



Carolina Power & Light Company

Brunswick Nuclear Project  
P. O. Box 10429  
Southport, NC 28461-0429

APR 8 1991

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Mr. S. D. Ebnetter, Administrator  
U. S. Nuclear Regulatory Commission  
Suite 2900  
101 Marietta Street, NW  
Atlanta, GA 30323

BRUNSWICK STEAM ELECTRIC PLANT UNITS 1 & 2  
DOCKET NOS. 50-324, 50-325  
LICENSE NOS. DPR-62, DPR-71  
INTEGRATED ACTION PLAN STATUS

Dear Mr. Ebnetter:

Enclosed is our monthly status report on the Brunswick Integrated Action Plan.  
Please give me a call if you have any questions concerning this report.

Very truly yours,

R. B. Starkey, Jr., Vice President  
Brunswick Nuclear Project

WWS  
3/11/91  
KMC/cj  
Enclosure

cc: BSEP Resident Office  
Mr. K. B. Altman  
Mr. R. E. Carroll  
Mr. L. I. Loflin  
Mr. J. W. Spencer

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Carolina Power & Light Company

Company Correspondence

Brunswick Nuclear Project

APR 3 1991

MEMORANDUM TO: Mr. R. A. Watson

FROM: R. B. Starkey, Jr.

SUBJECT: Monthly Status Report - Integrated Action Plan

As of the end of February 1991, 56 of 64 Level 1 Action Items are reported as complete. Of the 291 Level 2 Action Items, 274 (94.2%) are complete.

Changes to IAP Level 1 Target Dates in this report are as follows:

- D5, "Implement Recommendations of HPCI Reliability - Centered Maintenance Study," slid from February 1991 to May 1991. The need for a new Maintenance procedure has been identified as part of D5c, and is now being drafted.
- B7, "Construct Permanent Office Building," has moved forward seven months from October 1993 to March 1993. The bidding processes for design work (B7d) and construction (B7f) have been combined to produce this schedule improvement. (IAP B7f has been removed from the report, reducing the number of Level 2 Action Items from 292 to 291.)

Independent reviews are in progress on many IAP Action Items, as noted in the "Comments" column of the attached Status Report. Effectiveness reporting schedules have been established on all of the IAP Action Items which we are reporting as complete.

6445/141  
3/31/91  
KMC/cj

*W. B. Starkey, Jr.*

Attachment

cc: Mr. H. R. Banks  
Mr. R. M. Barrett  
Mr. J. M. Brown  
Ms. K. M. Core  
Mr. C. R. Dietz  
Mr. M. R. Foss  
Mr. M. D. Hill  
Mr. J. R. Holder  
Mr. M. A. Jones

Mr. B. P. Leonard  
Mr. J. P. Leviner  
Mr. A. M. Lucas  
Mr. L. H. Martin  
Mr. B. D. McFeaters  
Ms. P. D. Morris  
Mr. J. W. Moyer  
Mr. R. C. Phillips  
Mr. B. R. Poteat

Mr. R. B. Richey  
Mr. W. W. Simpson  
Mr. M. S. Staton  
Mr. J. C. Tittrington  
Ms. M. S. Timberlake  
Mr. G. E. Vaughn  
Mr. R. L. Warden  
Ms. S. V. Williams

**BRUNSWICK NUCLEAR PROJECT**  
**INTEGRATED ACTION PLAN STATUS: February 28, 1991**

IAP NO.	ACTION ITEM	MANAGER	ORIGINAL DATE	TARGET DATE	COMMENTS
A1	COMMUNICATION STRATEGY FOR GOALS, PRIORITIES, EXPECTATIONS	Starkey BNP	12/31/90	Complete	An Independent Review has been completed by Audit Services. This Action Item has been closed by the NRC, Report 90-37, dated 10/18/90.
A2	IMPROVE EXTERNAL RELATIONSHIPS	Watson NGG	01/31/90	Complete	An independent Review has been completed by Corporate QA.
B1	IMPLEMENT TECHNICAL SUPPORT IMPROVEMENTS	Helme Tech Support	09/30/90	Complete	An Independent Review by Audit Services is in progress. This Action Item has been closed by the NRC, Report 90-16, dated 05/02/90.
B2	IMPLEMENT NED ORGANIZATIONAL IMPROVEMENTS	Brown NED	06/30/90	Complete	An Independent Review has been completed by Management Services. The NRC considers this Action item "open."
B3	IMPLEMENT NUCLEAR TRAINING ORGANIZATIONAL IMPROVEMENTS	Leonard BTU	06/30/90	Complete	An Independent Review is in progress by Management Services. This Action Item has been closed by the NRC, Report 90-39, dated 10/05/90.
B4	IMPLEMENT CONTROL & ADMINISTRATION ORGANIZATIONAL IMPROVEMENTS	Simpson C&A	12/31/89	Complete	An Independent Review is in progress by Management Services.
B5	IMPLEMENT NUCLEAR PLANT SUPPORT ORGANIZATIONAL IMPROVEMENTS	Hill NPS	06/30/90	Complete	An Independent Review has been completed by Management Services.

\*Indicates change from last month's report.

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**BRUNSWICK NUCLEAR PROJECT**  
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IAP NO.	ACTION ITEM	MANAGER	ORIGINAL DATE	TARGET DATE	COMMENTS
B6	IMPLEMENT OUTAGE MANAGEMENT & MODIFICATIONS ORGANIZATIONAL IMPROVEMENTS	Holder OM&M	12/31/89	Complete	An Independent Review has been completed by Audit Services. The NRC considers this Action Item "open."
B7	Construct Permanent Office Building	Johnson OM&M	10/31/93	03/30/93*	*Combined design/build reflects an earlier completion date. Date includes Phase II: parking and paving.
	a. Develop a Brunswick Site Facilities Plan	Broadway Mgmt. Svcs	09/30/90	Complete	
	b. Provide project scope and funding to the Nuclear Engineering Department, to begin site investigation and development of a request for bids.	Simpson C&A	09/30/90	Complete	
	c. Complete site investigation and issue requests for bids.	Johnson OM&M	03/31/91	04/15/91	
	d. Award bid for design/build contract.*	Johnson OM&M	05/31/91	05/31/91	*Combined design and construction bids under one contract.
	e. Complete site preparation.	Johnson OM&M	05/31/92	05/31/92	
	f. Award bid for construction.	Johnson OM&M	06/30/92		*See d. comments.

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**BRUNSWICK NUCLEAR PROJECT**  
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IAP NO.	ACTION ITEM	MANAGER	ORIGINAL DATE	TARGET DATE	COMMENTS
	g. Complete construction and begin relocation of personnel.	Johnson OM&M	10/31/93	11/01/92*	*Reflects completion of building only.
C1	IMPLEMENT CORPORATE NUCLEAR PRIORITIZATION PROCESS	Wagoner OM&M	06/30/90	Complete	An Independent Review has been completed by Management Services. The NRC considers this Action Item "open."
C2	ESTABLISH NED BUDGET ITEM FOR GENERIC WORK	Brown NED	12/31/89	Complete	An Independent Review has been completed by Management Services.
C3	ESTABLISH BUDGET & RELEASE PROCESS FOR NON-IPBS ENGINEERING	Wagoner OM&M	12/31/89	Complete	An Independent Review is in progress by Management Services.
C4	DEVELOP LONG RANGE PLANNING BUDGETS FOR EMERGING ISSUES/REGULATIONS	Vaughn NSD	12/31/90	Complete	An Independent Review has been completed by Management Services.
D1	RESOLVE SURVEILLANCE TEST PROGRAM QUESTIONS	Starkey BNP	03/31/90	Complete	An Independent Review has been completed by Audit Services. The NRC considers this Action Item "open."
D2.1	IMPROVE MANAGEMENT OF MAINTENANCE BACKLOG	Warden Maintenance	06/30/90	Complete	An Independent Review has been completed by Management Services. The NRC considers this Action Item "open."

\*Indicates change from last month's report.

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**BRUNSWICK NUCLEAR PROJECT**  
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IAP NO.	ACTION ITEM	MANAGER	ORIGINAL DATE	TARGET DATE	COMMENTS
D2.2	STRENGTHEN MAINTENANCE PLANNING FUNCTIONS	Warden Maintenance	06/30/90	Complete	An Independent Review has been completed by Management Services. The NRC considers this Action Item "open."
D3	FINE TUNE MOV MAINTENANCE PROGRAM	Warden Maintenance	06/30/90	Complete	*The NRC considers this Action Item "open."
D4	DEVELOP POST-MAINTENANCE TESTING FOR ASME CODE REPAIRS	Helme Tech Support	10/15/89	Complete	An Independent Review has been completed by BNP Site QA. The NRC considers this Action Item "open."
D5	Implement Recommendations of HPCI Reliability-Centered Maintenance Study	Helme Tech Support	12/31/90	05/31/91*	*Need for a new Maintenance procedure has been identified, and is being prepared.
	a. Review HPCI RCM and list recommendations, evaluate and prioritize recommendations, categorize recommendations, perform cost/benefit analysis of recommendations, and perform potential problem analysis.	Helme Tech Support	02/15/90	Complete	
	b. Obtain management direction on recommendations.	Helme Tech Support	03/31/90	Complete	
	c. Implement changes requiring procedure revisions only.	Helme Tech Support	09/01/90	05/31/91*	*Procedure revisions are complete. A new Maintenance procedure is required which is now being developed.

\*Indicates change from last month's report.

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**BRUNSWICK NUCLEAR PROJECT**  
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IAP NO.	ACTION ITEM	MANAGER	ORIGINAL DATE	TARGET DATE	COMMENTS
	d. Initiate PID's on items requiring modifications, if any.	Helme Tech Support	07/01/90	Complete	
	e. Obtain vendor concurrence on recommendations affecting vendor recommendations.	Helme Tech Support	09/01/90	Complete	
	f. Initiate diesel generator RCM in conjunction with CNS SSFI on diesel generators, by performing actions in (a.) above for diesels.	Helme Tech Support	10/31/90	Complete	
	g. Present results to management of HPCI work to date.	Helme Tech Support	09/01/90	Complete	
	h. Establish program to review impact of HPCI RCM quarterly.	Helme Tech Support	09/01/90	Complete	
	i. Assess value of RCM for RCIC and other safety systems.	Helme Tech Support	12/01/90	Complete	
	j. Repeat actions of HPCI RCM for diesel generators, starting with (b.) above.	Helme Tech Support	11/01/90	Complete	
	k. Present results of RCIC and other safety systems' RCM review to management with recommendations.	Helme Tech Support	12/31/90	Complete	
D6	ADDRESS SERVICE WATER SYSTEM DESIGN ISSUES	Brown NED	11/30/90	Complete	*This Action Item has been closed by the NRC, Report 91-01, dated 02/12/91.

\*Indicates change from last month's report.

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**BRUNSWICK NUCLEAR PROJECT**  
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IAP NO.	ACTION ITEM	MANAGER	ORIGINAL DATE	TARGET DATE	COMMENTS
D7	Confirm Design Basis for Key Brunswick Systems	Brown NED	12/31/91	12/31/93	The scope of this Action Item has been greatly increased. The NRC considers this Action Item "open."
	a. Complete the United Engineers & Constructors (UE&C) and General Electric System Design Criteria Turnover Project.	Bishop NED	12/31/91	12/31/93*	*The GE design basis document effort has 13 of 15 DBDs now working. The CP&L licensing file search is 100% complete. Engineering historical file searches are approximately 65% complete.
	b. Complete the UE&C Piping Design Turnover Project.	Langlois NED	12/31/91	12/31/91	Schedule completion being monitored by large and small bore piping system milestone date charts.
	c. Evaluate the results of the SW modification review and SSFI findings and the HPCI and SLC SSFI results, and commitment date. Management is to identify and document any further necessary actions.	Brown NED Bishop NED	06/30/90	Complete	
D8	COMPLETE UPDATE OF CORPORATE AND SITE DESIGN PROCEDURES	Brown NED	03/31/90	Complete	An Independent Review has been completed by Audit Services. This Action Item has been closed by the NRC, Report 90-16, dated 05/02/90.
D9	IMPLEMENT CORRECTIVE ACTION PROGRAM IMPROVEMENTS	Spencer BSEP	04/30/90	Complete	The NRC considers this Action Item "open."

\*Indicates change from last month's report.

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**BRUNSWICK NUCLEAR PROJECT**  
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IAP NO.	ACTION ITEM	MANAGER	ORIGINAL DATE	TARGET DATE	COMMENTS
D10	DEVELOP AND INSTITUTIONALIZE CORPORATE CORRECTIVE ACTION PROGRAM	Vaughn NSD	12/31/90	Complete	The NRC considers this Action Item "open."
D11	DEVELOP CORPORATE PROGRAM FOR CONSISTENT PERFORMANCE OF SAFETY REVIEWS	Crawford CNS	02/15/90	Complete	The NRC considers this Action Item "open."
D12	IMPROVE BUSINESS PLANNING PROCESS	Simpson C&A	06/30/90	Complete	An Independent Review has been completed by Management Services.
D13	REVIEW BNP PROCEDURES FOR COMPLIANCE WITH PAM INTENT	Kesmodel* C&A	04/01/90	Complete	An Independent Review has been completed by Audit Services. The NRC considers this Action Item "open."
D14	IMPROVE CONSISTENCY OF PROCUREMENT PROCESSES BY NUCLEAR PLANTS	Hill NPS	10/01/90	Complete	An Independent Review is in progress by Management Services.
D15	REQUIRE NUCLEAR SERVICES DEPARTMENT INVOLVEMENT IN REGULATORY DRIVEN MODIFICATIONS	Vaughn NSD	12/31/90	Complete	
D16.1	INCREASE ROLE OF NUCLEAR PLANT SUPPORT IN DEVELOPMENT OF CONSISTENCY AMONG NUCLEAR PLANTS	Vaughn NSD	12/31/90	Complete	An Independent Review has been completed by Management Services.

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**BRUNSWICK NUCLEAR PROJECT**  
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IAP NO.	ACTION ITEM	MANAGER	ORIGINAL DATE	TARGET DATE	COMMENTS
D16.2	FORMALIZE INITIATIVES TO STANDARDIZE PROCESSES AND PROCEDURES	Vaughn NSD	12/31/90	Complete	An Independent Review has been completed by Management Services.
D17	INCREASE USE OF ISD'S DIRECTIVES AND RESOURCES	Simpson C&A	12/31/89	Complete	An Independent Review has been completed by Management Services.
D18	Submit Simulator Certification	Leonard BTU	12/31/90	03/15/91	Utilization of the simulator for additional operator training has impacted certification testing and modifications. The NRC considers this Action Item "open."
	a. Integrate and complete the test program for the upgraded boiler/core models.	Geise BTU	03/01/90	Complete	
	b. Complete test program required for certification.	Geise BTU	09/01/90	Complete	
	c. Complete document to support certification.	Geise BTU	12/01/90	Complete*	
	d. Submit certification package to management for review.	Geise BTU	12/01/90	Complete*	
	e. Submit package to NRC.	Geise BTU	12/31/90	03/15/91	
D19.1	IMPLEMENT SYSTEM FOR RESPONDING TO TRAINING REQUESTS	Leonard BTU	05/31/90	Complete	An Independent Review is in progress by Management Services.

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**BRUNSWICK NUCLEAR PROJECT**  
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IAP NO.	ACTION ITEM	MANAGER	ORIGINAL DATE	TARGET DATE	COMMENTS
D19.2	PROVIDE COORDINATED RESPONSE TO REGULATORY-RELATED TRAINING REQUESTS	Leonard BTU	05/31/90	Complete	An Independent Review is in progress by Management Services.
D20	REVISE STANDING INSTRUCTIONS PROCEDURE TO REQUIRE INDEX LOG	Moyer Operations	10/27/89	Complete	An Independent Review has been completed by Corporate QA. This Action Item has been closed by the NRC, Report 90-02, dated 02/16/90.
D21	REVIEW SWFCG CHARTER/GUIDES FOR CURRENT GOALS, PRIORITIES	Peeler OM&M	07/31/90	Complete	An Independent Review has been completed by Management Services. This Action Item has been closed by the NRC, Report 90-42, dated 10/29/90.
D22	IMPLEMENT TAGGING AND LABELING IMPROVEMENT PROGRAM	Warden Maintenance	02/28/90	Complete	An Independent Review has been completed by Audit Services. This Action Item has been closed by the NRC, Report 90-39, dated 10/05/90.
D23	Integrate PM Vibration Program with ASME Sec. XI IST Program	Helme Tech Support	12/31/90	10/31/91	The original intent of this Action Item was met by the original target date. However, a portion of this Action Item has been merged with another ongoing program which is scheduled for completion in late 1991.
	a. Approve and implement a Vibration Monitoring Procedure.	Helme Tech Support	12/31/89	Complete	

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IAP NO.	ACTION ITEM	MANAGER	ORIGINAL DATE	TARGET DATE	COMMENTS
	b. Ensure all equipment is marked, indicating points from which to take readings.	Helme Tech Support	02/28/90	Complete	
	c. Purchase data collector instrumentation to be used to collect the vibration data.	Helme Tech Support	02/28/90	Complete	
	d. Provide Real-Time Training to Auxiliary Operators on operation of data collectors.	Helme Tech Support	02/28/90	Complete	
	e. Develop reference values and baselines to establish the initial points and determine the "alert" and "required action" ranges.	Helme Tech Support	05/31/90	09/30/91	
	f. After establishing mark points and ranges, revise PT's accordingly.	Moyer Operations	08/31/90	10/31/91	
D24	IMPLEMENT BUDGETING OF SMALL ENGINEERING PROJECTS	Helme Tech Support	12/31/90	Complete	An Independent Review has been completed by Management Services. This Action Item has been closed by the NRC, Report 90-23, dated 07/11/90.
D25	USE PROJECT MANAGEMENT APPROACH IN PLANNING/EXECUTION OF OUTAGES	Moore OM&M	07/31/89	Complete	An Independent Review has been completed by Audit Services.
D26	FORMALIZE PLANT WORK SCHEDULE ADHERENCE CONTROL	Spencer BSEP	12/31/89	Complete	An Independent Review has been completed by Management Services.

\*Indicates change from last month's report.

**BRUNSWICK NUCLEAR PROJECT**  
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IAP NO.	ACTION ITEM	MANAGER	ORIGINAL DATE	TARGET DATE	COMMENTS
D27	IMPROVE TRACKING/DISPOSITION OF TEMPORARY REPAIRS/CONDITIONS TO EXPEDITE ELIMINATION	Helme Tech Support	12/31/89	Complete	An Independent Review has been completed by BNP Site QA.
D28	REVISE EOP'S TO SIMPLIFY AND MATCH BWROG GUIDELINES	Moyer Operations	12/31/90	Complete	The NRC considers this Action Item "open."
D29	IMPLEMENT NGG GUIDELINE RE: STRUCTURE OF CP&L ISI PROGRAMS, AND ESTABLISHMENT OF 6-MONTH INFORMATION EXCHANGES	Hill NPS	06/30/90	Complete	An Independent Review has been completed by BNP Site QA. This Action Item has been closed by the NRC, Report 90-32, dated 10/18/90.
D30	IMPLEMENT ACTIONS FOR ADMINISTRATIVE COST CONTAINMENT	Simpson C&A	06/30/90	Complete	An Independent Review has been completed by Management Services.
D31	CONSOLIDATE, UPDATE, SIMPLIFY BNP PROCEDURES	Simpson C&A	09/30/90	Complete	An Independent Review is underway by Audit Services. The NRC considers this Action Item "open."
D32	IMPLEMENT BRUNSWICK NUCLEAR PROJECT DEPARTMENT LICENSED OPERATOR TRAINING IMPROVEMENTS	Moyer* Operations	01/15/91	Complete	The NRC considers this Action Item "open."

\*Indicates change from last month's report.

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**BRUNSWICK NUCLEAR PROJECT**  
**INTEGRATED ACTION PLAN STATUS: February 28, 1991**

IAP NO.	ACTION ITEM	MANAGER	ORIGINAL DATE	TARGET DATE	COMMENTS
D33	Implement Nuclear Services Department Licensed Operator Training Improvements	Leonard BTU	03/29/91	08/31/91	This Action Item extended until 08/31/91, in order to accommodate additional Level 2 Action Item "s". The NRC considers this Action Item "open."
	a. Review the adequacy of training staffing levels, and identify near term needs.	Leonard BTU	07/31/90	Complete	
	b. Increase the number of simulator training hours to a minimum of sixteen hours per quarter per licensed operator, and assess the impact of this change on the adequacy of training staffing levels.	Leonard BTU	09/30/90	Complete	
	c. Revise the Licensed Operator Qualification Training Instruction to ensure operators receive adequate simulator training time in all licensed positions for which they may be examined.	Leonard BTU	10/31/90	Complete	

\*Indicates change from last month's report.

**BRUNSWICK NUCLEAR PROJECT**  
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IAP NO.	ACTION ITEM	MANAGER	ORIGINAL DATE	TARGET DATE	COMMENTS
	d. Establish rigorous standards, performance expectations, and monitor operator performance, via reports and personal involvement, especially for the annual dynamic simulator evaluation. Periodically sample the results of simulator training to monitor operator performance. (Periodic monitoring and assistance in administering annual simulator examinations will be provided by Operations.) Place these requirements in the appropriate training instructions.	Leonard BTU  Moyer Operations	10/31/90	Complete	
	e. Revise the appropriate training procedures to establish objective simulator performance evaluation criteria for both Licensed Operator Requalification and Hot License examinations, at least as stringent as the NRC test criteria.	Leonard BTU	10/31/90	Complete	
	f. Incorporate installation of an uninterruptible power supply for the simulator into the prioritized work planning process.	Leonard BTU	12/15/90	Complete	

\*Indicates change from last month's report.

**BRUNSWICK NUCLEAR PROJECT**  
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IAP NO.	ACTION ITEM	MANAGER	ORIGINAL DATE	TARGET DATE	COMMENTS
	g. Establish a remedial training program which addresses the operators' deficiencies, minimizes the disruption to Operations and Training work schedules, and provides rigorous feedback to enhance the operator training program.	Leonard BTU	12/15/90	Complete	
	h. Review and establish long-term resource staffing needs and associated training staff requirements.	Leonard BTU	12/31/90	Complete	
	i. Revise the responsibilities of the existing Training Advisory Committee to include a review, on a quarterly basis, of changes in operating philosophy, regulatory requirements, operator crew composition, et cetera (other than simulator changes), that might affect the training program.	Leonard BTU	12/31/90	Complete	
	j. Improve the use of available information by establishing guidance to assure that industry information is properly analyzed, disseminated, and used to improve performance.	Leonard BTU	01/15/91	Complete	Instructors have been trained by the Manager - BTU, on effective methods for addressing operating experience. TI-200, 3.9.4.3 also addresses this issue.

\*Indicates change from last month's report.

**BRUNSWICK NUCLEAR PROJECT**  
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IAP NO.	ACTION ITEM	MANAGER	ORIGINAL DATE	TARGET DATE	COMMENTS
	k. Establish guidance for Brunswick Training Unit observation and participation in industry activities, and incorporate this guidance into Nuclear Training Section procedures.	Leonard BTU	01/15/91	Complete	Guidance has been provided by a memorandum from the Manager, Nuclear Training Section. Procedure revision has been determined to be inappropriate for this type of management issue.
	l. Enhance the process for the identification and incorporation of needed changes to the simulator training process.	Leonard BTU	01/15/91	Complete*	Process changes delayed to avoid impact on simulator certification submittal.
	m. Establish procedural guidance which provides direction for ensuring that simulator modifications are properly identified, and that appropriate training for these modifications is provided to licensed personnel.	Leonard BTU	01/15/91	Complete	
	n. Incorporate scheduling of training on Emergency Core Cooling System malfunctions and interlocks into appropriate documents.	Leonard BTU	01/15/91	03/31/91	Resources to revise administrative procedures are not available until March, due to higher priority work.

\*Indicates change from last month's report.

**BRUNSWICK NUCLEAR PROJECT**  
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IAP NO.	ACTION ITEM	MANAGER	ORIGINAL DATE	TARGET DATE	COMMENTS
	o. Develop a self-assessment process that will be used to increase the effectiveness of the training program, based on test results at the conclusion of each Hot License Class and each year's Licensed Operator Requalification, which will serve to identify weaknesses and changes needed in the LOR and HLC programs.	Leonard BTU	01/15/91	Complete	Criteria have been established by the Brunswick Training Unit to conduct comprehensive self-assessments. Instructors have been trained on methodology.
	p. Conduct an independent evaluation, prior to the 1990 examinations, using personnel who are not directly conducting training of the Licensed Operator Requalification examination readiness, and incorporate a requirement for the independent evaluations of the Licensed Operator Requalification and Hot License examination readiness into the Brunswick Training Instructions.	Leonard BTU	01/31/91	Complete	

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**BRUNSWICK NUCLEAR PROJECT**  
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IAP NO.	ACTION ITEM	MANAGER	ORIGINAL DATE	TARGET DATE	COMMENTS
q.	Develop a formal Simulator Scenario Writers's Guide for all phases of the Licensed Operator Requalification examination, to include guidelines for the development of more challenging scenarios into the Licensed Operator Requalification examination, and to identify equipment and training aides to be used in simulator training scenarios, and to include direction in the periodic use of video and audio equipment to allow the operators to become accustomed to them.	Leonard BTU	02/28/91	Complete*	*NTS AI-33, "Development of Licensed Operator Requalification Exam Material," was revised to incorporate guidance in this area.
r.	Develop self-assessment criteria that will be used to increase the effectiveness of the training program, based on test results at the conclusion of each Hot License Class and each year's Licensed Operator Requalification, which will serve to identify weaknesses and changes needed in the LOR and HLC programs. Implement the criteria in the appropriate unit and section training procedures.	Leonard BTU	03/29/91	03/29/91	See comment by "o."
s.	Implement scheduled improvements in operator training program procedures.	Leonard BTU	08/31/91	08/31/91	

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**BRUNSWICK NUCLEAR PROJECT**  
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IAP NO.	ACTION ITEM	MANAGER	ORIGINAL DATE	TARGET DATE	COMMENTS
E1	DEFINE, TRACK OPERATIONAL AND MANAGEMENT PERFORMANCE; DOCUMENT GOALS TO BE USED TO MANAGE PERFORMANCE	Starkey BNP	12/31/89	Complete	An Independent Review has been completed by Audit Services. The NRC considers this Action Item "open."
E2	ENSURE IMPROVEMENT PROGRAMS ARE IMPLEMENTED/MONITORED	Starkey BNP	09/30/90	Complete	An Independent Review has been completed by Management Services. The NRC considers this Action Item "open."
E3	REVISE LOG PROGRAM, EMPHASIZING EFFECTIVE CONTROL ROOM LOG ENTRIES	Leonard BTU	01/31/90	Complete	An Independent Review has been completed by BNP Site QA.
E4.1	ISSUE INTEGRATED AUDIT/SURVEILLANCE PLAN FOR BNP ENGINEERING	Banks CQAD	12/31/90	Complete	*An Independent Review is underway by Audit Services. The NRC considers this Action Item "open."
E4.2	DEVELOP CORPORATE QA PERFORMANCE-BASED OVERVIEW PLAN	C. W. Crawford* NAD	12/31/90	Complete	*An Independent Review is underway by Audit Services. Portions of this Action Item have been transferred to Item E5. The NRC considers this Action Item "open."
E4.3	ADJUST AUDIT IMPROVEMENTS IN PROGRESS TO ADDRESS DET CONCLUSIONS	Banks CQAD	12/31/90	Complete	An Independent Review has been completed by Audit Services. The NRC considers this Action Item "open."

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**BRUNSWICK NUCLEAR PROJECT**  
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IAP NO.	ACTION ITEM	MANAGER	ORIGINAL DATE	TARGET DATE	COMMENTS
E5	Analyze Methods of Independent Assessments for Performance Evaluation	C. W. Crawford* NAD	12/31/89	03/31/91	This Action Item is being held open until the new Nuclear Assessment Department staff task teams have completed their work, and the department is closer to working in its routine mode. The NRC considers this Action Item "open."
	a. Select members for Project Quality Team to analyze nuclear evaluation and oversight functions.	Eury EVP	10/31/89	Complete	
	b. Gather data on industry evaluations and programs to incorporate best practices into Company programs.	Bowles/PQT CQAD	03/01/90	Complete	
	c. Identify desired changes in nuclear evaluation and oversight functions and attendant organizational structures.	Bowles/PQT CQAD	08/01/90	Complete	
	d. Implement desired changes in nuclear evaluation and oversight functions and attendant organizational structures.	Eury EVP	12/31/90	03/31/91	
E6	REVISE PT'S FOR PROPER EVALUATION OF SERVICE WATER PUMP PERFORMANCE	Moyer Operations	04/28/90	Complete	An Independent Review has been completed by BNP Site QA. This Action Item has been closed by the NRC, Report 96-32, dated 10/18/90.

\*Indicates change from last month's report.

**BRUNSWICK NUCLEAR PROJECT**  
**INTEGRATED ACTION PLAN STATUS: February 28, 1991**

IAP NO.	ACTION ITEM	MANAGER	ORIGINAL DATE	TARGET DATE	COMMENTS
F1	IMPLEMENT CAREER DEVELOPMENT AND JOB ROTATION PROCESS	Ferguson NHRSS	06/30/90	Complete	An Independent Review is underway by Management Services. Development of program recommendations for management review has required more time and effort than was originally anticipated.
F2	INCORPORATE QUALITY, SAFETY AND COST EFFECTIVENESS CRITERIA IN PERFORMANCE APPRAISAL PROGRAM	Starkey BNP	06/30/90	Complete	An Independent Review has been completed by Management Services.
F3	REVIEW AWARDS AND INCENTIVES, POSSIBILITIES AND DEVELOP IMPLEMENTATION PLAN FOR ENHANCEMENTS	Ferguson NHRSS	12/31/90	Complete	An Independent Review is underway by Management Services.
F4	PROVIDE FORMAL TRAINING IN BUSINESS FUNDAMENTALS	Simpson C&A	03/31/90	Complete	An Independent Review has been completed by Management Services.
G1	Implement Actions to Resolve People Issues, Including Employee Suggestion System	Simpson C&A	02/28/90	04/30/91	A company-wide program will be implemented in April, 1991. The NRC considers this Action Item "open."
	a. Establish a system for employees to make suggestions to management.	Simpson C&A	02/28/90	04/30/91	
	b. Provide for effective follow-up by management to suggestions	Simpson C&A	02/28/90	04/30/91	

\*Indicates change from last month's report.

IAPS3



**BRUNSWICK NUCLEAR PROJECT**  
**INTEGRATED ACTION PLAN STATUS: February 28, 1991**

IAP NO.	ACTION ITEM	MANAGER	ORIGINAL DATE	TARGET DATE	COMMENTS
	c. Ensure that cost-effectiveness is the key focus of the suggestion system.	Simpson C&A	02/28/91	04/30/91	
G2	REEMPHASIZE AND ENCOURAGE SUPPORT OF TQ PROCESS	Simpson C&A	03/31/90	Complete	An Independent Review has been completed by Audit Services. This Action Item has been closed by the NRC, Report 90-37, dated 10/18/90.
G3	IMPROVE ORGANIZATIONAL AND INDIVIDUAL OWNERSHIP COMMITMENTS, INCLUDING: PROCEDURAL ADHERENCE IN OPERATIONS; AND ATTENTION TO DETAIL IN DESIGN ENGINEERING.	Moyer Operations  Brown NED	03/31/90	Complete	*An Independent Review is underway by Audit Services. Scope expanded to include Nuclear Engineering Dept. efforts in the area of engineering design. The NRC considers this Action Item "open."

\*Indicates change from last month's report.

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