



Consumers
Power

**POWERING
MICHIGAN'S PROGRESS**

General Offices: 1945 West Parnall Road, Jackson, MI 49201 • (517) 788-0550

August 29, 1986

Director,
Nuclear Reactor Regulation
US Nuclear Regulatory Commission
Washington, DC 20555

DOCKET 50-155 - LICENSE DPR-6 - BIG ROCK POINT PLANT -
INTEGRATED PLAN SEMI-ANNUAL UPDATE NO. 5

As required by the Big Rock Point operating license, this letter provides the fifth Integrated Plan Semi-Annual Update. Attachment I contains an Issue Index which identifies all issues by category, rank, description and status. Attachment II contains a detailed listing of all open issues which includes scope, status and applicable schedule dates. The previous update identified several issues with completion dates of 1986 refueling outage. The 1986 refueling outage schedule has been changed to start in January 1987, and therefore, all 1986 refueling outage completion dates have been changed to 1987 refueling outage. Also, as a result of changing the 1986 refueling outage dates, the 1987 refueling outage which was planned to begin in December 1987 is now planned to begin in early 1988 and all 1987 refueling outage completion dates have been changed to 1988 refueling outage.

Summary of Issues Completed or Cancelled Since Previous Update

Three (3) issues have been completed since the fourth update and two (2) issues have been cancelled. A summary of these five (5) issues is as follows:

Issue BN-022A Organic Materials (Wall Coatings)

The surveillance inspection procedure for triennial inspection of containment coatings (TV-35) has been approved for implementation. One minor deficiency was noted during a review of the baseline inspection report issued subsequent to the 1985 refueling outage.

Room 401, located directly below the reactor vessel (CRD Room) was inadvertently omitted during the 1985 inspection. Reasons for this omission were due to the inspector

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encountering unsuitable conditions in room 401 forcing a temporary postponement of the inspection and his overlooking the need to revisit room 401 prior to returning the plant to power.

A Deviation Report was written to assure resolution of this deficiency, now expected during the next refueling outage. Because of the minor nature of the deficiency and the fact that it is being tracked on the corrective action system for resolution, Issue BN-022A is considered closed.

Issue B-023

Balance of Plant - QA

This issue, to develop a Quality Assurance Plan for the balance of plant equipment, has been re-evaluated for desirability based on available plant resources, potential benefit vs cost and priority. It has been decided that this issue should be cancelled and it has been removed from the living schedule.

Issue B-045

ECCS Test Terminal Box

This issue involved a proposed modification to install two test boxes in the backup core spray circuitry to enable quarterly testing of the initiating sensors without stroking MO-7070 and MO-7071 valves. Re-evaluation of this proposed modification indicates minimal payback for resources that would be expended. Future testing will continue to require stroking of the two valves. It has been decided that this issue should be cancelled and it has been removed from the living schedule.

Issue BN-090

Classification of Structures, Systems and Components

This issue involved the analysis and evaluation for thermal fatigue of a piping system and a vessel nozzle. The piping system evaluation was submitted for NRC review in our February 10, 1986 letter and the nozzle evaluation in our August 29, 1986 letter. This issue is now considered closed.

Issue BN-100

Vendor Interface and Manuals

A computerized listing was developed that provides a cross reference between equipment and manuals. In addition to the user index, a vendor manual control procedure has been approved. This issue is now considered closed.

Summary of Issues Added Since Previous Update

Seven (7) new issues have been ranked by the TRG and added to the Integrated Plan since the fourth update. These new issues are:

Issue B-036A EEQ Program Enhancements

With the completion of the original EEQ Project (Issue A-036), it was acknowledged that plant resources will continue to be expended on EEQ to enhance the administrative controls program and support the ongoing maintenance activities. Specifically, this project will provide for the review and, if necessary, revision of the Administrative Procedures to provide for additional assurance that EEQ program controls will be met. These Administrative Procedures may include maintenance order processing, material control, modification control, and qualification file control. This project also allocates resources to revise the existing EEQ files to incorporate the component (SCEW) sheets onto a computer form, inclusion of a new LOCA profile sheet, and general revisions to achieve a more consistent format.

Issue B-113 Relief Valve Failures Investigation

Big Rock Plant relief valves are tested in accordance with ASME Section XI requirements per the BRP pump and valve program. Some as found set points have lacked repeatability with both high and low set point drift. Since the set points can adversely affect plant reliability, this issue was initiated to determine the cause of the set point drifting and provide recommendations to improve relief valve performance. Areas of investigation include procedures for establishing set points, determining as found set point, relaxation of spring constant, buildup of system impurities in valve internals, and evaluation of bench test equipment.

Issue B-114 Recirculation Pump Room Lighting

Lighting in the recirculation pump area has been identified inadequate for operations, maintenance and health physics personnel. The issue is primarily one of personnel safety. The proposed modification will result in the separation of electrical circuitry for normal and emergency lighting.

Issue B-115 Condenser Makeup Water/Core Spray Investigation

This issue was ranked #3 during the May 1986 TRG meeting. The issue involves conducting a study to determine alternatives/benefits of providing makeup water to the condenser to prolong high pressure makeup water to the

reactor via reactor feed pumps in the event of a small break LOCA. This issue qualified for living schedule based on extensive man hours that will be required for the study.

Issue B-116

Cleanup Demineralizer Pit Access - Handrail

Presently, due to a lack of space, personnel have utilized equipment and piping to stand on while working in the cleanup demineralizer pit area. This has caused damage of equipment to occur. This project may result in the installation of a new working platform and support structure, addition of handrails around the platform, installation of grab bars between ladders and handrail around top of pit with an access gate. Corrective actions will be aimed at enhancement of personnel safety and reduction of damage to equipment.

Issue B-117

Replace Diesel Fire Pump Engine

The existing diesel driver is an obsolete model resulting in replacement/spare parts not being readily available. The existing diesel driver meets functional requirements; however, if failure occurs, availability of spare parts could result in or extend an outage. The diesel driver will be replaced during the upcoming refueling outage.

Issue B-118

Underwater Filtering System for Spent Fuel Pool

To enhance spent fuel pool water clarity and ALARA considerations, the decision was made to install an underwater filtration system. The system currently under consideration is designed so it can be used for vacuuming as well as continuous filtering. It is anticipated radiation levels over the fuel pool will drop, resulting in reduced man-rem exposure in the future. Installation is scheduled prior to the beginning of the next refueling outage.

Summary of Schedule/Scope Changes Since Previous Update

Eight (8) issues have been rescheduled since the fourth update. These issues are as follows:

Issue BN-006

Safety Parameter Display System

As previously stated in our letter dated 3/27/86, a safety analysis will be submitted to NRC for review and approval by March 1, 1987. SPDS operational date will be determined after it is determined if additional hardware will be required. This date will be included in the August 1987 update report. The planned scheduled completion date has

been revised to indicate 3/1/87 as the submittal date for the safety analysis package.

Issue BN-014A

Resolution of Seismic Issues

An issue manager has been assigned. A portion of the modifications required could possibly be performed with the plant in power operation; however, the planned scheduled completion date of 1988 refueling outage has been established for those requiring an outage to perform. Further, the completion date of 1988 refueling outage reflects anticipated plant resources that will be available.

Issue BN-025

Wind and Tornado Loading

NRC comments on original submittal have been received. Work will commence in the fourth quarter of 1986 to resolve NRC's comments and to revise the risk analysis to include the Alternate Shutdown Building (ASD). If resolution of NRC's comments require additional structural analysis, generation of fragilities or site specific probabilistic treatment of missiles, this additional work scope will be presented to the Technical Review Group and a schedule established during the first quarter of 1987.

Issue BN-032

Emergency Operating Procedures Upgrade

Development of the Procedure Generation Package (PGP) continues; the PGP will be submitted to the NRC by December 31, 1986. The status of each element of the PGP is as follows:

Writer's Guide The guide has been developed, but requires considerable revision. Revisions are scheduled to be completed by November 1, 1986.

Validation and Verification (V&V) Program The procedure for the V&V Program has been written and is currently being reviewed.

Training Program The Training Program description has been completed.

Technical Guidelines Remaining work on the first draft of the guidelines consists of developing the Radioactivity Control Guideline and its associated basis document. The completed portion of the guidelines is currently undergoing a technical review.

Following completion of the technical review, comments resulting from that review as well as concerns/comments resulting from the Control Room Design Review (CRDR) will be evaluated, and the guidelines revised as appropriate. In addition, the guidelines will be reviewed to determine if additional control room instrumentation and controls need to be included in the CRDR.

Analyses to support development of the new guidelines are underway; although some of these analyses may not be completed at the time of the PGP submittal, it is believed that no significant revisions to the technical guidelines will be required as a result of the analyses. If any changes are required following initial submittal of the PGP, the technical guidelines will be revised and promptly resubmitted for NRC review.

Following submittal of the PGP, efforts in 1987 will include development of the EOPs (the current plan is to utilize a logic-diagram/flow chart format), perform validation and verification, develop lesson plans and perform training, and rewrite existing operating procedures so that they will be aligned with the new EOPs. These efforts will continue through 1987, with the upgraded EOPs being ready for implementation in January 1988.

Issue A-035B

FHSR Update Study

Discussions with the NRC have resulted in the scope of this issue being increased to include a schedular exemption request. The indexing system and schedular exemption request have been submitted for NRC review and approval. Submittal of the indexing system completes the activities which were committed to be completed by 8/27/86. A final completion date will be established pending NRC review of our submittals.

Issue BN-050A2

Containment Isolation - On Line Testing of MSIV

The power source for the MSIV and several other valves (including position indication) was transferred from the station battery to the alternate shutdown battery as a result of fire protection modifications. Because the loads supplied by the alternate shutdown battery are few and continuous in nature, power demands can now be more accurately measured and attributed to a given component. An online testing procedure has been written and approved for implementation that involves the measurement of power drawn by the MSIV operator upon application of a temporary open/

close signal. Implementation of this procedure will allow better assessment of MSIV reliability.

The Nuclear Safety Department, utilizing probabilistic risk assessment techniques, is in the process of evaluating the desirability of installing a second valve. The evaluation is expected to be completed by the end of this year. This issue will be considered active until the evaluation results have been reviewed by the TRG.

Issue E-106

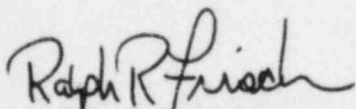
Remove Turbine Grating

Since the last semi-annual update, the possible alternatives to resolve this issue were more fully developed. Based on a significant increase in scope, this issue was presented to TRG a second time for review. During this review TRG reranked this issue from 15th to 29th out of 30 issues. Based on the new ranking and the fact that administrative controls have been implemented to alleviate the original personnel safety concern, resolution of this issue was rescheduled for completion during the 1988 refueling outage.

Issue BN-109

Backup High Range Stack Monitor

Project has been scheduled for installation prior to startup from next refueling outage.



Ralph R Frisch
Senior Licensing Analyst

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

Attachments

ATTACHMENT 1

Consumers Power Company
Big Rock Point Plant
Docket 50-155

ISSUE INDEX FOR THE
BIG ROCK POINT INTEGRATED PLAN

August 29, 1986

5 Pages

ISSUES BY ISSUE NUMBER

ISSUE NUMBER	ISSUE RANK	ISSUE DESCRIPTION	STATUS
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	18	CONTROL ROOM DESIGN REVIEW	ACTIVE
BN-006		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	27	INSTALLATION OF TELLTALES ON SHUTDOWN HEAT EXCHANGER	ACTIVE
B-010	-	VENTILATION FOR PANEL C-52	COMPLETE
B-011	-	RUCKER SYSTEM (STUDY)	COMPLETE
B-011A	2	TURBINE BYPASS SYSTEM IMPROVEMENTS	ACTIVE
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	15	RESOLUTION OF SEISMIC ISSUES	ACTIVE
B-015	-	CONTAINMENT ELECTRICAL PENETRATIONS	COMPLETE
B-016	5	SECONDARY SYSTEM INSTABILITIES	ACTIVE
B-017	-	PCS ISOLATION - PC SYSTEM	COMPLETE
B-018	8	HIGH PRESSURE RECYCLE	ACTIVE
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	20	WIND AND TORNADO LOAD & TORNADO MISSILE - SEP TOPICS III-2 & III-4.A	ACTIVE
B-026	-	ISI OF WATER CONTROL STRUCTURES	COMPLETE
B-027	-	SERVICE WATER/COOLING WATER SYSTEMS	COMPLETE
B-028	-	PROXIMITY OF TECTONIC STRUCTURES	COMPLETE

ISSUE NUMBER	ISSUE RANK	ISSUE DESCRIPTION	STATUS
B-029	-	TURBINE MISSILES	COMPLETE
A-030	-	RADIOLOGICAL EFFLUENT TECHNICAL SPECIFICATIONS	COMPLETE
B-031	-	DEFINITION OF OPERABILITY	COMPLETE
BN-032	7	EMERGENCY OPERATING PROCEDURE UPGRADE	ACTIVE
B-033	-	REFERENCE VOLUME CHAMBER REMOVAL	COMPLETE
B-034	-	CONTROL ROOM AIR CONDITIONING	COMPLETE
A-035B	26	FHSR UPDATE STUDY	ACTIVE
A-036	-	ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT (EEQ)	COMPLETE
B-036A	15	EEQ PROGRAM ENHANCEMENTS	ACTIVE
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
B-044	24	VERIFICATION OF BS&B VALVE DATA	ACTIVE
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	8	CLEANUP DEMINERALIZER SYSTEM PUMP BYPASS	ACTIVE
B-049	-	VENTILATION SYSTEMS	COMPLETE
B-050A1	-	MSIV BACKUP VALVES - LEAK TESTING	COMPLETE
BN-050A2	5	CONTAINMENT ISOLATION - ONLINE TESTING OF MSIV	ACTIVE
BN-050B	23	CONTAINMENT ISOLATION - LEAK TEST OF SERVICE AND INSTRUMENT AIR	ACTIVE
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

ISSUE NUMBER	ISSUE RANK	ISSUE DESCRIPTION	STATUS
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	30	DESIGN CODES, CRITERIA AND LOAD COMBINATIONS	ACTIVE
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
B-058	-	POST ACCIDENT SAMPLING	COMPLETE
B-059	-	MSLB OUTSIDE CONTAINMENT	COMPLETE
B-060	-	REVISED SECURITY PRINTS	COMPLETE
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	COMPLETE
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

ISSUE NUMBER	ISSUE RANK	ISSUE DESCRIPTION	STATUS
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	COMPLETE
B-079	-	CONTROL ROD MISOPERATION	COMPLETE
B-080	-	PERFORMANCE OF BWR SAFETY VALVES	COMPLETE
B-081	-	POSITION INDICATION OF PORV'S	COMPLETE
B-082	1	RDS RELIABILITY IMPROVEMENTS	ACTIVE
B-083	-	FULL STROKE TESTING OF REACTOR DEPRESSURIZATION VALVE	CANCELLED
B-084	-	SCRAM DUMP TANK VALVE - LACK OF REDUNDANCY (STUDY)	COMPLETE
B-084A	12	SCRAM DUMP TANK REDUNDANT VALVES	ACTIVE
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

<u>ISSUE NUMBER</u>	<u>ISSUE RANK</u>	<u>ISSUE DESCRIPTION</u>	<u>STATUS</u>
B-102	-	EQUIPMENT CLASSIFICATION - ALL SAFETY RELATED EQUIPMENT	COMPLETE
B-103	-	POST MAINTENANCE TESTING - ALL SAFETY RELATED EQUIPMENT	COMPLETE
B-104	24	CORE SPRAY PUMP SUCTION STRAINER BLOCKAGE	ACTIVE
B-105	-	REACTOR DEPRESSURIZATION SYSTEM HANGER REPLACEMENT	COMPLETE
B-106	29	REMOVE TURBINE GRATING	ACTIVE
B-107	-	FLOOD ANNUNCIATION	CANCELLED
B-108	-	MAIN STEAM LINE DRAIN ISOLATION	COMPLETE
BN-109	28	BACKUP HIGH RANGE STACK MONITOR	ACTIVE
B-110	20	LIGHTNING PROTECTION	ACTIVE
B-111	10	REPLACEMENT OF NEUTRON MONITORING INSTRUMENTATION	ACTIVE
A-112	13	ALTERNATE ROD INJECTION	ACTIVE
B-113	13	RELIEF VALVE FAILURES INVESTIGATION	ACTIVE
B-114	20	RECIRCULATION PUMP ROOM LIGHTING	ACTIVE
B-115	3	CONDENSER MAKEUP WATER/CORE SPRAY INVESTIGATION	ACTIVE
B-116	10	CLEANUP DEMIN PIT ACCESS HANDRAIL	ACTIVE
B-117	4	REPLACE DIESEL FIRE PUMP ENGINE	ACTIVE
B-118	15	UNDER WATER FILTERING SYSTEM FOR SPENT FUEL POOL	ACTIVE

ATTACHMENT 2

Consumers Power Company

Big Rock Point Plant

Docket 50-155

BIG ROCK POINT INTEGRATED PLAN

OPEN ISSUES

August 29, 1986

11 Pages

PAGE 1

08/28/86

BIG ROCK POINT PLANT
INTEGRATED PLAN
TYPE ' A ' PROJECTS

ISSUE NUMBER	RANK	ISSUE TITLE	PLAN SCHEDULED COMPLETION DATE
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A -035B 639	26	FHSR UPDATE STUDY	00-00-00
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SCOPE:
FINALIZE THE DESIGN AND IMPLEMENTATION
OF A COMPUTERIZED DOCUMENT INDEXING SYSTEM
AS A SUBSTITUTE FOR AN UPDATED FHSR, SUBMIT
SCHEDULAR EXEMPTION AND RESOLVE NRC
CONCERNS.

STATUS:
INDEXING SYSTEM AND SCHEDULAR EXEMPTION
SUBMITTED FOR NRC REVIEW ON 8/27/86. FINAL
COMPLETION DATE TO BE ESTABLISHED PENDING
NRC REVIEW OF OUR SUBMITTALS.

A -112 685	13	ALTERNATE ROD INJECTION	09-30-86
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SCOPE:
PERFORM ADDITIONAL RISK BASED EVALUATIONS
TO DETERMINE THE EFFICACY OF ALTERNATE ROD
INJECTION (10CFR50.62).

STATUS:
RISK ASSESSMENT EVALUATION ON SCHEDULE FOR
COMPLETION 9/30/86. SUBMITTAL TO NRC WILL
OCCUR FOLLOWING PRESENTATION OF RESULTS TO
TRG.

08/28/86

BIG ROCK POINT PLANT
INTEGRATED PLAN
TYPE ' BN ' PROJECTS

PLAN
SCHEDULED
COMPLETION
DATE

ISSUE NUMBER	RANK	ISSUE TITLE
BN-005 530	18	CONTROL ROOM DESIGN REVIEW

03-01-87

SCOPE:
ISSUES TO BE ADDRESSED ARE THE HED'S
ASSESSMENT AND PROPOSED CORRECTIVE ACTION,
DEVELOPMENT OF ONGOING HUMAN FACTORS PROGRAM
AND JUSTIFICATION THAT INSTALLED CONTROL
ROOM EQUIPMENT SATISFIES SPDS NEEDS.

STATUS:
VALIDATION WALKTHROUGHS FOR ATWS AND FIRES
COMPLETED WEEK OF 7/21. VERIFICATION
COMPLETED FOR START UP TASK ANALYSIS AND
HED'S FOR THIS HAVE BEEN GENERATED.

BN-006 634		SAFETY PARAMETER DISPLAY SYSTEM
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03-01-87

SCOPE:
WRITE AND SUBMIT SPDS SAFETY ANALYSIS
PACKAGE FOR NRC REVIEW AND APPROVAL.
DECLARE SPDS OPERATIONAL.

STATUS:
SAFETY ANALYSIS PACKAGE WILL BE SUBMITTED
FOR NRC REVIEW AND APPROVAL BY MARCH 1, 1987.
SPDS OPERATIONAL DATE WILL BE DETERMINED
AFTER IT IS DETERMINED IF ADDITIONAL HARDWARE
WILL BE REQUIRED. REFERENCE ISSUE BN-005

BN-014A 699	15	RESOLUTION OF SEISMIC ISSUES
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88 REF OUT

SCOPE:
PERFORM MODIFICATIONS TO UPGRADE "0.0G" WEAK
LINK COMMITMENTS.

STATUS:
FIVE PROPOSED SEISMIC UPGRADE MODIFICATIONS
WERE RANKED BY THE TRG AT THE OCTOBER 8, 1985
TRG MEETING. PROJECT SCOPE AND SCHEDULE HAVE
BEEN INITIATED.

08/28/86

BIG ROCK POINT PLANT
INTEGRATED PLAN
TYPE ' BN ' PROJECTS

PLAN
SCHEDULED
COMPLETION
DATE

ISSUE NUMBER	RANK	ISSUE TITLE
BN-025 638	20	WIND AND TORNADO LOADING

00-00-00

SCOPE:
SEP TOPIC III-2 AND III-4A. UPDATE ANALYSIS
REFLECTING INTEGRATION WITH NEW QUALIFIED
ALTERNATE SHUTDOWN PANEL BUILDING.

STATUS:
RESOLUTION OF NRC COMMENTS AND REV. OF RISK
ANALY. TO INCLUDE ASD BLDG WILL COMMENCE 4TH
QTR 86. IF ADD STRUCT. ANAL., GEN. OF FRAGIL-
ITIES OR SITE SPECIFIC PROBABILISTIC TREATMT
OF MISSILES IS REQ'D, WORK SCOPE WILL BE PRE-
SENTED TO TRG & SCHEDULE EST. 1ST QTR 87.

BN-032 531	7	EMERGENCY OPERATING PROCEDURES UPGRADE
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88 REF 001

SCOPE:
FINALIZE PLT SPEC TECH GUIDELINES. PREPARE
BASES DOC. FOR PLT SPEC GUIDELINES. SUBMIT
PROC GEN PKG TO NRC. DRAFT EOP FLOW CHARTS.
BEGIN OPERATOR TRNG. IMPLEMENT AND COMPLETE
VALIDATION & VERIFICATION PROGRAM. INCORP
NRC COMMENTS. COMPLETE OPERATOR TRAINING.

STATUS:
RADIOACTIVE RELEASE GUIDELINES MUST BE
DEVELOPED. GENERAL AND SPECIFIC CAUTIONS FOR
ALL GUIDELINES TO BE WRITTEN. PROCEDURE GEN-
ERATION PACKAGE TO BE SUBMITTED TO NRC IN DEC
1986. BECAUSE THE 87 REFOUT HAS BEEN MOVED
TO 1988 THE COMPLETION DATE HAS BEEN SHIFTED.

BN-050A2 495	5	CONTAINMENT ISO - ON-LINE TEST OF MSIV
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87 REF 001

SCOPE:
PROVIDE ON-LINE TEST CAPABILITY FOR THE MAIN
STEAM ISOLATION VALVE.

STATUS:
A PROCEDURE TO TEST THE MSIV HAS BEEN WRITTEN
AND APPROVED FOR IMPLEMENTATION. IN ADDITION,
NUCLEAR SAFETY DEPARTMENT EVALUATING DESIR-
ABILITY OF INSTALLING SECOND VALVE USING PRA
TECH.

08/28/86

BIG ROCK POINT PLANT
INTEGRATED PLAN
TYPE ' BN ' PROJECTS

PLAN
SCHEDULED
COMPLETION
DATE

ISSUE NUMBER	RANK	ISSUE TITLE
BN-050B 494	23	LEAK RATE TEST ON SERVICE AND INSTRUMENT AIR

87 REF OUT

SCOPE:
PROVIDE A LEAK TEST PROGRAM FOR INSTRUMENT
AND SERVICE AIR LINE CONTAINMENT ISOLATION
CHECK VALVES. PERFORM TEST.

STATUS:
PRELIMINARY ENGINEERING UNDERWAY. TEST
PROCEDURE BEING DRAFTED. SPARE CHECK VALVE
IN STOCK ROOM. WORK WILL BE DONE ON
MAINTENANCE ORDER.

BN-051 640	30	DESIGN CODES, CRITERIA AND LOAD COMBINATIONS
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00-00-00

SCOPE:
REVIEW WORK PERFORMED BY CONTRACTORS ON
SEISMIC, WIND AND TORNADO MISSILES. REVIEW
ORIGINAL PLANT STRUCTURAL DESIGN/ANALYSES
TO IDENTIFY POTENTIAL STRUCTURES, SYSTEMS
AND COMPONENTS FOR MODIFICATION.

STATUS:
REVIEW OF HOW TO COLLECTIVELY INTERRELATE SEP
TOPIC III-2, 4.A, 5.A & 6 FOR INPUT TO
STRUCTURAL ANALYSES IS TO BE COMPLETED BY
12/31/86. OVERALL COMPLETION DATE DEPENDS
ON POTENTIAL MODIFICATIONS RESULTING FROM
THESE REVIEWS.

BN-109 592	28	BACKUP HIGH RANGE STACK MONITOR (ROUTE RGEM EXHAUST TO "OLD" MONITOR)
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87 REF OUT

SCOPE:
ROUTE THE EXHAUST OF THE HIGH RANGE STACK
MONITOR THROUGH THE "OLD" HIGH RANGE STACK
MONITOR SHIELDING AS A BACKUP MONITOR.

STATUS:
ENGINEERING IS COMPLETE WITH ANTICIPATED
INSTALLATION PRIOR TO STARTUP FROM NEXT
REFUELING OUTAGE.

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08/28/86

BIG ROCK POINT PLANT
INTEGRATED PLAN
TYPE ' B ' PROJECTS

PLAN
SCHEDULED
COMPLETION
DATE

ISSUE NUMBER	RANK	ISSUE TITLE
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B -009A 544	27	INSTALL TELLTALLES ON SCS HT EXCH
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87 REF OUT

SCOPE:
REQUIRES ROUTING DISCHARGE FROM SHUTDOWN
HEAT EXCHANGER AND NON-REGEN HEAT EXCHANGER
RELIEF VALVES TO A POINT VISIBLE TO THE
OPERATORS. NEED TO PROCURE PIPE, INSTALL
AND REVISE DRAWINGS. NON-SAFETY RELATED.

STATUS:
ENGINEERING OF PROJECT IS NEARLY COMPLETE.
ANTICIPATE INSTALLATION DURING 87 REFUELING
OUTAGE. MATERIALS HAVE BEEN PROCURED.

B -011A 794	2	RECOMMENDATIONS FOR TURBINE BYPASS SYSTEM
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07-01-87

SCOPE:
CHECK INTEGRITY OF CONNECTION BETWEEN
HYDRAULIC CYLINDER AND MAIN VALVE STEM.
PURGE AIR FROM HYDRAULIC PIPING AFTER
REPAIRS. DEVELOP TEST PROGRAM FOR HYDRAULIC
SYSTEM. CHECK TIGHTNESS OF TRANSDUCER COUPL-
ING TO VALVE STEM. ADJ. SERVO-AMP. GAIN.

STATUS:
MAINTENANCE ORDERS TO CHECK CONNECTION OF
HYDRAULIC CYLINDER AND TRANSDUCER REVEALED NO
LOOSE CONNECTIONS. HYDRAULIC SYSTEM TEST
PROCEDURE IN PRELIMINARY DRAFT.

B -016 557	5	SECONDARY SYSTEM INSTABILITIES
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12-31-86

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

STATUS:
ANALYSIS CURRENTLY IN PROGRESS.

08/23/86

BIG ROCK POINT PLANT
INTEGRATED PLAN
TYPE ' B ' PROJECTS

ISSUE NUMBER	RANK	ISSUE TITLE	PLAN SCHEDULED COMPLETION DATE
B -018 636	8	HIGH PRESSURE RECYCLE	88 REF OUT
		SCOPE: IMPLEMENTATION THROUGH UPGRADED EMERGENCY OPERATING PROCEDURES.	STATUS: COMPLETE, PENDING FINAL IMPLEMENTATION OF EOP'S.
B -036A 713	15	EEQ PROGRAM ENHANCEMENTS	07-01-88
		SCOPE: REVIEW & REVISE THE ADMIN. PROCEDURES TO PROVIDE ADDITIONAL EEQ PROGRAM CONTROL. REVISE EXISTING EEQ FILES TO PROVIDE MORE CONSISTENT FORMAT WITH NEW LOCA PROFILE AND COMPONENT SHEETS (COMPUTER FORM).	STATUS: SEVEN OF 51 EXISTING EEQ FILES REVISED.
B -044 422	24	VERIFICATION OF BS&B VALVE DATA	12-31-87
		SCOPE: THIS IS AN ONGOING PROJECT. VALVE OPERATING DATA IS NEEDED FOR 28 OF 56 VALVES.	STATUS: DUE TO ALARA CONSIDERATIONS, THE REMAINING DATA WILL BE COLLECTED WHEN VALVE MAINTENANCE IS REQUIRED. VALVE DATA HAVE BEEN GATHERED FOR 28 VALVES. INSTRUMENT DATA SHEETS UPDATED. AS DATA IS GATHERED, SHEETS WILL BE UPDATED. NO CHANGE IN COMPLETION DATE.

08/28/86

BIG ROCK POINT PLANT
INTEGRATED PLAN
TYPE ' B ' PROJECTS

PLAN
SCHEDULED
COMPLETION
DATE

ISSUE NUMBER	RANK	ISSUE TITLE
B -048A 415	8	INSTALL BY-PASS LINE AROUND CLEANUP DEMIN SYSTEM PUMP

12-31-86

SCOPE:
SEPARATE OPERATION OF CLEANUP PUMP AND
DISCHARGE VALVE CV-4042. INSTALL CONTROL
SWITCH FOR BYPASS LINE.

STATUS:
BYPASS LINE INSTALLED. ENGINEERING DESIGN
CHANGE FOR ELECTRIC CIRCUITRY FOR P-5 AND
CV-4042 TO INTERFACE WITH BYPASS LINE IS
COMPLETE AND AWAITING ALL NECESSARY REVIEWS,
AND TESTING.

B -082 489	1	RDS RELIABILITY IMPROVEMENTS
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87 REF OUT

SCOPE:
1. RESEARCH SYSTEM HISTORY.
2. DEVELOP LIST OF POSSIBLE SYSTEM
IMPROVEMENTS.
3. PROGRAM PLAN FOR SYSTEM MODIFICATION.
4. INITIATE AND IMPLEMENT FACILITY CHANGES.
5. INVESTIGATE FULL STROKE TEST METHODS.

STATUS:
PURCHASE OF 4 NEW PILOT VALVES & VALVE TOPS
IN PROGRESS. INSTALLATION TO BE 1987 REFOUT.
CONSIDERATION OF METHODS TO PERFORM IN PLACE
FULL STROKE TEST OF TARGET ROCK VALVES IN
PROGRESS. DATE FOR RESOLVING FULL STROKE
TEST ISSUE UNKNOWN.

B -084A 487	12	REDUNDANT VALVES FOR SCRAM DUMP TANK
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87 REF OUT

SCOPE:
ADD DOUBLE ISOLATION TO SCRAM DUMP TANK
VENT LINE AND DRAIN LINE. NEED TO COMPLETE
DETAILED ENGINEERING INCLUDING PIPING
ANALYSIS AND PROCURE VALVES FOR INSTALLATION.

STATUS:
ENGINEERING IS IN PROGRESS. VALVES HAVE BEEN
PROCURED WITH ANTICIPATED INSTALLATION DURING
87 REFUELING OUTAGE.

08/28/86

BIG ROCK POINT PLANT
INTEGRATED PLAN
TYPE ' B ' PROJECTS

PLAN
SCHEDULED
COMPLETION
DATE

ISSUE NUMBER	RANK	ISSUE TITLE
B -104 521	24	CORE SPRAY PUMP SUCTION STRAINER BLOCKAGE

09-01-87

SCOPE:
INVESTIGATE THE POSSIBILITY OF BACKFLUSHING
THE SUCTION STRAINER SCREENS OR ADDING
INSTRUMENTATION TO DETERMINE PUMP BLOCKAGE.

STATUS:
PRELIMINARY INVESTIGATION IN PROGRESS. BACK-
GROUND INFORMATION IN CONJUNCTION WITH THE
VARIOUS ALTERNATIVES TO RESOLVE THIS ISSUE IS
BEING RESEARCHED.

B -106 573	29	REMOVE TURBINE GRATING
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88 REF OUT

SCOPE:
MODIFY GRATING INSIDE TURBINE DOOR TO ALLOW
IT TO BE REMOVED TO ACCOMODATE PERSONNEL
ACCESS.

STATUS:
PLANT HAS IMPLEMENTED ADMINISTRATIVE CONTROLS
THAT PRECLUDE THE NEED TO MAKE THE MODIFICA-
TIONS COVERED BY THIS ISSUE. TRG HAS
RERANKED PROJECT. NEW COMPLETION DATE
CONSIDERING EXISTING WORKLOAD AND PLANT
PRIORITY HAS BEEN ESTABLISHED.

B -110 582	20	LIGHTNING PROTECTION
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12-31-86

SCOPE:
PERFORM MODIFICATIONS RECOMMENDED IN MEMO
LARK 02-84 (PARAGRAPHS 1,2 AND 3).

STATUS:
PRELIMINARY DESIGN PACKAGE GENERATED.
FC PRELIMINARY ENG. PACKAGE HAS BEEN PRC
REVIEWED AND APPROVED.

08/28/86

BIG ROCK POINT PLANT
INTEGRATED PLAN
TYPE ' B ' PROJECTS

PLAN
SCHEDULED
COMPLETION
DATE

ISSUE NUMBER	RANK	ISSUE TITLE
B -111 662	10	REPLACEMENT OF NEUTRON MONITORING SYSTEM

89 REF OUT

SCOPE:
FC-599 A,B, & C. REPLACEMENT OF NEUTRON
MONITORING INSTRUMENTS (STARTUP, LOGN AND
POWER RANGE), PROCESS AND AREA MONITORS.

STATUS:
EQUIP DELIVERY FOR CH 6 & 7 IS 9/30/86 WITH
INSTALLATION 87 REFOUT. EQUIP DELIVERY FOR
CH 1 - 5 IN 1987; INSTALLATION 88 REFOUT.
EQUIP DELIVERY FOR AREA & PROCESS MONITORS
IN 1989; INSTALLATION 89 REFOUT.

B -113 549	13	RELIEF VALVE FAILURES INVESTIGATION
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06-30-87

SCOPE:
DETERMINE THE INCONSISTENT SET POINT
MEASUREMENTS OF RV'S. EVALUATION OF SYSTEM
SET POINTS, SET POINT TOLERANCES, TEST STAND
APPARATUS AND SET POINT PROCEDURES.

STATUS:
INFORMATION BEING DRAWN FROM OTHER UTILITY
PROGRAMS (RV TESTING). PO ISSUED FOR PRE-
CISION DIGITAL GAGE FOR BRP RV TEST PROGRAM.
RECOMMENDATIONS GIVEN TO PRC ON 5/22/86.
PROCEDURES (NEW/REVISED) BEING DRAFTED FOR
ESTABLISHING SET POINTS ON VALVES.

B -114 696	20	RECIRC. PUMP ROOM LIGHTING
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88 REF OUT

SCOPE:
INSTALL SEMI-PERMANENT LIGHTING UNDER THE
STEAM DRUM AREA. SEPARATE ELECTRICAL CIRCUIT
FOR NORMAL AND EMERGENCY LIGHTING IN RCP
ROOM/STEAM DRUM AREA.

STATUS:
MAINTENANCE ORDER WRITTEN FOR INSTALLATION
OF SEMI-PERMANENT LIGHTING. ANTICIPATE
INSTALLATION DURING 87 REFUELING OUTAGE.
SEPARATION OF ELECTRICAL CIRCUITS WILL BE
PERFORMED DURING 88 REFUELING OUTAGE.

08/28/86

BIG ROCK POINT PLANT
INTEGRATED PLAN
TYPE ' B ' PROJECTS

PLAN
SCHEDULED
COMPLETION
DATE

ISSUE NUMBER	RANK	ISSUE TITLE	PLAN SCHEDULED COMPLETION DATE
B -115 515	3	CONDENSER MAKEUP H2O / CORE SPRAY INVEST. SCOPE: EVALUATE ALTERNATE MAKEUP WATER TO HOTWELL/ CORE SPRAY AND PROVIDE RECOMMENDATIONS TO TRG FOR POTENTIAL PLANT MODIFICATION.	12-31-87 STATUS: PROJECT HAS ASSIGNED. WORK TO BEGIN UPON COMPLETION OF OTHER PROJECTS CURRENTLY IN PROGRESS.
B -116 697	10	CLEAN-UP DEMIN PIT ACCESS - HANDRAIL SCOPE: PROVIDE A SAFE MEANS OF ACCESSING THE BOTTOM OF THE CLEAN-UP DEMIN PIT WHILE AVOIDING EQUIPMENT DAMAGE.	87 REF OUT STATUS: ENGINEERING IN PROGRESS FOR MODIFICATION INSTALLATION 87 REFOUT.
B -117 714	4	REPLACE DIESEL FIRE PUMP ENGINE SCOPE: PROCURE AND INSTALL A NEW DIESEL ENGINE DRIVE FOR FIRE PUMP P-7.	87 REF OUT STATUS: THE REPLACEMENT OF A DIESEL ENGINE DRIVE FOR P-7 WITH A COMPATIBLE DRIVE FOR DRIVING A RIGHT ANGLE GEAR HAS BEEN INITIATED AND PRELIMINARY SCOPE IS COMPLETE.

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BIG ROCK POINT PLANT
INTEGRATED PLAN
TYPE ' B ' PROJECTS

ISSUE
NUMBER

RANK

ISSUE
TITLE

PLAN
SCHEDULED
COMPLETION
DATE

B -118
705

15

UNDERWATER FILTERING SYSTEM FOR SFP

12-31-86

SCOPE:
INSTALL UNDERWATER FILTERING SYSTEM FOR THE
SPENT FUEL POOL.

STATUS:
CONCEPTUAL DESIGN PACKAGE AND SOME DETAILED
ENGINEERING COMPLETED. PACKAGE ROUTED FOR
PRC REVIEW. ATP FOR UFU 250 UNIT PREPARED.
COST ESTIMATE FOR CONSTRUCTION MATERIALS
EXPECTED FROM RYERSON.