMOVES 2 PS 4501 FROM THE STEAM GENERATOR BLOWDOWN  
AND RECOVER SYSTEM.

92-2-083-101-R00      38

CONTROL DATE: 12/10/1993  
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RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: INSTALLATION OF AN AUTOMATIC SIGNAL TO SHUT THE U2 STEAM GENERATOR  
SURFACE AND BOTTOM BLOWDOWN CONTAINMENT ISOLATION VALVES

OTHER REF:

CNTL REF: 91-0223

91-0223-02

ASSOC REC: 92-1-048-055-R00

92-B-083-013-R00

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THE SUBJECT DESIGN CHANGE (FCR 91 223 SUPPLEMENT 2) AUTHORIZES THE  
INSTALLATION OF AN AUTOMATIC SIGNAL TO SHUT THE UNIT 2 STEAM GENERATOR  
SURFACE AND BOTTOM BLOWDOWN CONTAINMENT ISOLATION VALVES (2 CV 4010, 4011,  
4012 AND 4013) UPON RECEIPT OF A CONTAINMENT SPRAY ACTUATION SIGNAL  
(CSAS A2 AND B2) FROM THE ENGINEERED SAFETY FEATURES ACTUATION SYSTEM  
(ESFAS).

92-2-093-061-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: MODIFY VARIOUS U2 MAIN TURBINE AND STEAM GENERATOR FEED PUMP TURBINE  
TRIP PARAMETERS

OTHER REF:

CNTL REF: 89-0091

ASSOC REC: 91-1-093-108-R00

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY WILL MODIFY VARIOUS UNIT 2 MAIN TURBINE AND STEAM GENERATOR  
FEED PUMP (SGFP) TURBINE TRIP PARAMETERS TO HELP CALVERT CLIFFS COMPLY  
WITH SOER 84 06 RECOMMENDATION 7 AND TO MEET THE RECOMMENDATIONS OF THE  
REACTOR TRIP REDUCTION TASK FORCE.

93-B-078-044-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT:

OTHER REF: 92-049

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

THE PURPOSE OF THIS ACTIVITY IS TO DELETE A PORTION OF THE FOLLOWING  
SENTENCE IN SECTION 7 5 2 5 OF THE UFSAR WHICH DESCRIBES THE POWER

CONTROL DATE: 12/10/1993  
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RANGE SAFETY CHANNELS. THE SECOND PARAGRAPH ON PAGE 7-64 READS.  
"THE 0.1 TO 125 PRESENT FULL SCALE SIGNAL IS ALSO FED TO A CEA DROP  
DETECTION CIRCUIT WHICH COMPARES THE PRESENT VALUE OF THE SIGNAL WITH  
THE TIME DELAYED (5 TO 15 SECONDS) SIGNAL LEVEL"

93-B-999-066-R00

38

RECORD TYPE: 50.59

RECORD DATE: 10/20/1993

SUBJECT: INSTALLS DUCTBANKS ROUTED FROM BESIDE THE AUXILIARY BUILDING

OTHER REF: 92-B-024-113-R01      92-B-024-087-R00

CNTL REF: 89-0079

ASSOC REC:

TEXT: TEXT TYPE:

ACTIVITY PROPOSED:

THIS ACTIVITY INSTALLS DUCTBANKS ROUTED FROM BESIDE THE AUXILIARY  
BUILDING OF THE PLANT (UNDER THE WEST PLANT ROAD) TO A POINT JUST  
SHORT OF THE BUILDINGS HOUSING THE NEW DIESEL GENERATORS (SAFETY  
RELATED DIESEL GENERATOR AND STATION BLACKOUT DIESEL GENERATOR).  
THESE DUCTBANKS WILL HOUSE PART OF THE ELECTRICAL DISTRIBUTION  
SYSTEM CONNECTING THE NEW DIESEL GENERATORS TO THE EXISTING PLANT.

NUMBER OF RECORDS THAT SATISFIED THE SELECTED CRITERIA:

211

CONTROL DATE: 12/10/1993  
CONTROL TIME: 09:01

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90-B-029-0156-R03

38

RECORD TYPE: 50.59

RECORD DATE: 03/19/1993

SUBJECT: SEE PAGE 7

OTHER REF: 01-27C

AOP-71

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY: THIS EVALUATION ASSURES THERE IS A SUFFICIENT TIME AFTER DG/11 OR CONTROL ROOM A/C UNIT 11 FAILURE AND LOSS OF OFFSITE POWER TO STRIP 4.16 KV BUS 24, 480V LOAD CENTER BUS 24A AND 480V MCC 204R OF UNNECESSARY LOADS AND TO ALIGN CONTROL ROOM A/C UNIT NO. 12 AND OTHER AUXILIARY LOADS PRIOR TO THE CONTROL ROOM TEMPERATURE REACHING 104 DEGREES F.

RESTORATION OF POWER TO REDUNDANT CONTROL ROOM A/C UNIT NO 12 IS NECESSARY FOR THE FOLLOWING CONDITIONS: UNIT 2 IS DE-FUELED, DIESEL GENERATOR (DG) 21 IS INOPERABLE (DUE TO THE UNAVAILABILITY OF COOLING WATER), LOSS OF OFFSITE POWER ON BOTH UNITS AND DG/11 OR CONTROL ROOM A/C UNIT 11 IS FAILED.

90-1-093-092-R01

38

RECORD TYPE: 50.59

RECORD DATE: 10/18/1993

SUBJECT: ADDS A NEW MAIN TURBINE LUBE OIL CONDITIONER TO CLEAN THE OIL IN THE UNIT 1 OR UNIT 2 MAIN TURBINE LUBE OIL RESERVOIR TANKS.

OTHER REF: SUPPLEMENT

CNTL REF: 89-0015

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY ADDS A NEW MAIN TURBINE LUBE OIL CONDITIONER TO CLEAN THE OIL IN THE UNIT 1 AND 2 MAIN TURBINE LUBE OIL RESERVOIR TANKS. THE NEW CONDITIONER WILL BE INSTALLED IN THE UNIT 1 LUBE OIL TANK ROOM AND CONSIST OF A SKID MOUNTED CONDITIONER AND A NEW POWER SUPPLY. PIPING AND VALVING PERMITS THIS ONE CONDITIONER TO PROCESS OIL FROM EITHER THE UNIT 1 OR 2 RESERVOIR TANK AND TO ALSO TRANSFER OIL FROM EITHER RESERVOIR TANK TO THE OUTSIDE STORAGE TANK. THE EXISTING CONDITIONERS IN EACH UNIT SHALL BE RETAINED AND UTILIZED AS BACKUP UNITS.

91-B-052-122-R00

38

RECORD TYPE: 50.59

RECORD DATE: 10/20/1993

SUBJECT: REMOVAL OF AUTO CLOSURE INTERLOCK CIRCUITRY FROM SHUTDOWN COOLING SYSTEM ISOLATION VALVES



CONTROL DATE: 12/10/1993  
CONTROL TIME: 09:01

NORMS RECORDS MANAGEMENT SYSTEM  
RECORDS RESULTS OF SEARCH REPORT  
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PROGRAM NAME: VP0401SE  
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RECORD ID      REV      REC STATUS      COMMENTS  
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OTHER REF: SUPPLEMENT#3  
CNTL REF: 91-0240  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

REMOVAL OF AUTO CLOSURE INTERLOCK CIRCUITRY FROM SHUTDOWN COOLING  
SYSTEM ISOLATION VALVES 1/2 MOV 651 AND 1/2 MOV 652.

92-B-005-158-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 01/27/1993  
SUBJECT: TEMPORARY DIESEL GENERATOR TO SUPPORT U2 OUTAGE.  
OTHER REF:  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

USE OF TEMPORARY DIESEL GENERATOR TO SUPPORT THE U2 OUTAGE. THIS TDG IS NOT  
REQUIRED TO MEET ANY TECHNICAL SPECIFICATIONS. THIS TDG IS BEING BROUGHT  
ON-SITE AS A PRECAUTIONARY MEASURE. THE PRIMARY INTENT OF THIS TDG IS TO  
PROVIDE BACKUP POWER TO #12 SFP COOLING PUMP SHOULD THE SIMULTANEOUS LOSS  
OF OFF SITE POWER AND INOPERABILITY OF #11 SPF COOLING PUMP OCCUR. DURING  
THE U2 OUTAGE, A NSR TEMPORARY DIESEL GENERATOR WILL BE BROUGHT ON SITE TO  
PROVIDE A SOURCE OF STANDBY POWER TO SR 480V BUS 24A. THE TDG WILL BE  
CONNECTED TO CUBICLE 52 - 24 28 ON 480V BUS 24A WHILE 4KV BUS 24 IS DOWN FOR  
MAINTENANCE. THE CONNECTION WILL BE ON THE LOAD SIDE OF AN OPEN SR BREAKER;  
THEREFORE, THE TDG WILL BE ISOLATED FROM BUS 24A UNLESS NEEDED.  
THE TEMP DIESEL WILL BE SET OUTSIDE THE U2 BUTLER BUILDING. THE TDG MAIN  
BREAKER WILL BE SET TO PROTECT THE CABLE FROM DAMAGE.  
THE ONLY TIME THE 480V TDG WOULD BE USED TO POWER BUS 24A IS DURING AN  
EMERGENCY CONDITION AS DETERMINED BY OPERATIONS.  
THIS 50.59 IS APPLICABLE FOR U2 DURING MODES 5, 6, AND DEFUELED.

92-B-011-132-R00

39

RECORD TYPE: 50.59  
RECORD DATE: 11/16/1992  
SUBJECT: ADDITION OF 2 CANTILEVERED DRAIN VENT ASSEMBLIES  
OTHER REF:  
CNTL REF: 92-011-020-00  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

CONTROL DATE: 12/10/1993  
CONTROL TIME: 09:01

NORMS RECORDS MANAGEMENT SYSTEM  
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THIS ACTIVITY INVOLVES THE ADDITION OF TWO (2) CANTILEVERED DRAIN VENT  
ASSEMBLIES ON EACH SERVICE WATER OUTLET NOZZLE FOR THE # 11, 12, 21 AND 22  
SRW HEAT EXCHANGERS.

UFSAR FIGURES 9 9A AND 9 27 A WILL BE UPDATED TO REFLECT THE NEW PLANT  
CONFIGURATION.

92-B-011-106-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: SEE PAGE 7

OTHER REF: 01-15PROCEDURECHANGE 2SRW455

2SRW461

1SW1073

2SW1067

2SW1073

1SRW449

1SRW455

1SRW461

2SRW449

1SW1067

PDRW92-488

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

THIS ACTIVITY PROVIDES FOR INSTALLATION OF A CROSS CONNECTION (BY TEMPORARY  
HOSES) BETWEEN THE SALT WATER AND SERVICE WATER SYSTEMS. THIS CONNECTION  
WOULD BE USED TO PROVIDE SERVICE WATER MAKE-UP FROM SALT WATER SHOULD ALL  
NON-SEISMIC MAKE-UP SOURCES (DEMINERALIZED WATER, CONDENSATE, AND FIRE WATER)  
BE UNAVAILABLE. OPERATORS WOULD DETERMINE THE OPERABLE SALT WATER HEADER  
AND OPERABLE SERVICE WATER PUMP (SELECTING THE HEADER AND PUMP TO SUPPORT  
DIESEL OPERATIONS WHERE MULTIPLE HEADERS AND PUMPS ARE (OPERATING). OPERATOR  
WOULD THEN CONNECT HOSES AND FITTINGS TO THE APPROPRIATE SW HEADER FLOW PORT  
ISOLATION VALVES AND SRW PUMP SUCTION DRAIN VALVES LISTED.

92-B-015-175-R00

02

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: DELETED

OTHER REF:

CNTL REF:

ASSOC REC:

92-B-015-175-R00

38

RECORD TYPE: 50.59

RECORD DATE: 07/21/1993

SUBJECT: MCR 92 015 015 00 UFSAR TABLE 9 - 5.

OTHER REF:

CNTL REF: 92-015-015-00

ASSOC REC:

TEXT: TEXT TYPE:

A CHANGE TO UFSAR TABLE 9-5 AND IS REQUIRED TO PROVIDE CONSISTENCY BETWEEN

CONTROL DATE: 12/10/1993  
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THE EQUIPMENT CHARACTERISTICS OF THE LET DOWN HEAT EXCHANGER (L/D HX) SHOWN IN THE UFSAR AND THE DESIGN PARAMETERS SHOWN IN THE SPECIFICATION SHEET (SEE TECHNICAL MANUAL \_\_\_\_ W180-1002). THE ORIGINAL EQUIPMENT, PURCHASED FROM THE WHITLOCK MANUFACTURING COMPANY, HAS A TUBE SIDE PRESSURE DROP OF 52 PSI AT 63,500 IB/HR (APPROXIMATELY 138 GPM) AND A SHELL SIDE TOTAL FLUID FLOW OF 594,390 IB/HR.  
REASON: ISSUE REPORT IRO-006-044 DOCUMENTS THE IDENTIFICATION OF VARIOUS DISCREPANCIES IN THE UFSAR AND ASSOCIATED DOCUMENTS THAT WERE DISCOVERED DURING A REVIEW FOR GL 89-13, TASK IV.

92-B-016-080-R00      38  
RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT:  
OTHER REF:  
CNTL REF: 01-1061  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

FEC 01 1061 0003 PROVIDES AN ADDITIONAL PERMANENT ELECTRICAL CONNECTION BETWEEN THE 250 VDC BATTERY CHARGERS 1 D 21 AND 2 D 21 AND THE 250 VDC BATTERIES 13 AND 23 SO THE FIELD CAN EQUALIZE THE OUT OF SERVICE 250 VDC BATTERY WHEN THE 250 VDC SYSTEM IS IN USE. ALSO, THE FIELD HAS REQUESTED A DISCONNECT SWITCH TO ISOLATE 1 D 66 FROM THE 250 VDC SYSTEM.

92-B-019-166-R00      39  
RECORD TYPE: 50.59  
RECORD DATE: 01/13/1993  
SUBJECT: ADDITION OF A PLANT AIR STATION  
OTHER REF:  
CNTL REF: 06-0152  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THE ADDITION OF A PLANT AIR STATION, AND ASSOCIATED PIPING, FOR OPERATION OF THE NEW SPENT FUEL HANDLING MACHINE. THE GRAPPLE FOR THE NEW SPENT FUEL HANDLING MACHINE REQUIRES 10 SCFM OF 55 PSIG AIR WHEN THE GRAPPLE IS ACTUATED (A MONETARY DEMAND). A NEW PLANT AIR STATION, WITH A DESIGN CAPACITY OF COMPRESSED AIR AT 100 PSIG AT 100 DEGREES FAHRENHEIT, IS BEING ADDED TO MEET THIS REQUIREMENT.

CONTROL DATE: 12/10/1993  
CONTROL TIME: 09:01

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92-B-024-113-R00

39

RECORD TYPE: 50.59

RECORD DATE: 09/23/1992

SUBJECT: YARD MODIFICATIONS

OTHER REF:

CNTL REF: 89-0079

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY: THIS EVALUATION ADDRESSES FIVE ACTIVITIES ASSOCIATED WITH THE YARD MODIFICATIONS IN SUPPORT OF THE NEW EDG BUILDINGS AS FOLLOWS:  
1. WELL WATER LINE RELOCATION; 2. STORM DRAIN SYSTEM MODIFICATIONS;  
3. PLANT GROUNDING; 4. FINAL SITE GRADING AND PAVING AND 5. CATHODIC PROTECTION SYSTEM MODIFICATIONS. THESE MODIFICATIONS ARE BEING PERFORMED DUE TO THE INTERFERENCE OF THESE FACILITIES AND SERVICES WITH THE SITE EXCAVATION AND CONSTRUCTION ASSOCIATED WITH THE NEW EDG NORTH PARKING LOT LOCATED OUTSIDE THE PLANTS PROTECTED AREA. THE WELL WATER LINE IS LOCATED WITHIN THE CURRENT SECURITY FENCE ISOLATION ZONE. ALL ACTIVITIES ASSOCIATED WITH THE YARD MODIFICATIONS ARE NS RELATED. THESE ACTIVITIES WILL BE PERFORMED CONCURRENTLY WITH THE EDG BUILDING CONSTRUCTION AND EXCAVATION. THESE MODIFICATIONS WILL SUPPORT THE INSTALLATION OF THE NEW EDG BUILDINGS AND THE OPERATION OF TWO NEW EDGS TO MEET CCNPP STATION BLACKOUT REQUIREMENTS IN COMPLIANCE WITH 10 CFR 50.63 AND REG GUIDE 1.155, STATION BLACKOUT, AND TO PROVIDE SPARE EMERGENCY ELECTRICAL CAPACITY FOR FUTURE ADDITIONS AND MODS.

92-B-024-113-R01

39

RECORD TYPE: 50.59

RECORD DATE: 01/11/1993

SUBJECT: YARD MODIFICATIONS

OTHER REF:

CNTL REF: 89-0079-0002

89-0079

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

ADDRESSES FIVE ACTIVITIES ASSOCIATED WITH THE YARD MODIFICATIONS IN SUPPORT OF THE NEW EDG BUILDINGS AS FOLLOWS: 1. WELL WATER LINE RELOCATION 2. STORM DRAIN SYSTEM MODIFICATIONS 3. PLANT GROUNDING 4. FINAL SITE GRADING AND PAVING AND 5. CATHODIC PROTECTION SYSTEM MODIFICATIONS.

92-B-024-154-R00

38

RECORD TYPE: 50.59

RECORD DATE: 01/11/1993

CONTROL DATE: 12/10/1993  
CONTROL TIME: 09:01

NORMS RECORDS MANAGEMENT SYSTEM  
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0      SUBJECT: ELECTRICAL ISOLATION  
OTHER REF:  
CNTL REF: 90-0001-0283  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

MCR PROVIDES ELECTRICAL ISOLATION FOR THE EDG EXCITER REGULATOR CONTROL  
CIRCUIT AND LOCAL ANNUNCIATION.

92-B-024-182-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 01/27/1993  
SUBJECT: EDG JACKET WATER COOLING AND AIR COOLANT SYSTEMS  
OTHER REF:  
CNTL REF: 92-024-012-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

MCR PROPOSES TO MODIFY THE EXISTING COMMON VENT LINE ASSOCIATED WITH THE EDG  
JACKET WATER COOLING AND AIR COOLANT SYSTEMS. MORE SPECIFICALLY, THE  
EXISTING CONSTANT VENT CONFIGURATION, WHICH IS COMMON TO THE JACKET WATER  
COOLING AND AIR COOLANT SUBSYSTEMS, WILL BE PHYSICALLY SEPARATED TO PROVIDE  
INDEPENDENT VENT PATHS FROM THE RESPECTIVE COOLING WATER HEADERS TO THE  
ASSOCIATED JACKET WATER EXPANSION TANK. THE MODIFICATION WILL ALSO INSTALL  
A SIGHT FLOW INDICATOR IN EACH CONSTANT VENT LINE TO PROVIDE VISUAL  
INDICATION OF ANY AIR ENTRAINMENT WITHIN THE PROCESS FLUID.

92-B-030-096-R00

39

RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT: PROVIDES A CONFIGURATION UPDATE OF THE INSTALLED CONTROL ROOM AND  
CABLE SPREADING ROOM HVAC CONTROL SYSTEM  
OTHER REF: RDC#1R9200039  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS NON SAFETY RELATED (NSR) RDC PROVIDES A CONFIGURATION UPDATE OF THE  
INSTALLED CONTROL ROOM AND CABLE SPREADING ROOM HVAC CONTROL SYSTEM IN THE  
INSTRUMENT AIR SUPPLY DOWNSTREAM OF ISOLATION VALVE 1 IA 966 AND THE  
UPGRADE OF DAMPER ACTUATORS 0 PD 53 63 A (SEE FCR 91 0297). THIS CONTROL  
SYSTEM IS SHOWN ON UFSAR FIGURE 9 23 3 (M-53, SH. 3, 60 237). FOR THIS



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REASON, A SAFETY EVALUATION HAS BEEN GENERATED. A MARKED UP DRAWING IS  
ATTACHED TO ILLUSTRATE THE COMPLETE INSTALLATION.

92-B-030-149-R01

39

RECORD TYPE: 50.59  
RECORD DATE: 11/11/1992  
SUBJECT: CR HVAC UNIT #12  
OTHER REF: 1-92-117  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

MECHANICALLY GAG CONTROL ROOM HVAC UNIT #12 #11 RECIRCULATION AIR DAMPER  
IN THE FAIL SAFE POSITION (OPEN) TO ALLOW THE REPLACEMENT OF THE ASSOCIATED  
DAMPER OPERATOR.

92-B-032-105-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 01/25/1993  
SUBJECT: VENTILATION FANS IN SRW ROOM  
OTHER REF:  
CNTL REF: 88-0123-01      88-0123  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:  
FCR INSTALLS TWO REDUNDANT AND INDEPENDENT VENTILATION FANS IN THE SRW ROOM.  
ONE FAN WILL BE AN INLET AND THE OTHER AN OUTLET FAN. THE FANS WILL BE OF  
OPPOSITE FACILITIES AND WILL BE POWERED FROM THE APPROPRIATE DIESEL BACKED  
SR POWER SOURCE. THE FANS WILL BE SEISMICALLY MOUNTED IN THE AUXILIARY  
BUILDING WALLS. THIS MODIFICATION APPLIES TO BOTH U1 AND U2.

92-B-038-155-R00

39

RECORD TYPE: 50.59  
RECORD DATE: 11/16/1992  
SUBJECT: STEAM GENERATOR BLOWDOWN AND TURBINE PLANT SAMPLE SYSTEM  
OTHER REF:  
CNTL REF: 92-038-003-00      92-076-001-00  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

MCRS PROVIDE REPLACEMENTS FOR THE EXISTING STEAM GENERATOR BLOWDOWN AND  
TURBINE PLANT SAMPLE SYSTEM SAMPLE PRESSURE REDUCING VALVES. THE ORIGINAL

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VALVES ARE NO LONGER AVAILABLE AND THE REPLACEMENT VALVES ARE CURRENTLY SPECIFIED BY THE SAMPLE PANEL VENDOR. THE ORIGINAL VALVES WERE REQUIRED TO BE CONSTRUCTED OF TYPE 316 STAINLESS STEEL FOR SURFACES IN CONTACT WITH SAMPLE FLUIDS. THE REPLACEMENT VALVES ARE CONSTRUCTED OF TYPES 303 AND 304 STAINLESS STEEL MATERIALS. THE REPLACEMENT VALVES MEET DESIGN AND PERFORMANCE REQUIREMENTS FOR THIS APPLICATION AND DO NOT ALTER THE FUNCTION, OR METHOD OF PERFORMING THE FUNCTION, OF THE SAMPLE SYSTEMS.

92-B-041-053-R01

38

RECORD TYPE: 50.59

RECORD DATE: 11/18/1993

SUBJECT: REPLACE VOLUME CONTROL TANK LEVEL TRANSMITTERS

OTHER REF:

CNTL REF: 91-041-037-03

60256SH0001

62256SH0001

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

MCR 91 041 037 REVISION 3 REPLACES THE EXISTING VOLUME CONTROL TANK LEVEL TRANSMITTERS WITH ROSEMOUNT 1151 TRANSMITTERS WITHOUT DIAPHRAGM SEALS. UNIT 2 HAS BEEN MODIFIED TO USE A ROSEMOUNT TRANSMITTER WITH DIAPHRAGM SEALS AND THIS MCR REVISION WILL REMOVE THE DIAPHRAGM SEALS ON UNIT 2. ALSO UNIT 1 STILL HAS A FISCHER & PORTER TRANSMITTER INSTALLED BUT THIS MCR REVISION WILL PROVIDE A ROSEMOUNT TRANSMITTER WITHOUT DIAPHRAGM SEALS FOR UNIT 1. UFSAR FIGURE 9 - 3 AND FIGURE 9 - 24B NEED TO BE REVISED TO REMOVE THE DIAPHRAGM SEALS ADDED BY MCR 91 041 037 REV. 0. NOTE THE ISOLATION VALVES WERE ADDED PER MCR 91 041 037 REV. 0 TO ISOLATE THE TRANSMITTER FROM THE PROCESS FOR MAINTENANCE PURPOSES. TO EVALUATE THE REMOVAL OF THE DIAPHRAGM SEALS ADDED BY AN EARLIER REVISION OF THIS MCR, A REVISED 50.59 SAFETY EVALUATION HAS BEEN WRITTEN.

92-B-041-137-R01

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: FSAR FIGURES WILL BE REVISED

OTHER REF:

CNTL REF: 91-0299

91-0299-0002

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS EVALUATION IS REQUIRED BECAUSE UFSAR FIGURES 9 3A AND 9 24A WILL BE REVISED BASED ON THE PROPOSED ACTIVITIES, EVALUATED UNDER FCR AND FEC, ASSOCIATED WITH THE CHARGING PUMP SEAL WATER LUBRICATION SYSTEM.

CONTROL DATE: 12/10/1993  
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0  
ADDITIONALLY, THIS ACTIVITY WILL MODIFY THE EXISTING CHARGING PUMP PLUNGER  
WELL SECONDARY DRAIN LINE AND THE SEAL WATER TANK VENT LINE AND 3/4"  
OVERFLOW LINE CONFIGURATIONS AS WELL AS OTHER PORTIONS OF THE CHARGING PUMPS  
THAT MAY HAVE CONTRIBUTED TO THE CONTINUING GAS PROBLEMS.

92-B-044-172-R00

38

RECORD TYPE: 50.59

RECORD DATE: 01/27/1993

SUBJECT: EVALUATES AND APPROVES THE USE OF A ROSEMOUNT PRESSURE TRANSMITTER

OTHER REF:

CNTL REF: 60227SH0001

62227SH0001

92-044-014-00

ASSOC REC:

TEXT: TEX: TYPE:

PROPOSED CHANGE:

THE MCR EVALUATES AND APPROVES THE USE OF A ROSEMOUNT MODEL PRESSURE  
TRANSMITTER AND DIAPHRAGM SEALS.

THE HOTWELL LEVEL TRANSMITTERS ARE SHOWN ON DRAWINGS. THESE DRAWINGS ARE  
INCLUDED IN THE UFSAR AS FIGURES 10 7 AND 10 11. DRAWING M 80 INDICATES  
THE SYMBOL FOR A DIAPHRAGM SEAL. THESE DRAWINGS WILL BE REVISED TO  
DOCUMENT THE INSTALLATION OF THE DIAPHRAGM SEALS. THIS 50.59 EVALUATION  
HAS BEEN PREPARED TO SUPPORT THIS DRAWING REVISION SINCE THESE DRAWINGS ARE  
REPRESENTED IN THE UFSAR.

92-B-045-162-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: OPERABILITY OF HIGH PRESSURE FEEDWATER HEATERS

OTHER REF: SUP#03

CNTL REF: 87-0090

ASSOC REC:

TEXT: TEXT TYPE:

THE PROPOSED ACTIVITY WILL REPLACE THE EXISTING UNIT 1 AND 2 CONTROL GRADE  
ANALOG FEEDWATER CONTROL SYSTEM WITH A CONTROL GRADE FULL RANGE DIGITAL  
FEEDWATER CONTROL SYSTEM AND REPLACE THE EXISTING UNIT 2 STEAM  
GENERATOR FEEDWATER PUMP TURBINE CONTROL SYSTEM WITH AN UPGRADE MODEL  
(THE UNIT TURBINE CONTROL SYSTEM WILL ALSO BE UPGRADED, HOWEVER, THE  
MODIFICATION IS MORE EXTENSIVE THAN THE UNIT 2 DIGITAL UPGRADE, AND WILL  
REQUIRE ANOTHER 50.59 EVALUATION).

92-B-060-026-R00

38

RECORD TYPE: 50.59

RECORD DATE: 10/27/1993

SUBJECT: REPLACE CAC DUCT DOOR FUSIBLE LINKS

CONTROL DATE: 12/10/1993  
CONTROL TIME: 09:01

NORMS RECORDS MANAGEMENT SYSTEM  
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OTHER REF: NON-MOD#93-78  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

USFAR 6. 6. 6. F STATES THAT ONE OF THE CAC DUCT DOOR FUSIBLE LINKS WILL BE PERIODICALLY TESTED TO VERIFY THAT ITS MELTING TEMPERATURE HAS NOT CHANGED SIGNIFICANTLY. RATHER THAN TESTING THE FUSIBLE LINKS AS STATED IN THE UFSAR, CALVERT CLIFFS HAS CHOSEN TO REPLACE THESE LINKS DURING EVERY REFUELING OUTAGE.

92-B-066-108-R00

39

RECORD TYPE: 50.59  
RECORD DATE: 01/18/1993  
SUBJECT: 3 POLE DISCONNECT SWITCH  
OTHER REF:  
CNTL REF: 89-0193-00                      89-0193  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

PROVIDE A 3 POLE DISCONNECT SWITCH OFF #11, 12, 21 AND 22 CAVITY COOLING FAN MOTORS TO PROVIDE OUTAGE POWER.

92-B-068-134-R01

38

RECORD TYPE: 50.59  
RECORD DATE: 09/23/1993  
SUBJECT: INSTALLATION OF SEISMIC CLASS 1 CASK SUPPORT PLATFORM  
OTHER REF:  
CNTL REF: 88-0081  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THE ACTIVITY COVERED BY THIS 50.59 EVALUATION IS THE INSTALLATION OF A SEISMIC CLASS 1 CASK SUPPORT PLATFORM IN THE CASK PIT AREA OF THE AUXILIARY BUILDING SPENT FUEL POOL.

92-B-069-148-R00

39

RECORD TYPE: 50.59  
RECORD DATE: 10/22/1992  
SUBJECT: CONNECTION VALVES

CONTROL DATE: 12/10/1993  
CONTROL TIME: 09:01

NORMS RECORDS MANAGEMENT SYSTEM  
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OTHER REF:  
CNTL REF: 92-069-001-00  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

REMOVE FOUR 3/4" VENT, DRAIN, AND TEST CONNECTION VALVES THAT ARE INSTALLED ON PIPING THAT IS TEE CONNECTED FROM LINE 2 HC 10 1018 THAT TRANSPORTS WASTE GAS FROM THE RC DRAIN TANK TO THE WASTE GAS SURGE TANK. THE VALVES ARE TO BE REMOVED AND THE LINES WELD CAPPED.

92-B-076-034-R01

39

RECORD TYPE: 50.59  
RECORD DATE: 09/08/1993  
SUBJECT: DOCUMENTATION FOR ACCEPTABILITY OF THE OPERATION OF THE MAIN VENT RADIATION MONITOR SYSTEM  
OTHER REF:  
CNTL REF: 90-0130  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS EVALUATION PROVIDES THE DOCUMENTATION FOR THE ACCEPTABILITY OF THE OPERATION OF THE MAIN VENT RADIATION MONITOR SYSTEM. THE NON SAFETY RELATED SYSTEM ON PER PLANT VENT SAMPLES THE PLANT VENT DISCHARGE BY CONTINUOUSLY DRAWING A REPRESENTATIVE SAMPLE THROUGH ISOKINETIC NOZZLES USING THE 10 CFM MAIN VENT RADIATION MONITOR PUMPS (#11 AND #12 RESPECTIVELY). THREE PATHS ARE UTILIZED TO PROVIDE SAMPLES OF THE PLANT EXHAUST FOR ANALYSIS OF NOBLE GAS, TRITIUM, PARTICULATE AND IODINE EFFLUENTS.

92-B-076-184-R00

39

RECORD TYPE: 50.59  
RECORD DATE: 01/20/1993  
SUBJECT: TEMPERATURE SWITCHES  
OTHER REF:  
CNTL REF: 92-076-006-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

NSR MCR PROVIDES THE ENGINEERING EVALUATION OF REPLACING THE CURRENT TEMPERATURE SWITCHES USED IN THE TURBINE PLANT CONDENSATE HOTWELL SAMPLE SYSTEM WITH THERMOCOUPLE TEMPERATURE ELEMENTS. THESE INSTALLATIONS ARE LOCATED ON THE 12' TURBINE DECK IN PANEL 1 T 21 FOR U1 AND 2 T 21 FOR U2. THIS SYSTEM AND EQUIPMENT IS ILLUSTRATED ON UFSAR FIGURE 9 11. A DCN HAS



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0      BEEN INITIATED TO REVISE THIS UFSAR DRAWING. A COPY OF THE DCN IS ATTACHED.

92-B-099-140-R02

38

RECORD TYPE: 50.59  
RECORD DATE: 08/09/1993  
SUBJECT: UPGRADE THE SPENT FUEL CASK HANDLING CRANE  
OTHER REF:  
CNTL REF: 88-0081  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

UPGRADE THE SPENT FUEL CASK HANDLING CRANE BY REPLACING THE WHITEY  
TROLLEY WITH A NEW EDERER X SAM SINGLE FAILURE PROOF TROLLEY.

92-1-012-098-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 02/24/1993  
SUBJECT: EVALUATION TO DELETE 2" TELL-TALE PIPING LOCATED ON THE 10" COND. DUMP  
TO THE CIRC WTR DISCHARGE HEADER.  
OTHER REF: RDCIR9201081      NCR#8748  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:

92-1-041-099-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 03/10/1993  
SUBJECT: THIS ACTIVITY PROVIDES ENGINEERING EVALUATION FOR SHORTENING THE VENT  
LINES LOCATED ON THE SUCTION SIDE OF THE REACTOR COOLANT MAKE-UP  
OTHER REF: RDCIR9201078      NCR#8748  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

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CONTROL TIME: 09:01

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THIS ACTIVITY PROVIDES ENGINEERING EVALUATION FOR SHORTENING THE VENT  
LINES LOCATED ON THE SUCTION SIDE OF THE REACTOR COOLANT MAKE UP PUMPS  
11 & 12 BY CAPPING THE TUBING RIGHT AFTER THE ROOT VALVES.

92-1-094-187-R00

39

RECORD TYPE: 57.59  
RECORD DATE: 01/13/1993  
SUBJECT: CHANGE THE STEAM QUALITY CONSTANTS  
OTHER REF: PAK0001                      PAK0002  
CNTL REF: 92-094-005-00  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

THE SCOPE OF THIS MCR IS TO CHANGE THE STEAM QUALITY CONSTANTS FOR STEAM  
GENERATORS 11 AND 12 RESPECTIVELY, TO MORE ACCURATELY REFLECT MEASURED STEAM  
QUALITY FOR THE U1 STEAM GENERATORS. THE STEAM QUALITY CONSTANTS WILL BE  
LOWERED TO REFLECT MEASURED MOISTURE CARRY OVER THAT IS LARGER THAN  
ASSUMED IN THE STEAM GENERATOR OUTPUT CALCULATIONS IN THE PLANT COMPUTER.

92-2-011-161-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 02/01/1993  
SUBJECT: MINIMIZE THE IMPACT OF EXTENSIVE SW SYSTEM MAINTENANCE  
OTHER REF:  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY

THIS 50.59 SUPPORTS INSTALLATION OF THE TEMPORARY ALTERATIONS DURING THE U2  
WINTER SPRING 1993 REFUELING OUTAGE FOLLOWING CORE OFF LOAD.

TEMPORARY ALTERATION 43 INSTALLS SPOOL PIECES TO ALIGN 11 SRW SUBSYSTEM WITH  
22 SRW SUBSYSTEM IN ORDER TO SUPPLY COOLING TO 12 SFP COOLER.

TEMP ALTERATION 44 REMOVES TWO VALVES AND INSTALLS BLIND FLANGE ASSEMBLIES TO  
ENSURE SEPARATION IS MAINTAINED BETWEEN 11 AND 12 SRW SUBSYSTEMS.

THE REMAINDER OF THE ALTERATIONS ARE ELECTRICAL ALTERATIONS WHICH INSTALL  
ELECTRICAL JUMPERS TO AUTOMATICALLY ISOLATE 12 SFP COOLER SRW FLOW ON A U1  
SIAS ACTUATION AND TO ALLOW RESTORING SRW FLOW TO EITHER SFP COOLER AFTER THE  
HEAT LOAD ON THE SRW SYSTEM IS SUFFICIENTLY REDUCED.

92-2-011-161-R01

38

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RECORD ID	REV	REC STATUS	COMMENTS
0			
RECORD TYPE: 50.59			
RECORD DATE: 03/08/1993			
SUBJECT: SEE PAGE 7			
OTHER REF: 2-92-043	2-92-044	1-92-131	1-92-122
2-92-046			2-92-045
CNTL REF:			
ASSOC REC:			
TEXT: TEXT TYPE:			
REVISION 1: TO THIS SAFETY EVALUATION HAS BEEN WRITTEN TO SUPPORT THE COMPLETION OF THE UNIT 2 FULL CORE OFF LOAD 17 DAYS (OR LATER) AFTER PLANT SHUTDOWN. THE CALCULATIONS PERFORMED TO SUPPORT REVISION 0 OF THIS EVALUATION ASSUMED THE COMPLETION OF THE CORE OFF LOAD WILL BE AT 21 DAYS AFTER SHUTDOWN.			
92-2-012-173-R00	38		
RECORD TYPE: 50.59			
RECORD DATE: 01/08/1993			
SUBJECT: TOTAL REPLACEMENT OF THE U2 SW SYSTEM PIPING AND VALVES			
OTHER REF:			
CNTL REF: 91-0258-09	91-0258		
ASSOC REC:			
TEXT: TEXT TYPE:			
PROPOSED ACTIVITY:			
TOTAL REPLACEMENT OF THE U2 SW SYSTEM PIPING AND VALVES LOCATED IN THE SERVICE WATER PUMP ROOM AND THE INTAKE STRUCTURE AND PARTIAL REPLACEMENT OF THE SW PIPING LOCATED IN THE COMPONENT COOLING WATER PUMP ROOM. THE EXISTING CEMENT LINED PIPING WILL BE REPLACED WITH RUBBER LINED PIPING TO PROVIDE GREATER CORROSION RESISTANCE FOR THE SW SYSTEM. NEW PIPING SEGMENTS WILL BE INSTALLED AND WILL INCLUDE NEW VALVES AND OPERATORS AND SPACER BLANK PLATES ON THE OVERBOARD TIE LINES TO PROVIDE POSITIVE ISOLATION BETWEEN SUBSYSTEMS. REMOVABLE SPOOL PIECES, ELBOWS AND TEES IN THE NEW PIPING PROVIDE EASY ACCESS TO UNDERGROUND PIPING FOR INSPECTION. IN ADDITION, THE I/P (CURRENT TO PNEUMATIC TRANSDUCERS), SOLENOID VALVES, AIR SETS AND POSITIONERS ASSOCIATED WITH THE NEW SW AIR OPERATED VALVES WILL BE REPLACED.			
92-2-012-173-R01	39		
RECORD TYPE: 50.59			
RECORD DATE: 01/18/1993			
SUBJECT: REPLACEMENT OF THE U2 SW SYSTEM PIPING			
OTHER REF:			
CNTL REF: 91-0258			
ASSOC REC: 91-1-012-152-R01			
TEXT: TEXT TYPE:			
PROPOSED ACTIVITY:			
TOTAL REPLACEMENT OF THE U2 SW SYSTEM PIPING AND VALVES LOCATED IN THE			

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SERVICE WATER PUMP ROOM AND THE INTAKE STRUCTURE AND PARTIAL REPLACEMENT OF THE SW PIPING LOCATED IN THE COMPONENT COOLING WATER PUMP ROOM. THE EXISTING CEMENT LINED PIPING WILL BE REPLACED WITH RUBBER LINED PIPING TO PROVIDE GREATER CORROSION RESISTANCE FOR THE SW SYSTEM. NEW PIPING SEGMENTS WILL BE INSTALLED AND WILL INCLUDE NEW VALVES AND OPERATORS AND SPACER BLANK PLATES ON THE OVERBOARD TIE LINES TO PROVIDE POSITIVE ISOLATION BETWEEN THE SUBSYSTEMS. REMOVABLE SPOOL PIECES, ELBOWS AND TEES IN THE NEW PIPING PROVIDE EASY ACCESS TO UNDERGROUND PIPING FOR INSPECTION. IN ADDITION, THE I/PS (CURRENT TO PNEUMATIC TRANSDUCERS), SOLENOID VALVES, AIR SETS AND POSITIONERS ASSOCIATED WITH THE NEW SW AIR OPERATED VALVES WILL BE REPLACED.

92-2-012-173-R02

38

RECORD TYPE: 50.59

RECORD DATE: 02/08/1993

SUBJECT: REPLACEMENT OF U2 SW PIPING

OTHER REF:

CNTL REF: 91-0258

91-0258-15

ASSOC REC: 91-1-012-152-R01

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THE ACTIVITY BY THIS EVALUATION PROVIDES FOR THE REPLACEMENT OF THE U2 SW PIPING AND VALVES LOCATED IN THE SRW PUMP ROOM, THE INTAKE STRUCTURE, AND THE CCW PUMP ROOM. THE EXISTING CEMENT LINED PIPING WILL BE REPLACED WITH RUBBER LINED PIPING TO PROVIDE GREATER CORROSION RESISTANCE FRO THE SW SYSTEM NEW PIPING SEGMENTS WILL BE INSTALLED AND WILL INCLUDE NEW VALVES AND OPERATORS AND SPACER BLANK PLATES ON THE OVERBOARD TIE LINES TO PROVIDE POSITIVE ISOLATION BETWEEN THE SUBSYSTEMS. REMOVABLE SPOOL PIECES, ELBOWS AND TEES IN THE NEW PIPING WILL PROVIDE EASY ACCESS TO UNDERGROUND PIPING FOR INSPECTION. VALVE ACCESS PLATFORMS FOR MAINTENANCE AND OPERATION WILL BE PROVIDED. IN ADDITION, THE I/PS (CURRENT TO PNEUMATIC TRANSDUCERS), SOLENOID VALVES, AIR SETS AND POSITIONERS ASSOCIATED WITH THE NEW SW AIR OPERATED VALVES WILL BE REPLACED.

92-2-012-173-R03

38

RECORD TYPE: 50.59

RECORD DATE: 03/19/1993

SUBJECT: SEE PAGE 7

OTHER REF:

CNTL REF: 91-0258

ASSOC REC:

TEXT: TEXT TYPE:

THE ACTIVITY COVERED, PROVIDES FOR THE REPLACEMENT OF THE U2 SW SYSTEM PIPING AND VALVES LOCATED IN THE SERVICE WATER PUMP ROOM, THE INTAKE STRUCTURE, AND THE COMPONENT COOLING WATER PUMP ROOM. THE EXISTING CEMENT LINED PIPING

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WILL BE REPLACED WITH RUBBER-LINED PIPING TO PROVIDE GREATER CORROSION RESISTANCE FOR THE SW SYSTEM. NEW PIPING SEGMENTS WILL BE INSTALLED AND WILL INCLUDE NEW VALVES AND OPERATORS AND SPACERS/BLANK PLATES ON THE OVERBOARD TIE LINES TO PROVIDE POSITIVE ISOLATION BETWEEN THE SUBSYSTEMS. REMOVABLE SPOOL PIECES, ELBOWS AND TEES IN THE NEW PIPING WILL PROVIDE EASY ACCESS TO UNDER GROUP PIPING FOR INSPECTION. (SEE CALC FOR FURTHER INFO)

92-2-041-188-R00

38

RECORD TYPE: 50.59

RECORD DATE: 01/27/1993

SUBJECT: SR TELEDYNE FARRIS 1800 SERIES RELIEF VALVE

OTHER REF:

CNTL REF: 90-0109

ASSOC REC: 92-B-999-153-R00

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THE REPLACEMENT OF ONE SR TELEDYNE FARRIS 1800 SERIES RELIEF VALVE PRESENTLY INSTALLED IN THE CHEMICAL AND VOLUME CONTROL SYSTEM. MINOR PIPING CHANGES TO ACCOMMODATE THE REPLACEMENT VALVE ARE ALSO INCLUDED. THE RELIEF VALVE WITHIN THE SCOPE OF THIS 50.59 IS INTENDED FOR THE PROTECTION OF PIPING AND COMPONENTS AGAINST THERMAL OVERPRESSURE. THAT IS, THIS VALVE FUNCTIONS TO RELEASE A SMALL AMOUNT OF LIQUID FROM A CLOSED SYSTEM WHEN THE TEMPERATURE INCREASE OF THE SYSTEM RESULTS IN EXCESSIVE PRESSURE. THUS, THE VALVE OPENS SLOWLY. UFSAR FIGURE 9 24 WILL BE REVISED AS A RESULT OF THIS ACTIVITY.

92-2-048-189-R00

02

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT:

OTHER REF:

CNTL REF: 92-048-004-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY: THE ACTIVITY UNDER THIS 50.59 EVAL IS THE REMOVAL OF THE ANNUNCIATION CAPABILITY FOR AN "AUTO TEST FAULT" OF THE AUTOMATIC TEST FEATURE FOR THE ENGINEERED SAFETY FEATURES ACTUATION SYSTEM BY SPARING IN PLACE THE UNIT 2 ANNUNCIATOR WINDOW AND ITS ASSOCIATED ESFAS AUTO TEST SWITCH CABLE. THE EXTERNAL CABLE FROM MAIN CONTROL PANEL 2 C 91 TO THE ANNUNCIATOR LOGIC CABINET 2 K 02 WILL BE DISCONNECTED, AND THE REMAINDER OF THE ESFAS AUTO TEST SWITCH CIRCUITRY WILL REMAIN UNCHANGED BY THIS MODIFICATION. THE USE OF THE AUTO TEST FEATURE HAS BEEN PREVIOUSLY DISCONTINUED, AND ITS USE IS NO LONGER NECESSARY TO VERIFY PROPER OPERATION OF THE ESFAS.

REASON FOR ACTIVITY: THE ANNUNCIATION CAPABILITY FOR AN "AUTO TEST FAULT" OF THE AUTO TEST FEATURE FOR THE ESFAS IS BEING REMOVED, BECAUSE THE IS NO



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LONGER USED. PREVIOUS OPERATION OF THE      LED TO SPURIOUS, UNPLANNED SENSOR  
MODULE ACTUATIONS. UNDER FCR 89 126, UFSAR SECTION 7 3 7, "AUTOMATIC TESTING  
FEATURES, "WAS DELETED TO REFLECT THE DISCONTINUATION OF THE USE OF THE "AUTO  
TEST" FUNCTION, AND , PER 01 34, THIS FEATURE IS REQUIRED TO BE IN STANDBY

92-2-059-165-R01

38

RECORD TYPE: 50.59

RECORD DATE: 02/27/1993

SUBJECT: THIS EVALUATION SUPPORTS INSTALLATION OF TEMPORARY ALTERATIONS

OTHER REF: 2-92-015

2-92-016

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

IN SUPPORT OF INSTALLING TEMPORARY AIR FOR THE USE OF PNEUMATIC TOOLS INSIDE  
CONTAINMENT DURING UNIT 2 1993 REFUELING OUTAGE.

92-2-060-177-R00

39

RECORD TYPE: 50.59

RECORD DATE: 02/03/1993

SUBJECT: U2 CONTAINMENT AIR COOLERS.

OTHER REF: ETP#92-101

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

ETP WILL CONDUCT PERFORMANCE EVALUATIONS ON U2 CAC. THIS TEST WILL BE  
CONDUCTED IN EITHER MODES 3, 4 OR 5. THE TEST WILL CONSIST OF COLLECTING  
DATA RELATING TO THE MEASUREMENT OF AIR FLOW, TEMPERATURE, RELATIVE  
HUMIDITY, DIFFERENTIAL PRESSURE, ETC. OF THE CAC INLET AND OUTLET FLOW  
STREAM. ADDITIONALLY, THE TEST WILL MONITOR FLOW RATE AND TEMPERATURE AT  
THE INLET AND OUTLET OF THE SRW OF THE CAC.

92-2-060-177-R1

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT:

OTHER REF:

CNTL REF: 92-101

ASSOC REC:

TEXT: TEXT TYPE:

ETP 92-101 WILL CONDUCT PERFORMANCE EVALUATIONS ON UNIT 2 CONTAINMENT  
AIR COOLER. THIS TEST WILL BE CONDUCTED IN EITHER MODES 3,4, OR 5. THE  
TEST WILL CONSIST OF COLLECTING DATA RELATING TO THE MEASUREMENT OF AIR  
FLOW, TEMP. RELATIVE HUMIDITY, DIFFERENTIAL PRESSURE, ETC. OF ONE OR MORE

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0      CAC INLET AND OUTLET FLOW STREAM. ADDITIONALLY, THE TEST WILL MONITOR  
FLOW RATE AND TEMP. AT THE INLET & OUTLET OF THE SERVICE WATER OF THE CAC

THIS EVALUATION ADDRESSES THE SAFETY SIGNIFICANCE OF IMPLEMENTING  
ETP 92-101 IN MODES 3, 4, AND 5.

92-2-061-123-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: REMOVE SNUBBER MARKS AND CHANGE EXISTING SNUBBER MARK

OTHER REF:

CNTL REF: 92-061-010-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY WILL REMOVE SNUBBER MARK NUMBER HC 33 2001 R 17 X AND  
SNUBBER MARK NUMBER HC 33 2001 R 37 X, AND CHANGE THE EXISTING SNUBBER  
TO A RIGID STRUT ON THE CONTAINMENT SPRAY HEADER SO THAT THEY WILL MEET THE  
DESIGN CODE REQUIREMENTS OF USAS B 31 . 1, POWER PIPING CODE.

92-2-061-124-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: MODIFY ANCHOR MARK ON THE CONTAINMENT SPRAY HEADER

OTHER REF:

CNTL REF: 92-061-011-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY WILL MODIFY ANCHOR MARK ON THE CONTAINMENT SPRAY HEADER SO THAT  
THE ANCHOR WILL MEET THE DESIGN CODE REQUIREMENTS OF USAS B31 . 1, POWER  
PIPING CODE.

92-2-061-125-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: MODIFY ANCHOR MARK ON THE CONTAINMENT SPRAY HEADER

OTHER REF:

CNTL REF: 92-061-012-00

ASSOC REC:

CONTROL DATE: 12/10/1993  
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TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY WILL MODIFY ANCHOR MARK ON THE CONTAINMENT SPRAY HEADER SO THAT THE ANCHOR WILL MEET THE DESIGN CODE REQUIREMENTS OF USAS B 31. 1, POWER PIPING CODE.

92-2-061-126-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: MODIFY HANGER MARK ON THE CONTAINMENT SPRAY HEADER

OTHER REF:

CNTL REF: 92-061-013-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY WILL MODIFY HANGER MARK HC 33 2005 H 1 ON THE CONTAINMENT SPRAY HEADER SO THAT THE HANGER WILL MEET THE DESIGN CODE REQUIREMENTS OF USAS B 31. 1, POWER PIPING CODE.

92-2-061-127-R00

39

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: CHANGE THE SPRING CAN SETPOINTS ON HANGER MARK

OTHER REF:

CNTL REF: 92-061-014-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY WILL CHANGE THE SPRING CAN SETPOINTS ON HANGER MARK NUMBER H C 33 2001 H 2 AND REPLACE THE SPRING CANS FOR HANGER MARK NUMBER H C 33 2001 H 4 R 8 ON THE CONTAINMENT SPRAY HEADER SO THAT THE HANGERS WILL MEET THE DESIGN CODE REQUIREMENTS OF USAS B 31. 1, POWER PIPING CODE, 1967 EDITION WITH B 31. 1B 1971, B 31. 1C 1972 AND B 31. 1D 1972 ADDENDA.

92-2-066-171-R00

38

RECORD TYPE: 50.59

RECORD DATE: 01/13/1993

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0      SUBJECT: DISCONNECT 22 CAVITY COOLING FAN MOTOR  
OTHER REF: 2-92-55  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

DISCONNECT THE 22 CAVITY COOLING FAN MOTOR TO PROVIDE A SOURCE OF TEMPORARY  
OUTAGE POWER.

93-B-003-146-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 11/08/1993  
SUBJECT: INSTALLS 13.8 KV VOLTAGE REGULATORS  
OTHER REF:  
CNTL REF: 88-0094      88-0094-03  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

1. THE INSTALLATION OF THE REGULATORS, MANUAL LOAD INTERRUPTER TRANSFER SWITCHES CABLES, CABLE TRAYS AND SUPPORTS, STEEL FRAMING FOR FIRE PROTECTION PIPING AND CABLE TRAYS, AND LOCAL / REMOTE ANNUNCIATION
2. THE MODIFICATION OF THE EXISTING 13.8 KV SWITCHGEAR.
3. OPERATION OF THE REGULATORS AND TRANSFER SWITCHES IN THE BYPASS MODE.

93-B-011-049-R00

38

RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT:  
OTHER REF:  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY: THIS ACTIVITY EVALUATES THE TEMPORARY USE OF INTRUSIVE TEMPERATURE PROBES, AND ASSOCIATED TEST CONNECTIONS, ON EACH SERVICE WATER OUTLET NOZZLE FOR THE NO. 11 12 21, AND 22 SRW HEAT EXCHANGERS ON UNITS 1 AND 2 IN THE PERFORMANCE OF THE SUBJECT ENGINEERING TEST PROCEDURES ETP'S DURING ANY MODE OF OPERATION.

REASON FOR ACTIVITY: THE TEMPORARY TEST PROBES AND CONNECTIONS WILL PERMIT MORE ACCURATE THERMAL PERFORMANCE MEASUREMENTS TO BE MADE ON THE SRW HXS IN

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RESPONSE TO NRC GENERIC LETTER 89-13.  
PREVIOUS SAFETY EVALUATION: 50.59 LOG NUMBER 92 B 011 132 00 JUSTIFIED THE  
ADDITION OF TWO PERMANENT CANTILEVERED DRAIN VENT ASSEMBLIES ON EACH SERVICE  
WATER OUTLET NOZZLE FOR THE NO. 11 12 21 AND 22 SRW HEAT EXCHANGERS ON UNITS  
1 AND 2. THE NEW DRAIN VENT ASSEMBLIES HAVE BEEN DESIGNED TO ALLOW THE  
INSERTION OF TEMPERATURE PROBES TO MONITOR SRW OUTLET TEMPERATURE.  
INSTALLATION OF THE DRAIN VENT ASSEMBLIES WAS APPROVED UNDER MCR 92 011 020.

93-B-011-052-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 06/14/1993  
SUBJECT: REVISE UFSAR  
OTHER REF:  
CNTL REF: 90-0141  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THE PURPOSE OF THIS 50.59 SAFETY EVALUATION IS TO ALLOW ADDITIONAL  
WORDS TO BE INCLUDED IN UFSAR SECTION 9.5.2.2. THE FOLLOWING  
WORDS ARE TO BE ADDED AFTER THE LIST OF TURBINE BUILDING COMPONENTS  
WHICH ARE COOLED BY SERVICE WATER (SRW):

SRW TO THE TURBINE BUILDING IS NOT AUTOMATICALLY ISOLATED UPON  
A SEISMIC EVENT. HOWEVER, TO ENSURE THAT THIS PORTION OF THE SYSTEM  
WILL BE PERFORM ITS PRESSURE BOUNDARY FUNCTION AND PROVIDE CONTINUED  
COOLING TO THE EDGS DURING AND AFTER A SEISMIC EVENT, THE ENTIRE  
TURBINE BUILDING SRW PIPING WAS WALKED DOWN AND EVALUATED FOR  
SEISMIC ADEQUACY. CONSEQUENTLY, A FEW SMALL BORE PIPES AND/OR  
ASSOCIATED SUPPORTS WERE MODIFIED TO PROTECT THE NSR PORTION OF  
OF THE SYSTEM FROM ANY SEISMICALLY INDUCED POTENTIAL SPATIAL  
INTERACTION WITH CLOSE BY STATIONARY STRUCTURES AND / OR ADJACENTLY  
RUN PIPES AND COMPONENTS.

93-B-011-109-R00

38

RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT:  
OTHER REF: NONMOD93-079  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:

A CHANGE TO UFSAR TABLE 9-17 AND IS REQUIRED TO PROVIDE CONSISTENCY  
BETWEEN THE EQUIPMENT CHARACTERISTICS OF THE SRW AND CCW HEAT EXCHANGERS



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SHOWN IN THE UFSAR AND THE DESIGN PARAMETERS SHOWN IN THE MOST RECENT DESIGN ANALYSIS OR THE ORIGINAL VENDOR RATING SHEETS.  
REASON: ISSUE REPORT IRO-006-045 DOCUMENTED THAT THE HEAT REMOVAL CAPABILITIES OF THE SRW AND CCW HEAT EXCHANGERS IN UFSAR TABLE 9-17 DO NOT AGREE WITH THE ORIGINAL VENDOR RATING SHEETS OR THE MOST RECENT DESIGN ANALYSIS PERFORMED IN RESPONSE TO GENERIC LETTER 89-13. THE RECOMMENDED CORRECTIVE ACTION IS TO REVISE UFSAR TABLE 9-17 TO REFLECT THE ORIGINAL DESIGN PARAMETERS IDENTIFIED IN THE APPLICABLE VENDOR RATING SHEETS OR THE HEAT DUTIES UTILIZED IN THE MOST RECENT DESIGN ANALYSIS. THERE ARE NO FURTHER CHANGES OR IMPACT TO THE SAR.

93-B-012-012-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT:

OTHER REF:

CNTL REF: 93-012-002-00

ASSOC REC:

TEXT: TEXT TYPE:

UFSAR FIGURE 9-8A (UNIT 1 SALT WATER P&ID) SHOWS 1-CV-5174, 5175, 5177, AND 5178 AS NORMALLY CLOSED, WHILE UFSAR FIGURE 9-26A (UNIT 2 SALT WATER P&ID) SHOWS 2-CV-5174, 5175, 5177, AND 5178 AS NORMALLY OPEN. THIS ACTIVITY WILL CHANGE THE AFFECTED UFSAR FIGURES TO SHOW THE NORMAL SALT WATER SYSTEM LINEUP WITH 1/2-CV-5174 & 5175 NORMALLY OPEN AND 1/2-CV-5177 & 5178 NORMALLY CLOSED. UFSAR FIGURE 9-8A SHOWS 1-CV-5170, 5171 AND 5173 AS NORMALLY CLOSED. THIS ACTIVITY WILL CHANGE THE PRESENTATION OF UFSAR FIGURE 9-8A TO SHOW 1-CV-5170, 5171, & 5173 AS NORMALLY CLOSED AND ADD A NOTE TO UFSAR FIGURES 9-8A AND 9-26A TO CLARIFY THAT THESE VALVES ARE NORMALLY CLOSED AND AUTOMATICALLY OPEN TO REGULATE ECCS PUMP ROOM TEMP. REASON: THIS ACTIVITY WILL PROVIDE ADDITIONAL CLARIFICATION TO UFSAR FIGURES 9-8A AND 9-26A AS A RESULT OF DISCREPANCIES WHICH WERE IDENTIFIED IN ISSUE REPORT IRO-009-606. THESE CHANGES ARE NECESSARY IN ORDER TO BE CONSISTENT WITH THE INTENDED FUNCTION AND OPERATION OF THE SALT WATER SYSTEM AS SHOWN IN THE UFSAR, 01-29, REV. 16 (UNIT 1) AND REV 14 (UNIT 2,

93-B-012-096-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT:

OTHER REF: NONMOD93-055

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

THE ACTIVITY COVERED BY THIS 50.59 EVALUATION IS A DESIGN EVALUATION FOR THE SAFETY RELATED QUALIFICATION OF THE RAM'S HEAD PORTION OF THE

CONTROL DATE: 12/10/1993  
CONTROL TIME: 09:01

NORMS RECORDS MANAGEMENT SYSTEM  
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PROGRAM NAME: VP0401SE  
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RECORD ID      REV      REC STATUS      COMMENTS

SALTWATER SYSTEM. IN THE EVALUATION OF THE RAM'S HEAD QUALIFICATION, THE FOLLOWING CONSIDERATIONS WERE EXAMINED: GENERAL REQUIREMENTS OF THE SAFETY RELATED PRESSURE BOUNDARY, VALVE QUALIFICATIONS, PIPING QUALIFICATIONS, TURBINE GENERATED MISSILE CONCERNS, HIGH ENERGY LINE BREAK CONSIDERATIONS VEHICULAR IMPACT CONSIDERATIONS, IMPACT FROM FAILURE OF THE TURBINE BUILDING AND ITS STRUCTURAL MEMBERS.  
REASON: OF THE FOUR BUTTERFLY VALVES IN THE RAM'S HEAD TWO HAVE THEIR INTERNALS REMOVED AND THE OTHER TWO, 1(2)-SW-198 AND 1 (2)-SW-199, ARE DESIGNATED BY THE 1 LIST AS SR-PB, AS IS THE ASSOCIATED ABOVE GROUND SALTWATER SYSTEM PIPING ON THE 12 FOOT ELEVATION OF THE TURBINE BUILDING.

93-B-013-089-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 10/18/1993  
SUBJECT: PREVENT OVER PRESSURE CONDITIONS IN THE FIRE PROTECTION SYSTEM  
OTHER REF:  
CNTL REF: 92-0203  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

INSTALL A 6" CLA V A L PILOT OPERATED RELIEF VALVE, PIPING, FITTINGS, AND SUPPORTS ON THE MOTOR DRIVEN FIRE PUMP DISCHARGE PIPING.

REPLACE THE DIESEL DRIVEN FIRE PUMP DISCHARGE RELIEF VALVE WITH AN IDENTICAL CLA V A L PILOT OPERATED RELIEF VALVE AS USED FOR THE MOTOR DRIVEN FIRE PUMP.

INSTALL A 10" BUTTERFLY VALVE ON THE RELIEF VALVE RETURN HEADER TO THE PRETREATED WATER STORAGE TANKS.

TRIM THE FIRE PROTECTION SYSTEM BOOSTER PUMP IMPELLER TO REDUCE THE DISCHARGE PRESSURE.

AS APPLICABLE LOWER THE SETPOINTS OF THE RELIEF VALVES LOCATED ON THE FIRE PROTECTION SYSTEM ALARM CHECK VALVES AND THE MAIN FIRE PUMPS.

93-B-019-037-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 04/09/1993  
SUBJECT: ALLOW BYPASS OF LIMIT SWITCHES FOR SPENT FUEL HANDLING SO THAT FUEL CAN BE MOVED TO AND FROM NEW FUEL AND INSPECTION ELEVATORS.  
OTHER REF: 93-10T001-25A  
CNTL REF:

CONTROL DATE: 12/10/1993  
CONTROL TIME: 09:01

NORMS RECORDS MANAGEMENT SYSTEM  
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ASSOC REC:

93-B-024-007-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 01/27/1993  
SUBJECT: ISOLATE DG 11 FROM U2 ESFAS SIAS  
OTHER REF: 2-92-031  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY  
ISOLATE DG 11 FROM U2 ESFAS SIAS START USING JUMPERS ACROSS THE OUTPUT RELAY  
CONTACTS.

93-B-024-008-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 01/27/1993  
SUBJECT: ISOLATE EDG 12 FROM U2 ESFAS SIAS START  
OTHER REF: 2-92-032  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY  
ISOLATE EDG 12 FROM U2 ESFAS SIAS START AND ENGINE SHUTDOWN BYPASS USING  
JUMPERS ACROSS THE OUTPUT RELAY CONTACTS.

93-B-024-022-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 03/04/1993  
SUBJECT: REPLACEMENT OF LUBE OIL TEMPERATURE CONTROL ELEMENT  
OTHER REF: PCR93-1084  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:  
THE LUBE OIL CONTROL ELEMENT FOR THE EMERGENCY DIESEL GENERATOR LUBE OIL  
COOLER BYPASS VALVE IS BEING REPLACED WITH A NEW CONTROL ELEMENT WHICH HAS  
A LOWER OPERATING TEMPERATURE BAND. THE ORIGINAL ELEMENT OPERATED FROM  
190 - 205 F WHERE THE NEW ELEMENT OPERATES BETWEEN 170 - 195 F.

93-B-024-117-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 09/24/1993  
SUBJECT: MODIFICATION TO FUEL OIL TRANSFER SYSTEM.

CONTROL DATE: 12/10/1993  
CONTROL TIME: 09:01

NORMS RECORDS MANAGEMENT SYSTEM  
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RECORD ID      REV      REC STATUS      COMMENTS  
-----

OTHER REF:  
CNTL REF: 93-024-012-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS 50.59 SAFETY EVALUATION SUPPORTS MCR 93 024 012. THE MCR ADDRESSES A MODIFICATION TO THE FUEL OIL TRANSFER SYSTEM.

THIS MCR REPLACES SOLENOID OPERATED ISOLATION VALVES 0 SV 4814, 0 SV 4819 AND 0 SV 4824 WITH SPRING LOADED CHECK VALVES. THESE VALVES ARE LOCATED BETWEEN THE EMERGENCY DIESEL GENERATOR (EDG) FUEL OIL TRANSFER PUMPS AND THE FUEL OIL DAY TANKS. THE PRIMARY FUNCTION OF THESE VALVES IS TO PROVIDE ISOLATION OF THE FLOWPATH BETWEEN THE FUEL OIL STORAGE TANKS AND THE THREE FUEL OIL DAY TANKS.

93-B-028-088-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 10/13/1993  
SUBJECT: REPLACEMENT OF PNEUMATIC CONTROL SYSTEM WITH ELECTRONIC CONTROLS AND COMPONENTS FOR AUXILIARY STEAM SYSTEM

OTHER REF:  
CNTL REF: 92-0207  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS MODIFICATION INVOLVES THE REPLACEMENT OF THE PNEUMATIC CONTROL SYSTEM WITH ELECTRONIC CONTROLS AND COMPONENTS FOR THE AUXILIARY STEAM SYSTEM. THIS ACTIVITY INVOLVES THE INSTALLATION AND MOUNTING OF NEW TRANSMITTERS AND PROCESS SWITCHES; REPLACEMENT OF CONTROL PANELS, FUEL FLOW TRANSMITTERS, AND CONTROLLERS; AND ADDITION OF I/P CONVERTERS FOR THE AUXILIARY STEAM SYSTEM. PROCESS TUBING FROM THE NEW INSTRUMENTS TO PROCESS CONNECTIONS AND CABLES AND RACEWAYS FROM THE NEW INSTRUMENTS TO THE NEW CONTROL PANEL LOCATIONS WILL BE INSTALLED.

93-B-032-054-R00

38

RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT:  
OTHER REF:  
CNTL REF: 91-032-003-01  
ASSOC REC:

CONTROL DATE: 12/10/1993  
CONTROL TIME: 09:01

NORMS RECORDS MANAGEMENT SYSTEM  
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TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS 50.59 IS TO ALLOW THE INSTALLATION OF A PORT HOLE IN THE WALL OF 11 & 21 EMERGENCY CORE COOLING SYSTEM PUMP ROOM EXHAUST FILTER HOUSING.

REASON FOR ACTIVITY:

INSTALLATION OF THE PORT HOLE WILL ALLOW INSPECTION OF THE ROUGHING FILTERS WITHOUT OPENING THE DOOR OF THE HOUSING. THE AREA INSIDE THE HOUSING DOOR IS NORMALLY CONTAMINATED AND REQUIRES A KEY TO UNLOCK AND OPEN THE DOOR. IN ADDITION EACH TIME THE DOOR IS OPENED, TECHNICAL SPECIFICATION 3.7.7.1 IS ENTERED FOR AN INOPERABLE EXHAUST FILTER.

93-B-033-017-R00

38

RECORD TYPE: 50.59

RECORD DATE: 03/01/1993

SUBJECT: THIS 50.59 SAFETY EVALUATION SUPPORTS RDC 1R9201017.

OTHER REF: RDC1R9201017

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

THE RDC WAS WRITTEN TO ADD AS-BUILT INFORMATION TO THE COMPRESSED AIR, INSTRUMENT AIR, AND PLANT AIR DRAWING (SHEET 2 OF THE PIPING AND INSTRUMENTATION DIAGRAM.

PREVIOUSLY THE P&ID DEPICTED A MANUAL VALVE AND AIR FLOW ARROWS WHICH POINTED TO SEVERAL SOLENOID VALVES. THESE SOLENOID VALVES DIRECT AIR TO THE TURBINE BUILDING VENTILATION DAMPERS.

THE RDC ADDED A REGULATOR AND A RELIEF VALVE IN EACH LINE BETWEEN THE MANUAL VALVE AND THE SOLENOID VALVE. THIS AS-BUILT INFORMATION IS AN INTEGRAL PART OF THE COMPRESSED AIR, INSTRUMENT AIR, AND PLANT AIR SYSTEM. THE REGULATORS AND RELIEF VALVES ARE DOCUMENTED ON VENDOR SUPPLIED DRAWINGS. NOTE THAT THIS IS A DRAWING UPDATE ONLY, NO FIELD WORK IS BEING PERFORMED.

93-B-037-144-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: DEMINERALIZED WATER SUPPLY TO THE PLANT DURING REPAIR OF THE DEMINERALIZED WATER STORAGE TANK.

OTHER REF: TAMI-93-062

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY



CONTROL DATE: 12/10/1993  
CONTROL TIME: 09:01

NORMS RECORDS MANAGEMENT SYSTEM  
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THIS 50.59 SAFETY EVALUATION SUPPORTS TEMPORARY ALTERATION 1 93 062.  
PROVIDES A DEMINERALIZED WATER SUPPLY TO THE PLANT DURING REPAIR OF THE  
DEMINERALIZED WATER STORAGE TANK.

93-B-043-006-R00      38  
RECORD TYPE: 50.59  
RECORD DATE: 02/08/1993  
SUBJECT:  
OTHER REF:  
CNTL REF: 92-043-001-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS 50.59 SAFETY EVALUATION SUPPORTS MCR 92-043-001. THE MODIFICATION  
WILL INSTALL A DRAIN LINE IN THE CONDENSATE AIR REMOVAL (CAR) SYSTEM  
DISCHARGE HEADER. SPECIFICALLY THE DRAIN LINE WILL BE ATTACHED TO  
THE HEADER UPSTREAM OF THE SYSTEM RADIATION MONITOR.  
THE 1" DRAIN LINE, WHICH CONTAINS A LOOP SEAL, WILL BE DIRECTED TO THE  
AUXILIARY BUILDING GRAVITY DRAIN SYSTEM.

93-B-044-161-R00      38  
RECORD TYPE: 50.59  
RECORD DATE: 11/22/1993  
SUBJECT: REPLACE CONDENSATE PUMP MINIMUM FLOW CONTROL INSTRUMENTS  
OTHER REF:  
CNTL REF: 93-044-004-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

REPLACE CONDENSATE PUMP MINIMUM FLOW CONTROL INSTRUMENTS WITH SINGLE  
FLOW INDICATING CONTROLLER. UNLIKE THE EXISTING ANALOG CONTROLLER,  
THE REPLACEMENT CONTROLLER IS A MICROPROCESSOR BASED DIGITAL  
CONTROLLER. THE NEW CONTROLLER UTILIZES THE USER  
ENGINEERING FUNCTIONS RESIDENT IN A STANDARD MODEL TO MIMIC ALL  
HARDWARE FUNCTIONS CURRENTLY PERFORMED.

SEE PAGE 3 FOR LIST OF INSTRUMENTS TO BE REPLACED.

93-B-045-021-R00      38

CONTROL DATE: 12/10/1993  
CONTROL TIME: 09:01

NORMS RECORDS MANAGEMENT SYSTEM  
RECORDS RESULTS OF SEARCH REPORT  
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PROGRAM NAME: VP0401SE  
PAGE: 30

RECORD ID      REV      REC STATUS      COMMENTS

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: SEE PAGE 7

OTHER REF: ASTMA743-GR.CA6NM

CNTL REF: 93-045-004-00

ASSOC REC:

TEXT: TEXT TYPE:

CONTROL DOCUMENT APPROVES THE USE OF AN ALTERNATE IMPELLER MATERIAL FOR THE U1/U2 STEAM GENERATOR FEED PUMPS (SGFP). THE FEED PUMPS PROVIDE THE MOTIVE FORCE FOR TRANSFERRING FW FROM THE SUCTION OF THE PUMPS TO THE INLET OF THE STEAM GENERATORS. THE ALTERNATE IMPELLER MATERIAL IS DESIGNED FOR THIS APPLICATION AND WILL NOT CHANGE THE FUNCTION OR PERFORMANCE OF THE SGFP. UFSAR TABLE 10-1 LISTS THE CURRENT SGFP IMPELLER MATERIAL AND WILL BE UPDATED TO INCORPORATE THE NEW ALTERNATE IMPELLER MATERIAL.

93-B-053-079-R00

02

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT:

OTHER REF:

CNTL REF: 93-102-005-00

ASSOC REC:

TEXT: TEXT TYPE:

CONSTRUCT AND EXTENDED DETENTION POND ALONG THE BAY SHORELINE, ADJACENT TO THE EXISTING BARGE DOCK. THE PROPOSED DETENTION POND'S DEWATERING DEVICE WILL DRAIN INTO THE EXISTING DRAIN POND ON THE SOUTH SIDE OF THE BARGE ROAD WHICH LEADS TO THE CONCRETE DOCK. THIS 50.59 SAFETY EVALUATION IS REQUIRED BECAUSE THIS PROJECT WILL EFFECT THE SITE PLAN (UFSAR FIGURE 1-2. SEE ATTACHMENT #1 FOR A MARKUP OF THIS FIGURE SHOWING THE PROPOSED LOCATION OF THE DETENTION POND).

REASON: THERE HAS BEEN EXTENSIVE DEVELOPMENT IN THE AREA WHICH DRAINS DOWN THE BARGE ROAD. THIS AREA INCLUDES THE EASTERN HALF OF THE SWITCHYARD THE NUCLEAR SECURITY FACILITY, OTF, AND NEF. THE POF AND POSSIBLY A NEW WAREHOUSE ARE ALSO PLANNED FOR INSIDE THIS DRAINAGE AREA. THIS INCREASE IN DEVELOPMENT HAS REMOVED MUCH OF THE VEGETATION WHICH FILTERS OUT POLLUTANT THE PROPOSED DETENTION POND WILL MINIMIZE THE POLLUTION TO THE CHESAPEAKE BAY DUE TO RUNOFF FROM THIS DRAINAGE AREA. THE CURRENT CONFIGURATION IS INADEQUATE PER THE CURRENT POLLUTION STANDARDS FOR BAY CRITICAL AREAS.

93-B-062-048-R00

38

RECORD TYPE: 50.59

RECORD DATE: 06/30/1993

SUBJECT: REVISE UFSAR

OTHER REF:

CNTL REF: 90-0136

CONTROL DATE: 12/10/1993  
CONTROL TIME: 09:01

NORMS RECORDS MANAGEMENT SYSTEM  
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RECORD ID      REV      REC STATUS      COMMENTS

#      ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

REVISE UFSAR FIGURES 9 - 25B AND 10 - 11A.

93-B-062-100-R00

38

RECORD TYPE: 50.59

RECORD DATE: 11/10/1993

SUBJECT: INSTALL MAIN CONTROL ROOM ENCLOSED RACEWAYS FOR NEW EMERGENCY DIESEL GENERATOR.

OTHER REF:

CNTL REF: 89-0079

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY INSTALLS MAIN CONTROL ROOM (MCR) ENCLOSED RACEWAYS FOR THE NEW EMERGENCY DIESEL GENERATOR (DG 1A) AND THE STATION BLACKOUT (SBO) DIESEL GENERATOR (DG 0C).

93-B-064-003-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: DELETES PUMP INFORMATION FROM THE UFSAR

OTHER REF:

CNTL REF: 92-064-028-00

ASSOC REC:

TEXT: TEXT TYPE:

THIS 50.59 DELETES OUT DATED AND UNNECESSARY PUMP MATERIAL INFORMATION FROM THE UFSAR. TABLE 4-5 LISTS RCP DESIGN INFORMATION AND INCLUDES THE MATERIALS SPECIFICATIONS FOR FIVE SELECTED PARTS OF THE PUMP; THESE PARTS AND THEIR MATERIAL SPECIFICATIONS ARE DELETED FROM THE UFSAR

CONTROL DATE: 12/10/1993  
CONTROL TIME: 09:01

NORMS RECORDS MANAGEMENT SYSTEM  
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93-B-064-035-R00      38  
RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT:  
OTHER REF:  
CNTL REF: 93-064-007-00  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY: REPLACE THE PRESSURIZER LEVEL CONTROLLERS 1 (2) LIC 110 X  
Y.  
REASON FOR ACTIVITY: THE CURRENT F & P MODEL 53 3 G 3000 SERIES CONTROLLER  
ARE OBSOLETE AND BECOMING DIFFICULT TO MAINTAIN.

93-B-067-008-R00      38  
RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT:  
OTHER REF: 2-92-032  
CNTL REF:  
ASSOC REC:

93-B-067-009-R00      38  
RECORD TYPE: 50.59  
RECORD DATE: 02/10/1993  
SUBJECT: DRAIN VALVES  
OTHER REF: 0-SFP-135      0-SFFP-183      0-SFP-173      0-SFP-181  
CNTL REF: 93-067-002-00  
ASSOC REC:  
TEXT: TEXT TYPE:  
THIS MCR ALLOWS THE 1" DRAIN VALVE TO BE RELOCATED. THESE SAFETY RELATED  
DRAIN VALVES ARE TO BE RELOCATED SUCH THAT THE VALVES ARE AS CLOSE TO THE  
8" SPENT FUEL POOL COOLING HEADERS AS POSSIBLE. THESE 8" HEADERS TAKE  
SUCTION FROM THE REFUELING POOL.

93-B-067-013-R00      38  
RECORD TYPE: 50.59  
RECORD DATE:

CONTROL DATE: 12/10/1993  
CONTROL TIME: 09:01

NORMS RECORDS MANAGEMENT SYSTEM  
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PROGRAM NAME: VP0401SE  
PAGE: 33

RECORD ID      REV      REC STATUS      COMMENTS

SUBJECT: THE PURPOSE OF THIS TEMPORARY ALTERATION IS TO EVALUATE THE  
INSTALLATION OF TEMPORARY FREEZE SEALS EITHER INDIVIDUALLY, AS A GROUP  
OTHER REF: 0-SFP-128      0-SFP-127      1-93-3

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

OR ANY COMBINATION THERE OF, IN THREE POSSIBLE LOCATIONS ON SPENT FUEL POOL  
COOLING WATER PIPING TO PERMIT MAINTENANCE. THE 4" IN-LINE ISOLATION  
VALVES REQUIRE MAINTENANCE/REPLACEMENT BUT NO MEANS FOR ISOLATION EXISTS WITH  
THE SPENT FUEL POOL COOLING SYSTEM IN SERVICE.

93-B-067-030-R00      38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT:

OTHER REF: FCRN90-124

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

THE SPENT FUEL POOL COOLING AND PURIFICATION SYSTEM REMOVES  
DECAY HEAT GENERATED BY THE SPENT FUEL STORED IN THE POOL, PROVIDING  
FOR THE SAFE STORAGE OF THE FUEL. THIS SYSTEM ASSURES THAT THE LIMITS  
IN 10CFR100 ARE NOT EXCEEDED DURING ASSUMED ACCIDENT CONDITIONS.  
SECONDARY FUNCTIONS ARE TO PROVIDE COOLING FOR THE REFUELING POOLS  
AND TO MAINTAIN THE CLARITY AND PURITY OF THE SPENT FUEL POOL WATER  
WITH A FILTER AND DEMINERALIZER. THIS SYSTEM FUNCTIONS AS A SAFETY  
RELATED PRESSURE BOUNDARY FOR THE BORATED WATER.

93-B-070-128-R00      38

RECORD TYPE: 50.59

RECORD DATE: 09/30/1993

SUBJECT: INSTALLATION OF A PERMANENT REACTOR CAVITY POOL SEAL / NEUTRON SHIELD

OTHER REF:

CNTL REF: 86-0003

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THE ACTIVITY COVERED BY THIS 50.59 EVALUATION IS THE INSTALLATION OF A  
PERMANENT REACTOR CAVITY POOL SEAL / NEUTRON SHIELD ASSEMBLY IN THE REACTOR  
CAVITY ANNULUS IN THE CONTAINMENT.

93-B-076-036-R00      38



CONTROL DATE: 12/10/1993  
CONTROL TIME: 09:01

NORMS RECORDS MANAGEMENT SYSTEM  
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RECORD TYPE: 50.59

RECORD DATE:

SUBJECT:

OTHER REF:

CNTL REF: 92-076-005-00

ASSOC REC:

TEXT: TEXT TYPE:

MCR NO. 92-076-005-00 IS APPLICABLE TO THE TURBINE PLANT SAMPLING SYSTEM (TPSS) AS SHOWN ON UFSAR FIGURE 9-11 (P&ID NO. M-67). THE MCR WILL INSTALL A NEW ISOTHERMAL BATH AND TEMPERATURE CONTROL SYSTEM AT EACH UNIT 1 AND 2 TPSS SAMPLE CABINET. THIS 50.59 EVALUATION IS BEING PROVIDED TO ADDRESS THE CHANGES TO BE MADE TO THE UFSAR FIGURE AS A RESULT OF THE MODIFICATIONS TO BE PERFORMED UNDER THE MCR.

REASON: THE PURPOSE OF MCR 92-076-005-00 FOR EACH UNIT IS TO IMPROVE THE HEAT REMOVAL CAPABILITY OF THE ISOTHERMAL BATH AND TO PROVIDE A MORE ACCURATE MEANS OF CONTROLLING THE BATH WATER TEMPERATURE. THIS 50.59 SAFETY EVALUATION PROVIDES JUSTIFICATION FOR REVISING UFSAR FIGURE 9-11 (P&ID NO. M-67) IN ORDER TO REFLECT THE CHANGES TO BE MADE UNDER THE MCR.

93-B-078-044-R00

02

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT:

OTHER REF:

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY: THIS ACTIVITY IS TO DELETE A PORTION OF THE FOLLOWING SENTENCE IN SECTION 7 5 2 5 OF THE UFSAR WHICH DESCRIBES THE POWER RANGE SAFETY CHANNELS. THE SECOND PARAGRAPH ON PAGE 7 64 READS: "THE 0 1 TO 125 PERCENT FULL SCALE SIGNAL IS ALSO FED TO A CEA DROP DETECTION CIRCUIT WHICH COMPARES THE PRESENT VALUE OF THE SIGNAL WITH THE TIME DELAYED (5 TO 15 SECONDS) SIGNAL LEVEL THIS NON MOD WILL DELETE "(5 TO 15 SECONDS)" FROM THE SENTENCE.

REASONS FOR ACTIVITY: THERE ARE TWO REASONS FOR ALTERING THIS SENTENCE. FIRST IS THAT THE SETPOINT RANGE IS NOT CORRECT; THE ACTUAL SETPOINT SPAN IS 0 5 TO 25 SECONDS. SECOND IS THAT THE TIME CONSTANT IS SET AT 4 SECONDS WHICH IS OUT OF THE MENTIONED RANGE BUT IS AN ORIGINAL DESIGN VALUE. CHANGING THE VALUES IN THE SENTENCE WAS CONSIDERED, HOWEVER, THERE IS NO REASON TO PROVIDE THE RANGE OF AVAILABLE OR ACCEPTABLE TIME DELAY IN THIS TEXT

CONTROL DATE: 12/10/1993  
CONTROL TIME: 09:01

NORMS RECORDS MANAGEMENT SYSTEM  
RECORDS RESULTS OF SEARCH REPORT  
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93-B-101-127-R00      38  
RECORD TYPE: 50.59  
RECORD DATE: 09/29/1993  
SUBJECT:  
OTHER REF:  
CNTL REF: 93-101-001-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

MCR 93 101 001 00 INSTALLS NSR EQUIPMENT ASSOCIATED WITH THE  
INDEPENDENT SPENT FUEL STORAGE INSTALLATION (ISFSI) ON THE 69' LEVEL  
OF THE AUXILIARY BUILDING, NEAR THE SPENT FUEL POOL (SFP) AREA.  
THE MOUNTING OF THIS EQUIPMENT WILL BE DESIGNED TO RESIST ALL  
PLANT POSTULATED LOADS DUE TO A SEISMIC EVENT. THIS WILL ENSURE  
THAT THIS EQUIPMENT DOES NOT POSE A RISK TO OTHER SAFETY RELATED  
SYSTEMS IN ITS VICINITY.

THE EQUIPMENT IS NEEDED FOR CASK CLOSURE OPERATION DURING THE TRANSFER  
OF SPENT FUEL FROM THE AUXILIARY BUILDING TO THE ISFSI.  
THIS EQUIPMENT INCLUDES:

- THE REMOTE WELDING SYSTEM CONTROL PANEL AND ITS HOUSING.
- THE DI METRICS POWER SUPPLY MACHINE.
- THE VACUUM DRYING SYSTEM
- A LEAK DETECTING MACHINE
- GAS BOTTLES (2 ARGON AND 2 HELIUM).

93-B-102-106-R00      38  
RECORD TYPE: 50.59  
RECORD DATE: 11/01/1993  
SUBJECT: CONTRACTOR SHOP FACILITY

CONTROL DATE: 12/10/1993  
CONTROL TIME: 09:01

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OTHER REF:  
CNTL REF: 91-102-020-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THE NEW CONTRACTOR SHOP FACILITY IS A PERMANENT TWO STORY BUTLER BUILDING ADDED WITHIN THE OWNER CONTROLLED AREA AT CCNPP. THE BUILDING IS SPECIFICALLY LOCATED SOUTH OF THE DOMESTIC WATER TREATMENT PLANT ON THE EAST SIDE OF ROAD G, JUST ACROSS FROM THE MATERIAL PROCESSING FACILITY. NO SYSTEM OR EQUIPMENT IMPORTANT TO SAFETY ARE ASSOCIATED WITH THE SHOP.

MINOR MODIFICATION 91 102 020 00 DOCUMENTS THE MODIFICATION TO THE FACILITIES SIDE FIRE PROTECTION SYSTEM TO PROVIDE FIRE PROTECTION SUPPRESSION FOR THE NEW CONTRACTOR SHOP FACILITY. THIS ACTIVITY INVOLVES EXTENDING THE EXISTING 6" DIAMETER FIRE LINE FOR FIRE HYDRANT NUMBER 19 THAT IS SUPPLIED FROM 10" DIAMETER UNDERGROUND FIRE MAIN THAT SERVICES THE NOF / NEF / OTF / NSF COMPLEX LOOP FROM FIRE PUMP NUMBER 2. THE EXTENDED 6" UNDERGROUND FIRE LINE RUNS UNDER THE ROAD TO SUPPLY THE RISER AND THE NEW SPRINKLER SYSTEM FOR THE SHOP. THIS ACTIVITY ALSO INVOLVES SLIGHT RELOCATION OF EXISTING FIRE HYDRANT NUMBER 19 AS WELL AS ASSOCIATED HOSE STATION.

ALL ACTIVITIES ASSOCIATED WITH THIS MODIFICATION TAKE PLACE OUTSIDE THE PROTECTED AREA, BUT INSIDE THE OWNER CONTROLLED AREA. THIS ACTIVITY WILL NOT ADVERSELY AFFECT THE PERFORMANCE OF THE FACILITIES SIDE FIRE PROTECTION SYSTEM. THERE IS NO AFFECT ON THE PLANT SIDE FIRE PROTECTION SYSTEM, PLANT OPERATION OR PLANT SAFETY.

IT SHOULD BE NOTED THAT THE FIRE PROTECTION SYSTEMS, BOTH INSIDE AND OUTSIDE THE PROTECTED AREA, ARE NON SAFETY RELATED.

93-B-190-158-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 11/22/1993  
SUBJECT: MCR 91 190 016 00  
OTHER REF:  
CNTL REF: 91-190-016-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THE SUBJECT MCR MAKES SEVERAL CHANGES TO THE FACILITY. THE PORTION OF THE MCR THAT REQUIRES A SAFETY EVALUATION IS THE REVISION OF THE

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UFSAR FIGURE 6 - 1 TO SHOW THE EXISTING DIAPHRAGM SEAL FOR 1 PI 4164.

MM 90 01 993 REPLACES THE SUBJECT INSTRUMENT DUE TO A RANGE CHANGE.  
THE REPLACEMENT INSTRUMENT IS TO BE PURCHASED COMMERCIAL GRADE  
AND DEDICATION TESTING IS PROVIDED TO UPGRADE IT TO SR - PB SERVICE.

93-B-999-004-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: INCORPORATE CHANGE NUMBER 2 TO CCI 175

OTHER REF:

CNTL REF: CCI-175

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

INCORPORATE CHANGE NUMBER 2 TO CCI 175 "CONTROL OF RADIO TRANSMITTERS" TO  
ALLOW THE USE OF APPROVED PORTABLE RADIO TRANSMITTERS INSIDE CONTAINMENT  
WITH SHIFT SUPERVISOR'S PERMISSION.

93-B-999-011-R00

02

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT:

OTHER REF:

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY: JUSTIFICATION FOR THE REMOVAL OF ALL COMMITMENTS IN THE  
SAR THAT REQUIRE CCNPP TO MAINTAIN MOBILE ONSITE LABORATORIES, CAPABLE OF  
ANALYZING POST ACCIDENT SAMPLES IN THE EVENT OF A DESIGN BASIS LOSS OF  
COOLANT ACCIDENT (LOCA) DURING A LOSS OF OFFSITE POWER.

REASON FOR ACTIVITY: IT IS POSSIBLE TO PERFORM ALL CHEMICAL ANALYSES  
REQUIRED BY NUREG 0737, DURING THE POSTULATED LOCA, IN THE CURRENT 69'  
CHEMISTRY LABORATORY LOCATED IN THE AUXILIARY BUILDING.

93-B-999-015-R00

38

RECORD TYPE: 50.59

RECORD DATE: 03/22/1993

SUBJECT: THIS ACTIVITY IS THE ADDITION OF AN INTERIM RESIN STORAGE FACILITY IN  
THE EXISTING FENCED IN AREA ADJACENT TO THE DIESEL LAYDOWN AREA

OTHER REF:

CNTL REF: 91-0301

ASSOC REC:

TEXT: TEXT TYPE:

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PROPOSED ACTIVITY:

THIS ACTIVITY IS THE ADDITION OF AN INTERIM RESIN STORAGE FACILITY IN THE EXISTING FENCED IN AREA ADJACENT TO THE DIESEL LAYDOWN AREA IN THE LAKE DAVIES AREA. THE WASTE MATERIALS TO BE STORED IN THIS SITE CONSIST OF DEWATERED SPENT RESINS AND FILTERS, AND THE PERIOD OF STORAGE IS A MAXIMUM OF FIVE YEARS UNLESS AUTHORIZATION TO EXCEED THE FIVE YEAR PERIOD IS GRANTED.

93-0-013-116-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 10/06/1993  
SUBJECT: INSTALL T CONNECTION  
OTHER REF:  
CNTL REF: 93-013-002-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

PRESENTLY, THERE IS NO MEANS TO FUNCTIONALLY TEST TEN FIRE PROTECTION FOAM SYSTEM WITHOUT CONTAMINATING THE FUEL OIL STORAGE TANKS. THE PIPE / VALVE ASSEMBLY PROPOSED WILL CONSIST OF THE INSTALLATION OF A "T" CONNECTION

93-012-029-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 04/14/1993  
SUBJECT: SEE PAGE 7  
OTHER REF:  
CNTL REF: 91-0302      85-0099  
ASSOC REC:  
TEXT: TEXT TYPE:

THE PROPOSED ACTIVITY IS THE REPLACEMENT OF THE SALTWATER PIPING FROM SALTWATER HEADERS 21 AND 22 TO THE CIRCULATING WATER (CW) PUMP BEARINGS, LOCATED IN THE INTAKE STRUCTURE (CW PUMP SEAL WATER SYSTEM). THE EXISTING CW PUMP SEAL WATER SYSTEM IS SARAN LINED, CARBON STEEL PIPING WITH CORROSION RESISTANT COPPER NICKEL PIPING. THE EXISTING RELIEF VALVES, PRESSURE CONTROL VALVES, AND INSTRUMENT TUBING ARE BEING ELIMINATED TO MINIMIZE CLOGGING PROBLEMS ASSOCIATED WITH THE CURRENT DESIGN.

93-1-009-042-R00

38

RECORD TYPE: 50.59  
RECORD DATE:



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SUBJECT:  
OTHER REF: 91-0258  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:

THE PROPOSED ACTIVITY IS THE RIGGING AND REMOVAL OF THE SPARED IN PLACE INTAKE STRUCTURE AIR COOLERS AND ASSOCIATED PIPING AND INSTRUMENTATION AND MODIFICATION OF THE AIR COOLER SUPPORT FRAMES TO MAINTAIN RESTRAINTS FOR MISCELLANEOUS ELECTRICAL RACEWAYS. THE AIR COOLERS WERE SPARED IN PLACE UNDER FCR 85-0099 (50.59 EVALUATION LOG NO. 90 B 009 095 R1) AFTER THE EXISTING INTAKE STRUCTURE COOLING SYSTEM (USING SALTWATER AS THE COOLING MEDIUM) WAS REPLACED WITH A NEW, ALL-AIR COOLING SYSTEM. THE SPARED IN PLACE COOLERS ARE BEING REMOVED DURING POWER OPERATIONS USING THE EQUIVALENT OF SINGLE FAILURE RIGGING.

93-1-019-153-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 11/10/1993  
SUBJECT: COMPRESSED AIR SYSTEM  
OTHER REF: TAN1-93-059  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:

FUNCTION OF AFFECTED S S C:

THE COMPRESSED AIR SYSTEM IS DESIGNED TO PROVIDE A RELIABLE SUPPLY OF DRY OIL FREE AIR FOR THE PNEUMATIC INSTRUMENTS AND CONTROLS AND THE PNEUMATICALLY OPERATED SYSTEM OF CONTAINMENT ISOLATION VALVES. THE SYSTEM ALSO SATISFIES THE NECESSARY AIR REQUIREMENTS FOR THE PA SYSTEM FOR NORMAL PLANT OPERATION AND MAINTENANCE. THE DESIGN OF THE SYSTEM IS BASED ON AN ESTIMATED IA REQUIREMENT OF 260 SCFM AND AN ESTIMATED PA REQUIREMENT OF 600 SCFM FOR EACH UNIT.

93-1-044-041-R0

38

RECORD TYPE: 50.59  
RECORD DATE:  
SUBJECT:  
OTHER REF:  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:

PRESENTLY, THE #11 CONDENSATE PUMP SEAL WATER SUPPLY IN LINE RELIEF VALVE (1-RV-4415) IS CONTINUALLY LIFTING, THEREBY, DUMPING CONDENSATE WATER TO A LOCAL FLOOR DRAIN. THE ROOT CAUSE HAS BEEN ATTRIBUTED TO

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THE REMOVAL OF THE CONDENSATE PUMP'S STUFFING BOX CAGE RING DURING RECENT PUMP MAINTENANCE ACTIVITIES. THE REMOVAL OF THE CAGE RING HAS CAUSED THE PUMP DISCHARGE WATER TO FLOW UP THE PUMP SHAFT THROUGH THE MECHANICAL SEAL AND PRESSURIZE THE SEAL WATER SUPPLY LINE PIPING UP TO APPROXIMATELY 45 PSIG. THE IN LINE RELIEF VALVE (1-RV-4415) IS SET TO RELIEVE AT 20 + 2 PSIG.

93-1-046-020-R00      38  
RECORD TYPE: 50.59  
RECORD DATE: 06/30/1993  
SUBJECT:  
OTHER REF:  
CNTL REF: 92-083-038-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THE SCOPE OF THIS MCR IS TO REMOVE THE EXISTING TUBING, ROOT VALVE, INSTRUMENT ISOLATION VALVE AND ASSOCIATED SUPPORTS FOR 1 SX 1415, 1 SX 1442, 1 SX 1444, AND 1 PP 1518. ALSO THE CONNECTION WILL BE PLUGGED AT THE OUTLET OF HALF COUPLING ON THE LARGE BORE PIPE WITH AN OPTION TO REMOVE DURING THE NEXT PIPE REPLACEMENT.

93-1-064-002-R00      38  
RECORD TYPE: 50.59  
RECORD DATE: 01/06/1993  
SUBJECT: DISABLES HANGING ALARM ON 11A RCP  
OTHER REF:  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:  
PROPOSED ACTIVITY:

THIS ACTIVITY DISABLES THE HANGING ALARM ON THE 11A RCP AUXILIARIES STATUS PANEL UNTIL REPAIRS CAN BE MADE TO THE 11A RCP MOTOR UPPER AND LOWER OIL POT LEVEL TRANSMITTERS.

93-1-083B-040-R00      38  
RECORD TYPE: 50.59  
RECORD DATE: 04/28/1993  
SUBJECT: RDC 1R9300121  
OTHER REF: RDC1R9300121  
CNTL REF:

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ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS 50.59 SAFETY EVALUATION SUPPORTS RDC 1R9300121. THE RDC WAS WRITTEN TO ADD AS-BUILT INFORMATION TO UNIT 1 CONDENSATE SYSTEM DRAWING (SHEET 1 OF THE PIPING AND INSTRUMENTATION DIAGRAM (P&ID) UFSAR FIGURE 10-4).

RDC 1R9300121 ADDED AN AS-BUILT VENT LINE TO THE STRESS GENERATOR BLOWDOWN AND RECOVERY SYSTEM PIPING PRIOR TO ENTERING THE CONDENSOR WATER BOX.

93-1-098-139-R00      38  
RECORD TYPE: 50.59  
RECORD DATE: 10/06/1993  
SUBJECT:  
OTHER REF:  
CNTL REF: 91-098-003-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS SAFETY EVALUATION SUPPORTS MCR 91 098 003 00 WHICH ADDRESSES THE EXTENSION OF VENT PIPING DOWNSTREAM OF AN EXISTING, NORMALLY CLOSED VENT VALVE ON UNIT 1 EXCITER AIR COOLER. THE VENT IS PART OF THE GENERAL ELECTRIC SUPPLIED EXCITER AIR COOLER. THE COOLER IS CONNECT TO THE SERVICE WATER SYSTEM AND THE VENT IS USED TO REMOVE ENTRAPPED AIR / GAS.

93-2-012-069-R00      38  
RECORD TYPE: 50.59  
RECORD DATE: 06/30/1993  
SUBJECT: REMOVES PRESSURE INDICATORS  
OTHER REF:  
CNTL REF: 93-012-005-00  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS ACTIVITY REMOVES PRESSURE INDICATORS, 2-PI-5210A AND 2-PI-5212A FROM THE SALT WATER SYSTEM. THE INDICATORS MEASURE SALT WATER PRESSURE

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9      AT THE OUTLET OF THE 21 AND 22 SRW HEAT EXCHANGERS, OFF OF AN  
EXISTING VENT LINE.

93-2-015-010-R00

38

RECORD TYPE: 50.59

RECORD DATE: 02/22/1993

SUBJECT: REPLACEMENT OF HAND VALVE LOCATED IN THE COMPONENT COOLING WATER SYS

OTHER REF:

CNTL REF: 92-015-008-00

ASSOC REC:

TEXT: TEXT TYPE:

THE PROPOSED ACTIVITY IS THE REPLACEMENT OF HAND VALVE LOCATED  
IN THE CCW SYSTEM ON THE CROSS CONNECT DOWNSTREAM OF THE CCW HEAT EXCHANGERS.  
THE EXISTING 16" CAST IRON PRATT BUTTERFLY VALVE IS BEING REPLACED WITH A 16"  
CAST STEEL BUTTERFLY VALVE WITH A MANUAL OPERATOR.

93-2-042-001-R00

38

RECORD TYPE: 50.59

RECORD DATE: 01/11/1993

SUBJECT: TEMPORARY CONNECTION TO CIRCULATING WATER PUMPS SEAL WATER SYSTEM

OTHER REF: 2-92-062

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THE PROPOSED ACTIVITY PROVIDES A TEMPORARY CONNECTION TO THE CIRCULATING  
WATER PUMPS SEAL WATER SYSTEM FROM THE PLANT WATER SYSTEM. THE CONNECTION  
FOR THE PLANT WATER SYSTEM IS LOCATED IN THE INTAKE STRUCTURE.

93-2-052-162-R00

38

RECORD TYPE: 50.59

RECORD DATE: 11/16/1993

SUBJECT: REPLACE A PORTION OF THE HIGH PRESSURE SAFETY INJECTION PUMP #23.

OTHER REF:

CNTL REF: 93-052-019-00

ASSOC REC:

TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THIS MCR ACTIVITY PROVIDES FOR REPLACING A PORTION OF THE  
HIGH PRESSURE SAFETY INJECTION (HPSI) PUMP #23 CASING DRAIN PIPE  
(3/4" GC-3 PIPE) WITH TUBING AND FITTINGS. THE 3/4" THREADED

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DRAIN OPENING IN THE HPSI PUMP CASING WILL BE MATED TO A THREADED  
TUBE END ADAPTER AND COMPRESSION UNION ELBOW SUCH THAT THE CONNECTION  
CAN BE MORE EASILY TIGHTENED AND THE LEAKAGE PROBLEMS WITH THE  
EXISTING PIPE AND UNION CONFIGURATION CAN BE CORRECTED / ELIMINATED.  
THE SUBJECT MCR WILL MODIFY THE PRESSURE OF HPSI PUMP #23.  
THE CHANGE WILL REMOVE A PORTION OF THE EXISTING DRAIN PIPE AND  
IN EFFECT, THE SAFETY RELATED PRESSURE BOUNDARY FUNCTION FOR THIS  
DRAIN LINE WILL BE FULFILLED BY THE NEW SAFETY RELATED TUBING / FITTINGS  
AND THE REMAINING DOWNSTREAM PIPING AND NORMALLY CLOSED  
DRAIN LINE ISOLATION VALVE, 2 - SI - 437. THE FUNCTION AND  
PERFORMANCE OF THE HPSI PUMP WILL NOT BE AFFECTED BY THE  
SUBJECT MCR ACTIVITY BEING IMPLEMENTED TO CORRECT THE CASING  
DRAIN CONNECTION LEAKAGE PROBLEM.

93-2-058-138-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 09/25/1993  
SUBJECT: SLIDING LINKS IN CONTROL ROOM CABINET  
OTHER REF: TAN2-93-065  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

THE SLIDING LINKS IN CONTROL ROOM CABINET 2C25D, TERMINAL BLOCK  
W, TERMINALS 11 AND 12 WILL BE FASTENED OPEN AND A JUMPER WILL BE  
INSTALLED ACROSS THE INPUT TO THE RPS CHANNEL D TH / LP CALCULATOR TO  
ENSURE A ZERO VOLTAGE INPUT. THIS ACTIVITY WILL REMOVE THE  
VOLTAGE INPUT FROM 2 TT 122 CD TO RPS CHANNEL D TH / LP CALCULATOR.

93-2-066-027-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 03/19/1993  
SUBJECT: DISCONNECT THE 21 CAVITY COOLING FAN MOTOR TO PROVIDE A SOURCE OF  
TEMPORARY OUTAGE POWER  
OTHER REF: TAN2-93-023  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

DISCONNECT THE 21 CAVITY COOLING FAN MOTOR TO PROVIDE A SOURCE OF  
TEMPORARY OUTAGE POWER.



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02

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT:

OTHER REF: 1R9300104

1R9300105

1R9300106

CNTL REF:

ASSOC REC:

TEXT: TEXT TYPE:

BG&E DRAWINGS 62-226-E, 62-701-E, AND FSK-MP-3249 ARE BEING UPDATED (VIA RDCS 1R9300104, 1R9300105, 1R9300106, RESPECTIVELY) TO DISPLAY THE AS BUILT CONFIGURATION OF 22 AND 24 MOISTURE SEPARATOR/REHEATER MSR SECOND STAGE VENT LINES 2"-EB-4-2021 AND 2"-EB-4-2025. THE SUBJECT VENT LINES ARE SHOWN ON THESE DRAWINGS TO HAVE A 2 1/2" X 2" REDUCER INSTALLED AT OR NEAR THE CONNECTION TO THE 16" LOW PRESSURE FEEDWATER HEATER HEADER LINES 16"-GB-2-2004 FOR THE #22 MSR AND 16"-GB-2-2002 FOR THE #24 MSR VENT. THE SUBJECT VENT LINES DO NOT HAVE A REDUCER, AND, IN FACT, ARE 2" NOMINAL DIAMETER ALL THE WAY TO THE 16" HEADER.

REASON: REQUIRED BECAUSE THE CHANGE TO THE SYSTEM P&ID (BG&E DRAWING 62-226-E) TO SHOW THE AS BUILT CONDITION OF THE SUBJECT VENT LINES RESULTS IN A CHANGE TO UFSAR FIGURE 10-10A. THERE ARE NO FURTHER CHANGES OR IMPACT TO THE SAR.

93-2-084-005-R00

38

RECORD TYPE: 50.59

RECORD DATE:

SUBJECT: REPLACE 2 REACTOR VESSEL LEVEL MONITORING SYSTEMS IN U2

OTHER REF: 909-B-064-150-R0

CNTL REF: 90-0110

92-084-004-00

ASSOC REC:

TEXT: TEXT TYPE:

THE PROPOSED ACTIVITY IS TO REPLACE THE TWO REACTOR VESSEL LEVEL MONITORING SYSTEM (RVLMS) PROBES IN UNIT 2 WITH EQUIVALENT REPLACEMENT PROBES. THIS ACTIVITY REQUIRES CONCURRENT WIRING MODIFICATIONS TO THE UNIT 2 CONTROL BOARD DISPLAYS TO RESTORE THE TWO RVLMS CHANNELS TO THE ORIGINAL DESIGN CONFIGURATION. AN R SAR CHANGE IS REQUIRED IN LIGHT OF CHANGES TO THE UNIT

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			2 P&ID (UFSAR FIGURE 4-17) TO REFLECT THE RESTORED ORIGINAL CONFIGURATION OF THE TWO UNIT 2 CHANNELS. THE UFSAR DISCUSSION ON RVLMS IN SECTION 7.5.9.2 IS ALSO REVISED TO INCLUDE THE LIQUID LEVEL PROBE AS EQUIVALENT AND INTERCHANGEABLE WITH THE HJTC PROBE CURRENTLY IN USE.
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93-2-093-060-R00

38

RECORD TYPE: 50.59  
RECORD DATE: 06/17/1993  
SUBJECT: NON MOD 93-018  
OTHER REF: NON-MOD93-018  
CNTL REF:  
ASSOC REC:  
TEXT: TEXT TYPE:

PROPOSED ACTIVITY:

PROVIDES CONSISTENCY IN THE METHODOLOGY USED FOR EVALUATING DAMAGE DUE TO LOW TRAJECTORY TURBINE MISSILES IN UFSAR CHAPTER 5 AND 14.

UPDATES THE PROBABILITY OF A TURBINE MISSILE STRIKING SAFETY RELATED EQUIPMENT TO INCLUDE ALL SAFETY RELATED EQUIPMENT IDENTIFIED AS POSSIBLE TURBINE MISSILE TARGETS AND RE- CALCULATES THE LOW TRAJECTORY TURBINE MISSILE HAZARD RATE; AND

UPDATES THE HIGH TRAJECTORY TURBINE MISSILE PENETRATION DEPTH IN CHAPTER 14.0 TO REFLECT THE SET OF TURBINE MISSILE CHARACTERISTICS GIVEN IN CHAPTER 5.

NUMBER OF RECORDS THAT SATISFIED THE SELECTED CRITERIA:

107

RECORD ID

91-B-999-144-R0

CNTL REF: 91-3001

PROPOSED ACTIVITY:

This activity determined the effects on the containment and containment equipment of several modified inputs and assumptions in containment pressure and temperature response calculations performed by Bechtel and Combustion Engineering (CE). Specifically, the goals were to:

1. Show that the maximum design pressure (50 psig) for the containment structure was not exceeded; and
2. determine the effects of a higher containment vapor temperature (285°F) on the containment structure, mechanical systems, structures and components (SSCs) and on the environmental qualification of 10 CFR 50.49 components.

In the Bechtel and CE calculations, changes were made relative to three engineered safety features (ESF) responsible for accident mitigation function during a design basis accident (DBA) in containment. A fourth change was included to accommodate a potential increase in bay water temperature. All four changes resulted in more conservative calculation inputs.

The hot-leg LOCA case uses input data consistent with the UFSAR input data for heat sinks and ESF actuation times. These input data are also consistent with those used in the MSLB and cold-leg LOCA cases.

The reanalyses found that the peak containment pressure and vapor temperature for the cold-leg LOCA and MSLB will not exceed UFSAR or Technical Specification limits. The analyses also found that containment pressure during a hot-leg LOCA will not exceed UFSAR or Technical Specification limits. For environmental qualification, the re-analyses determined that the containment vapor temperature during a hot-leg LOCA would reach 285°F, or 11°F higher than the peak value presently reported in the UFSAR. This peak vapor temperature will increase above the UFSAR limit of 274°F for approximately 40 seconds. For the hot-leg LOCA UFSAR case-of-record, the reanalysis shows a peak pressure of 46.8 psig.

FCR 91-3003-1

CNTL REF: 91-3003-1

PROPOSED ACTIVITY:

FCR 91-3003-1 supplements FCR 91-3003 (Unit 1 Cycle 11 Reload Design Report) by increasing the Unit 1 Cycle 10 length assumed in the Unit 1 Cycle 11 licensing analyses from 20 500 to 21 500 MWD/T. The increase in length changed some of the physics data presented in the "Nuclear Design" section (Section 5) of the Unit 1 Cycle 11 Reload Report, but the physics data used in the Unit 1 Cycle 11 licensing analyses bound the new physics data. No mechanical changes to the fuel are proposed. The non-physics input data to the Cycle 11 licensing analyses, i.e., LOCA, non-LOCA, Setpoint, Fuel Performance, Thermal Hydraulic, and Mechanical Design, were not affected by the extension to the high burnup end of the Cycle 10 burnup window.

RECORD ID

FCR 92-3000

CNTL REF: 92-3000

PROPOSED ACTIVITY:

This activity revises section 9.4 of the UFSAR to reflect re-analysis of the spent fuel pool decay heat loading. Input assumptions were modified to reflect current and planned fuel management. The maximum decay heat expected from any normal refueling off-load increased from  $17.3 \times 10^6$  BTU/hr to  $19.9 \times 10^6$  BTU/hr. This heat load remains below the design load of  $20.2 \times 10^6$  BTU/hr for the spent fuel pool cooling system stated in the SAR. In the case of a full core off-load and a full spent fuel pool, the maximum expected decay heat load is reduced from  $38.6 \times 10^6$  BTU/hr to  $37.6 \times 10^6$  BTU/hr. The heat load also remains within the design load limit of  $38.6 \times 10^6$  BTU/hr for the spent fuel pool cooling system supplemented by the shutdown cooling system stated in the SAR.

FCR 92-3007

CNTL REF: 92-3007

PROPOSED ACTIVITY:

Table 14.1-5 lists the AFW pump TDH as Shutoff Head. This change corrects this discrepancy. No changes to the pumps or the accident analysis assumptions, methodology, or results are required. This change makes Table 14.1-5 consistent with the remainder of the UFSAR including the accident analyses.