



Consumers
Power

**POWERING
MICHIGAN'S PROGRESS**

Big Rock Point Nuclear Plant, 10269 US-31 North, Charlevoix, MI 49720

William L Beckman
Plant Manager

August 17, 1990

Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

DOCKET 50-155 - LICENSE DPR-6 - BIG ROCK POINT PLANT -
INTEGRATED PLAN SEMI-ANNUAL UPDATE NUMBER 13

As required by the Big Rock Point operating license, this letter provides the thirteenth update of the Big Rock Point Integrated Plan. Attachment 1 contains an index of all issues and identifies them by category, rank, description and status. Attachment 2 is a list of all open issues and contains detailed scope statements, status, and applicable scheduled completion dates.

SUMMARY OF INTEGRATED PLAN ACTIVITIES SINCE THE FEBRUARY, 1990 UPDATE

Three new issues have been added to the Integrated Plan and two issues were completed. There are two (2) active "A" issues (established by NRC rule, order, or license condition); twelve (12) active "BN" issues (initiated by the NRC or commitment to the NRC) and eighteen (18) active "B" issues (initiated by the Company or an agency other than the NRC), totaling thirty-two (32) active issues;

ISSUES ADDED

B-144 - Replace TR-9623 and Associated RTDs

This project is to replace TR-9623 and associated RTDs, as the present recorder is becoming unreliable and involves considerable maintenance. Parts are becoming hard to obtain and if the RTDs were replaced with a higher range temperature detection, it would be of benefit to containment temperature monitoring.

B-145 - G.E. HFA Relays

00000

NRC Information Notice 88-69 was to provide information regarding binding of the movable contact fingers in HFA relays manufactured by General Electric. Binding of the movable contact arm could interfere with the relay's ability to maintain correct operation. This condition affects all HFA relays with a date code prior to September, 1988. This TRG issue is

OC0690-0227A-BX01

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A CMS ENERGY COMPANY

A001
1/1

to determine Big Rock Point approach regarding nuclear 1E and non-1E applications.

B-146 - Replace/Modify Breaker Panelboard 2P

This project is to replace breaker panel 2P in the sphere. The molded case breakers were last produced in 1965 and replacements are no longer available.

ISSUES RERANKED

None.

ISSUES COMPLETED/CANCELLED

BN-050A2 - Containment Isolation - Online Testing of MSIV

Test results confirmed the improved reliability of the MSIV and the contribution of the steam line isolation failure probability to containment release frequency has been substantially reduced. This confirms the previous evaluation that the addition of an additional MSIV is not warranted and we can consider the issue resolved. BRP plans to continue with the test program on a reduced frequency (quarterly) with the results being trended.

B-133 - Shutdown Cooling Heat Exchanger Tubing Replacement

Plant management received TRGs recommendation for cancellation and determined that replacement of the tube bundles was not necessary. The project engineer explained that a new alternate involving leak sealing of the joint has been selected. TRG concurred that this is appropriate and concluded that there was no need to follow this activity as a result of its purely maintenance nature.

BN-005D - Perform 33 Minor Changes to Control Room Devices

This issue was completed in the recent forced outage. As reported previously, most of the work was completed in the 1989 refueling outage. The changes involved correcting deficiencies identified by the Control Room Design Review in indicators, lens colors, switch handles, etc.

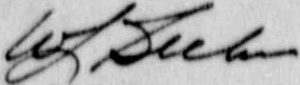
ACTIVE ISSUES FOR WHICH SIGNIFICANT PROGRESS HAS BEEN MADE

B-119 - Acid System Modifications to Eliminate Piping Corrosion

The piping replacement work to increase personnel safety has been completed. Additional work to enhance the makeup system operation including rerouting of piping; addition and replacement of instrumentation; and repair and recoating of equipment and floors have been completed. Final checkout and documentation closeout require completion for closeout of this issue.

A-132 - Simulation Facility

The simulation facility application was submitted on June 29, 1990. Work is proceeding well on the computer modeling and the actual construction of the simulator. The control manipulation analysis has been completed. Delivery of the Retact workstation is projected for the fourth quarter of this year.



W L Beckman
Plant Manager

CC Administrator, Region III, USNRC
NRC Resident Inspector - Big Rock Point

ATTACHMENT 1

Consumers Power Company
Big Rock Point Plant
Docket 50-155

ISSUE INDEX FOR THE
BIG ROCK POINT INTEGRATED PLAN

August, 1990

7 Pages

MI0287-0084A-BX01

ISSUES BY ISSUE NUMBER

<u>ISSUE NUMBER</u>	<u>ISSUE RANK</u>	<u>ISSUE DESCRIPTION</u>	<u>STATUS</u>
B-001	-	HEAT EXCHANGER TUBE BUNDLE REPLACEMENT	COMPLETE
B-002	-	ACID LINE EXTENSION	COMPLETE
B-003	-	REACTOR COOLANT PRESSURE BOUNDARY LEAKAGE DETECTION	COMPLETE
B-004	-	STACK GAS MONITORING	COMPLETE
BN-005	-	CONTROL ROOM DESIGN REVIEW	COMPLETE
BN-005A	-	CRITICAL SAFETY FUNCTIONS	CANCELLED
BN-005B	18	IMPROVE COMMUNICATIONS	ACTIVE
BN-005C	-	RESOLVE HED W/RCP CONTROLS	COMPLETE
BN-005D	-	THIRTY-THREE MINOR CHANGES	COMPLETE
BN-005E	-	AUTOMATED PLANT SIREN CONTROL	COMPLETE
BN-005F	23	ECS LEVEL IMPROVEMENTS	ACTIVE
BN-005G	32	RELOCATE RELIEF VALVE ACOUSTIC MONITOR	ACTIVE
BN-005H	12	ISOLATION VALVE INDICATION	ACTIVE
BN-006	12	SAFETY PARAMETER DISPLAY SYSTEM	ACTIVE
B-007	-	SCRAM DUMP TANK LEVEL INSTRUMENTATION	COMPLETE
B-008	-	SINGLE CHANNEL RESET INVESTIGATION	COMPLETE
B-009	-	REACTOR COOLING WATER PRESSURE STUDY	COMPLETE
B-009A	-	INSTALLATION OF TELLTALES ON SHUTDOWN HEAT EXCHANGER	COMPLETE
B-010	-	VENTILATION FOR PANEL C-52	COMPLETE
B-011	-	RUCKER SYSTEM (STUDY)	COMPLETE
B-011A	-	TURBINE BYPASS SYSTEM IMPROVEMENTS	COMPLETE
B-012	-	RESIDUAL HEAT REMOVAL HEAT EXCHANGER TUBE FAILURE	COMPLETE
B-013	-	PURITY OF PRIMARY COOLANT	COMPLETE
B-014	-	SEISMIC DESIGN CONSIDERATIONS	COMPLETE
BN-014A	10	RESOLUTION OF SEISMIC ISSUES	ACTIVE
BN-014B	-	SEISMIC ADEQUACY OF ACTIVE COMPONENTS	COMPLETE*
BN-014C	18	SEISMIC ADEQUACY OF ACTIVE COMPONENTS	ACTIVE
B-015	-	CONTAINMENT ELECTRICAL PENETRATIONS	COMPLETE
B-016	2	SECONDARY SYSTEM INSTABILITIES	ACTIVE
B-017	-	PCS ISOLATION - PC SYSTEM	COMPLETE

*Replaced by BN-014C

<u>ISSUE NUMBER</u>	<u>ISSUE RANK</u>	<u>ISSUE DESCRIPTION</u>	<u>STATUS</u>
B-018	-	HIGH PRESSURE RECYCLE	CANCELLED
B-019	-	HYDROGEN MONITORING	COMPLETE
B-020	-	INSTRUMENTATION TO DETECT INADEQUATE CORE COOLING	COMPLETE
B-021	-	RECIRCULATION PUMP TRIP	COMPLETE
BN-022A	-	ORGANIC MATERIALS (WALL COATINGS)	COMPLETE
B-022B	-	POST ACCIDENT CHEMISTRY - SEP TOPIC VI-1	COMPLETE
B-023	-	BALANCE OF PLANT QA PLAN DEVELOPMENT	CANCELLED
B-024	-	INSTALLATION OF DP GAUGE ON NONREGEN HEAT EXCHANGER	COMPLETE
BN-025	-	WIND AND TORNADO LOAD & TORNADO MISSILE - SEP TOPICS III-2 & III-4.A	COMPLETE
B-026	-	ISI OF WATER CONTROL STRUCTURES	COMPLETE
B-027	-	SERVICE WATER/COOLING WATER SYSTEMS	COMPLETE
B-028	-	PROXIMITY OF TECTONIC STRUCTURES	COMPLETE
B-029	-	TURBINE MISSILES	COMPLETE
A-030	-	RADIOLOGICAL EFFLUENT TECHNICAL SPECIFICATIONS	COMPLETE
B-031	-	DEFINITION OF OPERABILITY	COMPLETE
BN-032	-	EMERGENCY OPERATING PROCEDURE UPGRADE	COMPLETE
B-033	-	REFERENCE VOLUME CHAMBER REMOVAL	COMPLETE
B-034	-	CONTROL ROOM AIR CONDITIONING	COMPLETE
A-035B	-	FHSR UPDATE STUDY	COMPLETE
A-036	-	ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT (EEQ)	COMPLETE
B-036A	-	EEQ PROGRAM ENHANCEMENTS	COMPLETE
B-037	-	PROBABLE MAXIMUM FLOOD CONSIDERATIONS	COMPLETE
B-038	-	SAFETY RELATED WATER SUPPLY - SEP TOPIC II-3.C	COMPLETE
B-039	-	EFFECTS OF HIGH WATER LEVEL - SEP TOPIC III-3.A	COMPLETE
B-040	-	PIPING AND SAFE END INTEGRITY	COMPLETE
B-041	-	CLASSIFICATION OF STRUCTURES, SYSTEMS, & COMPONENTS	COMPLETE
B-042	-	ONGOING ISI	COMPLETE
B-043	-	MECHANICAL SNUBBERS	COMPLETE

<u>ISSUE NUMBER</u>	<u>ISSUE RANK</u>	<u>ISSUE DESCRIPTION</u>	<u>STATUS</u>
B-044	-	VERIFICATION OF BS&B VALVE DATA	COMPLETE
B-045	-	ECCS TEST TERMINAL BOX	CANCELLED
B-046	-	REVISED REACTOR VESSEL PRESSURE/TEMPERATURE LIMITS	COMPLETE
B-047	-	SPENT FUEL POOL CLEANUP	COMPLETE
B-048	-	CLEANUP DEMINERALIZER SYSTEM PUMP REPLACEMENT INVESTIGATION	COMPLETE
B-048A	-	CLEANUP DEMINERALIZER SYSTEM PUMP BYPASS	COMPLETE
B-049	-	VENTILATION SYSTEMS	COMPLETE
B-050A1	-	MSIV BACKUP VALVES - LEAK TESTING	COMPLETE
BN-050A2	-	CONTAINMENT ISOLATION - ONLINE TESTING OF MSIV	COMPLETE
BN-050B	-	CONTAINMENT ISOLATION - LEAK TEST OF SERVICE AND INSTRUMENT AIR	COMPLETE
B-050C	-	CONTAINMENT ISOLATION - ISOLATION VALVES IN HEATING, COOLING, OR SERVICE WATER	COMPLETE
B-050D	-	CONTAINMENT ISOLATION - ADD CONTROL CIRCUIT TO TREATED WASTE VALVE (CV-4049)	COMPLETE
B-050E	-	CONTAINMENT ISOLATION - AIR LOCK TESTING - SEP TOPIC VI-4	COMPLETE
B-050F	-	CONTAINMENT ISOLATION - HAND ISOLATION OF INSTRUMENT LINES - SEP TOPIC VI	COMPLETE
B-050G	-	CONTAINMENT ISOLATION - PNEUMATIC TEST OF MSIV - SEP TOPIC VI-4	COMPLETE
BN-051	-	DESIGN CODES, CRITERIA AND LOAD COMBINATIONS	COMPLETE
B-052	-	HELB - SEP TOPIC III-5.A	COMPLETE
B-053	-	PIPE BREAKS OUTSIDE CONTAINMENT	COMPLETE
B-054	-	PLANT SHIELDING - NUREG-0737 ITEM II.B.2	COMPLETE
B-055	-	METEOROLOGICAL TOWER	COMPLETE
B-056	-	ESF UPGRADE	COMPLETE
B-057	-	CONTROL ROOM HABITABILITY - NUREG-0737	COMPLETE
B-057A	-	CONTROL ROOM HABITABILITY - SEAL DOORS	COMPLETE

<u>ISSUE NUMBER</u>	<u>ISSUE RANK</u>	<u>ISSUE DESCRIPTION</u>	<u>STATUS</u>
B-058	-	POST ACCIDENT SAMPLING	COMPLETE
B-059	-	MSLB OUTSIDE CONTAINMENT	COMPLETE
B-060	-	REVISED SECURITY PRINTS	CANCELLED
B-061	-	EQUIPMENT IDENTIFICATION	CANCELLED
B-062	-	REVISE DRAWINGS (SYSTEM CHECKSHEET VERIFICATION)	COMPLETE
B-063	-	CONTAINMENT PURGE AND VENT	COMPLETE
B-064	-	CONTAINMENT ILRT	COMPLETE
B-065	-	TEST CARD READER	CANCELLED
B-066	-	RADWASTE MONITOR FLUSH TIMER	CANCELLED
B-067	-	ISOLATION OF RPS FROM NONSAFETY SYSTEMS	COMPLETE
B-068	-	DC SYSTEM MONITORING	COMPLETE
B-069	-	ACID AND CAUSTIC TANK PROBLEMS	COMPLETE
B-070	-	EMERGENCY DG PANEL VENTILATION	COMPLETE
B-071	-	CHANGE PIPING IN CHEM LAB HOT HOOD	CANCELLED
B-072	-	FACILITY MODIFICATIONS - WAREHOUSE	COMPLETE
B-073	-	CONTROL OF HEAVY LOADS	COMPLETE
B-074	-	REACTOR COOLANT SYSTEM - HIGH POINT VENTS	COMPLETE
A-075A	-	ALTERNATE SHUTDOWN SYSTEM	COMPLETE
A-075B	-	RADIANT ENERGY SHIELDS	COMPLETE
A-075C	-	ASSOCIATED CIRCUITS	COMPLETE
B-076	-	CONTAINMENT HIGH RANGE MONITOR	COMPLETE
B-077	-	INVESTIGATE INCORE AVAILABILITY PROBLEM	COMPLETE
B-077A	-	INVESTIGATE INCORE AVAILABILITY PROBLEM	CANCELLED
B-078	-	CLEANUP SYSTEM DRAIN LINE	CANCELLED
B-079	-	CONTROL ROD MISOPERATION	COMPLETE
B-080	-	PERFORMANCE OF BWR SAFETY VALVES	COMPLETE
B-081	-	POSITION INDICATION OF PORV'S	COMPLETE
B-082	-	RDS RELIABILITY IMPROVEMENTS	COMPLETE
B-083	-	FULL STROKE TESTING OF REACTOR DEPRESSURIZATION VALVE	CANCELLED*

*This issue was combined with Issue B-82.

<u>ISSUE NUMBER</u>	<u>ISSUE RANK</u>	<u>ISSUE DESCRIPTION</u>	<u>STATUS</u>
B-084	-	SCRAM DUMP TANK VALVE - LACK OF REDUNDANCY (STUDY)	COMPLETE
B-084A	-	SCRAM DUMP TANK REDUNDANT VALVES	COMPLETE
B-085	-	CONTAINMENT OVERPRESSURE - NITROGEN SUPPLY TO RDS ISOLATION VALVES	COMPLETE
B-086	-	BYPASS OF MOV THERMAL OVERLOADS	COMPLETE
B-087	-	PIPE BREAK OUTSIDE OF CONTAINMENT	COMPLETE
B-088	-	MSLB OUTSIDE CONTAINMENT - RADIOLOGICAL CONSEQUENCES	COMPLETE
B-089	-	RCPB LEAKAGE DETECTION	COMPLETE
BN-090	-	CLASSIFICATION OF STRUCTURES, SYSTEMS AND COMPONENTS	COMPLETE
B-091	-	CONTAINMENT ISOLATION - POST LOCA SYSTEM WALKDOWNS	COMPLETE
B-092	-	CONTAINMENT ISOLATION - CLOSED SYSTEMS	COMPLETE
B-093	-	EMERGENCY RESPONSE FACILITIES (UPGRADE TSC)	COMPLETE
B-094A	-	POST TRIP REVIEW - DATA & INFORMATION CAPABILITIES	COMPLETE
B-094B	-	POST TRIP REVIEW - DATA & INFORMATION CAPABILITIES	COMPLETE
B-095	-	INSTALLATION OF FILTERS IN INSTRUMENT AIR LINE	COMPLETE
B-096	-	INSTALLATION OF ISOL VALVE UPSTREAM OF CV-4027	COMPLETE
B-097	-	REPLACEMENT OF VIP-5 WITH MOTOR OPERATED VALVE	COMPLETE
B-098	-	REVISIONS TO 125-VOLT DC DRAWINGS	COMPLETE
B-099	-	EQUIPMENT CLASSIFICATION - RPS COMPONENTS	COMPLETE
BN-100	-	VENDOR INTERFACE AND MANUALS	COMPLETE
B-101	-	POST MAINTENANCE TESTING - RPS COMPONENTS	COMPLETE
B-102	-	EQUIPMENT CLASSIFICATION - ALL SAFETY RELATED EQUIPMENT	COMPLETE
B-103	-	POST MAINTENANCE TESTING - ALL SAFETY RELATED EQUIPMENT	COMPLETE
B-104	-	CORE SPRAY PUMP SUCTION STRAINER BLOCKAGE	COMPLETE*
B-104A	16	CORE SPRAY PUMP SUCTION STRAINER BLOCKAGE	ACTIVE
B-105	-	REACTOR DEPRESSURIZATION SYSTEM HANGER REPLACEMENT	COMPLETE

*Replaced by B-104A

<u>ISSUE NUMBER</u>	<u>ISSUE RANK</u>	<u>ISSUE DESCRIPTION</u>	<u>STATUS</u>
B-106	-	REMOVE TURBINE GRATING	CANCELLED
B-107	-	FLOOD ANNUNCIATION	CANCELLED
B-108	-	MAIN STEAM LINE DRAIN ISOLATION	COMPLETE
BN-109	-	BACKUP HIGH RANGE STACK MONITOR	COMPLETE
B-110	-	LIGHTNING PROTECTION	COMPLETE
B-111	-	REPLACEMENT OF NEUTRON MONITORING INSTRUMENTATION	COMPLETE
A-112	8	ALTERNATE ROD INJECTION	ACTIVE
B-113	-	RELIEF VALVE FAILURES INVESTIGATION	COMPLETE
B-114	-	RECIRCULATION PUMP ROOM LIGHTING	COMPLETE
B-115	-	CONDENSER MAKEUP WATER/CORE SPRAY INVESTIGATION	COMPLETE
B-115A	15	ALTERNATE SOURCE OF CONDENSER HOTWELL MAKEUP	ACTIVE
B-116	-	CLEANUP DEMIN PIT ACCESS HANDRAIL	COMPLETE
B-117	-	REPLACE DIESEL FIRE PUMP ENGINE	COMPLETE
B-118	-	UNDER WATER FILTERING SYSTEM FOR SPENT FUEL POOL	COMPLETE
B-119	1	ACID SYSTEM MODIFICATIONS TO ELIMINATE PIPING CORROSION	ACTIVE
B-120	-	ACCESS TO RECIRC PUMP ROOM HEAT SENSORS	COMPLETE
B-121	-	PROVIDE ENGINEERING SUPPORT FOR CRD REPAIRS	COMPLETE
B-122	-	REPLACE STATION BATTERY	COMPLETE
B-123	8	REPLACE CONTROL ROOM RECORDERS	ACTIVE
BN-124	-	VITAL AREA UPGRADE	COMPLETE
BN-125	-	CCTV UPGRADE	COMPLETE
B-126	-	STATION AIR COMPRESSORS	COMPLETE
B-126A	2	STATION AIR SYSTEM UPGRADE	ACTIVE
B-127	-	REPLACE INSTRUMENT AIR DRYER	COMPLETE
B-128	5	REPLACEMENT OF CABLE IN RECIRC PUMP ROOM	ACTIVE
B-129	-	REWIRE CRD ACCUMULATOR PRESSURE SWITCH & LEAK DETECTOR SCHEMES	COMPLETE
BN-130	28	EVALUATION OF INSTRUMENT AIR SYSTEM PER GENERIC LETTER 88-14	ACTIVE
B-131	30	DIESEL GENERATOR RELIABILITY PROGRAM	ACTIVE

<u>ISSUE NUMBER</u>	<u>ISSUE RANK</u>	<u>ISSUE DESCRIPTION</u>	<u>STATUS</u>
A-132	6	SIMULATOR FACILITY PLAN	ACTIVE
B-133	-	SHUTDOWN COOLING HEAT EXCHANGER TUBING REPLACEMENT	CANCELLED
B-134	12	RELIEF VALVE TEST STAND	ACTIVE
B-135	30	REACTOR RECIRCULATION PUMP VIBRATION MONITORING	ACTIVE
B-136	7	PROVIDE REPLACEMENT VALVE FOR FEEDWATER REGULATOR	ACTIVE
BN-137	4	INDIVIDUAL PLANT EXAM (IPE) PROGRAM - GENERIC LETTER 88-20	ACTIVE
BN-138	16	MOV PROGRAM - GENERIC LETTER 89-10	ACTIVE
BN-139	21	OPEN CYCLE COOLING SYSTEM PROGRAM - GENERIC LETTER 89-13	ACTIVE
B-140	23	GENERATOR SYNCHRONIZING RELAY INSTALLATION	ACTIVE
B-141	21	BRP COORDINATION ANALYSIS MODIFICATIONS	ACTIVE
B-142	20	EDG TIME DELAY OVERCURRENT RELAYS	ACTIVE
B-143	23	PUMP FLOW METER INSTALLATION FOR SECTION XI	ACTIVE
B-144	23	REPLACE TR 9623 AND ASSOCIATED RTDs	ACTIVE
B-145	23	GENERAL ELECTRIC HFA RELAYS	ACTIVE
B-146	28	REPLACE/MODIFY BREAKER PANELBOARD 2P	ACTIVE

ATTACHMENT 2

Consumers Power Company

Big Rock Point Plant

Docket 50-155

BIG ROCK POINT INTEGRATED PLAN

OPEN ISSUES

PAGE 1

08/16/90

BIG ROCK POINT PLANT
INTEGRATED PLAN
TYPE / A / PROJECTS

PLAN
SCHEDULED
COMPLETION
DATE

00-00-00

ISSUE
NUMBER

RANK

ISSUE
TITLE

A -112 8 ALTERNATE ROD INJECTION

685

SCOPE:
PERFORM ADDITIONAL RISK BASED EVALUATIONS
TO DETERMINE THE EFFICACY OF ALTERNATE ROD
INJECTION (110CFR50.62).

STATUS:
RISK ANAL COMPLETED & PRESENTED TO TRG. ANAL
SUBMITTED TO NRC 10/1/86 & FOLLOW-UP EXEMP-
TION REQUEST ON 12/29/86. CFCO REQUESTED BRP
BE EXEMPT FROM INSTALLING AN ALTERNATE ROD
INJECTION SYSTEM OR MODIFIED VERSION.
WAITING ON NRC APPROVAL OF EXEMPTION.

A -122

833

6 SIMULATION FACILITY

SCOPE:
DEVELOP SIM. FACILITY CONSISTING OF ON-SITE
FULL SCALE CR STATIC MOCKUP, WITH PART TASK
ENHANCEMENT USING PHYSICAL DEVICE MOCKUPS,
DYNAMIC SIM. & WORK STATION WITH I/O USING
SINGER RETACT SOFTWARE, USE OF ACTUAL PLANT,
PLANT WALKTHROUGHS, CONTINUED USE OF DRESDEN.

STATUS:
DELIVERY OF RETACT WORKSTATION IS EXPECTED
DURING 4TH QUARTER. PRESENTATION TO NRC HELD
ON 5/15/90. CONTROL MANIPULATION ANALYSIS
COMPLETE. TIMING EXEMPTION REQUEST SUBMITTED
4/3/90. APPLICATION SUBMITTED 6/27/90.

05-26-91

08/16/90

BIG ROCK POINT PLANT
INTEGRATED PLAN
TYPE / BN / PROJECTS

PLAN
SCHEDULED
COMPLETION
DATE

ISSUE
NUMBER

RANK

ISSUE
TITLE

BN-005B
766

18 IMPROVE COMMUNICATIONS

12-31-91

SCOPE:
INSTALL PA SYSTEM CONTROL RM SPEAKER MUTE SW.
INSTALL COMMUNICATION (HEAR-HERE OR EQUAL)
BOOTHS IN SCREEN HOUSE, AIR COMPRESSOR RM AND
AT TURBINE FRONT STANDARD. PROVIDE ADDITIONAL
PA COVERAGE IN AREAS NOT CURRENTLY COVERED
(OPS SURVEY REQ'D) - (SEE AIR-BRP-88-06/WJT).

STATUS:
INITIAL SCOPING HAS BEGUN. SCHEDULE AND
DESIGN PACKAGE TO BE DEVELOPED.

BN-005F
772

23 ECS LEVEL IMPROVEMENT

12-31-92

SCOPE:
MODIFY EMERGENCY CONDENSER LEVEL INDICATING
SYSTEM TO: (1) PROVIDE LEVEL INDICATION IN
ACTIVE AREA OF LEVEL INSTRUMENTATION RANGE
AND (2) PROVIDE NORMAL LEVEL INDICATION IN
ACTIVE AREA OF LEVEL INSTRUMENTATION RANGE.

STATUS:
WORK WILL COMMENCE AFTER COMPLETION OF OTHER
HIGHER PRIORITY PROJECTS. SCHEDULE TO BE
DEVELOPED.

BN-005G
773

32 RELOCATE 5TH DRM RELIEF VLV ACOUSTIC MONITOR

12-31-92

SCOPE:
RELOCATE STEAM DRUM RELIEF VALVE ACOUSTIC
MONITOR FROM THE FRONT OF THE MAIN PANEL TO
THE BACK. MOUNT AT ELEVATION WHICH ALLOWS
EASY ACCESS. INCORPORATE ALARM INTO
ANNUNCIATORS AND ELIMINATE INTERNAL AUDIBLE
ALARM.

STATUS:
PROJECT ASSIGNED. NO SCOPING STARTED.
NO CURRENT ACTIVITY.

PAGE 2

08/15/90

BIG ROCK POINT PLANT
INTEGRATED PLAN
TYPE / BN / PROJECTS

PLAN
SCHEDULED
COMPLETION
DATE

ISSUE
NUMBER

RANK

ISSUE
TITLE

BN-005H
775

12 REARRANGE LABEL & DEMARCATATE ISOL VLV MATRIX;
ADD MO-7067

90 REFOUT

SCOPE:
REARRANGE CONTAINMENT ISOLATION VALVE STATUS
MATRIX ON CO2-2 WITHIN CONTROL ROOM.

STATUS:
TO BE PERFORMED DURING 90 REFOUT. READY FOR
INSTALLATION.

BN-006
634

12 SAFETY PARAMETER DISPLAY SYSTEM

90 REF OUT

SCOPE:
WRITE AND SUBMIT SPDS SAFETY ANALYSIS
PACKAGE FOR NRC REVIEW AND APPROVAL.
PROVIDE A CRITICAL SAFETY FUNCTION DISPLAY TO
MEET INTENT OF AN SPDS PER NUREG-0660 AS
APPROVED BY NRC DURING MAY '89 AUDIT FOR
CRDR.

STATUS:
CONCEPTUAL DESIGN PACKAGE REVIEW COMPLETE.
DETAILED DESIGN IN PROGRESS. NRC SAFETY
ANALYSIS FOR SPDS RECEIVED. PROJECT
HAS BEEN REASSIGNED. DELIVERY DATE IS
UNKNOWN AT THIS TIME.

BN-014A
847

10 MODIFY EM CONDENSER SHELL SUPPORTS

90 REFOUT

SCOPE:
MODIFY THE EMERGENCY CONDENSER SHELL SUPPORTS
TO WITHSTAND SEISMIC LOADS GREATER THAN THOSE
INDUCED BY THE ESTABLISHED SSE OF .12G.

STATUS:
SCHEDULE HAS BEEN DEVELOPED AND WORK IS
ONGOING.

08/16/90

BIG ROCK POINT PLANT
INTEGRATED PLAN
TYPE ' BN ' PROJECTS

ISSUE NUMBER	RANK	ISSUE TITLE	PLAN SCHEDULED COMPLETION DATE
BN-014A* 846	10	ENGINEERING ANALYSIS OF BLOCK WALLS (3) SCOPE: PERFORM A 3-D NON-LINEAR ANALYSIS OF BLOCK WALLS M100.20, M100.21, AND M100.23 TO DEMONSTRATE THEIR SEISMIC CAPACITY IS GREATER THAN THE ESTABLISHED SSE OF .12G.	90 REFOUT
BN-014C 737	18	VERIF. OF SEISMIC ADEQUACY OF ACTIVE COMP. SCOPE: ASSEMBLE AND TRAIN WALKDOWN TEAM. DETERMINE SAFE SHUTDOWN PATHS. PERFORM SYSTEM/ EQUIPMENT WALKDOWNS AND IDENTIFY EQUIPMENT OUTLIERS.	00-00-00
BN-130 788	28	EVAL INST AIR SYS PER GENERIC LTR 88-14 SCOPE: EVALUATE INSTRUMENT AIR SYSTEM & ASSOCIATED EQUIP IN ACCORDANCE WITH REQUIREMENTS OF GL 88-14. FC-659 PERMITS CONTINUOUS MONITORING OF INSTR. AIR DEW POINT FOR COMPLIANCE WITH AIR QUALITY STANDARDS AND EFFICIENT OPERATION OF DRYER.	12-31-90

STATUS:
ANALYSIS IS TO BE PERFORMED BY CONSULTANTS.
WORK IS ONGOING.

STATUS:
IMPLEMENTATION SCHEDULE TO BE DETERMINED;
WILL BE CONSISTENT WITH SCHEDULE PROPOSED BY
SQUG.

STATUS:
IDENTIFIED SCOPE OF GL 88-14. 180 DAY RESP.
COMPLETE. PRELIMINARY INST AIR PIPING WALK-
DOWN DWGS ARE COMPLETE. OPS VERIFYING DWGS.
VERIFYING PROPER EQUIP OP IS IN PROGRESS.
CONCEPTUAL DESIGN OF FC-659 COMPLETE. MAJOR
PARTS ORDERED; DETAIL DESIGN IN PROGRESS.

08/16/90

BIG ROCK POINT PLANT
INTEGRATED PLAN
TYPE ' BN ' PROJECTSPLAN
SCHEDULED
COMPLETION
DATE

ISSUE NUMBER	RANK	ISSUE TITLE	PLAN SCHEDULED COMPLETION DATE
BN-137 856	4	INDIVIDUAL PLANT EXAM (IPE) PROGRAM	09-01-93
BN-138 854	15	MOV PROGRAM - GENERIC LETTER 89-10	06-28-94
BN-139 849	21	OPEN CYCLE COOLING SYSTEM PROGRAM (GL 89-13)	90 REFOUT

SCOPE:
COMPLETION OF A LEVEL I PRA UPDATE AND
CONTAINMENT ANALYSIS.

STATUS:
WORK ON FAULT TREES CONTINUING SIMULATION
FACILITY WORK HAS SLOWED PROGRESS.

15 MOV PROGRAM - GENERIC LETTER 89-10

06-28-94

SCOPE:
DEVELOP MOV PROGRAM PROPOSALS TO ADDRESS
GENERIC LETTER 89-10.

STATUS:
CONTRACTOR HAS BEEN CONTRACTED TO PROVIDE
ASSISTANCE. CONTRACTOR WAS ONSITE IN MAY
TO OBTAIN DESIGN INFO. THRUST CALCULATIONS
ARE IN PROGRESS. WE EXPECT PROJECT TO
CONTINUE FOR 5 YEARS.

21 OPEN CYCLE COOLING SYSTEM PROGRAM (GL 89-13)

90 REFOUT

SCOPE:
DEVELOPMENT OF IMPROVED INSPECTION, SURVEILL,
OPERATIONS AND MAINTENANCE PROCEDURES AND
PRACTICES TO ASSURE OPEN CYCLE SAFETY RELATED
COOLING WATER SYSTEMS MEET FUNCTIONAL
REQUIREMENTS.

STATUS:
AFFECTED OPERATIONS PROCEDURES HAVE BEEN
IDENTIFIED. EXTENT OF THESE REVISIONS
BEING DETERMINED. STATUS OF MAINTENANCE
PROCEDURES STILL UNKNOWN.

08/16/90

BIG ROCK POINT PLANT
INTEGRATED PLAN
TYPE A, B, PROJECTS

PLAN
SCHEDULED
COMPLETION
DATE

ISSUE NUMBER	RANK	ISSUE TITLE	90 REF OUT
B -016 557	2	SECONDARY SYSTEM INSTABILITIES	
B -104A 521	16	CORE SPRAY PUMP SUCTION STRAINER BLOCKAGE	10-01-90
B -115A 515	15	ALTERNATE SOURCE OF MAKE-UP TO COND HOTWELL	91 REF OUT

SCOPE:
PERFORM ANALYSIS OF CONDENSER-HOTWELL/FEED-WATER SYSTEM CHARACTERISTICS. PROVIDE RECOMMENDATIONS TO PREVENT LOSS OF FEEDWATER UPON PLANT LOAD REJECTION.

STATUS:
PRIMARY-SECONDARY TRANSIENT ANALYSIS (VIA AIR A-BRP-89-08) INDICATES THAT TRIP-ING OF ONE RECIRC PUMP CONCURRENTLY WITH A LOAD REJECTION HAS A BENEFICIAL EFFECT ON KEEPING FEEDWATER AVAILABLE. FC-664 CONCEPTUAL DESIGN REVIEW IN PROGRESS.

SCOPE:
INSTALL REDUNDANT CORE SPRAY PUMP SUCTION STRAINER SCREENS.

STATUS:
DETERMINED THAT ADDING SCREENS TO THE APPLICABLE DOORWAYS WILL REDUCE THE POSSIBILITY OF PLUGGING SUCTION STRAINER SCREENS. FC IN PROGRESS; PRELIMINARY ENGR PKG IN ROUTING. DETAILED ENGINEERING IN PROGRESS.

SCOPE:
PROVIDE A MEANS OF ADDING WATER TO THE CONDENSER HOTWELL WITH EXISTING PIPING, WITH AUTO SHUTOFF CAPABILITY.

STATUS:
METHOD SELECTED IS USE OF THE EXISTING TIE-IN FROM THE FIRE WATER SYSTEM. SCHEDULE HAS BEEN DEVELOPED; WORK ONGOING.

08/16/90

BIG ROCK POINT PLANT
INTEGRATED PLAN
TYPE ' B ' PROJECTS

ISSUE NUMBER	RANK	ISSUE TITLE	PLAN SCHEDULED COMPLETION DATE
B 4119 729	1	ACID SYSTEM MOD. TO ELIMINATE PIPING EROSION	09-01-90
		SCOPE: IMPROVE/CORRECT ACID ADDITION SYSTEM TO ELIMINATE PERSONNEL SAFETY CONCERNS AND IMPROVE SYSTEM RELIABILITY.	STATUS: CR-6053 INSTALLED. POST INSTALLATION TESTING TO BE DONE.
B -123 753	8	REPLACE RECORDER CR-6050	90 REF OUT
		SCOPE: REPLACE THE PRESENT CONTROL ROOM "PLANT CONDUCTIVITY" RECORDER (CR-6050).	STATUS: READY FOR INSTALLATION.
B -126A 763	2	STATION AIR SYSTEM UPGRADE	12-31-90
		SCOPE: INSTALL ONE ADDITIONAL AIR COMPRESSOR. ADD FLOW/TEMPERATURE INSTRUMENTS. START LEAK DETECTION PROGRAM.	STATUS: FC FOR INSTRUMENT AIR FLOW MONITORING HAS BEEN DECLARED OPERABLE. DELIVERY OF SULLAIR AIR COMPRESSOR WITH AFTER-FILTERS & AIR DRYER IS COMPLETE. INSTALLATION PLANNED FOR 1990.

08/16/90

BIG ROCK POINT PLANT
INTEGRATED PLAN
TYPE 'B' PROJECTS

ISSUE NUMBER	RANK	ISSUE TITLE	PLAN SCHEDULED COMPLETION DATE
B -128 787	5	REPLACEMENT OF CABLES IN RECIRC PUMP ROOM SCOPE: REPLACE ALL POLYETHYLENE CABLES IN THE RECIRC PUMP ROOM. EVALUATE NEED TO REPLACE OTHER TYPES OF CABLES.	91 REF OUT STATUS: 18 OF 21 PHASE 1 WORK PKGS COMPLETED. PHASE 2 CONCEPTUAL DESIGN PKG APPROVED BY PRC. DETAILED DESIGN PKG & COMPLETION JEOPARDIZED BY WORK LOAD. INSTALLATION PROCEDURES IN PROGRESS. PHASE 2 PKG REQUIRED WITH LIMITED TIME AVAILABLE.
B -131 813	30	DIESEL GENERATOR RELIABILITY PROGRAM SCOPE: DEVELOPMENT OF DIESEL GENERATOR PROGRAM TO MAINTAIN AND MONITOR RELIABILITY.	12-31-90 STATUS: TRENDING/RELIABILITY PROGRAM BEING DEVELOPED TO MEET APPLICABLE REQUIREMENTS OF NUMARC 87-00 AND REG GUIDE 1.155. "PROGRAM MANUAL" UNDER DEVELOPMENT.
B -134 827	12	PROCURE A RV TEST STAND SCOPE: PROCURE AND INSTALL A RELIEF VALVE TESTING STAND.	90 REFOUT STATUS: TEST STAND IS ON SITE. PROCEDURE IN PROGRESS. AWAITING MAINTENANCE TO FLUSH & SET UP.

08/16/90

BIG ROCK POINT PLANT
INTEGRATED PLAN
TYPE ' B ' PROJECTS

ISSUE NUMBER	RANK	ISSUE TITLE	PLAN SCHEDULED COMPLETION DATE
B -135 828	30	RECIRC PUMP VIBRATION MONITORING	91 REF OUT
		SCOPE: INSTALL VIBRATION MONITORING PROBES TO REACTOR RECIRC PUMPS TO ALLOW CONTINUOUS AND ON-LINE MONITORING.	STATUS: CONCEPTUAL DESIGN PACKAGE NOT STARTED. PROJECT BUDGET REVISED. INSTALLATION DEFERRED TO 1991 REFOUT.
B -136 841	7	PROVIDE REPLACEMENT VALVE FOR FEEDWATER REG	91 REFOUT
		SCOPE: SPECIFY AND PROCURE SPARE, REPLACEMENT VALVE FOR FEEDWATER REGULATOR VALVE.	STATUS: VALVE ON ORDER. CURRENT DELIVERY DATE IS NOVEMBER, 1990.
B -140 796	23	GENERATOR SYNCHRONIZING RELAY INSTALLATION	91 REF OUT
		SCOPE: INSTALL SYNCHRONIZING CHECK RELAY(S) TO PREVENT SYNCHRONIZING THE GENERATOR TO THE SYSTEM AT LARGE PHASE ANGLES.	STATUS: INITIAL INVESTIGATION AND EQUIPMENT REQUIREMENTS ESTABLISHED BY SYSTEM PLANNING AND PROTECTION - OUTAGE REQUIRED.

BIG ROCK POINT PLANT
INTEGRATED PLAN
TYPE 2, 8 & PROJECTS

PLAN
SCHEDULED
COMPLETION
DATE

ISSUE NUMBER RANK ISSUE TITLE

8 -141 21 BRP COORDINATION ANALYSIS MODIFICATIONS 90 REF OUT

811

SCOPE:
UPGRADE BREAKERS/WIRING TO MEET
RECOMMENDATIONS OF THE "BRP COORDINATION
ANALYSIS" PROVIDED BY SYSTEM PROTECTION
(JACKSON).

STATUS:
SC 89-0044 COMPLETE. SC 89-0048 TO BE
COMPLETED DURING '90 REFOUT; READY FOR
INSTALLATION. SC 89-0040 HAS BEEN
DEVELOPED TO HANDLE THE BALANCE OF THE
PLANT COORDINATION MODS.

8 -142 20 EDG TIME DELAY OVERCURRENT RELAYS 90 REFOUT

834

SCOPE:
PROVIDE IMPROVED COORDINATION (FOR HIGH
CURRENTS) FOR EDG AIR CIRCUIT BREAKER 3
PHASE SHORT.

STATUS:
A RE-EVALUATION OF THE NEED FOR INSTALLING
TIME DELAY ACTION IS UNDERWAY.

8 -143 23 PUMP FLOW METER INSTALL FOR SEC XI 90 REFOUT

825

SCOPE:
INSTALL FLOW METERS TO MEASURE THE FLOW RATE
OF CORE SPRAY PUMPS (400 GPM) AND THE
ELECTRIC & DIESEL FIRE PUMPS (1000 GMP)

STATUS:
CONCEPTUAL DESIGN IN REVIEW. DETAILED
DESIGN IN PROGRESS. MATERIAL ORDERED.

08/16/90

BIG ROCK POINT PLANT
INTEGRATED PLAN
TYPE 'B' PROJECTS

ISSUE NUMBER	RANK	ISSUE TITLE	PLAN SCHEDULED COMPLETION DATE
B -144 852	23	REPLACE TR-9623 & RTDS	91 REFOUT
		SCOPE: REPLACE TR-9623 AND ASSOCIATED RTDS.	STATUS: PROJECT ASSIGNED. NO DESIGN ACTIVITY UNTIL AFTER 1990 REFUELING OUTAGE.
B -145 867	23	PREPARE EVAL TO A-BRP-90-10 FOR HFA RELAYS	00-00-00
		SCOPE: IDENTIFY 35 GE HFA RELAYS AND ENTER RELAYS TO THE EQUIPMENT DATABASE (EQDB). DETERMINE BIG ROCK POINT'S APPROACH REGARDING NUCLEAR 1E AND NON-1E APPLICATION.	STATUS: THIRTY-FIVE HFA RELAYS WERE IDENTIFIED AND ENTERED ON THE EQDB. PROJECT WAS PRESENTED TO TRG ON 6/12/90. EVALUATION OF APPROACH IS IN PROGRESS. AWAITING RESPONSE FROM GE.
B -146 863	28	REPLACE/MODIFY BREAKER PANEL	91 REFOUT
		SCOPE: REPLACE OR MODIFY BREAKER PANELBOARD 2P IN SPHERE.	STATUS: PRELIMINARY SCOPING IS UNDERWAY.