



Carolina Power & Light Company

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Company Correspondence

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

April 3, 1990

FILE: B09-13510A
SERIAL: BSEP/90-0302

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/cj

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

Company Correspondence

MEMORANDUM TO: Mr. R. A. Watson

FROM: R. B. Starkey, Jr.

SUBJECT: Integrated Action Plan

As of February 28, 1990, twenty of the sixty-one Level 1 Action Items were complete; nine of them significantly ahead of schedule.

One Level 1 Action Item that was scheduled to be completed by the end of February has been rescheduled to the end of March, as described below. It should be noted that this action item was originally scheduled for September 30, 1990. In November 1989, this schedule was advanced to February 28, 1990. Even with this rescheduling to March 1990, this action item will be completed in advance of its original target completion date.

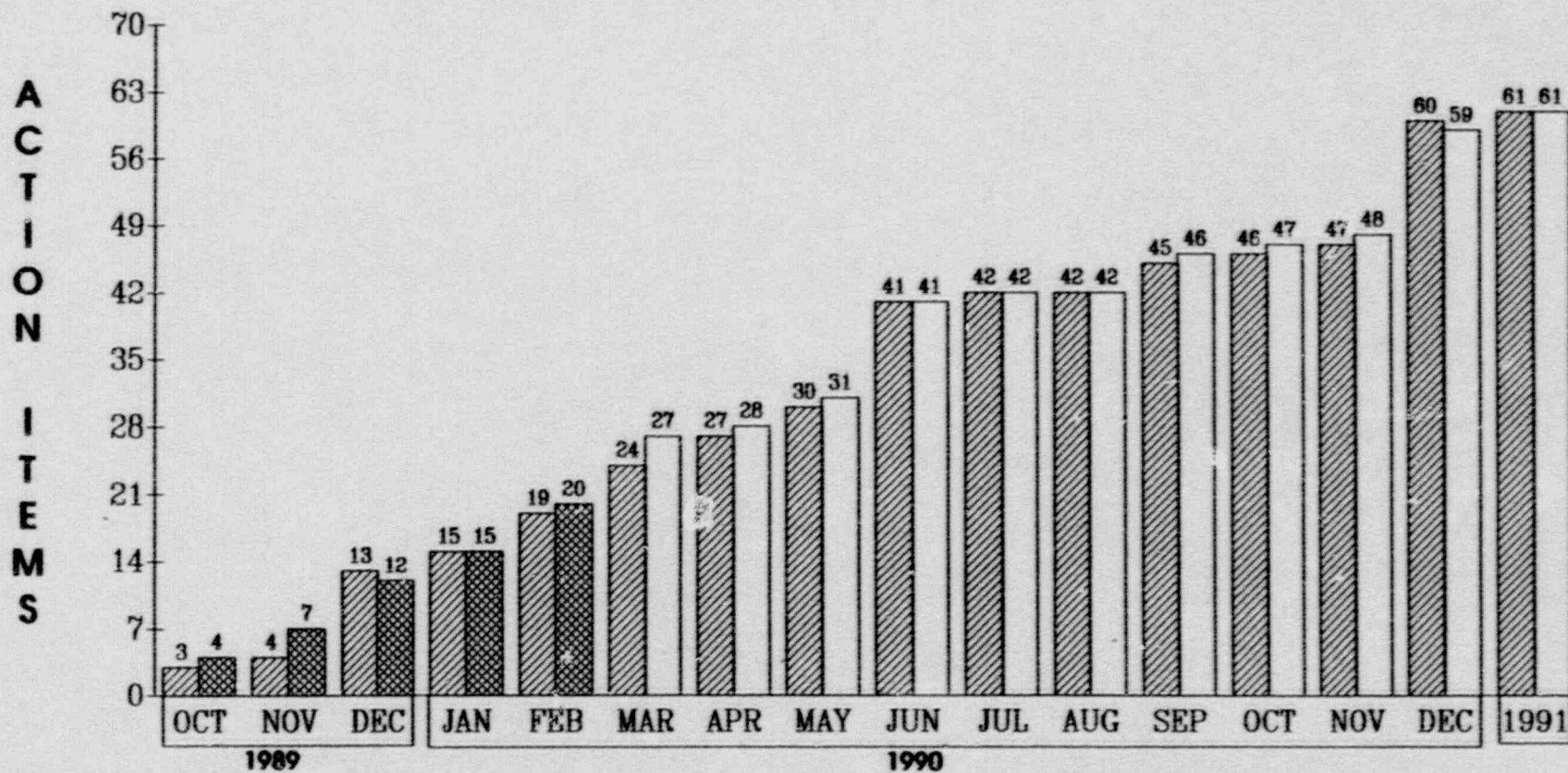
- E2 "Ensure improvement programs are implemented/monitored." The programs to be monitored under this action item have been identified, and project managers have been assigned for each program; however, the completion plans and tracking mechanisms for some of the programs are still under development.

Attached are the Level 1 and Level 2 Integrated Action Plans, which are current through February 28. Changes from last month's report are indicated by an asterisk. Also attached are graphs which show our Level 1 and Level 2 progress against the schedule. We have also added two new graphs to this report, which illustrate actual and projected schedule performance on Level I Action Items.

KMC/cj
Attachment

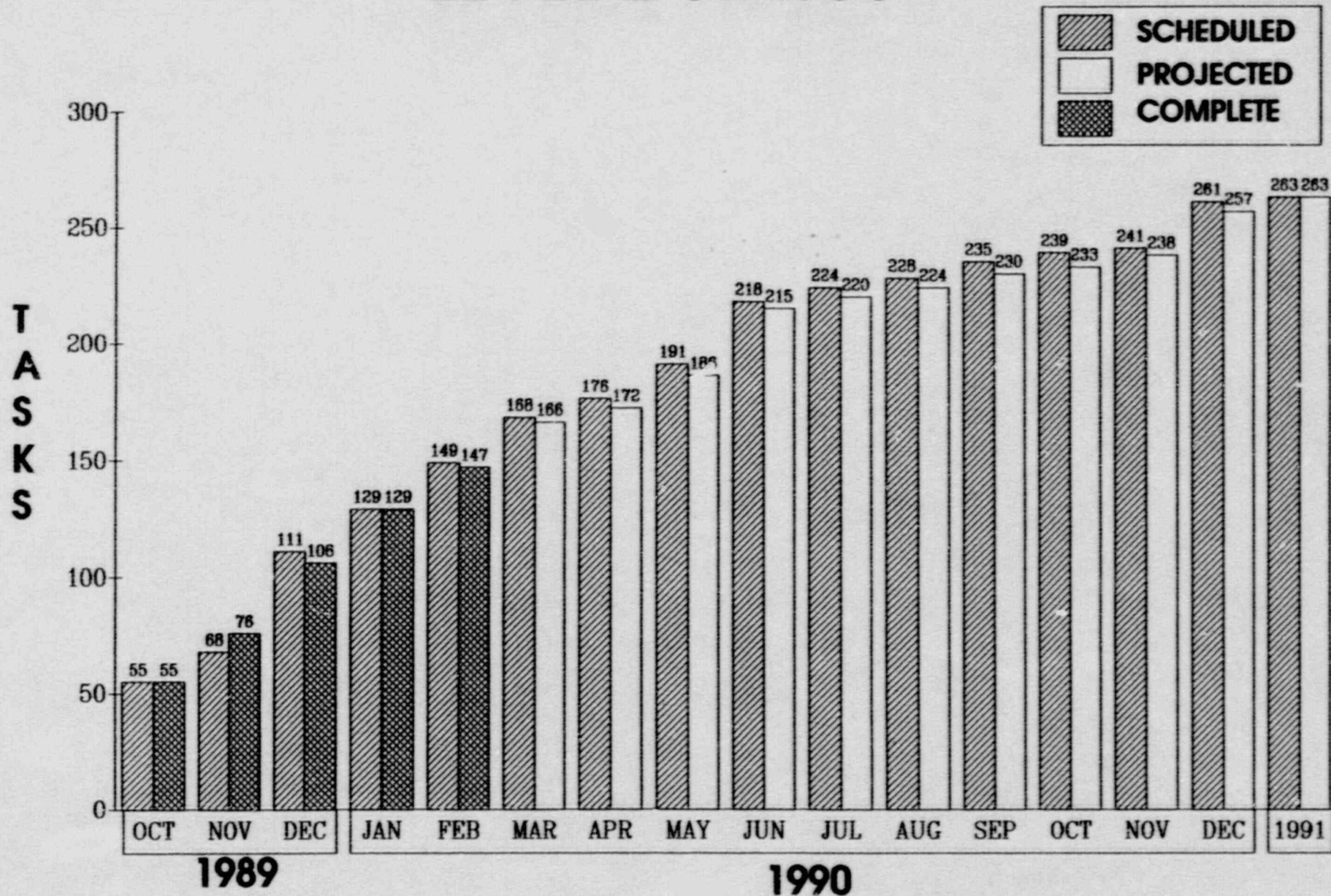
cc: Mr. H. R. Banks	Mr. J. F. Holder
Mr. J. M. Brown	Mr. L. I. Loflin
Ms. K. M. Core	Mr. A. M. Lucas
Mr. A. B. Cutter	Ms. P. D. Morris
Mr. C. R. Dietz	Mr. J. W. Moyer
Mr. R. E. Gurganus	Mr. R. B. Richey
Mr. J. L. Harness	Mr. W. W. Simpson
Mr. M. D. Hill	Mr. M. S. Staton

INTEGRATED ACTION PLAN LEVEL 1 STATUS



NOTE: ORIGINAL IAP HAD 56 ITEMS. FOUR ACTION ITEMS HAVE BEEN SUB-DIVIDED FOR CLARITY, RESULTING IN A NEW TOTAL OF 61 ACTION ITEMS.

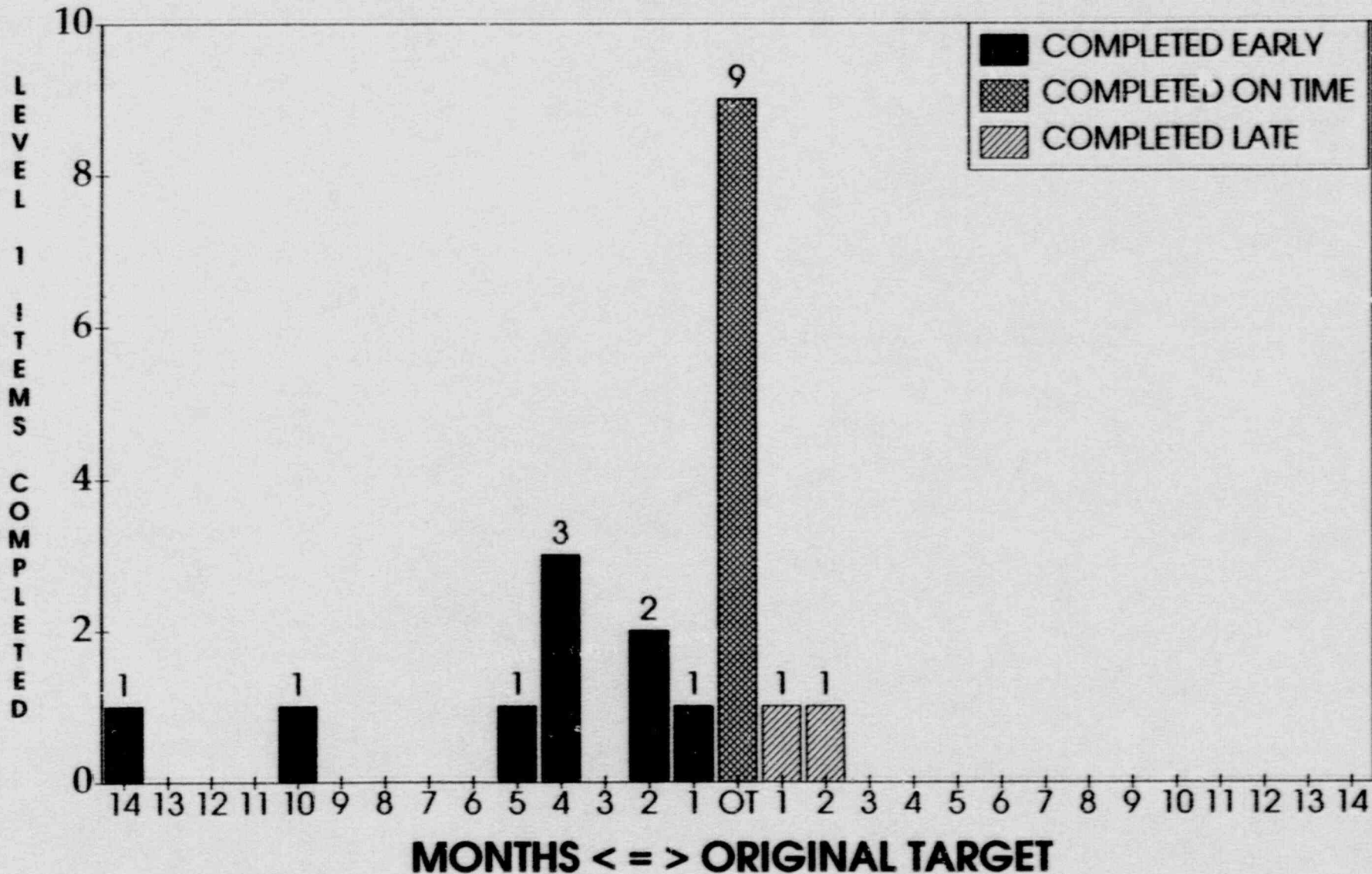
INTEGRATED ACTION PLAN LEVEL 2 STATUS



IAP STATUS PRESENTATION

SCHEDULE PERFORMANCE - COMPLETED ITEMS

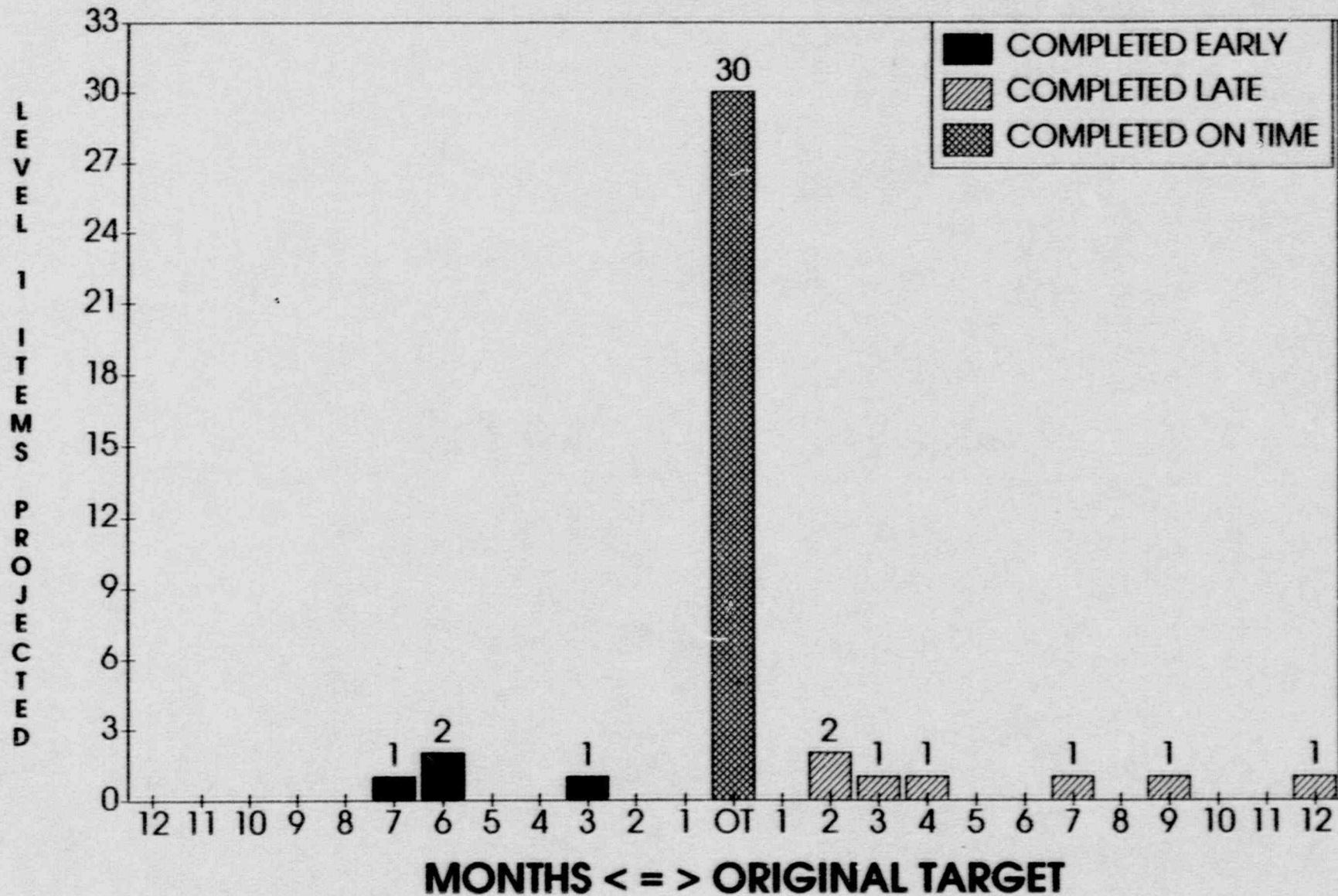
AS OF FEBRUARY 28, 1990



IAP STATUS PRESENTATION

SCHEDULE PERFORMANCE - PROJECTED ITEMS

AS OF FEBRUARY 28, 1990



BRUNSWICK NUCLEAR PROJECT

INTEGRATED ACTION PLAN STATUS: February 28, 1990

<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	06/30/90*	
A2	Improve External Relationships	01/31/90	Complete	The CP&L/NRC Interaction Plan, Rev. 2, has been published and implemented.
B1	Implement Technical Support Improvements	09/30/90	09/30/90	
B2	Implement NED Organizational Improvements	06/30/90	Complete*	
B3	Implement Nuclear Training Organizational Improvements	06/30/90	Complete*	
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	Complete*	*Programs/processes are in place to prioritize new work and existing backlogs.
C2	Establish NED Budget Item for Generic Work	12/31/89	Complete	1990 Budget

* Indicates change from previous month's report.

IAPS

BRUNSWICK NUCLEAR PROJECT

INTEGRATED ACTION PLAN STATUS: February 28, 1990

<u>IAP NO.</u>	<u>ACTION ITEM</u>	<u>ORIGINAL TARGET DATE</u>	<u>CURRENT TARGET DATE</u>	<u>COMMENTS</u>
C3	Establish Budget & Release Process for Non-IPBS Engineering	12/31/89	Complete	
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	
D5	Implement Recommendations of HPCI Reliability-Centered Maintenance Study	12/31/90	02/28/91	
D6	Address Service Water System Design Issues	11/30/90	11/30/90	*Tied to Unit 1 Refueling Outage. Unit 2 complete.
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.

IAPS

BRUNSWICK NUCLEAR PROJECT
INTEGRATED ACTION PLAN STATUS: February 28, 1990

<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	Complete*	
D14	Improve Consistency of Procurement Processes by Nuclear Plants	10/01/90	10/01/90	
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.

IAPS

BRUNSWICK NUCLEAR PROJECT

INTEGRATED ACTION PLAN STATUS: February 28, 1990

<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	Complete	AI-97, Rev. 2, approved 01/09/90.
D23	Integrate PM Vibration Programs 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	Complete	
D27	Improve Tracking/Disposition of Temporary Repairs/Conditions to Expedite Elimination	12/31/89	03/30/90	Activities involved with this item require substantial input from other CP&L departments, which wasn't immediately available.

* Indicates change from previous month's report.

IAPS

BRUNSWICK NUCLEAR PROJECT
INTEGRATED ACTION PLAN STATUS: February 28, 1990

<u>IAP NO.</u>	<u>ACTION ITEM</u>	<u>ORIGINAL TARGET DATE</u>	<u>CURRENT TARGET DATE</u>	<u>COMMENTS</u>
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	03/31/90*	*Completion plans and tracking mechanisms are being developed.
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	
E4.2	Develop Corporate QA Performance-Based Overview Plan	12/31/90	12/31/90	

* Indicates change from previous month's report.

BRUNSWICK NUCLEAR PROJECT INTEGRATED ACTION PLAN STATUS: February 28, 1990

<u>IAP NO.</u>	<u>ACTION ITEM</u>	<u>ORIGINAL TARGET DATE</u>	<u>CURRENT TARGET DATE</u>	<u>COMMENTS</u>
E4.3	Adjust Audit Improvements in Progress to Address DET Conclusions	12/31/90	Complete*	
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	09/30/90	Instead of a Brunswick-only System, a corporate program will be developed, with Brunswick as a pilot implementation.

* Indicates change from previous month's report.

BRUNSWICK NUCLEAR PROJECT
INTEGRATED ACTION PLAN STATUS: February 28, 1990

<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.

IAPS

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

02/28/90

<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	06/30/90*	
		a. Develop and document strategy for Brunswick.	Core C&A	Complete	Issued to Site Management by R. B. Starkey memo dated 02/05/90.
		b. Track and document implementation of strategy components.	Core C&A	06/30/90*	*One year of historical documentation of the com- munications strategy will have been collected and organized by the end of June.

* Indicates change from previous month's report.

IAPS2

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

02/28/90

<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	Complete	
	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	
	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	Complete	CP&L/NRC Interaction Plan revision 2 has been published which assigns clear responsibilities, goals, and time frames for each policy and program development.

* Indicates change from previous month's report.

IAPS2

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

02/28/90

<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	Complete	The mission and function has been defined and communicated to Technical Support Management. It is contained in ENP-01, Rev. 5, dated 02/08/90.
	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	Complete*	*ENP-606, Rev. 2 was issued on February 15, 1990.
	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.

IAPS2

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

02/28/90

<u>IAP NO.</u>	<u>REF.</u>	<u>ACTION ITEM</u>	<u>RESPONSIBILITY</u>	<u>TARGET DATE</u>	<u>COMMENTS</u>
B2		Implement Nuclear Engineering Department Organizational Improvements:	Lucas NED	Complete*	
	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	Complete*	*NED policy on personnel rotation approved on February 28, 1990.
	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 EDDBS function and personnel to NED.	Lucas/ Brown NED	Complete	

* Indicates change from previous month's report.

IAPS2

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

02/28/90

<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	Complete*	
	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	Complete*	
	CRA 35	d. Implement procedures and practices to improve instructor utilization.	O'Sullivan BTU	Complete*	
	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

02/28/90

<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.	Smith 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	
	CRE 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

02/28/90

<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 Modification/Outage identified; to report in March.
	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 IAF

02/28/90

<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 BCU.	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.

IAPS2

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

02/28/90

<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	Complete*	*Programs/processes are in place to prioritize new items and existing backlogs.
		a. Develop guidelines/procedures for use of the prioritization process.	Wagoner OM&M	Complete	
		b. Develop guidelines/procedures for linkage between priority ranking and budget inclusion.	Wagoner OM&M	Complete*	
	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	Complete	Site processes now incorporate Nuclear Prioritization Process.
	CRE 17	e. Apply prioritization process to new work and existing backlogs.	Wagoner OM&M	Complete*	

* Indicates change from previous month's report.

IAPS2

BRUNSWICK NUCLEAR PROJECT

LEVEL 2 IAP

02/28/90

<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

02/28/90

<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	12/18/89 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 Smith B&BP	Complete	

* Indicates change from previous month's report.

IAPS2

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

02/28/90

<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

02/28/90

<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	Complete*	*Completed on 03/08/90.
	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 report.

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

02/28/90

<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

02/28/90

<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	Complete	
		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	

* Indicates change from previous month's report.

BRUNSWICK NUCLEAR PROJECT LEVEL 2 IAP

02/28/90

<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	Complete	
	d.	Review engineering procedures for consistency.	Johnson Tech Support	Complete	

* Indicates change from previous month's report.

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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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<u>IAP NO.</u>	<u>REF.</u>	<u>ACTION ITEM</u>	<u>RESPONSIBILITY</u>	<u>TARGET DATE</u>	<u>COMMENTS</u>
D5	CRO 13 CRO 14	Implement Recommendations of HPCI Reliability-Centered Maintenance Study:	Helme Tech Support	02/28/91	HPCI engineer has accepted offer of employment.
		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	

* Indicates change from previous month's report.

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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. Unit 2 complete.
	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.	Bishop NED	12/31/91	*Project schedule and plan have been completed and submitted for management approval. Review of SW, HPCI, and SLC open items for trends and generic issues has begun.
	b.	Complete the UE&C Piping Design Turnover Project.	Langlois NED	12/31/91	*29.25% 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	SSH completed 12/20/89.

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D8		Complete Update of Corporate and Site Design Procedures.	Brown NED	03/31/90	*27 procedures, 10 revisions complete/ approved, 1 revision in development, 10 voided, 2 combined, 3 in review, 1 in approval cycle.

* Indicates change from previous month's report.

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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	Being driven, in part, by the corporate Corrective Action Task Force.
	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	Complete*	*Program Manual approved on February 14, 1990.
	b.	Procedure development, training, and implementation of the program.	Martin NTS	06/15/90	Adjunct instructors have been identified. Lesson plans are being developed. Identification of plant procedures needing revision is underway.

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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.	Smith 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.	Smith B&BP	Complete*	
		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. Smith memo to file, dated 01/04/90. Re: CRESAP Recommendations.

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D13		Review BNP Procedures for Compliance with PAM Intent:	Hill NPS	Complete*	
	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.	Simpson C&A	Complete*	*Response to report issued February 27, 1990.

* Indicates change from previous month's report.

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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	Complete	
		c. Summarize results of "b" and provide for management review.	Waldorf NPS	Complete*	
		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	Complete*	
	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	05/31/96	
		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	Complete	
	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	Complete	
	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	Complete	
	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	
	e.	Draft procedure and interface agreement.	Hagewood Maintenance	Complete	
	f.	Labeling procedure approved, and action plan for retagging.	Hagewood Maintenance	Complete	AI-97, Rev. 2, approved 01/09/90.

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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	06/30/90*	*Equipment will be marked as baseline data is taken in order to reduce radiation exposure.
	c.	Purchase data collector instrumentation to be used to collect the vibration data.	Helme Tech Support	03/31/90*	*Purchase order issued for this equipment. Delivery expected in March.
	d.	Provide Real-Time Training to Auxiliary Operators on operation of data collectors.	Helme Tech Support	Complete	
	e.	Develop reference values and baselines to establish the initial points and determine the "alert" and "required action" ranges.	Helme Tech Support	06/30/90*	*This task delayed due to late arrival of needed equipment (D23.c).
	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	Complete	
		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	Complete	SOP-2.41, rev. 2, 01/22/90, addresses this accountability and documents per Attachment A of the SOP.

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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	
		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. The definition will be formalized in PLP-011, Procedure for the Tracking of Plant Temporary Conditions.
		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	Complete	Temporary conditions are prioritized using BSP-36. Review and closeout will occur routinely at the monthly PNSC meeting.
		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	03/30/90*	*First report will be issued in March.

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D27		f. Proceduralize program to track, disposition and control temporary repairs.	Helme Tech Support	03/30/90	
		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).	Bauer NPS	Complete	
	d.	Summarize desired structure and identify any inconsistencies between nuclear project departments with recommendations as to final structure.	Bauer NPS	Complete*	
	e.	Obtain Senior Management decision on recommendations.	Hill, NPS Cutter, NSD Watson, NGG	03/30/90	
	f.	Draft NGGG 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.	Willetts 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 Proc Eng	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	Complete*	
	b.	Identify and evaluate relevant administrative processes.	Kesmodel Records Mgmt	Complete*	
	c.	Identify regulatory bases for procedures.	Kesmodel Records Mgmt	03/31/90	
	d.	Develop evaluation schedule.	Kesmodel Records Mgmt	Complete	
	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 CRO 2 CRA 7 CRA 9 CRA 48 CRE 18	Ensure Improvement Programs Are Implemented/Monitored:	Starkey BNP	03/31/90*	
		a. Identify programs/initiatives requiring completion at Brunswick.	Starkey BNP	Complete	Letter dated 01/03/90 from W. W. Simpson documented that this activity was completed on 12/18/89.
	CRE 19 CRO 12 CRO 21	b. Designate a project manager for each project.	Starkey BNP	Complete	Letter dated 01/17/90 from R. B Starkey designated 8 project managers for the 8 improvement programs.
	CRO 22 CRO 23	c. Establish a completion plan for each project.	Starkey BNP	03/31/90*	*Completion plans and tracking mechanisms for certain programs are still under development/review.
		d. Establish a tracking mechanism for each project.	Starkey BNP	03/31/90*	*See E2.c.

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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/ Dorman* CQAD	Complete	
	b.	Define QA Auditing Unit and BNP QA/QC Unit audit/surveillance responsibilities for 1990.	Whitehead/ Dorman* CQAD	Complete	
	c.	Implement BNP engineering audit/surveillance plan.	Whitehead/ Dorman* CQAD	Complete	
	d.	Evaluate results to determine if increased and more effective overview has been achieved.	Whitehead/ Dorman* CQAD	12/31/90	

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E4.2		Develop Corporate QA Performance-based Overview Plan:	Banks 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	Complete*	
		a. Identify adjustments required.	Whitehead CQAD	Complete	
		b. Incorporate into ongoing improvement plans; create new improvement plans as necessary.	Whitehead CQAD	Complete*	

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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	Complete*	*Initial data gathering complete. Additional contacts will be made if it appears beneficial.
		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 IPT-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				
	CRC 14	b. Develop a job rotation and management development program.	Watson	06/30/90	
	CRC 26		NGG		
	CRC 29				
	CRC 30	c. Incorporate use of employee involvement techniques into supervisory and managerial skills training.	Goodnight	06/30/90	
	CRC 31		Emp. Relations		
	CRO 8		Quarles		
	CRO 9		TQ Mgmt		
		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	Complete	
	b.	Develop criteria for appraisal of leadership skills.	Warden Maintenance	Complete	Presentation to Site Management made on 02/26/90.
	c.	Identify other criteria for incorporation into appraisal program.	Simpson C&A	Complete	
	d.	Develop performance appraisal training program for Brunswick	Simpson C&A	05/31/90*	*Pilot program has been evaluated for use at Brunswick. Employee Relations is developing a corporate implementation program, which will include Brunswick.
	e.	Conduct training of Brunswick managers and supervisors.	Simpson C&A	06/30/90*	*See comment for Task F2.d.
	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	A corporate program is under development and will be reviewed for specific application to the Nuclear Generation Group.
	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.	Smith B&BP	Complete	
		b. Identify personnel to be trained in budgeting and business planning and schedule classes.	Smith B&BP	Complete	
		c. Conduct budgeting and business planning classes.	Smith 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	Implement Actions to Resolve People Issues, including an Employee Suggestion System:	Simpson C&A	09/30/90	Instead of a Brunswick-only System, a corporate program will be developed, with Brunswick as a pilot implementation.
	CRC 13	a. Establish a system for employees to make suggestions to management.	Simpson C&A	09/30/90	
		b. Provide for effective follow-up by management to suggestions.	Simpson C&A	09/30/90	
		c. Ensure that cost-effectiveness is the key focus of the suggestion system.	Simpson C&A	09/30/90	

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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	Complete	Memo to W. W. Simpson from K. M. Core, 01/18/90, "Status of Management TQ Training Needs."
	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	TQ Opinion Survey to be conducted in February-March to form the basis of the 1990 program.

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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	Complete*	
		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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