

CP&L

Carolina Power & Light Company

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

90 FEB 5 9:45

January 30, 1990

FILE: B09-13510A
SERIAL: BSEP/90-0088

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

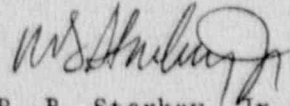
BRUNSWICK STEAM ELECTRIC PLANT UNITS 1 & 2
DOCKET NOS. 50-324, 50-325
LICENSE NOS. DPR-62, DPR-71
INTEGRATED ACTION PLAN STATUS

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

KMC/mcg

Enclosure

cc: BSEP Resident Office
Mr. J. L. Harness
Mr. L. I. Loflin
Mr. J. W. Moyer

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Carolina Power & Light Company

Brunswick Nuclear Project
January 30, 1990

MEMORANDUM TO: Mr. R. A. Watson
FROM: R. B. Starkey, Jr.
SUBJECT: Integrated Action Plan

As of December 31, 1989, twelve of the sixty-one Level 1 Action Items were complete; four of them significantly ahead of schedule (B6, D2.1, D24, E6).

Three Level 1 Action Items that were originally scheduled to be completed by the end of December have been rescheduled:

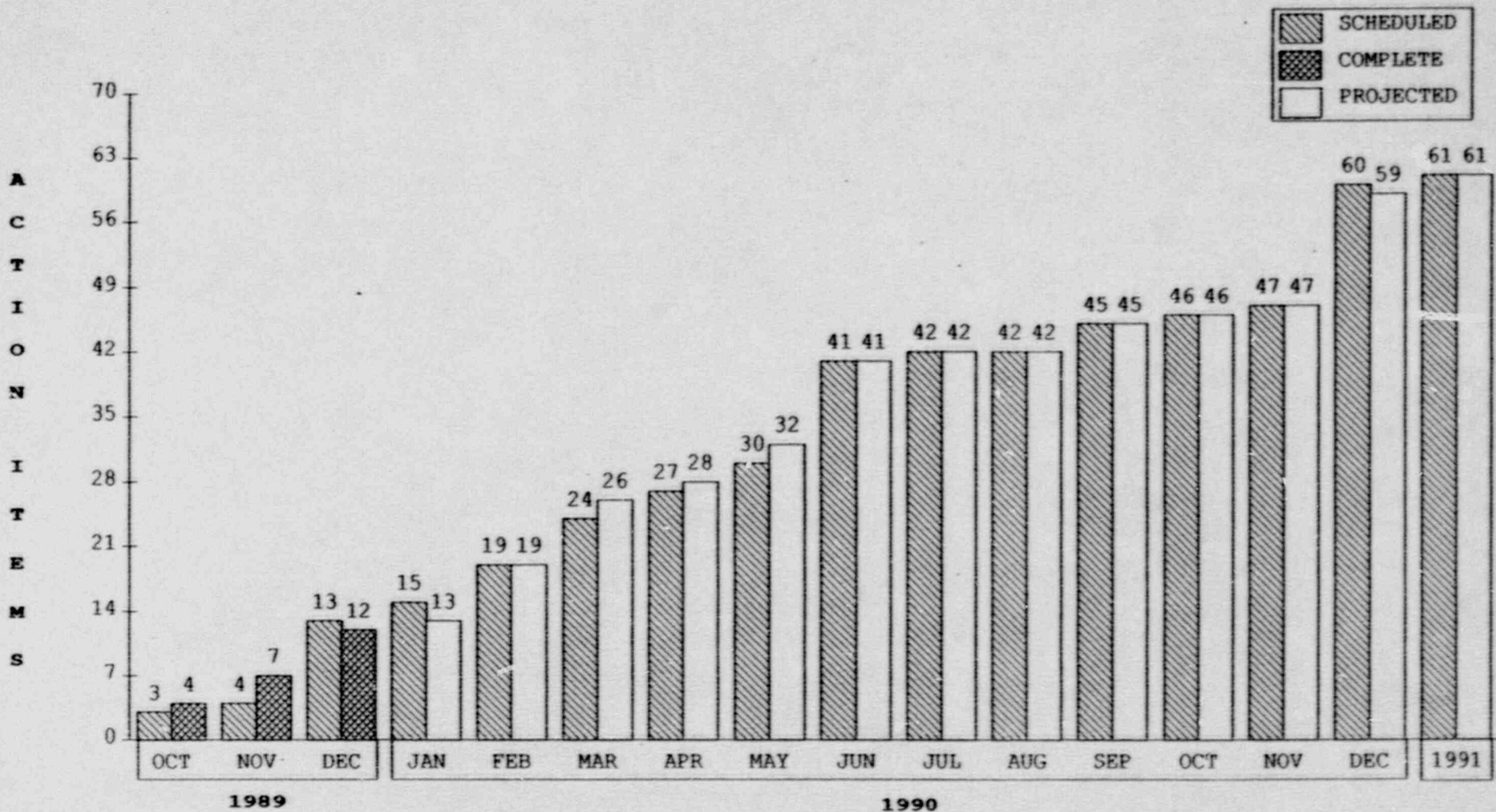
- D26 "Formalize plant work schedule adherence control." New forecast date: 02/28/90. A procedure has been implemented to provide monthly reports on interrupted work, but will be revised to provide for weekly reports.
- D27 "Improve tracking/disposition of temporary repairs/conditions to expedite elimination." New forecast date: 03/30/90. Activities associated with this item require substantial input from other CP&L departments, which wasn't immediately available.
- E5 "Analyze methods of independent assessments for performance evaluation." New forecast date: 12/31/90. The scope of this action item was expanded to development of a company-wide program to improve the quality of CP&L's nuclear oversight functions.

Attached are the Level 1 and Level 2 Integrated Action Plans, which are current through December 31. Changes from last month's report are indicated by an asterisk. Also attached is a graph which shows our Level 1 progress and forecast against the schedule.

KMC/cj
Attachment

- cc: Mr. H. R. Banks
Mr. J. M. Brown
Ms. K. M. Core
Mr. A. B. Cutter
Mr. C. R. Dietz
Mr. R. E. Gurganus
Mr. J. L. Harness
Mr. M. D. Hill
- Mr. J. R. Holder
Mr. L. I. Loflin
Mr. A. M. Lucas
Ms. P. D. Morris
Mr. J. W. Moyer
Mr. R. B. Richey
Mr. W. W. Simpson
Mr. M. S. Staton

INTEGRATED ACTION PLAN LEVEL I



NOTE: Original IAP had 56 items. Four action items have been sub-divided for clarity, resulting in a new total of 61 action items.

BRUNSWICK NUCLEAR PROJECT

INTEGRATED ACTION PLAN STATUS: December 31, 1989

<u>IAP NO.</u>	<u>ACTION ITEM</u>	<u>ORIGINAL TARGET DATE</u>	<u>CURRENT TARGET DATE</u>	<u>COMMENTS</u>
A1	Communication Strategy for Goals, Priorities, Expectations	12/31/90	12/31/90	
A2	Improve External Relationships	01/31/90	01/31/90	
B1	Implement Technical Support Improvements	09/30/90	09/30/90	Move of Technical Support into protected area may be delayed.
B2	Implement NED Organizational Improvements	06/30/90	02/28/90	
B3	Implement Nuclear Training Organizational Improvements	06/30/90	05/31/90	
B4	Implement Control & Administration Organizational Improvements	12/31/89	Complete*	
B5	Implement Nuclear Plant Support Organizational Improvements	06/30/90	06/30/90	
B6	Implement Outage Management & Modifications Organizational Improvements	12/31/89	Complete	OA
C1	Implement Corporate Nuclear Prioritization Process	06/30/90	03/15/90	
C2	Establish NED Budget Item for Generic Work	12/31/89	Complete*	
C3	Establish Budget & Release Process for Non-IPBS Engineering	12/31/89	Complete*	*L. V. Wagoner memo to R. E. Helme, dated 12/18/89.

* Indicates change from previous month's report.

IAPS

BRUNSWICK NUCLEAR PROJECT

INTEGRATED ACTION PLAN STATUS: December 31, 1989

<u>IAP NO.</u>	<u>ACTION ITEM</u>	<u>ORIGINAL TARGET DATE</u>	<u>CURRENT TARGET DATE</u>	<u>COMMENTS</u>
C4	Develop Long Range Planning Budgets for Emerging Issues/Regulations	12/31/90	12/31/90	
D1	Resolve Surveillance Test Program Questions	03/31/90	03/31/90	
D2.1	Improve Management of Maintenance Backlog	06/30/90	Complete	
D2.2	Strengthen Maintenance Planning Functions	06/30/90	06/01/90	
D3	Fine Tune MOV Maintenance Program	06/30/90	06/30/90	
D4	Develop Post-Maintenance Testing for ASME Code Repairs	10/15/89	Complete*	*ENP-16.12, rev. 0, approved 10/04/89; PLP-08, rev. 0, approved 11/21/89. Both procedures were drafted by original target date of 10/15/89.
D5	Implement Recommendations of HPCI Reliability-Centered Maintenance Study	12/31/90	02/28/91	Schedule slip due to delays in hiring a HPCI engineer
D6	Address Service Water System Design Issues	11/30/90	11/30/90	Tied to Unit 1 Refueling Outage.
D7	Confirm Design Basis for Key Brunswick Systems	12/31/91	12/31/91	
D8	Complete Update of Corporate and Site Design Procedures	03/31/90	03/31/90	
D9	Implement Corrective Action Program Improvements	04/30/90	04/30/90	

* Indicates change from previous month's report.

BRUNSWICK NUCLEAR PROJECT

INTEGRATED ACTION PLAN STATUS: December 31, 1989

<u>IAP NO.</u>	<u>ACTION ITEM</u>	<u>ORIGINAL TARGET DATE</u>	<u>CURRENT TARGET DATE</u>	<u>COMMENTS</u>
D10	Develop and Institutionalize Corporate Corrective Action Program	12/31/90	12/31/90	
D11	Develop Corporate Program for Consistent Performance of Safety Reviews	02/15/90	06/15/90	*Target date was moved out by 4 months to include additional scope of procedure development, training, and implementation.
D12	Improve Business Planning Process	06/30/90	06/30/90	
D13	Review BNP Procedures for Compliance with PAM Intent	04/01/90	04/01/90	
D14	Improve Consistency of Procurement Processes by Nuclear Plants	10/01/90	10/01/90*	*This target date had previously been extended, but in December was restored to the original date.
D15	Require Nuclear Services Department Involvement in Regulatory Modifications	12/31/90	12/31/90	
D16.1	Increase Role of Nuclear Plant Support in Development of Consistency among Nuclear Plants	12/31/90	05/31/90	
D16.2	Formalize Initiatives to Standardize Processes and Procedures	12/31/90	12/31/90	
D17	Increase Use of ISD's Directives and Resources	12/31/89	Complete*	
D18	Submit Simulator Certification	12/31/90	12/31/90	

* Indicates change from previous month's report.

BRUNSWICK NUCLEAR PROJECT

INTEGRATED ACTION PLAN STATUS: December 31, 1989

<u>IAP NO.</u>	<u>ACTION ITEM</u>	<u>ORIGINAL TARGET DATE</u>	<u>CURRENT TARGET DATE</u>	<u>COMMENTS</u>
D19.1	Implement System for Responding to Training Requests	05/31/90	05/31/90	
D19.2	Provide Coordinated Response to Regulatory-related Training Requests	05/31/90	05/31/90	
D20	Revise Standing Instructions Procedure to Require Index Log	10/27/89	Complete	*OG-01, rev. 10, dated 10/24/89.
D21	Review SWFCG Charter/Guides for Current Goals, Priorities	07/31/90	07/31/90	
D22	Implement Tagging and Labeling Improvement Program	02/28/90	02/28/90	
D23	Integrate PM Vibration Program with ASME Sec. XI IST Program	12/31/90	09/01/90	
D24	Implement Budgeting of Small Engineering Support Projects	12/31/90	Complete	
D25	Use Project Management Approach in Planning/Execution of Outages	07/31/89	Complete	
D26	Formalize Plant Work Schedule Adherence Control	12/31/89	02/28/90*	*SOP 2.41 meets the intent of D26 c. reporting, but is being revised regarding frequency and distribution.

* Indicates change from previous month's report.

BRUNSWICK NUCLEAR PROJECT
INTEGRATED ACTION PLAN STATUS: December 31, 1989

<u>IAP NO.</u>	<u>ACTION ITEM</u>	<u>ORIGINAL TARGET DATE</u>	<u>CURRENT TARGET DATE</u>	<u>COMMENTS</u>
D27	Improve Tracking/Disposition of Temporary Repairs/Conditions to Expedite Elimination	12/31/89	03/31/90	*Activities involved with this item require substantial input from other CP&L departments, which wasn't immediately available.
D28	Revise EOP's to Simplify and Match BWROG Guidelines	12/31/90	12/31/90	
D29	Implement NGG Guideline Re: Structure of CP&L ISI Programs, and Establishment of 6-Month Information Exchanges	06/30/90	06/05/90	
D30	Implement Actions for Administrative Cost Containment	06/30/90	06/30/90	
D31	Consolidate, Update, Simplify BNP Procedures	09/30/90	09/30/90	
E1	Define, Track Operational and Management Performance; Document Goals to be Used to Manage Performance	12/31/89	Complete*	
E2	Ensure Improvement Programs Are Implemented/Monitored	09/30/90	02/28/90	
E3	Revise LOR Program, Emphasizing Effective Control Room Log Entries	01/31/90	03/30/90	Training schedule has been finalized, with LOR Phase I from 02/19/90 to 03/30/90.
E4.1	Issue Integrated Audit/Surveillance Plan for BNP Engineering	12/31/90	12/31/90	

* Indicates change from previous month's report.

BRUNSWICK NUCLEAR PROJECT
INTEGRATED ACTION PLAN STATUS: December 31, 1989

<u>IAP NO.</u>	<u>ACTION ITEM</u>	<u>ORIGINAL TARGET DATE</u>	<u>CURRENT TARGET DATE</u>	<u>COMMENTS</u>
E4.2	Develop Corporate QA Performance-Based Overview Plan	12/31/90	12/31/90	
E4.3	Adjust Audit Improvements in Progress to Address DET Conclusions	12/31/90	02/28/90	
E5	Analyze Methods of Independent Assessments for Performance Evaluation	12/31/89	12/31/90	*Scope expanded to development of a company-wide program to improve the quality of CP&L's nuclear oversight functions.
E6	Revise PT's for Proper Evaluation of Service Water Pump Performance	04/28/90	Complete	*Revisions approved 11/24/89.
F1	Implement Career Development and Job Rotation Process	06/30/90	06/30/90	
F2	Incorporate Quality, Safety and Cost Effectiveness criteria in Performance Appraisal Program	06/30/90	06/30/90	
F3	Review Awards and Incentives; Develop Plans for Enhancements	12/31/90	12/31/90	
F4	Provide formal Training in Business Fundamentals	03/31/90	03/31/90	
G1	Implement Actions to Resolve People Issues, Including Employee Suggestion System	02/28/90	02/28/90	

* Indicates change from previous month's report.

BRUNSWICK NUCLEAR PROJECT
INTEGRATED ACTION PLAN STATUS: December 31, 1989

<u>IAP NO.</u>	<u>ACTION ITEM</u>	<u>ORIGINAL TARGET DATE</u>	<u>CURRENT TARGET DATE</u>	<u>COMMENTS</u>
G2	Reemphasize and Encourage Support of TQ Process	03/31/90	03/31/90	
G3	Improve Organizational and Individual Ownership Commitments, Including Procedural Adherence	03/31/90	12/30/90	*Scope expanded to include monitoring of implementation, and an opinion survey of operators.

* Indicates change from previous month's report.

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

12/31/89

<u>IAP NO.</u>	<u>REF.</u>	<u>ACTION ITEM</u>	<u>RESPONSIBILITY</u>	<u>TARGET DATE</u>	<u>COMMENTS</u>
A1	CRC 1 CRC 5 CRC 11	Communication Strategy for Goals, Priorities, Expectations:	Starkey BNP	12/31/90	
		a. Develop and document strategy for Brunswick.	Core* C&A	01/26/90*	*The communication strategy was formulated prior to the target date, but not formally documented.
		b. Track and document implementation of strategy components.	Core* C&A	12/31/90	

* Indicates change from previous month's report.

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

12/31/89

<u>IAP NO.</u>	<u>REF.</u>	<u>ACTION ITEM</u>	<u>RESPONSIBILITY</u>	<u>TARGET DATE</u>	<u>COMMENTS</u>
A2		Improve External Relationships:	Watson NGG	01/31/90	
	CRE 33	a. Centralize accountability for NRC/ INPO effectiveness.	Watson NGG	Complete	OA
	CRE 34 CRO 27 CRO 28	b. Finalize CP&L/NRC Interaction Plan.	Cutter NSD	Complete*	*The CP&L/NRC Interaction Plan described an implemen- tation strategy which contained eighteen tasks. All eighteen tasks were completed by December, 1989.
	CRO 29 CRO 30	c. Assign clear responsibilities, goals, and time frames for each policy and program development action in the CP&L/NRC Interaction Plan.	Cutter NSD	01/31/90	

* Indicates change from previous month's report.

IAPS2

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

12/31/89

<u>IAP NO.</u>	<u>REF.</u>	<u>ACTION ITEM</u>	<u>RESPONSIBILITY</u>	<u>TARGET DATE</u>	<u>COMMENTS</u>
B1		Implement Technical Support Improvements:	Helme Tech Support	09/30/90	
	CRE 10	a. Clearly define and communicate mission and functions.	Helme Tech Support	01/31/90	Mission and functions completed; to be contained in ENP-1.
	CRE 11	b. Consolidate/streamline organization structure.	Helme Tech Support	Complete	OA
	CRE 12	c. Determine long-range human resource needs.	Helme Tech Support	Complete	OA
	CRE 13	d. Continue system engineering development efforts.	Helme Tech Support	03/31/90	
	CRE 14	e. Relocate Technical Support personnel to within the plant protected area.	Simpson* C&A	To be Determined	

* Indicates change from previous month's report.

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

12/31/89

<u>IAP NO.</u>	<u>REF.</u>	<u>ACTION ITEM</u>	<u>RESPONSIBILITY</u>	<u>TARGET DATE</u>	<u>COMMENTS</u>
82		Implement Nuclear Engineering Department Organizational Improvements:	Lucas NED	02/28/90	
	CRE 1 CRE 6	a. Complete organization and staffing of Brunswick site NED group.	Lucas NED	Complete	OA
	CRE 5 CRE 7 CRE 8	b. Determine long-range human resource needs.	Lucas NED	Complete	OA
	CRE 9	c. Establish a Brunswick-Raleigh NED rotation program, by developing a policy to include appropriate tasks and skills, candidate performance, schedule and temporary assignments.	Lucas/ Brown NED	02/28/90	*Draft guide is in review process.
	CRE 21	d. Develop detailed and plant specific implementation plans for standardized site/NED procurement functions.	Simpson C&A	Complete*	
	CRE 27	e. Transfer Brunswick EDBS function and personnel to NED.	Lucas/ Brown NED	Complete	

* Indicates change from previous month's report.

IAPS2

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

12/31/89

<u>IAP NO.</u>	<u>REF.</u>	<u>ACTION ITEM</u>	<u>RESPONSIBILITY</u>	<u>TARGET DATE</u>	<u>COMMENTS</u>
B3		Implement Nuclear Training Organizational Improvements:	Martin NTS	05/31/90	
	CRA 32	a. Review activities performed at the E&E Center and plants, to identify work needing more emphasis and tasks that are not being cost effectively performed.		Complete	OA
	CRA 33	b. Where appropriate, reallocate training responsibilities and personnel among nuclear program training units.		Complete	OA
	CRA 34	c. Redirect organizational focus of resources remaining at the E&E Center.	Martin NTS	05/31/90	
	CRA 35	d. Implement procedures and practices to improve instructor utilization.	O'Sullivan BTU	05/31/90	
	CRA 39	e. Transfer Real-Time Training from all plant organizations to the Brunswick Training Unit, except Operations RTT.		Complete	
	CRA 40	f. Address BTU use of contractors.		Complete	
	CRA 41	g. Clarify training mission, roles, and responsibilities between BTU and the E&E Center.		Complete	
	CRA 42	h. Resolve conflicting objectives between BTU and Brunswick Plant and industry regulators.		Complete	

* Indicates change from previous month's report.

IAPS2

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

12/31/89

<u>IAP NO.</u>	<u>REF.</u>	<u>ACTION ITEM</u>	<u>RESPONSIBILITY</u>	<u>TARGET DATE</u>	<u>COMMENTS</u>
B4		Implement Control & Administration Organizational Improvements:	Simpson C&A	Complete*	
	CRA 3 CRA 5	a. Clarify roles and responsibilities for completing plans and budgets.	Lewis B&BP	Complete	
	CRA 23	b. Evaluate Information Services staffing needs and document in Business Plan.	George SISU	Complete	
	CRE 23	c. Transfer all site procurement engineering activities and personnel to Control & Administration.	Simpson C&A	Complete	
	CRE 24	d. Develop Procurement Engineering mission statement, job descriptions, and performance goals.	Jones* Proc Eng	Complete*	
	CRE 25	e. Develop plan to limit Procurement Engineering design basis responsibility consistent with the CDO concept.	Simpson C&A	Complete*	
	CKE 26	f. Develop long-range staffing plan for Procurement Engineering	Jones* C&A	Complete	

* Indicates change from previous month's report.

IAPS2

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

12/31/89

<u>IAP NO.</u>	<u>REF.</u>	<u>ACTION ITEM</u>	<u>RESPONSIBILITY</u>	<u>TARGET DATE</u>	<u>COMMENTS</u>
B5		Implement Nuclear Plant Support Organizational Improvements:	Hill NPS	06/30/90	
	CRA 50	a. Undertake thorough review of activities performed by NPSS cost reporting and administrative services units.	Hill NPS	Complete	OA
	CRA 51	b. Merge NPSS cost and administrative units and eliminate/downsize activities and functions not core to Company's overall objectives.	Hill NPS	Complete	OA
	CRO 24	c. Establish a stronger role for the Nuclear Plant Support Section.	Hill NPS	Complete	OA
	CRO 26	d. Staff the NPSS with individuals who have plant experience, using rotation program.	Hill NPS	06/30/90	Manager - Corp. Nuclear Maintenance position filled by individual with plant experience - 11/04/89
	CRA 52	e. Standardize remaining corporate nuclear support activities.	Coats EVP Staff	06/30/90	

* Indicates change from previous month's report.

IAPS2

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

12/31/89

<u>IAP NO.</u>	<u>REF.</u>	<u>ACTION ITEM</u>	<u>RESPONSIBILITY</u>	<u>TARGET DATE</u>	<u>COMMENTS</u>
B6		Implement Outage Management & Modifications Organizational Improvements:	Holder OM&M	Complete	
	CRA 38	a. Reassign and/or eliminate training activities performed by ECU.	Kelly OM&M	Complete	
	CRE 04	b. Continue efforts to evaluate alternative methods for modification/outage support.	Kelly OM&M	Complete	

* Indicates change from previous month's report.

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

12/31/89

<u>IAP NO.</u>	<u>REF.</u>	<u>ACTION ITEM</u>	<u>RESPONSIBILITY</u>	<u>TARGET DATE</u>	<u>COMMENTS</u>
C1	CRA 6	Implement Corporate Nuclear Prioritization Process:	Wagoner OM&M	03/15/90	*Task Force meeting scheduled for 01/10/90 to assess status.
		a. Develop guidelines/procedures for use of the prioritization process.	Wagoner OM&M	Complete	BSP-36 approved 11/03/89. *ENP-20, rev. 11, approved 10/27/89.
		b. Develop guidelines/procedures for linkage between priority ranking and budget inclusion.	Wagoner OM&M	03/15/90	
	CRE 15	c. Finalize TQ Team efforts to develop corporate prioritization.	Wagoner OM&M	Complete	
	CRE 16	d. Adapt corporate process of prioritization of work to Brunswick.	Wagoner OM&M	01/30/90	
	CRE 17	e. Apply prioritization process to new work and existing backlogs.	Wagoner OM&M	01/30/90	

* Indicates change from previous month's report.

IAPS2

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

12/31/89

<u>IAP NO.</u>	<u>REF.</u>	<u>ACTION ITEM</u>	<u>RESPONSIBILITY</u>	<u>TARGET DATE</u>	<u>COMMENTS</u>
C2	CRE 2	Establish A Nuclear Engineering Department Budget Item for Generic Work.	Lucas NED	Complete*	*Accomplished as part of 1990 budgeting process.

* Indicates change from previous month's report.

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

12/31/89

<u>IAP NO.</u>	<u>REF.</u>	<u>ACTION ITEM</u>	<u>RESPONSIBILITY</u>	<u>TARGET DATE</u>	<u>COMMENTS</u>
C3	CRE 3	Establish Budget and Release Process for Non-IPBS Engineering:	Wagoner OM&M	Complete*	*12/13/89 memo from L. V. Wagoner to R. E. Helme, re: Identifying, Scoping, and Scheduling Work through PCN-G0015A, "Small Modifications."
		a. Develop criteria for this category of project (e.g., engineering manhours, type of work, etc.)	Worth Tech Support	Complete	
		b. Estimate number of projects which will fit this category.	Worth Tech Support	Complete	
		c. Establish a budget item in 1990 Business Plan/budget.	Worth Tech Support	Complete	
		d. Develop releasing mechanism and approval levels for funds for such projects.	Worth Tech Support Wagoner OM&M	Complete*	
		e. Establish a cost tracking mechanism.	Worth Tech Support Wagoner OM&M Lewis B&BP	Complete*	

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BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

12/31/89

<u>IAP NO.</u>	<u>REF.</u>	<u>ACTION ITEM</u>	<u>RESPONSIBILITY</u>	<u>TARGET DATE</u>	<u>COMMENTS</u>
C4	CRE 35	Develop Long-range Planning Budgets for Emerging Issues/Regulations:	Cutter NSD	12/31/90	
		a. Annually, in support of long-range planning process, coordinate development/update of comprehensive cost and schedule forecast for emerging issues/regulations.	Loflin Licensing	12/31/90	

* Indicates change from previous month's report.

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

12/31/89

<u>IAP NO.</u>	<u>REF.</u>	<u>ACTION ITEM</u>	<u>RESPONSIBILITY</u>	<u>TARGET DATE</u>	<u>COMMENTS</u>
D1		Resolve Surveillance Test Program Questions:	Starkey BNP	03/31/90	
	a.	Develop a plan to sample the Tech Spec. data base to gauge accuracy.	Jones ONS	03/31/90	
	b.	Re-evaluate the Brunswick electrical distribution system for compliance with GDC-17.	Rothman NED	03/31/90	
	c.	Complete actions in response to LER 1-89-016 (stroke time testing for certain containment isolation valves.)	Starkey BNP	Complete	LER submitted 11/1/89, BSEP/89-0961.
	d.	Improve sampling plan for QA surveillance of Technical Specification requirements.	Dorman* CQAD	03/31/90	*Plan approved 12/20/89; to be implemented 1st quarter, 1990.

* Indicates change from previous month's report.

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

12/31/89

<u>IAP NO.</u>	<u>REF.</u>	<u>ACTION ITEM</u>	<u>RESPONSIBILITY</u>	<u>TARGET DATE</u>	<u>COMMENTS</u>
D2.1		Improve Management of Maintenance Backlogs:	Warden Maintenance	Complete	
	a.	Apply the Nuclear Prioritization Process to the maintenance backlog.	Smith Maintenance	Complete	On November 6, 1989, the new prioritization system was implemented.
	b.	Improve utilization of the Automated Maintenance Management System.	Warden Maintenance	Complete	
	c.	Implement a new Maintenance Backlog Management Procedure.	Warden Maintenance	Complete	SOP 2.45, "Maintenance Work Order Management" was issued in September, 1989.

* Indicates change from previous month's report.

IAPS2

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

12/31/89

<u>IAP NO.</u>	<u>REF.</u>	<u>ACTION ITEM</u>	<u>RESPONSIBILITY</u>	<u>TARGET DATE</u>	<u>COMMENTS</u>
D2.2	CRO 19	Strengthen Maintenance Planning Functions:	Warden Maintenance	06/01/90	
		a. Finalize the charter/mission statement of the Brunswick Maintenance Planning Subunit.	Musser Maintenance	Complete	
		b. Complete the position description for the Maintenance Planner/Analyst.	Musser Maintenance	01/19/90	
		c. Establish specific guidelines for Planner/Analyst.	Musser Maintenance	03/02/90	
		d. Develop or acquire a formal Maintenance Planner/Analyst Training Program.	Musser Maintenance	05/04/90	
		e. Implement Planner/Analyst Training Program at Brunswick for existing and prospective Planner Analyst.	Musser Maintenance	06/01/90	
		f. Increase the amount and scope of Maintenance planning completed before scheduled outages.	Musser Maintenance	03/02/90	

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IAPS2

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

12/31/89

<u>IAP NO.</u>	<u>REF.</u>	<u>ACTION ITEM</u>	<u>RESPONSIBILITY</u>	<u>TARGET DATE</u>	<u>COMMENTS</u>
D3		Fine Tune MOV Maintenance Program:	Warden Maintenance	06/30/90	
	a.	Revise OCM-M0500 (lubrication of actuator gear boxes).	Warden Maintenance	Complete	
	b.	Review and make necessary changes to MOV testing procedures.	Musser Maintenance	06/30/90	
	c.	Review adequacy of MOV preventive maintenance program and scheduling.	Musser Maintenance	06/30/90	
	d.	Review engineering procedures for consistency.	To be Determined	06/30/90	

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BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

12/31/89

<u>IAP NO.</u>	<u>REF.</u>	<u>ACTION ITEM</u>	<u>RESPONSIBILITY</u>	<u>TARGET DATE</u>	<u>COMMENTS</u>
D4		Develop Post-Maintenance Testing for ASME Code Repairs:	Helme Tech Support	Complete*	
	a.	Complete development of ENP-16.12.	Helme Tech Support	Complete	
	b.	Complete development of PLP-08.	Helme Tech Support	Complete	

* Indicates change from previous month's report.

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D5	CRO 13 CRO 14	Implement Recommendations of HPCI Reliability-Centered Maintenance Study:	Helme Tech Support	02/28/91	*HPCI engineer has been selected, and offer should be extended mid-January, 1990.
		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	04/15/90	
		b. Obtain management direction on recommendations.	Helme Tech Support	05/31/90	
		c. Implement changes requiring procedure revisions only.	Helme Tech Support	11/01/90	
		d. Initiate PID's on items requiring modifications, if any.	Helme Tech Support	09/01/90	
		e. Obtain vendor concurrence on recommendations affecting vendor recommendations.	Helme Tech Support	11/01/90	
	CRO 15	f. Initiate diesel generator RCM in conjunction with CNS SSFI on diesel generators, by performing actions in (a.) above for diesels.	Helme Tech Support	12/31/90	
		g. Present results to management of HPCI work to date.	Helme Tech Support	11/01/90	

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D5		h. Establish program to review impact of HPCI RCM quarterly.	Helme Tech Support	Beginning 11/01/90	
	CRO 16	i. Assess value of RCM for RCIC and other safety systems.	Helme Tech Support	02/01/91	
		j. Repeat actions of HPCI RCM for diesel generators, starting with (b.) above.	Helme Tech Support	Beginning 01/01/91	
	CRO 17	k. Present results of RCIC and other safety systems' RCM review to management with recommendations.	Helme Tech Support	02/28/91	

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D6		Address Service Water System Design Issues:	Brown NED	11/30/90	
	a.	Issue final report documenting hydraulic bases for system and system compliance with the bases.	Bishop NED	Complete*	*Issued 12/28/89.
	b.	Complete review of SW mods. to ensure that they are encompassed by design analyses and test activities.	Bishop NED	04/30/90	Initial review completed 10/3/89.
	c.	Complete installation of upgraded cross-tie valves.	Bishop NED	11/30/90	Tied to Unit 1 Refueling Outage
	d.	Complete upgrade of fourth SW pump motor.	Bishop NED	Complete	
	e.	Establish temperature monitoring program to track remaining life for SW pump motors.	Bishop NED	Complete*	
	f.	Issue final SW project report.	Bishop NED	Complete*	*Issued 12/29/89.
	g.	Perform a safety system functional inspection (SSFI) of the SW system.	Jones ONS	Complete*	*The inspection was completed 12/20/89 and the report is scheduled to be issued 02/01/90.

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D7		Confirm Design Basis for Key Brunswick Systems:	Brown NED	12/31/91	
	a.	Complete the United Engineers & Constructors (UE&C) and General Electric System Design Criteria Turnover Project.	Langlois NED	12/31/91	*66 total packages: 41 turned over to CP&L, 30 have received CP&L Owner's Review, 5 have had a plant mod. review.
	b.	Complete the UE&C Piping Design Turnover Project.	Langlois NED	12/31/91	25.4% completed.
	c.	Evaluate the results of the SW modification review and SSFI findings and the HPCI and SLC SSFI results, and identify and document any further necessary actions.	Brown NED Bishop* NED	06/30/90	SSFI in progress.

* Indicates change from previous month's report

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D8		Complete Update of Corporate and Site Design Procedures.	Brown NED	03/31/90	*27 procedures, 9 revisions complete/ approved, 5 revisions in development, 9 voided, 2 combined, 2 in review.

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D9		Implement Corrective Action Program Improvements:	Harness BSEP Mgr	04/30/90	
	CRO 3	a. Develop a Brunswick nonconformance policy statement.	Harness BSEP Mgr	Complete*	*PGMM 90-002, revision 1.
	CRO 4 CRO 5	b. Establish incentives for self-identification of nonconformances.	Harness BSEP	Complete*	*PGMM 90-002, revision 1.
		c. Issue revisions to PLP-04 to lower threshold levels and improve trending and training.	Moyer BSEP	03/31/90	
	CRO 6	d. Complete additional training on PLP-04.	Moyer BSEP	04/30/90	
		e. Identify a Brunswick corrective action program coordinator.	Harness BSEP	Complete	
		f. Identify a senior Human Performance Evaluation System (HPES) coordinator at Brunswick.	Harness BSEP	Complete	
		g. Issue PLP-06, System Engineer Program.	Helme Tech Support	Complete	

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D10		Develop and Institutionalize Corporate Corrective Action Program:	Watson NGG	12/31/90	
	a.	Establish a group task force to develop the corporate Corrective Action Program.	Watson NGG	Complete	
	b.	Complete task force assignment.	Burkhart NPS	12/31/90	

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D11		Develop Corporate Program for Consistent Performance of Safety Reviews:	Crawford CNS	06/15/90	
	a.	Complete development of a corporate program to ensure a consistent method for performing safety reviews (10CFR50.59), incorporating the best features from CP&L's three nuclear sites and supporting organizations, and NUMARC guidance.	Crawford CNS	02/15/90	*Draft Policy and Procedure Manual in Management review.
	b.	Procedure development, training, and implementation of the program.	Crawford CNS	06/15/90	*Task Force met on 01/10/90 to kick off the implementation phase. An action plan has been developed. Training on the new program is tentatively scheduled to begin in late March, 1990.

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D12		Improve Business Planning Process:	Simpson C&A	06/30/90	
	CRA 1	a. Formalize the process for initiating and finalizing budget and business plan targets.	Lewis B&BP	06/30/90	
	CRA 2	b. Enhance the business planning process to clarify the "roll down" from the long-range plan and "roll into" the budget.	Simpson C&A	Complete	
	CRA 10	c. Ensure that business plans and budgets are receiving appropriate attention.	Simpson C&A	Complete	
		d. Ensure contents of business plans are appropriately communicated.	Lewis B&BP	02/28/90	
		e. Improve consistency between the business plan, the long-range plan, and the backlog of modification projects.	Simpson C&A	Complete	
		f. Assign budget and cost control responsibilities for corporate programs to support departments.	Simpson C&A	Complete	*C. S. Lewis memo to file, dated 01/04/90. Re: CRESAP Recommendations D12-F.

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D13		Review BNP Procedures for Compliance with PAM Intent:	Hill NPS	04/01/90	
	a.	Develop list of criteria to utilize in procedure review.	Frazier/Daniels NPS	Complete	
	b.	Obtain copies of recently issued procedures (since 7/1/89) and perform review.	Daniels NPS	Complete*	*Report issued 12/28/89.
	c.	If deviations of significance exist, recommend corrective actions to bring procedure development in compliance.	To be Determined	04/01/90	

* Indicates change from previous month's report.

IAPS2

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D14	CRE 20 CRE 22	Improve Consistency of Procurement Processes by Nuclear Plants:	Hill NPS	10/01/90*	*Items h - p dropped from this action item, per direction from December 11, 1989 Nuclear Senior Management meeting.
		a. Assign Manager, Corporate Nuclear Technical Support to manage tasks a through h.	Hill NPS	Complete	Assigned task 11/17/89.
		b. Identify all related and overlapping Cresap, DET, and IAP recommendations and other regulatory or Company activities.	Waldorf NPS	01/10/90	*CRESAP, DET and IAP recommendations reviewed and overlaps identified. Identification of other regulatory or company activities is in progress.
		c. Summarize results of "b" and provide for management review.	Waldorf NPS	02/28/90	
		d. Interview individually affected NGG managers and Senior VP, NGG, to obtain management expectations in view of their review of summarized results in "c".	Waldorf NPS	04/15/90	
		e. Summarize interview results and transmit to interviewees.	Waldorf NPS	05/15/90	
		f. Develop a definitive set of management objectives based on the expectations gathered during the interviews.	Waldorf NPS	07/01/90	
		g. Present objectives to NGG dept. heads and Sr. VP, NGG, and obtain feedback on needed changes and endorsement of agreed-to objectives.	Waldorf NPS	08/15/90	

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D15	CRE 36	Require NSD Involvement in Regulatory-Driven Modifications:	Cutter NSD	12/31/90	
		a. Develop NDS/NED interface document to ensure up-front, continued, and close-out involvement of NSD.	Loflin/Licensing Lucas/NED	07/31/90	
		b. Revise NSD and NED work flow procedures, as necessary.	Loflin/Licensing Lucas/NED	12/31/90	

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D16.1	CRO 25	Increase Role of NPS in Development of Consistency among Nuclear Plants:	Cutter NSD	05/31/90	
		a. Direct NPS to identify, cost justify, and pursue opportunities to achieve consistency among the nuclear projects, where warranted.	Cutter NSD	Complete	OA
		b. Direct NPS to provide focused direction to Operations, Maintenance, Technical Support, and Outage managers at the 3 nuclear sites.	Cutter NSD	Complete	OA
		c. Specify within the NPS business plan those factors that will be targeted for assessment or surveillance during the year.	Hill NPS	05/31/90	

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D16.2	CRE 38	Formalize Initiatives to Standardize Processes and Procedures:	Cutter NSD	12/31/90	
		a. Assign NPS the responsibility for for standardizing processes.	Cutter NSD	Complete	
		b. Develop an action plan that identifies major candidate processes, and schedules evaluations.	Hill NPS	05/31/90	
		c. Assemble teams to conduct evaluations and make recommendations.	Hill NPS	12/31/90	

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D17	CRA 24	Increase use of ISD's Directives and Resources:	Simpson C&A	Complete*	
		a. Establish SISU as point of coordination for information system resource justification.	George SISU	Complete	
		b. Utilize ISD guidelines for hardware and software requisition/replacement.	George SISU	Complete*	
		c. Establish SISU as point of coordination for ISD-sponsored training.	George SISU	Complete	
	CRA 25	d. Formalize activities of site computer users forum.	George SISU	Complete	
		e. Ensure that BNP personnel are aware of the resources available through SISU.	George SISU	Complete*	

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D18		Submit Simulator Certification:	Martin NTS	12/31/90	
	a.	Integrate and complete the test program for the upgraded boiler/core models.	Geise BTU	03/01/90	
	b.	Complete test program required for certification.	Geise BTU	09/01/90	
	c.	Complete document to support certification.	Geise BTU	12/01/90	
	d.	Submit certification package to management for review.	Geise BTU	12/01/90	
	e.	Submit package to NRC.	Geise BTU	12/31/90	

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D19.1	CRA 36	Implement System for Responding to Training Requests:	Martin NTS	05/31/90	
		a. Provide for coordination of requests through a single point of contact: develop criteria for screening, establish committee for review, and integrate reviews into periodic meetings.	Martin NTS	05/31/90	
		b. Create mechanism for transfer of funds from plant to training section for expanded training scope or requests for new services.	Martin NTS	05/31/90	

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D19.2	CRA 37	Provide Coordinated Response to Regulatory-Related Training Requests:	Martin NTS	05/31/90	
		a. Develop regulatory commitment data base for training activities: match requesting agency with request and company response, update data base interactively to ensure it contains a living history of responses.	Martin NTS	05/31/90	
		b. Establish mechanisms to screen new regulatory-related requests against past initiatives: ensure that responses to regulatory agencies take into account historical commitments.	Martin NTS	05/31/90	

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D20		Revise Standing Instructions Procedure to Require Index Log:	Blackmon Operations	Complete	*OG-01, revision 10, dated 10/24/89.
		a. Approve revised Standing Instructions.	Simon Operations	Complete	

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D21		Review SWFCG Charter/Guides for Current Goals, Priorities:	Peeler OM&M	07/31/90	
	a.	Review current SWFCG Process.	Peeler OM&M	Complete	
	b.	Compare with existing procedures.	Peeler OM&M	Complete*	
	c.	Draft new SWFCG procedures.	Peeler OM&M	02/02/90	
	d.	SWFCG review new procedure.	Peeler OM&M	03/02/90	
	e.	AMMS process review (possible changes to support SWFCG, incorporate changes into SWFCG procedures).	Peeler OM&M	01/26/90	
	f.	Revise SWFCG procedures as necessary following review.	Peeler OM&M	04/06/90	
	g.	Approve and implement procedure.	Peeler OM&M	05/04/90	
	h.	Verify adequacy of new procedure.	Peeler OM&M	07/31/90	

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D22		Implement Tagging and Labeling Improvement Program:	Warden Maintenance	02/28/90	
	a.	Provide draft recommendations.	Hagewood Maintenance Strickland Operations	Complete	
	b.	Management Review.	Warden Maintenance Blackmon Operations	Complete	
	c.	Appoint label coordinator and review.	Harness BSEP Warden Maintenance	Complete	
	d.	Centralize equipment and personnel.	Hagewood Maintenance Strickland Operations	Complete*	*Completed 12/12/89; reference J. Hagewood memo dated 01/09/90, "Plant Labeling Program."
	e.	Draft procedure and interface agreement.	Hagewood Maintenance	Complete	
	f.	Labeling procedure approved, and action plan for retagging.	Hagewood Maintenance	02/28/90	

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D23		Integrate Preventative Maintenance Vibration Program with ASME Sec. XI IST Program:	Helme Tech Support	09/01/90	
	a.	Approve and implement a Vibration Monitoring Procedure.	Helme Tech Support	Complete	ENP 2702.2 approved 11/28/89.
	b.	Ensure all equipment is marked, indicating points from which to take readings.	Helme Tech Support	02/28/90	
	c.	Purchase data collector instrumentation to be used to collect the vibration data.	Helme Tech Support	02/28/90	
	d.	Provide Real-Time Training to Auxiliary Operators on operation of data collectors.	Helme Tech Support	02/28/90	*Training on 1st Shift completed.
	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	
	f.	After establishing mark points and ranges, revise PT's accordingly.	Helme Tech Support	08/31/90	

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D24		Implement Budgeting of Small Engineering Projects.	Helme Tech Support	Complete	

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D25		Use Project Management Approach in Planning/Execution of Outages.	Harrell OM&M	Complete	
	CRO 20	a. Adopt a modified project management approach to planning and executing unit outages.	Harrell OM&M	Complete	

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D26	CRO 18	Formalize Plant Work Schedule Adherence Control:	Harness BSEP	02/28/90*	
		a. Issue a policy statement that establishes as a goal Maintenance supervisors scheduling 80% of their manpower on the weekly schedule developed by the Site Work Force Control Group (SWFCG).	Harness BSEP	Complete*	*Reference PGMM 89-003 dated 12/14/89.
		b. Establish a practice of holding accountable anyone who makes a decision to interrupt or postpone a scheduled job.	Harness BSEP	Complete*	*Reference PGMM 89-003 dated 12/14/89.
		c. Direct the SWFCG to issue weekly to Section/Unit Managers an annotated copy of the previous week's schedule that shows for those scheduled jobs which were interrupted or not started: reason for the decision, person who made decision, number of manhours diverted to other work, and impact on plant.	Holder OM&M	02/28/90*	*SOP 2.41 meets the intent of this action but is being revised regarding frequency and distribution of reporting.

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D27	CRO 10 CRO 11	Improve tracking/disposition of temporary repairs/conditions to expedite elimination:	Helme Tech Support	03/30/90	PC has been obtained and software is being developed.
		a. Identify temporary conditions that require tracking and disposition at BNP.	Helme Tech Support	Complete*	*The types of conditions which are termed as "temporary conditions" have been identified.
		b. Designate a unit manager to track each type of temporary condition.	Harness BSEP	Complete*	
		c. Establish a priority for close-out efforts through application of the site-wide nuclear plant prioritization system.	Helme Tech Support	01/31/90	*The prioritization of temporary conditions will be conducted through each Unit with Technical Support as the coordinator. Details will be supplied in BSP-37.
		d. Assign responsibility for each item, with completion dates assigned.	Harness BSEP	Complete*	
		e. Track performance against targets: report status monthly to BNP Section/Project management; include assessment of schedule deviations/technical problems with corresponding corrective actions; assess the significance of backlog quarterly; and adjust priorities accordingly.	Helme Tech Support	02/15/90	Program development is taking longer than anticipated, but will not impact overall target date.
		f. Proceduralize program to track, disposition and control temporary repairs.	Helme Tech Support	03/30/90	*BSP-37 is in draft form and is to be distributed through PNSC in January 1990 for review and comments.

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D27		g. Incorporate into applicable BNP procedures: committee review/ approval of temporary conditions; prioritization of close-outs; requirement to develop detailed support for each extension request requirement to develop detailed support for each extension request; and backlog significance assessment.	Helme Tech Support	03/30/90	

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D28		Revise EOP's to Simplify and Match BWROG Guidelines:	Blackmon Operations	12/31/90	
	a.	Prepare PSTG.	Sawtschenko Operations	Complete*	*Reference OI-37 (draft).
	b.	Prepare writer's guide.	Sawtschenko Operations	Complete*	*Reference OI-28, rev. 14, dated 12/18/89.
	c.	Write procedures.	Sawtschenko Operations	04/30/90	
	d.	Preliminary verification.	Sawtschenko Operations	06/25/90	
	e.	Preliminary validation	Sawtschenko Operations	06/25/90	
	f.	Incorporate changes.	Sawtschenko Operations	08/06/90	
	g.	Final verification and validation.	Sawtschenko Operations	10/01/90	
	h.	Training.	Sawtschenko Operations	10/22/90	
	i.	Follow-up training, if required.	Sawtschenko Operations	12/31/90	
	j.	Incorporate changes, approve.	Sawtschenko Operations	12/31/90	

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D29		Implement NGG Guideline Re: Structure of CP&L ISI Programs, and Establishment of 6-month Information Exchanges:	Hill NPS	06/05/90	
	a.	Assign individual within Corporate Nuclear Technical Support Unit to manage this task.	Waldorf NPS	Complete	
	b.	Assign individual from designated departments to participate and support this task: BNP, HNP, RNP, NED.	Dept. Mgrs BNP/HNP/RNP NED	Complete*	
	c.	Assigned individuals meet to establish the desired "basic structure" of CP&L's ISI programs (responsibility and organization structure).	Assigned NPS Task Manager	01/15/90	
	d.	Summarize desired structure and identify any inconsistencies between nuclear project departments with recommendations as to final structure.	Assigned NPS Task Manager	02/30/90	
	e.	Obtain Senior Management decision on recommendations.	Hill, NPS Cutter, NSD Watson, NGG	03/30/90	
	f.	Draft NGGC and action steps for implementation for each affected department.	Assigned NPS Task Manager and assigned support personnel	05/01/90	
	g.	Transmit Nuclear Generation Group Guideline for approval.	Frazier NPS	05/05/90	

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D29		h. Transmit action steps for approval.	Hill NPS	05/05/90	
		i. Approve Nuclear Generation Group Guideline.	Designated Dept. Mgrs & Watson, NGG	06/05/90	
		j. Approve action steps for implementing steps as called for in Implementation guideline.	Designated Dept. Mgrs & Watson, NGG	06/05/90	

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D30		Implement Actions for Administrative Cost Containment:	Simpson C&A	06/30/90	
	CRA 11 CRA 12 CRA 15	a. Eliminate/consolidate financial reports and improve accounting and financial reporting processes.	Boyte CC&A	06/30/90	
	CRA 13	b. Evaluate and recommend cost containment methodologies.	Boyte CC&A	06/30/90	
	CRA 14	c. Eliminate/minimize performance of financial functions within non-financial units.	Simpson C&A	Complete	OA
	CRA 16	d. Identify and eliminate accounting process inefficiencies.	Boyte CC&A	06/30/90	
	CRA 26 CRA 27 CRA 28 CRA 29 CRA 31	e. Improve contracting practices.	Gray M&CS	06/30/90	
	CRA 17 CRA 18	f. Improve effectiveness of secretarial/ clerical support.	Willets Office Services	06/30/90	
	CRA 19 CRA 20 CRA 21 CRA 22	g. Improve document control practices.	Kesmodel Records Mgmt	06/30/90	*A goal of reducing distribution of procedures by 10% has been established.
	CRE 28 CRE 29 CRE 30 CRE 31	h. Re-evaluate the Equipment Database System (EDBS) development effort, and modify direction as appropriate.	Jones* C&A	03/31/90	

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D31		Consolidate, Update, Simplify BNP Procedures:	Simpson C&A	09/30/90	
	a.	Identify and document all site procedures, including purpose, content, administrator, and distribution.	Kesmodel Records Mgmt	02/15/90*	
	b.	Identify and evaluate relevant administrative processes.	Kesmodel Records Mgmt	02/15/90*	
	c.	Identify regulatory bases for procedures.	Kesmodel Records Mgmt	03/31/90*	
	d.	Develop evaluation schedule.	Kesmodel Records Mgmt	01/31/90*	
	e.	Conduct evaluations and update, consolidate, simplify, and eliminate procedures.	Kesmodel Records Mgmt	09/30/90	

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E1		Define, Track Operational and Management Performance; Document Goals to be Used to Manage Performance:	Starkey BNP	Complete*	
	a.	Develop preliminary department goals for 1990 - 1994.	Starkey BNP	Complete	
	b.	Direct Section Managers to develop section goals for 1990 - 1994 which support department goals.	Starkey BNP	Complete	Memo from R. B. Starkey, Jr. dated 11/29/89.
	c.	Direct Section Managers to ensure that goals are established for all levels of their organizations which support their section goals.	Starkey BNP	Complete	
	d.	Review section goals.	Starkey BNP	Complete*	*Section goals reviewed by 12/31/89.
	e.	Revise department, section, and lower level goals as necessary.	Starkey BNP	Complete*	*No revisions were deemed necessary.

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E2	CRO 1	Ensure Improvement Programs Are Implemented/Monitored:	Starkey	02/28/90	*Letter dated 01/03/90 from W. W. Simpson documented that this activity was completed on 12/18/89.
	CRO 2		BNP		
	CRA 7				
	CRA 9	a. Identify programs/initiatives requiring completion at Brunswick.	Starkey	Complete*	
	CRA 48		BNP		
	CRE 18				
	CRE 19	b. Designate a project manager for each project.	Starkey	01/15/90	
	CRO 12		BNP		
	CRO 21				
	CRO 22	c. Establish a completion plan for each project.	Starkey	02/28/90	
	CRO 23		BNP		
		d. Establish a tracking mechanism for each project.	Starkey	02/28/90	
			BNP		

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E3		Revise LOR Program, Emphasizing Effective Control Room Log Entries:	O'Sullivan BTU	03/30/90	
	a.	Revise LOR-SIM-GEN01 to add emphasis to log-keeping practices.	Sosler BTU	Complete	
	b.	Deliver training during Phase I LOR 1990.	Sosler BTU	03/30/90	Training schedule has been finalized with LOR Phase I from 02/19 - 3/30.

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E4.1		Issue Integrated Audit/Surveillance Plan:	Banks CQAD	12/31/90	
		a. Identify BNP engineering activities.	Whitehead/Jones CQAD	Complete	
		b. Define QA Auditing Unit and BNP QA/QC Unit audit/surveillance responsibilities for 1990.	Whitehead/Jones CQAD	Complete*	
		c. Implement BNP engineering audit/surveillance plan.	Whitehead/Jones CQAD	01/31/90	
		d. Evaluate results to determine if increased and more effective overview has been achieved.	Whitehead/Jones CQAD	12/31/90	

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E4.2		Develop Corporate QA Performance-based Overview Plan:	Bank-CQAD	12/31/90	
	a.	First draft developed.	Whitehead/Rose/ Dorman/Baur CQAD	Complete	
	b.	Issue draft for comments.	Whitehead/Rose/ Dorman/Baur CQAD	Complete	
	c.	Resolve comments and make presentation to CQAD management.	Whitehead/Rose/ Dorman/Baur CQAD	07/31/90	
	d.	Resolve comments and obtain necessary approvals.	Whitehead/Rose/ Dorman/Baur CQAD	10/31/90	
	e.	Implement plan.	Whitehead/Rose/ Dorman/Baur CQAD	12/31/90	

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E4.3		Adjust Audit Improvement Plans in Progress to Address DET Conclusions:	Banks CQAD	02/28/90	
		a. Identify adjustments required.	Whitehead CQAD	Complete	
		b. Incorporate into ongoing improvement plans; create new improvement plans as necessary.	Whitehead CQAD	02/28/90	

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E5		Analyze Methods of Independent Assessments for Performance Evaluation:	Banks CQAD	12/31/90	
		a. Select members for Project Quality Team to analyze nuclear evaluation and oversight functions.	Eury EVP	Complete	
		b. Gather data on industry evaluations and programs to incorporate best practices into Company programs.	Bowles/PQT CQAD	03/01/90	
		c. Identify desired changes in nuclear evaluation and oversight functions and attendant organizational structures.	Bowles/PQT CQAD	08/01/90	
		d. Implement desired changes in nuclear evaluation and oversight functions and attendant organizational structures.	Eury EVP	12/31/90	

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E6		Revise PT's for Proper Evaluation of Service Water Pump Performance:	Blackmon Operations	Complete	
	a.	Revise SW Pump PT's 1PT-24.1-1 and 2PT-24.1-2, based on Technical Support mark-up.	Mabry Operations	Complete	*Revisions approved 11/24/89.

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F1	CRA 43	Implement Career Development and Job Rotation Process:	Watson	06/30/90	*A Management Team is in place and has begun development of this program.
	CRA 44		NGG		
	CRA 45				
	CRA 46	a. Modify commitments made to Auxiliary Operators.	Watson	06/30/90	
	CRC 4		NGG		
	CRC 10	b. Develop a job rotation and management development program.	Watson	06/30/90	
	CRC 14		NGG		
	CRC 26				
	CRC 29	c. Incorporate use of employee involvement techniques into supervisory and managerial skills training.	Goodnight	06/30/90	
	CRC 30		Emp. Relations		
	CRC 31		Quarles		
CRO 8	TQ Mgmt				
CRO 9	d. Review nuclear supervisory training programs to determine adequacy and effectiveness in building management skills.	Watson	06/30/90		
		NGG			
	e. Implement a senior operations (SOS and SF) personnel shift rotation program at Brunswick.	Harness	06/30/90		
		BSEP			

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F2		Incorporate Quality, Safety and Cost Effectiveness Criteria in Performance Appraisal Program:	Starkey BNP	06/30/90	
	a.	Evaluate the proposed CP&L performance appraisal program for applicability to Brunswick.	Simpson C&A	01/31/90*	*Evaluation is underway but not complete.
	b.	Develop criteria for appraisal of leadership skills.	Warden Maintenance	02/28/90*	*Draft criteria are developed but not finalized.
	c.	Identify other criteria for incorporation into appraisal program.	Simpson C&A	01/31/90	
	d.	Develop performance appraisal training program for Brunswick	Simpson C&A	02/28/90	
	e.	Conduct training of Brunswick managers and supervisors.	Simpson C&A	04/30/90	
	f.	Revise position descriptions of all Brunswick personnel.	Simpson C&A	06/30/90	

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F3	CRA 8	Review Awards and Incentives	Watson	12/31/90	
	CRC 3	Possibilities and Develop Implementation	NGG		
	CRC 8	Plan for Enhancements:			
	CRC 9				
	CRC 16	a. Consider alternate rewards techniques	Watson	12/31/90	
	CRC 19	that share cost savings with	NGG		
	CRC 20	employees.			
	CRC 21				
	CRC 22	b. Consider recognition programs that	Watson	12/31/90	
	CRC 23	focus on group innovations.	NGG		
	CRC 24				
	CRC 25	c. Ensure that the performance	Watson	12/31/90	
	CRC 27	appraisal system and the merit pay	NGG		
		system are appropriately linked.			
		d. Consider methods for non-financial	Watson	12/31/90	
	recognition.	NGG			
	e. Identify training, as required, for	Watson	12/31/90		
	implementation of new rewards and	NGG			
	incentives programs.				

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F4	CRA 4 CRA 30	Provide formal Training in Business Fundamentals:	Simpson C&A	03/31/90	
		a. Develop budgeting and business planning course objectives and curriculum.	Lewis B&BP	Complete*	
		b. Identify personnel to be trained in budgeting and business planning and schedule classes.	Lewis BNP B&BP	Complete*	
		c. Conduct budgeting and business planning classes.	Lewis B&BP	03/31/90	
		d. Develop contract administration course objectives and curriculum.	Gray M&CS	Complete*	*Memo BSEP/89-1103, 12/13/89, from C. H. Gray to Plant Management Group.
		e. Identify personnel to be trained in contract administration classes.	Gray M&CS	Complete*	
		f. Conduct contract administration training.	Gray M&CS	03/31/90	

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G1	CRC 2 CRC 6 CRC 7 CRC 13	Implement Actions to Resolve People Issues, Including an Employee Suggestion System:	Simpson C&A	02/28/90	
		a. Establish a system for employees to make suggestions to management.	Simpson C&A	02/28/90	
		b. Provide for effective follow-up by management to suggestions.	Simpson C&A	02/28/90	
		c. Ensure that cost-effectiveness is the key focus of the suggestion system.	Simpson C&A	02/28/90	

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G2	CRA 47 CRA 48	Re-emphasize and Encourage Support of TQ Process:	Simpson C&A	03/31/90	
		a. Evaluate status of management TQ training and development needs.	Core C&A	01/31/90	
	CRA 49 CRC 15	b. Develop communication program for middle management, re-emphasizing importance of the Total Quality program.	Core C&A	03/31/90	

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G3	CRO 7	Improve Organizational and Individual Ownership Commitments, Including Procedural Adherence:	Blackmon Operations	12/30/90	
		a. Survey operators' attitudes.	Strickland Operations	Complete	
		b. initiate contract request for procedure writers.	Strickland Operations	Complete	
		c. Approve funds and contract for procedure writers.	Blackmon Operations	Complete	
		d. Organize review and schedule OI-28 backlog reduction.	Strickland Operations	02/01/90	
		e. Monitor backlog reduction.	Strickland Operations	06/30/90	
		f. Perform second operator survey.	Strickland Operations	06/30/90	
		g. Compare results of survey and provide recommendations.	Strickland Operations	07/30/90	
		h. Complete reduction of backlog.	Strickland Operations	12/30/90	

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