February 16, 1996

LICENSEE: Georgia Power Company, et al.

FACILITY: Vogtle Nuclear Plant, Units 1 and 2

SUBJECT: SUMMARY OF JANUARY 11-12, 1996, MEETING WITH GEORGIA POWER COMPANY ON ENGINEERING PROGRAM PERFORMANCE

Members of the NRC staff met with representatives of Georgia Power Company (GPC) on January 11, 1996, at the Vogtle Electric Generating Plant (VEGP) site near Waynesboro, Georgia, and on January 12, 1996, at GPC's corporate offices in Birmingham, Alabama. The purpose of the meetings was to review site and corporate engineering activities that have supported plant operations for the past 18 months. Enclosure 1 is a list of attendees at both meetings.

The engineering program areas of interest to the NRC staff were overall management performance; engineering design control; engineering support for operations, outages, maintenance, testing, surveillances and procurement; and, support for licensing activities. Specific items reviewed by the NRC staff during the site visit included the licensee's Deficiency Card system, the Performance Team organization, operability determinations, and the development of safety evaluations under the provisions of 10 CFR 50.59. Additional items reviewed were the status of implementation of the Maintenance Rule, contingency planning for unscheduled outages, and the trending of engineering program performance indicators. Discussions with licensee representatives at the corporate offices focused on the use of probabilistic risk assessments and engineering support for licensing activities. Enclosure 2 provides the documents used by the licensee during their discussions. The NRC staff also expressed an interest in feedback from the licensee on the regulatory impact of NRC activities on licensee programs and plant operations.

Original signed by:

Louis L. Wheeler, Senior Project Manager
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket Nos. 50-424 and 50-425

Enclosures: 1. List of Attendees
2. Meeting Document

cc w/encl: See next page

Distribution w/encls. 1&2	Distribution w/encl. 1 only	
Docket File	WRussell/FMiraglia	EJordan
PUBLIC	RZimmerman	ACRS
PD 2-2 Reading	SVarga	GTracy, EDO
EMerschoff, RII	JZwolinski	LWiens
DWheeler	SShankman	
	LBerry	
	OGC	

DOCUMENT NAME: G:\VOGTLE\MEETSUM.SLP

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	LA:PD22:DRPE	E	PM:PD22:DRPE	E	AD:PD22:DRPE	N				
NAME	LBerry		DWheeler							
DATE	2/15/96		2/15/96		2/16/96					

CIAL RECORD COPY

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

February 16, 1996

LICENSEE: Georgia Power Company, et al.

FACILITY: Vogtle Nuclear Plant, Units 1 and 2

SUBJECT: SUMMARY OF JANUARY 11-12, 1996, MEETING WITH GEORGIA POWER COMPANY ON ENGINEERING PROGRAM PERFORMANCE

Members of the NRC staff met with representatives of Georgia Power Company (GPC) on January 11, 1996, at the Vogtle Electric Generating Plant (VEGP) site near Waynesboro, Georgia, and on January 12, 1996, at GPC's corporate offices in Birmingham, Alabama. The purpose of the meetings was to review site and corporate engineering activities that have supported plant operations for the past 18 months. Enclosure 1 is a list of attendees at both meetings.

The engineering program areas of interest to the NRC staff were overall management performance; engineering design control; engineering support for operations, outages, maintenance, testing, surveillances and procurement; and, support for licensing activities. Specific items reviewed by the NRC staff during the site visit included the licensee's Deficiency Card system, the Performance Team organization, operability determinations, and the development of safety evaluations under the provisions of 10 CFR 50.59. Additional items reviewed were the status of implementation of the Maintenance Rule, contingency planning for unscheduled outages, and the trending of engineering program performance indicators. Discussions with licensee representatives at the corporate offices focused on the use of probabilistic risk assessments and engineering support for licensing activities. Enclosure 2 provides the documents used by the licensee during their discussions. The NRC staff also expressed an interest in feedback from the licensee on the regulatory impact of NRC activities on licensee programs and plant operations.

Louis L. Wheeler, Senior Project Manager
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket Nos. 50-424 and 50-425

Enclosures: 1. List of Attendees
2. Meeting Documents

cc w/encl: See next page

cc:

Mr. J. A. Bailey
Manager - Licensing
Georgia Power Company
P. O. Box 1295
Birmingham, Alabama 35201

Mr. J. B. Beasley
General Manager, Vogtle Electric
Generating Plant
P. O. Box 1600
Waynesboro, Georgia 30830

Regional Administrator, Region II
U. S. Nuclear Regulatory Commission
101 Marietta Street, NW., Suite 2900
Atlanta, Georgia 30323

Office of Planning and Budget
Room 615B
270 Washington Street, SW.
Atlanta, Georgia 30334

Office of the County Commissioner
Burke County Commission
Waynesboro, Georgia 30830

Mr. J. D. Woodard
Senior Vice President -
Nuclear Operations
Georgia Power Company
P. O. Box 1295
Birmingham, Alabama 35201

Mr. C. K. McCoy
Vice President - Nuclear
Vogtle Project
Georgia Power Company
P. O. Box 1295
Birmingham, Alabama 35201

Harold Reheis, Director
Department of Natural Resources
205 Butler Street, SE. Suite 1252
Atlanta, Georgia 30334

Attorney General
Law Department
132 Judicial Building
Atlanta, Georgia 30334

Mr. Thomas P. Mozingo
Program Manager
Nuclear Operations
Oglethorpe Power Corporation
2100 East Exchange Place
P. O. Box 1349
Tucker, Georgia 30085-1349

Charles A. Patrizia, Esquire
Paul, Hastings, Janofsky & Walker
12th Floor
1050 Connecticut Avenue, NW.
Washington, DC 20036

Arthur H. Domby, Esquire
Troutman Sanders
NationsBank Plaza
600 Peachtree Street, NE.
Suite 5200
Atlanta, Georgia 30308-2216

Resident Inspector
U. S. Nuclear Regulatory Commission
8805 River Road
Waynesboro, Georgia 30830

LIST OF ATTENDEES

January 11, 1996

NRC	GPC
L. Wheeler	W. Burmeister
L. Wiens	K. Holmes
	E. Kozinski
	R. Odom
	P. Rushton
	M. Sheibani
	J. Swartzwelder

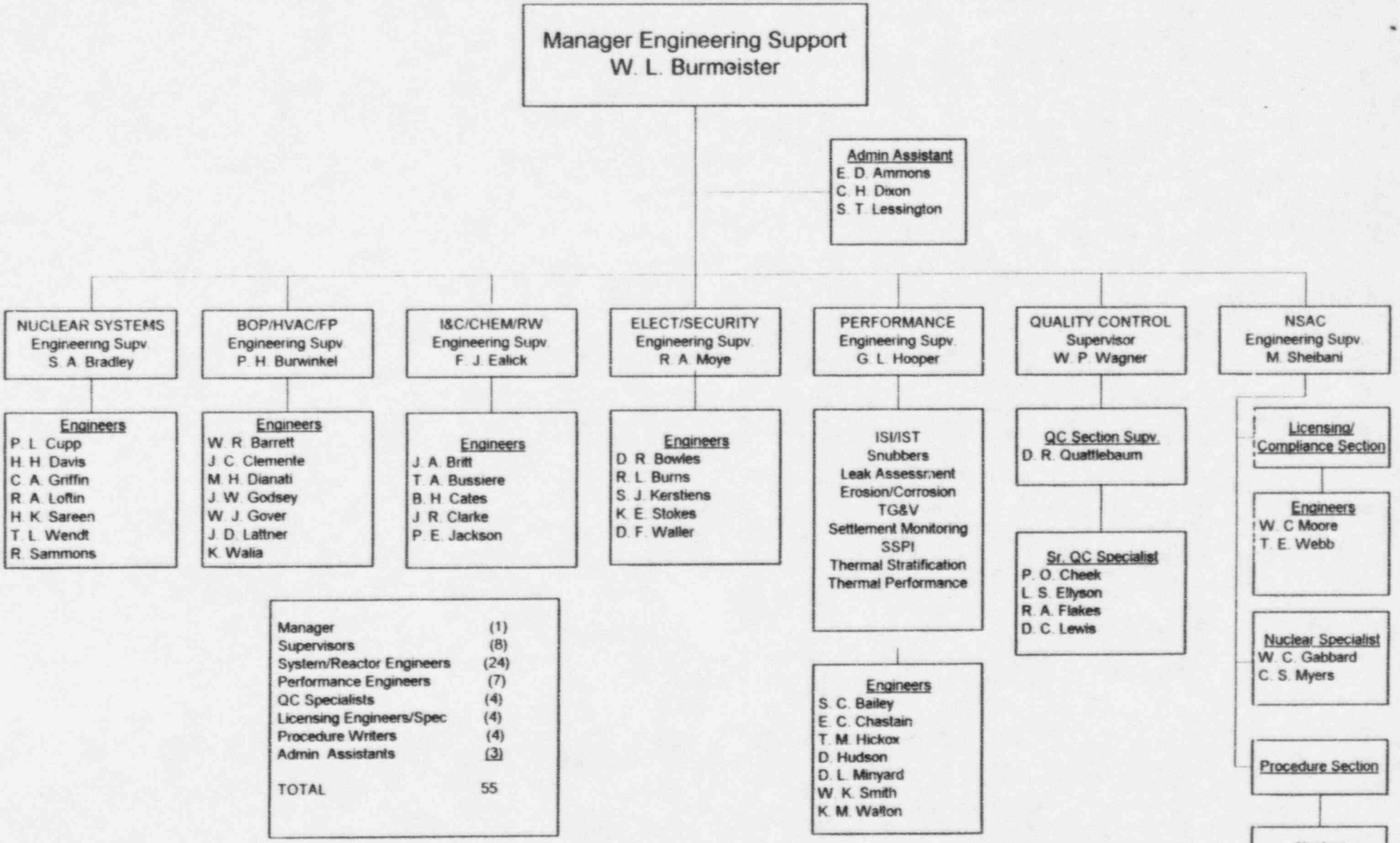
January 12, 1996

NRC	GPC
L. Wheeler	J. Bailey
L. Wiens	J. Edwards
	K. Glandon
	D. Lloyd
	H. Majors
	A. Streetman

ENCLOSURE 1

VOGTLE NUCLEAR PLANT

November 8, 1995



ENCLOSURE 2

1.0 PURPOSE AND SCOPE

This procedure describes the requirement and responsibilities for identifying, evaluating, reporting, and dispositioning deficiencies at the Vogtle Electric Generating Plant. The procedure also provides the details for processing Deficiency Cards generated when a deficiency is identified.

2.0 DEFINITIONS

2.1 CONDITIONAL RELEASE

Allowing an item/component which has been received but has been found nonconforming or indeterminate, to be installed in the plant, but may not be relied upon to perform its intended function until the condition has been resolved and found acceptable for use. Consumable materials are not conditionally released.

2.2 DEFICIENCY

A deficiency is a nonconforming condition adverse to quality, such as failures or malfunctions of equipment, deviations from design documents or plant procedures, and personnel errors. For additional guidance, refer to Section 4.0.

2.3 DEFICIENCY CARD (DC)

A card, similar to that shown in Figure 1, used to identify deficiencies.

2.4 DEFICIENCY CARD NUMBER

A unique number assigned to a tan Deficiency Card (Figure 1) [i.e., 1-87-0001 (unit-year-sequential number)]. DCs on common systems will use Unit 1 prefix.

2.5 HARDWARE NOT AFFECTED

A disposition assigned when a deviation from procedures or programs occurs that in no way alters or deviates from the design or changes any hardware.

2.6 IMMEDIATE CORRECTION ACTION

Actions directed by the Unit Shift Supervisor (USS) to place the plant in a safe condition, comply with license requirements, and return equipment to normal operating conditions.

2.7 LONG TERM CORRECTIVE ACTION

Actions recommended to prevent recurrence. These actions are determined after root cause determination.

2.8 MAINTENANCE PREVENTABLE FUNCTIONAL FAILURE (MPFF)

The failure of a structure, system, or component (SSC) to perform its intended Maintenance Rule Function, where the cause of the failure of the SSC is attributable to a maintenance-related activity or absence thereof.

2.9 MATERIAL DEFICIENCY

The condition of a procurement level AQ, CG, or SR item (equipment, components, parts, material, etc.) that is adverse (non-conforming) to the technical and quality requirements of the plant. Material deficiencies may be identified at any time prior to installation.

2.10 MATERIAL DEFICIENCY CARD (Material DC)

A card, similar to that shown in Figure 2, used to identify material deficiencies.

2.11 MATERIAL DEFICIENCY CARD NUMBER

A unique number assigned to a white deficiency card (Figure 2) [i.e., M-87-001 (material-year-sequential number)].

2.12 NO DISPOSITION REQUIRED

A disposition assigned when it is determined that the identified deficiency will be dispositioned using other administrative controls or that no deficient condition exists

2.13 NOTIFICATION

Notification to appropriate regulatory agencies as described in Procedure 00152-C, "Federal And State Reporting Requirements."

2.14 OBTAIN VALID DOCUMENTATION

A disposition imposed as a result of incorrect or incomplete quality assurance documentation, including existing issued drawings.

2.15 MATERIAL HOLD TAG

A tag used to identify non-conforming materials.

2.16 RADIOLOGICAL DEFICIENCY

A radiological deficiency is an unsatisfactory radiological condition or personnel performance which could lead to increased personnel exposure.

2.17 REJECT

A disposition imposed when the deficient item in present condition is unacceptable for intended use.

2.18 REPAIR

A disposition and the process of restoring a deficient characteristic to a condition such that the capability of the item to function reliably and safely is unimpaired, even though the item still may not conform to the original requirement.

2.19 REWORK

A disposition and the process by which a deficient item is made to conform to a prior specified requirement by completion, re-machining, reassembling, or other corrective means.

2.20 USE-AS-IS

A disposition which may be imposed for a deficiency when it can be established that the deficient item will result in no adverse conditions and that the item under consideration will continue to meet applicable requirements including performance, maintainability, fit, and safety.

2.21 SAFETY-RELATED

2.20.1 Plant structures, systems, and components necessary to assure:

a. The integrity of the reactor coolant pressure boundary,

b. The capability to shut down the reactor and maintain it in a safe shutdown condition, or

c. The capability to prevent or mitigate the consequences of accidents which could result in off-site exposures that exceed the guidelines established in 10CFR 100.

NOTE

Procedure 11850-C, "Safety-Related Equipment Classification" contains the information listed in FSAR Table 3.2.2-1 and FSAR Table 7.5.2-1.

2.21.2 Systems, components, or instrumentation designated as Nuclear Safety Class 0, 1, 2, or 3 or listed in FSAR Table 3.2.2-1; and much of the instrumentation designated Category 1 or 2, as listed in FSAR Table 7.5.2-1.

2.21.3 Although not safety-related, the following augmented quality items are treated as safety-related: Fire Protection systems/components as described in Procedure 92000-C, "Fire Protection Program"; Radwaste systems/components having Project Classification of XX7, where XX are safety class and seismic class, respectively.

3.0 RESPONSIBILITIES

3.1 All plant personnel are responsible for reporting deficiencies.

3.2 PLANT REVIEW BOARD (PRB)

The PRB:

3.2.1 Reviews deficiencies designated as 3B or 3C for concurrence with the reportability determination and for detection of potential hazards to nuclear safety. PRB recommendations regarding corrective actions will be forwarded to appropriate individuals.

3.2.2 Reviews the root cause and corrective actions taken for reportable items. This review is performed as part of the PRB review of reportable items.

3.3 UNIT SHIFT SUPERVISOR (USS)/OPERATIONS

NOTE

The duties assigned to the USS may be performed by the Shift Support Supervisor (SSS) provided the SSS notifies the USS of any DC that requires immediate notification.

The USS:

3.3.1 Evaluates Deficiency Cards for immediate reportability. The Shift Superintendent (SS) will make required notification to regulatory agencies.

3.3.2 Evaluates affect on plant operation and initiates compensatory action as required.

3.3.3 Assigns sequential numbers to Deficiency Cards.

3.3.4 Maintains a number assignment log for Deficiency Cards to include number assigned, date number was assigned, and Deficiency Card topic.

3.4 NUCLEAR SAFETY AND COMPLIANCE SUPERVISOR

The Nuclear Safety and Compliance (NSAC) Supervisor ensures:

3.4.1 Deficiency Card tracking is maintained.

3.4.2 Deficiency Cards are reviewed to determine significance and reportability.

3.4.3 Responsibility for disposition of Deficiency Cards is assigned.

3.4.4 An Event Investigation per Procedure 00057-C, "Event Investigations," is recommended, if appropriate.

3.4.5 Deficiency Cards and corrective actions are tracked to closure.

3.4.6 Deficiency Cards are trended.

3.4.7 Completed Deficiency Cards and applicable documentation are forwarded to Document Control.

3.4.8 A Licensee Event Report or other report is initiated, if required per Procedure 00152-C.

3.4.9 Deficiency Cards which identify a significant condition adverse to quality are designated as either 3B or 3C deficiencies and receive a root cause evaluation, as appropriate.

3.4.10 Conditions identified through trending of Deficiency Cards are reported to the appropriate department for corrective action and to the General Manager and the Supervisor SAER.

3.5 SUPERVISOR MATERIALS

The Supervisor Materials ensures

3.5.1 Material Hold Tags are used to identify material deficiencies in the warehouse.

3.5.2 Sequential numbers are assigned to Material Deficiency Cards.

3.5.3 A log is maintained for Material Deficiency Cards to include number assigned, date number was assigned, and Material Deficiency Card topic.

3.5.4 Material Deficiency Cards are sent to Document Control after closure.

3.5.5 The Materials Engineering Group provides the disposition for material deficiencies including the required corrective actions.

3.5.6 The Supervisor Materials approves material deficiencies dispositioned "use-as-is" or "repair."

3.5.7 The Materials Engineering Group Supervisor approves all other dispositions for material deficiencies.

3.5.8 Material deficiencies are controlled to prevent inadvertent use of the material in the plant.

3.6 DEPARTMENT MANAGERS

Department managers are responsible for:

3.6.1 Dispositioning assigned deficiencies.

3.6.2 Determining if a root cause evaluation is required for assigned deficiencies and assigning individual(s) to perform root cause determinations.

3.6.3 Ensuring appropriateness of identified corrective actions and ensuring implementation thereof.

4.0 INSTRUCTIONS FOR INITIATION OF A DEFICIENCY CARD

4.1 Plant personnel are required to initiate a Deficiency Card (Figure 1) when any of the following conditions occur or are identified, with the exceptions noted in 4.2.

NOTES

a. Both Sections 4.1 and 4.2 should be reviewed when determining if a deficiency card is required.

b. Individuals identifying deficiencies may consult with their supervisor or NSAC for assistance in determining whether the condition requires a Deficiency Card.

c. If in doubt, initiate a Deficiency Card.

4.1.1 Unplanned reactor/turbine trips.

4.1.2 Unplanned Engineered Safety Features (ESF) Actuations.

4.1.3 Declaration of an emergency in accordance with the Emergency Plan.

4.1.4 Events which resulted in or could have easily resulted in personnel injuries of more than minor nature.

4.1.5 Diesel generator failures (i.e., whenever the diesel generator fails to start, whenever the diesel generator is shut down for other than a planned shutdown, or upon discovery of a condition that could lead to a diesel generator failure).

4.1.6 Discovery of discrepancies between design documents and installed equipment that involve safety-related or Technical Specifications required equipment or structures.

4.1.7 Identification of design or manufacturing errors that involve safety-related or Technical Specifications required equipment or structures.

4.1.8 Deficiencies in computer codes/programs classified as basic components.

4.1.9 Significant damage of a major plant component.

4.1.10 Near miss reactor/turbine trips.

4.1.11 Occurrence or discovery of multiple component failures during the same event, such that the ability of a system to perform its intended safety function under accident conditions would be questionable.

4.1.12 Identification of inappropriate personnel actions (e.g. valve, breaker, or switch mispositioning events, improper lubrication, etc.) which resulted in or could have resulted in a loss or degradation of a safety system function, an unplanned power reduction, or damage to plant equipment.

4.1.13 Failures involving different plant components but which may have resulted from a common cause.

4.1.14 Repetitive failures or problems involving the same component or identical components.

4.1.15 Noncompliance with a specification of the VEGP Technical Specifications (e.g. a failure to meet the requirements of an LCO and associated action requirements within the specified time or a failure to complete a Technical Specifications required surveillance within the specified time).

4.1.16 Identification of procedural inadequacies which, if uncorrected, could have reasonably resulted in a failure to met Technical Specifications, LCO requirements, or surveillance requirements.

4.1.17 Conditions which require or may require a non-routine report to federal or state agencies as described by Procedure 00152-C.

4.1.18 Identification of faulty or missing vendor supplied information which resulted in or could have reasonably resulted in failure or damage to safety related or Technical Specifications required equipment or structures.

4.1.19 Failure to meet Technical Specifications Surveillance Test acceptance criteria (i.e., the Surveillance Task Sheet must be marked "UNSAT") or discovery of an inoperable condition or an "as found" value such as instrument drift that is outside allowable Technical Specification values.

4.1.20 Deficiencies involving safety-related components which are to be dispositioned "use-as-is" or "repair."

4.1.21 Other conditions involving safety-related components which require Engineering Support or other technical assistance to determine if the component is deficient.

4.1.22 A violation of procedural requirements (for example: a procedure violation which makes the quality of an item indeterminate, a violation of/deviation from administrative controls which could result in a violation of VEGP Technical Specifications, etc.).

4.1.23 Any radiological deficiency as follows:

4.1.23.1 An individual exceeds an authorized administrative limit as specified in 00920-C, "Radiation Exposure Limits."

4.1.23.2 A known high radiation area is found improperly posted, or a high radiation area having general area dose rates greater than 1000 millirem per hour is found without proper locks or barricades in place.

4.1.23.3 An entry is made to any posted high radiation area without an RWP and/or without proper monitoring as described in 00930-C, "Radiation And Contamination Control."

4.1.23.4 VEGP licensed radioactive material is lost, stolen, or discovered unattended outside of an established RCA or radioactive material storage area.

NOTE

Report requirements for on-site sources licensed to a vendor, radiographer, or other contractor are decided on a case-by-case basis by Manager HP/Chemistry.

4.1.23.5 Radioactive contamination exceeding station limits for uncontrolled release is discovered outside of an RCA.

4.1.23.6 An individual receives an unplanned exposure to airborne radioactivity exceeding 200 DAC-hours in any seven consecutive days.

4.1.23.7 An individual is contaminated and sustains an injury necessitating on-site first-aid actions only.

4.1.23.8 Work is stopped and personnel are evacuated because of an unexpected deterioration of radiological conditions in the immediate work area.

4.1.23.9 An individual's work actions result in repeated radiological deficiencies.

4.1.24 If significant trends develop from deficiencies identified in Section 4.2.1 through 4.2.4 as determined by the applicable department manager, a Deficiency Card should be initiated in accordance with this procedure.

4.1.25 High Energy Line Break (HELB) doors which do not meet design requirements.

4.1.26 Maintenance Preventable Functional Failures as identified by Engineering Support and approved by the Maintenance Manager..

4.2 The following are examples where deficiency cards are NOT required:

4.2.1 For isolated or random equipment malfunctions or failures requiring "Maintenance," Procedure 00350-C, "Work Request Program" and appropriate Outage and Planning Department procedures are to be used to document, perform, and trend corrective maintenance actions and to assess operability and reportability.

NOTE

In general, failure or conditions involving plant equipment or structures would not require initiation of a Deficiency Card, unless the failure or condition could impact operation of safety related equipment or structures, could effect plant reliability or availability, or could represent one or more of the conditions identified in Section 4.1.

4.2.2 For Security-related deficiencies, other than events requiring a 30-day written report (Licensee Event Report), Security Department procedures are to be used to document and trend security deficiencies and their resolution.

4.2.3 For fire protection related deficiencies, other than those requiring a 30 day written report (Licensee Event Report), the appropriate Fire Protection procedure is to be used to document and trend fire protection deficiencies and resolution.

4.2.4 Administrative deficiencies that are documented and resolved through departmental processes, do not require Deficiency Cards, as defined by this procedure. The departmental process should trend the deficiencies if appropriate, and take corrective action.

4.3 COMPLETION AND PROCESSING OF DEFICIENCY CARDS

The individual identifying the deficiency should complete Block 1 of the Deficiency Card and deliver the Deficiency Card to the Unit Shift Supervisor (USS).

NOTE

Completion of the Deficiency Card and submittal to the Control Room should be completed within 1 hour after determining that a deficiency exists. Do not use the mail to forward Deficiency Cards to the Unit Shift Supervisor.

4.4 The originator should include sufficient information to clearly identify the deficient condition and the components MPL tag number when identifiable from name plate data. If available, include the item serial number on the MPL tag number line. Additional sheets should be attached, if needed.

4.5 The USS may require the initiator to provide additional information for any DC that does not contain sufficient information to evaluate the deficiency.

4.6 After receiving the Deficiency Card the Unit Shift Supervisor will assign the card a Deficiency Card Number. This number will be of the form N-YY-XXXX where N is the applicable unit, YY is the last two digits of the current year and XXXX is a sequential number beginning with 0001 for each new year.

4.7 The USS will review the Deficiency Card to determine if compensatory action is required to maintain safe plant conditions. This review should include consideration for placement of Clearance and/or Caution tags. The Unit Shift Supervisor should request technical assistance from applicable plant technical staff to assist in evaluating specific components that may be deficient and the effect that equipment has on plant operations. (These items include, but are not limited to containment isolation valves and snubbers.)

4.8 The USS will review the Deficiency Card to determine the need for immediate reporting in accordance with Procedure 00152-C. If technical assistance is needed to determine reportability, assistance should be requested from appropriate plant staff.

NOTES

a. All Immediate Corrective Actions taken by the Unit Shift Supervisor should be noted on the Deficiency Card. This includes work initiated per Procedure 00350-C and Limiting Conditions for Operation (LCO) initiated per Procedure 10008-C, "Recording Limiting Conditions for Operation."

b. The Unit Shift Supervisor review should be completed within 2 hours after submittal.

4.9 After completing the reviews required in Steps 4.7 and 4.8 the USS should complete Block 2 on the Deficiency Card and forward the Deficiency Card to the NSAC Section.

4.10 The NSAC Section will process the Deficiency Card in accordance with Procedure 80014-C, "Handling Of Deficiency Cards."

4.11 The NSAC Section will review each Deficiency Card for reportability in accordance with Procedure 00152-C. The NSAC review is independent of the USS review. The NSAC Section will consult with HP on evaluation of radiological deficiencies.

4.12 3A DISPOSITION PROCESSING

If the NSAC Section's review determines that the deficient condition does not require a disposition (i.e. the item may be processed using a different control program, such as 00350-C, "Work Request Program"; 90018-C, "Incident Report Review"; or 92040-C, "Fire Protection LCO Program") the NSAC reviewer will perform the following:

4.12.1 Check Block 3A of the Deficiency Card and provide an explanation of why a disposition is not required.

4.12.2 Sign and date the Reviewer section of Block 3 on the Deficiency Card.

4.12.3 Denote the responsible department based on the item identified

4.12.4 "N/A" Blocks 4 - 9 of the Deficiency Card and forward the DC to the NSAC Supervisor for concurrence and signature in Block 3.

4.12.5 Forward a copy of the Deficiency Card to the appropriate Department Manager for any further action, as appropriate.

4.12.6 Close and forward the original Deficiency Card to Document Control for storage as a permanent record in accordance with 00100-C, "Quality Assurance Records Administration."

4.13 3B DISPOSITION PROCESSING

If the NSAC Section's review determines the identified deficiency is reportable per Procedure 00152-C, the NSAC reviewer will perform the following:

4.13.1 Check Block 3B of the Deficiency Card and provide an explanation of why it is reportable.

4.13.2 Denote the LER number or other special report number in Block 3B, if applicable.

4.13.3 Denote the responsible department for dispositioning the deficiency. Sign and date the Reviewer section of Block 3 on the Deficiency Card.

4.13.4 Forward the DC to the NSAC Supervisor for concurrence and signature in Block 3.

4.13.5 Forward a copy of the DC to the PRB for concurrence with the reportability determination and for review of potential hazards to nuclear safety.

4.13.6 For reportable DCs requiring an LER or Special Report, the NSAC Section will normally be the responsible department and will process the DC in accordance with Sections 4.13.7 through 4.13.9. For other DCs, forward original DC to the responsible department for dispositioning in accordance with Section 4.14.3.

4.13.7 If an investigation is in process or has been completed per Procedure 00057-C or Procedure 81030-C, "Preparation And Processing Of Draft Licensee Event Reports And Special Reports" then reference the report number in Block 3B and complete Blocks 4 - 9 as appropriate.

4.13.8 Close and forward the original Deficiency Card to Document Control for storage as a permanent record in accordance with 00100-C.

4.13.9 The NSAC Section will enter completed corrective actions that require tracking and corrective actions awaiting implementation and/or require long term tracking in the Open Item/Commitment Tracking system in accordance with Procedure 00409-C, "Open Item/Commitment Tracking."

4.14 3C DISPOSITION PROCESSING

If the NSAC review determines the identified deficiency is not reportable per Procedure 00152-C, the DC will be processed as follows:

4.14.1 The NSAC reviewer will check Block 3C, include an explanation as to why the DC is not reportable, assign a responsible department to disposition the Deficiency Card and sign and date Block 3. Forward the DC to the NSAC Supervisor for concurrence and signature in Block 3.

4.14.2 Forward the original DC to the responsible department and a copy to the Plant Review Board for their concurrence with the reportability determination and review of potential hazards to nuclear safety.

4.14.3 The responsible department assigned the DC will normally perform the following within 30 days. If the required actions can not be completed within a reasonable time frame (by the 35th day) an extension should be requested from the Assistant General Manager.

4.14.3.1 If in dispositioning or performing a root cause evaluation for a DC, the evaluator becomes aware of a condition that could effect the safe operation of the plant, and such condition (or its significance) was not adequately identified by the original DC, then another DC should be initiated immediately to ensure proper compensatory action is taken.

4.14.3.2 Complete Block 4, the "Disposition" section, of the DC with an appropriate disposition. Examples of dispositions include: Use-As-Is, Repair, Rework, Reject, Obtain Valid Documentation, Hardware Not Affected, or No Disposition Required. Refer to Section 2.0 for definition of these dispositions.

NOTE

If the department performing the disposition is not the department causing the deficiency, the deficiency card will be returned to the NSAC Section. NSAC will send the deficiency card to the causing department for RCCA evaluation.

4.14.3.3 Screen the DC in accordance with the guidance provided in Attachment 1 and indicate the determination in Block 5. If an RCCA is required, complete the RCCA in accordance with Procedure 00058-C, "Root Cause Determination," then return to 4.14.3.4. If an RCCA is not required, perform the following:

a. If an evaluation has been completed per Procedure 00057-C, then reference the Event Report number in the disposition section.

b. Determine the cause(s) of the deficient condition, if known, and enter the determination in Block 6.

c. Determine the actions to be taken to prevent recurrence if applicable, and enter in Block 7.

4.14.3.4 Enter the cause code and causing department in Block 8.

NOTE

If an RCCA is not performed, determine the cause code using the listing in Procedure 00058-C.

4.14.3.5 Ensure corrective actions assigned to another department have the receiving department's concurrence in Block 7. (Corrective actions are tracked against the department assigned to complete the action.)

4.14.3.6 Return the dispositioned DC and the completed RCCA worksheet(s), if applicable, to NSAC for tracking. The NSAC Section will enter the Event Type Code when required.

4.14.4 The NSAC Section will review Blocks 4-9 for concurrence that an adequate investigation of the DC was performed and that corrective actions are appropriate. Concurrence will be indicated by initialing in the appropriate space in Block 9. If the investigation or corrective actions appear to be inadequate, the DC may be returned to the responsible department for further action.

4.14.5 The NSAC Section will enter completed corrective actions that require tracking in the Open Item/Commitment Tracking system in accordance with Procedure 00409-C. Corrective actions awaiting implementation and corrective actions that require long term tracking will also be entered.

4.14.6 The NSAC Section will update computer data base to reflect final dispositioning and close out the DC and forward the original and any supporting documentation to Document Control for storage as a permanent record in accordance with 00100-C, "Quality Assurance Records Administration."

4.14.7 The NSAC Section will provide management with a periodic status of open DCs.

5.0 MATERIAL DEFICIENCY CARD INITIATION

5.1 When material deficiencies are identified, the individual will initiate a Material Deficiency Card (Figure 2). The individual identifying the material deficiency should complete Blocks 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, and 14 and forward the Material Deficiency Card to Materials Engineering.

5.2 Materials Engineering personnel will assign the card a Material Deficiency Card Number. This number will be of the form M-YY-XXXX where M denotes Material Deficiency, YY is the last two digits of the current year and XXXX is a sequential number beginning with 0001 for each new year.

5.3 After receiving a Material Deficiency Card, the Materials Engineering Group (MEG) will ensure Hold Tags are attached to the deficient material/components identified and complete Block 15 of the Material Deficiency Card.

5.4 MEG ensures the deficient material/components are uniquely tagged or segregated from acceptable material to prevent inadvertent use in the plant.

5.5 MEG will forward a copy of the Material Deficiency Card (Material DC) to the NSAC Section for initial reportability screening.

5.6 MEG will disposition the Material DC. The disposition will identify corrective actions and implementing documents for completion of corrective action (i.e., WO numbers, RERs, etc.). Dispositioning of Material deficiencies should normally occur within 30 days and will be in accordance with Procedure 70546-C, "Evaluation And Disposition Of Material Deficiency Cards."

5.7 The MEG Supervisor will approve all material dispositions except those dispositioned "use-as-is" or "repair." "Use-as-is" or "repair" dispositions require approval by the Supervisor Materials.

5.8 MEG will forward the dispositioned Material DC to NSAC. Corrective actions, including removal of hold tags and release of materials, may be performed concurrently with the NSAC Section review.

5.9 The NSAC reviewer will determine if the material deficiency is reportable in accordance with Procedure 00152-C. If reportable, NSAC will prepare the required report.

5.10 Material Deficiencies determined reportable will be evaluated by MEG in accordance with 00058-C. Completed Root Cause Determination worksheets will be attached to the Material Deficiency Card. A copy of the root cause determination will be sent to NSAC for trending purposes. An RCCA may be performed on other material deficiencies if deemed necessary by the MEG Supervisor.

5.11 The MEG will be responsible for the assignment and completion of Material DC corrective actions. These may be assigned to other departments with their concurrence.

5.12 MEG shall close Material DCs after receiving or obtaining evidence of corrective actions.

5.13 Hold tags will be removed from Material DC items upon completion of corrective actions OR when hold tag removal is necessitated to facilitate the completion of corrective actions.

NOTE

Hold tags will be removed prior to shipment of material off-site.

5.14 For Material DCs dispositioned "use-as-is" or "repair," a copy of the Material DC and associated paperwork are to be made part of the Quality Assurance documentation associated with the item.

5.15 Material DCs will be forwarded to Document Control upon closure for storage as a permanent record in accordance with 00100-C.

NOTE

Use of conditionally released materials will be in accordance with Procedure 00853-C, "Material Identification, Control And Issue."

6.0 DUPLICATE DEFICIENCY CARDS

When a deficiency card is found to be a duplicate of a previously identified deficiency, the deficiency card will be stamped or marked "DUPLICATE" referencing the DC number it duplicated, and closed out by NSAC. NSAC will forward the "duplicate" DC to Document Control for storage.

7.0 **TRENDING**

7.1 All DCs dispositioned 3B and 3C should be trended to identify recurring deficiencies which might indicate procedural or programmatic breakdowns that could adversely affect the quality of the plant and associated equipment. A trend is identified when a repetitive occurrence or a sustained increasing frequency of occurrence is observed and is not explainable as an occasional or isolated procedural or programmatic inadequacy.

7.2 A quarterly trend report should be prepared by NSAC and distributed to department managers and the General Manager-Nuclear Plant. A copy of the trend report will also be forwarded to the Supervisor Safety Audit Engineering Review.

7.3 If requested, department managers should provide a response and take appropriate corrective actions as necessary for trends identified within their departments area of responsibility.

7.4 Material DCs requiring a root cause determination (reportable Material DCs) will be trended and included in the trend report issued by the NSAC Section as appropriate.

8.0 **RECORDS**

Deficiency Cards and supporting documentation shall be handled and maintained in accordance with Procedure 00100-C.

9.0 **REFERENCES**

9.1 ANSI N18.7 - 1976

9.2 ANSI N45.2 - 1977

9.3 Title 10CFR50 Appendix B, Criteria XV and XVI

9.4 Title 10CFR50.59, Changes, Tests & Experiments

9.5 Title 10CFR21, Reporting of Defects and Noncompliances

9.6 Title 10CFR50.72, Immediate Notification Requirements for Operating Nuclear Power Reactors

9.7 Title 10CFR50.73, License Event Report System

9.8 Title 10CFR50.45 (X), Conditions of Licenses

9.9 Title 10CFR50.55 (e)

9.10 Regulatory Guide 1.33, Quality Assurance Program Requirements

9.11 Regulatory Guide 1.38, Quality Assurance Requirements Packing, Shipping, Receiving, Storage, and Handling of Items for Water-Cooled Nuclear Power Plants.

9.12 Regulatory Guide 1.123, Quality Assurance Requirements for Control of Procurement of Items and Services for Nuclear Power Plants.

9.13 PROCEDURES

9.13.1	00057-C,	"Event Investigations"
9.13.2	00058-C,	"Root Cause Determination"
9.13.3	00100-C,	"Quality Assurance Records Administration"
9.13.4	00152-C,	"Federal And State Reporting Requirements"
9.13.5	00350-C,	"Work Request Program"
9.13.6	00400-C,	"Plant Design Control"
9.13.7	00409-C,	"Open Item/Commitment Tracking"
9.13.8	00853-C,	"Material Identification, Control, And Issue"
9.13.9	00920-C,	"Radiation Exposure Limits"
9.13.10	00930-C,	"Radiation And Contamination Control"
9.13.11	10008-C,	"Recording Limiting Conditions For Operation"
9.13.12	50011-C,	"Engineering Evaluation And Disposition Of Deficiency Reports"
9.13.13	70546-C,	"Evaluation And Disposition Of Material Deficiency Cards"
9.13.14	80014-C,	"Handling Of Deficiency Cards"
9.13.15	81030-C,	"Preparation And Processing Of Draft Licensee Event Reports And Special Reports"
9.13.16	90018-C,	"Incident Report Review"
9.13.17	92040-C,	"Fire Protection LCO Program"

END OF PROCEDURE TEXT

Deficiency Card

Completed By Initiator

Card # ☐ Unit 1 ☐ Unit 2 ☐ Common

1: Description of Deficiency (Additional Sheets Attached? ☐Yes ☐No)

MPL Tag Number | Serial No.

Location Of Deficiency?

What Is Affected By The Deficiency?/What Controls Were Violated?

How Was The Deficiency Discovered?

Event Time | Date | Discovery Time | Date

Discovered By? | Work # | Dept.

Completed By USS Within 2 Hours

2. Shift Supervisor Review
Name Of USS Reported To? | Time | Date

Plant Mode/Condition:

Is Immediate Notification Required? ☐ Yes ☐ No

If Yes, ☐ 1 Hour, ☐ 4 Hour, or ☐ 24 Hour Reported: Date Time

Tech. Spec. Required Action Taken? ☐ Yes ☐ No ☐ N/A

List Applicable Tech. Spec. Section(s)

Summarize Compensatory Action Taken:

LCO Initiated ☐ Yes ☐ No # Type: Info LCO Fire

WO Initiated ☐ Yes ☐ No #

Signature Of USS | Date | Time

Completed in 1 Day

3: NSAC Evaluation/Review (Check Appropriate Box) Date Received:

A. ☐ No Disposition Required. Send Copy To Responsible Dept., Close Original

B. ☐ Reportable Deficiency. Report #

C. ☐ Deficiency, Not Reportable.

Explanation:

Responsible Dept.:

NSAC Reviewer: Date: NSAC Supervisor: Date:

Figure 1 Front (Tan)
Example

Completed In 1 Month By Responsible Department

4. Disposition:

5. RCCA Required: ☐ Yes (Complete per 00058-C) ☐ No (Complete 6 & 7 below)

6. Cause(s), If known:

7. Action to Prevent Recurrence, if applicable:

Concurrence for Corrective Actions Assigned to Another Dept.:

8. Cause Code(s): Cause Dept(s):

Department Manager: Date:

9. Event Code(s): NSAC Initials:

Figure 1 Back (Tan) (Cont'd.)
Example

MATERIAL DEFICIENCY CARD

1. MATERIAL DC NO. M-_____
2. P.O. NO._____ 3. P.O.ITEM NO._____
4. NO. OF ITEMS_____ 5. M.I.R. NO._____
6. PROCUREMENT LEVEL_____ 7. SAFETY CLASS_____
8. ITEM DESCRIPTION_____
   _____
9. ITEM LOCATION_____
10. VENDOR/SUPPLIER_____LOCATION_____
11. DEFICIENCY_____
    _____
    _____
    _____
12. CAUSE (IF KNOWN)_____
13. OTHER INFORMATION_____
14. ORIGINATOR (PRINT)_____ DATE_____
15. MATERIAL HOLD TAG (QTY)_____RECEIPT INSPECTOR_____
16. DISPOSITION:_____
    _____
    _____
    _____
17. APPROVAL:
    USE-AS-IS/REPAIR(SUPV MATERIALS)_____ _____DATE_____
    OTHER(MEG SUPV)_____DATE_____
18. REPORT REQ'D:YES_____ NO_____ #_____
19. NSAC SECTION REVIEW BY:_____DATE_____
20. CLOSURE:_____DATE_____

Figure 2 (White)
(Example)

ATTACHMENT 1

GUIDELINES TO DETERMINE IF AN RCCA IS REQUIRED

The following are examples of events which require an RCCA to be completed.

- Events which require an investigation per Procedure 00057-C, "Event Investigations."
- Unplanned Turbine Trips.
- Diesel Generator valid failures.
- Discovery of significant damage of a major plant component (i.e. damage that requires or could have required a forced plant shutdown or a forced power reduction).
- Occurrence or discovery of multiple component failures during the same event such that the ability of a system to perform its intended safety function under accident conditions would be questionable.
- Identification of a failure to meet Technical Specifications LCO requirements, including not completing LCO required actions within the specified time.
- Missed Technical Specifications surveillance.
- Any event which results in a personnel injury of more than a minor nature.
- An individual exceeds an authorized administrative limit as specified in Procedure 00920-C, "Radiation Exposure Limits And Administrative Guidelines" (does not exceed 10CFR20 exposure limits).
- A known high radiation area or very high radiation area is found improperly posted, or a high radiation area having general area dose rates greater than 1000 millirem per hour is found without proper locks or barricades in place, or a very high radiation area having general area dose rates greater than 500 rad/hour at 1 meter is found without proper locks or barricades in place.
- An entry is made to any posted high radiation area without an RWP.
- Discovery of lost, stolen, or unattended radioactive material outside of an established RCA or a radioactive material storage area (less severe than an event which would require reporting per 10CFR20).
- Maintenance Rule systems that become an (a)1 category system, as defined in 10CFR50.65.
- Any Maintenance Preventable Functional Failure (MPFF).

- Identification of procedural inadequacies which, if uncorrected, could have reasonably resulted in a failure to meet Technical Specifications LCO requirements or surveillance requirements.

- Failure to meet Technical Specification Surveillance Test acceptance criteria or discovery of an inoperable condition or an "as found" value such as instrument drift that is outside allowable Technical Specification value(s).

- Identification of a failure to meet Fire Protection LCO requirements.

- Violation of procedural requirements (for example; violation of/deviation from administrative controls which could result in a violation of VEGP Technical Specifications, etc.).

- Violation of procedural or programmatic requirements pertaining to personnel safety such as violations of RWP requirements, clearance and tagging requirements, or confined space work permit requirements.

- Discovery of a significant discrepancy between design documents and installed equipment.

- Identification of a significant design or manufacturing error.

- Significant deficiencies in computer codes/programs classified as basic components.

NOTE

Events which do not meet any of the above examples do not require a root cause determination unless deemed necessary by Department Management.

PERFORMANCE TEAM ORGANIZATION

sat. & Sun. 7am - 7 pm
ues. & Wed. 4pm - 12 am

Ken Holmes
3550/303
Performance
Team Manager

Ann Davis
3409/122
Sr. Secretary

Rick Odom
3201/022
Assistant Performance
Team Manager

Lester Norwood
3470/234
Turbine Building
Team Leader

Technical Staff
R. T. Baker 4126/039
B. Blount 4267/020
J. C. Cullum 4172/072
C. J. Lewis 3507/242
L. Richardson 3498/229
1 PEO

Subteam A
J. E. Lavender "A"
R. I. Barefield (M)
H. E. Baker (E)
J. Burroughs (T)
M. A. Frazier (E)
J. R. Keen (M)
2 Utilitymen

Subteam B
J. L. Fry "D"
G. L. Barwick (M)
R. Bowyer (T)
A. N. Heath (E)
L. Stenbewicz (E)
J. C. Tuggle (M)
2 Utilitymen
1 Chem Tech

Subteam C
J. Sutphin "C"
G. J. Cosbrey (M)
K. R. Hicks (E)
D. Morris (T)
R. G. Pendergraft (M)
T. D. Rayburn (M)
2 Utilitymen

Mike Duncan
3556/280
Electrical Systems
Team Leader

Technical Staff
J. E. Beasley 3489/017
G. Brandt 3718/136
T. G. Godfrey 3495/384
J. K. Loyd 3544/129
1 PEO

Subteam A
M. O. Bennett "B"
R. M. Bragg (M)
C. D. Cooper (E)
J. D. Davis (T)
C. D. Dickey
R. E. Hill (M) *
T. M. Machek (E)
J. L. Sentrey (E)
R. W. Weathersbee (E)

Subteam B
C. J. Lowery "C"
C. R. Baker (E)
J. W. Brooks (E)
D. B. Elrod (E)
D. Fuller (T)
G. K. Heath (E)
R. I. Wolfe

William Copeland
3250/011
Functional Maint
Team Leader

Technical Staff
R. D. Anderson 3478
A. A. Simonson 3349
J. Trudolle 4144/080

Subteam A
S. C. Hart "D"
M. R. Atkinson (FT)
J. Brownlee (E)
L. Conner (M)
J. H. Hanyok (E)
J. Heath (E)
G. Kickfighter (AM)
J. Kwolek (FT)
D. Lollar (MI)
M. E. Perkins (FT)
E. L. Pickett
R. E. Reece (FT)
H. G. Williams (FT)

Subteam B
J. M. Garrison "C"
D. Gallagher (M)
R. L. Joyce
D. Leonard (M)
S. G. Meggs (M)
M. Spicer (M)
J. E. Thompson (M)
C. Walker (M)

Subteam C
R. M. Rowell "D"
R. Archer (M)
K. Forehand (M)
R. Forehand (M)
R. King (M)
B. Long (M)
R. Pate (M)

Subteam D
F. M. Zeagler
M. Campbell (TD) M-Th
J. Chandler (TRK) "A"
D. A. Doss (TRK) "D"
J. Driggers (TRK) "5"
J. H. Mooney (TRK) "1"
L. V. Patrick (TRK) "3"
R. D. Phillips (TRK) "B"
W. L. Webb (TRK) "C"
A. Wheeler (TD) T-F
C. L. Wilson (TRK) "4"
W. R. Wood (TRK) "2"

Subteam E
P. R. Hudson "A"
B. Bell (C)
J. Faires (E)
T. W. Freeman (PW)
D. A. Holt (Eng.)
R. T. Jackson (M)
J. D. Logue (Eng.)
T. L. Martin (M)
J. E. Rhodes (E)
R. H. Robinson (NS)
R. G. Shepherd (PW)

Dusty Adams
3445/069
Outside Areas
Team Leader

Technical Staff
J. C. Harvey 4195/104
G. F. Lane 3878/048
M. P. Silva 3877/274
J. Wesley 3194/115
W. Whitfield 3876/272
1 PEO

Subteam A
M. G. Burchett "D"
J. W. Burgess (M)
J. V. Moore (M)
R. Sneeder (T)
D. W. Wolfe (E)
1 Chem Tech
1 Utilityman

Subteam B
M. S. Eidson "A"
A. A. Allen (M)
W. C. Patton (M)
D. Thames (T)
2 Utilitymen
1 Chem Tech

Subteam C
R. C. Howard "D"
H. Davis (M)
C. D. McKinney (M)
P. M. Edwards (M)
J. B. Holcomb (M)
D. E. Hutchins (E)
J. V. Harrell (E)
M. Wilkins (T)
2 Utilitymen

Rick Vaught
3466/275
NSSS
Team Leader

Technical Staff
H. B. Ansley 3490/269
M. E. Chance 3189/413
T. D. Coody 4346
J. A. Davis 4155/276
J. W. Faulkner 3714/083
B. E. Hardey 4202
C. J. Palmer 3280
M. B. Skinner 3282
1 PEO

Subteam A
R. S. Hammond "D"
G. Alford (E)
M. Atmon (AE)
J. Atchley (M)
W. B. Holcomb (M)
B. Howland (T)
G. Hutcherson (AM)
K. L. King (M)
P. Knox (T)
1 HP Tech
1 Chem Tech

Subteam B
M. W. Godfrey "B"
E. Glover (M)
J. McBride (M)
J. Withrow (M)
J. Parker (M)
B. Mercer (E)
W. Helwig (*)
B. Neal (T)
1 HP Tech
1 Chem Tech

Subteam C
E. L. Kellum "A"
S. Parker (E)
K. Rogers (E)
S. Daniel (AE)
S. Saylors (M)
D. L. Janow (M)
M. Guidry (T)
C. Woods (T)
1 HP Tech

Subteam D
G. D. Webb 4-10's
L. A. Rouse 4-10's
J. D. Bailey "A"
J. C. Beard "B"
C. T. Childers "D"
M. A. Clark "D"
E. A. Dorigan (Tony) "B"
J. A. Gladin "B"
K. H. Gonya "D"
C. H. Johnson "A"
T. K. Jones "D"
R. W. Martin "D"
K. E. McCumbers "D"
S. C. Mullings "B"
M. C. Pearce "A"
C. L. Rabun "A"
J. M. Segrest "A"
R. A. Smith "A"
G. F. Wood "B"
C. P. Wooten "B"

Cliff Miller
3174/136
I & C Systems
Team Leader

Technical Staff
L. C. Smith 3633/131
M. Seymour 3484/279
T. Williams 4313/348
D. Wallace 4304/286
T. L. Wills 3753/085
M. H. Goldman 3820
A. V. Fowler 3456/093
T. Neal 3158/421
T. G. Lamb 4305/245
L. P. Noblett 4306/003

Subteam A
A. A. Prestifilippo
5-8's
T. Palmer (T)
G. Goodwin (T)
D. Bianchi-Rossi (T)

Subteam B
M. L. Dent 4-10's
B. Whaley (T)
J. Godbee (T)
R. James (T)
T. Sherrod (T)
A. Glover (T)
D. Davis (T)
R. Kirchner (T)

Subteam C
J. M. Wimburn
4-10's
M. Grandy (T)
N. Clayborn (T)
M. McGrath (T)
V. McCann (T)
J. Strouse (T)
O. Aguinde (T)
R. Conti (T)

Subteam D
T. W. Cook 4-10's
W. Savigny (T)
A. Boerner (T)
C. Rosebrock (T)
D. Palmer (T)
R. Reynolds (T)

Charles Coursey
3465/282
Shift Team Leader
(Dayshift function)

R. B. Rose 4204
P. A. Burke 3465
M. R. Heidt 3430
F. H. Jackson 3146
B. Kitchens 3227

Crew Makeup Per Shift
R. A. Hargrove "1"
R. F. Morris (M)
D. W. Favors (M)
D. M. Giles (M)
G. L. Edwards (M)
R. C. Dixon (E)
J. L. Griggs (E)
L. M. Chalker (E)
R. M. Holliday (E)
M. Durand (T)
L. Wilder (T)
J. Tucker (T)

A. A. Jones "2"
B. O. Weaver (M)
J. M. Flanders (M)
W. M. Eubanks (M)
T. B. Harton (M)
K. W. Bullins (E)
R. H. Davis (E)
W. H. Hooks (E)
D. Ferraro (T)
D. Whitton (T)
M. Calhoun (T)

F. B. Fields "3"
J. W. Avrat (M)
B. J. Hodges (M)
J. D. Shields (M)
J. P. Stone (M)
R. B. Saunders (E)
M. E. Seamonds (E)
D. L. Boykin (E)
T. Prestifilippo (T)
L. Winter (T)
A. Johnson (T)

W. K. Hodnett "4"
T. L. Shitz (M)
R. G. Heath (M)
F. H. Engle (M)
D. W. Townsend (E)
D. A. Daisley (E)
R. B. Fleet (E)
R. W. Ling (E)
B. Garrett (T)
G. Reaves (T)
B. Barry (T)

T. L. Hunt "5"
H. M. Smith (M)
T. B. Curci (M)
R. D. Thompson (M)
R. E. Weaver (M)
W. F. Eason (E)
J. M. Kitchens (E)
J. P. Ford (E)
E. Skelley (T)
K. Gilchrist (T)
M. Dalis (T)

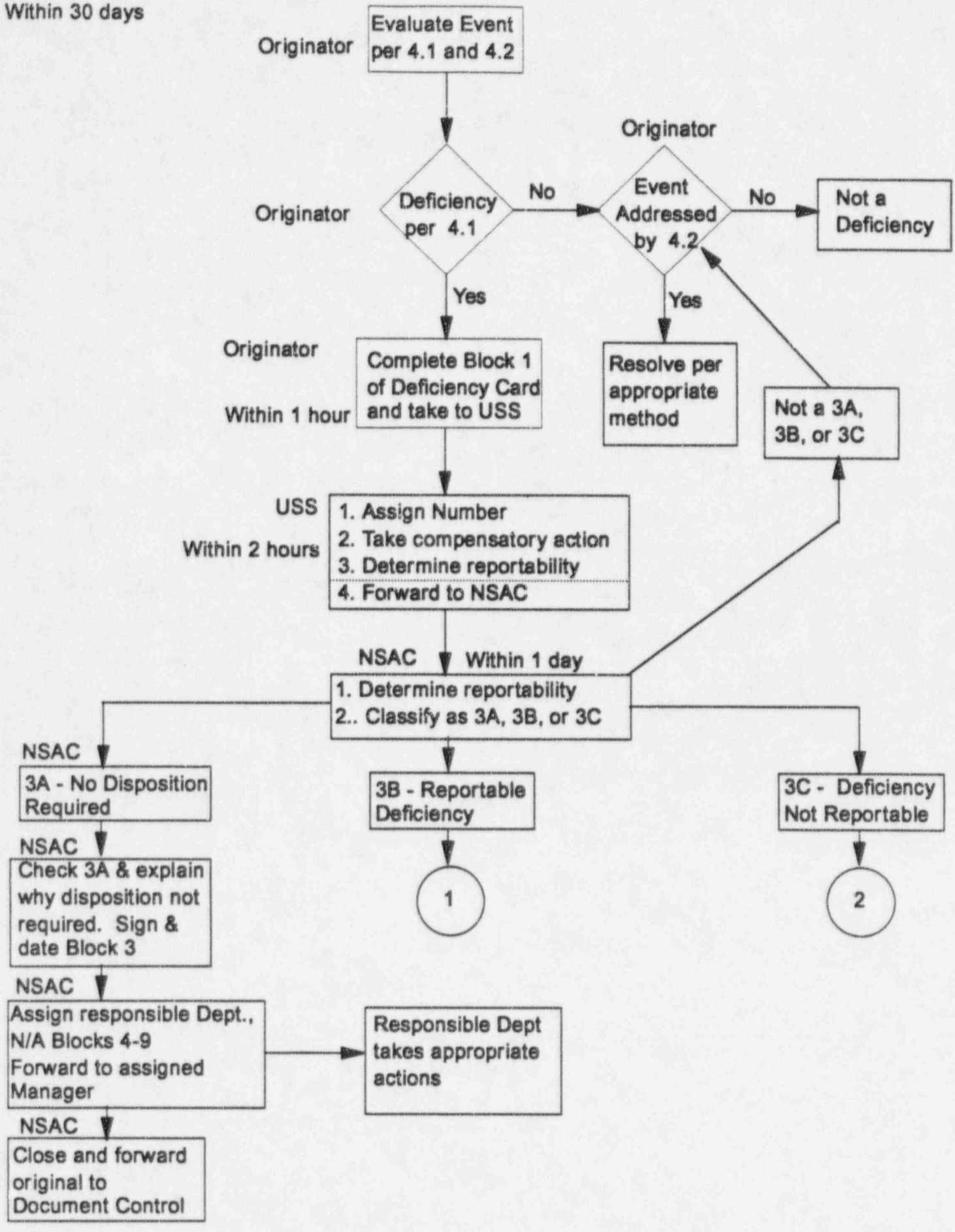
A. S. Boutwell "R"
(HP/Chem Support
From Core Groups)

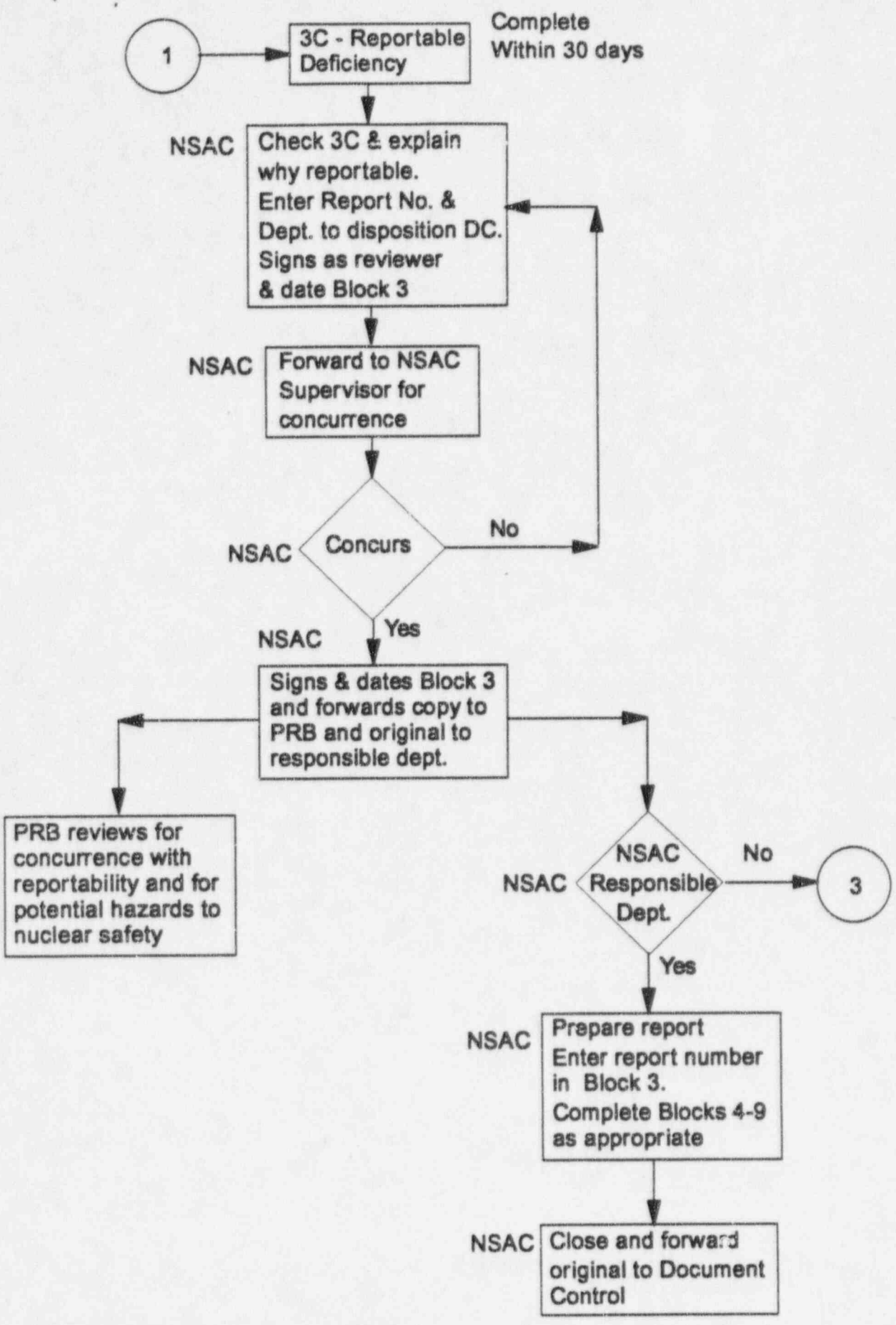
Operations Supervision

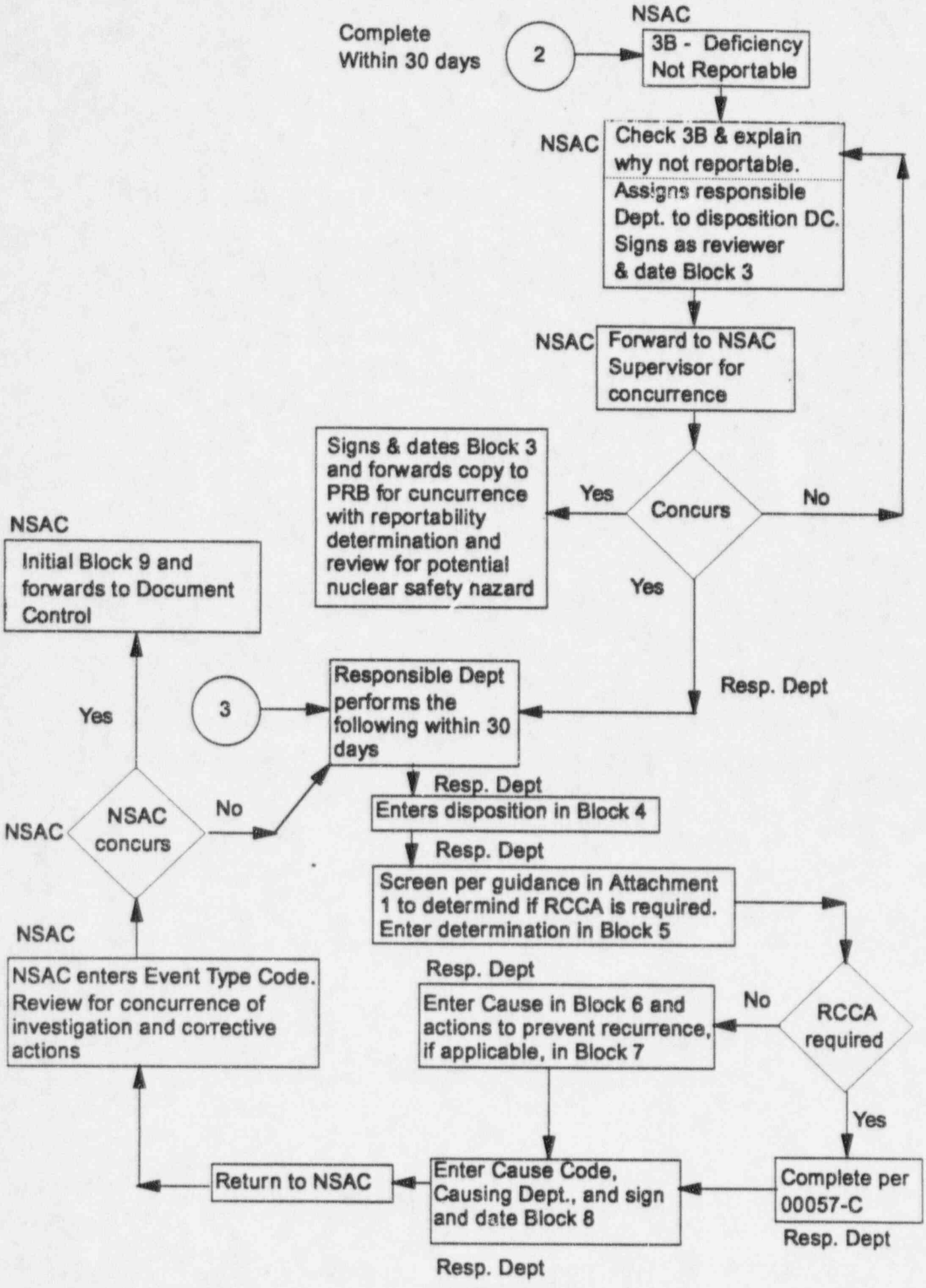
Operations Shift Crews

Team	Team Leader
Manager & Asst.	K. R. Holmes & R. M. Odom
Turbine Building	L. Norwood
Electrical Systems	M. D. Duncan
Functional Maint.	W. G. Copeland
Outside Areas	D. E. Adams
NSSS	H. R. Vaught
I&C Systems	C. C. Miller
Shift	C. L. Coursey

REV. 11/21/95


Complete
Within 30 days
Originator
Evaluate Event per 4.1 and 4.2
Originator
Deficiency per 4.1
No
Originator
Event Addressed by 4.2
No
Not a Deficiency
Yes
Yes
Originator
Within 1 hour
Complete Block 1 of Deficiency Card and take to USS
Resolve per appropriate method
Not a 3A, 3B, or 3C
USS
Within 2 hours
1. Assign Number
2. Take compensatory action
3. Determine reportability
4. Forward to NSAC
NSAC
Within 1 day
1. Determine reportability
2.. Classify as 3A, 3B, or 3C
NSAC
3A - No Disposition Required
3B - Reportable Deficiency
3C - Deficiency Not Reportable
NSAC
Check 3A & explain why disposition not required. Sign & date Block 3
1
2
NSAC
Assign responsible Dept., N/A Blocks 4-9
Forward to assigned Manager
Responsible Dept takes appropriate actions
NSAC
Close and forward original to Document Control


1
3C - Reportable Deficiency
Complete Within 30 days
NSAC
Check 3C & explain why reportable. Enter Report No. & Dept. to disposition DC. Signs as reviewer & date Block 3
NSAC
Forward to NSAC Supervisor for concurrence
NSAC
Concurs
No
NSAC
Yes
Signs & dates Block 3 and forwards copy to PRB and original to responsible dept.
PRB reviews for concurrence with reportability and for potential hazards to nuclear safety
NSAC
NSAC Responsible Dept.
No
3
Yes
NSAC
Prepare report Enter report number in Block 3. Complete Blocks 4-9 as appropriate
NSAC
Close and forward original to Document Control


NSAC
Complete Within 30 days
2
3B - Deficiency Not Reportable
NSAC
Check 3B & explain why not reportable.
Assigns responsible Dept. to disposition DC. Signs as reviewer & date Block 3
NSAC
Forward to NSAC Supervisor for concurrence
Concurs
Yes
No
Signs & dates Block 3 and forwards copy to PRB for cuncurrence with reportability determination and review for potential nuclear safety nazard
Yes
Resp. Dept
NSAC
Initial Block 9 and forwards to Document Control
Yes
3
Responsible Dept performs the following within 30 days
Resp. Dept
Enters disposition in Block 4
NSAC
NSAC concurs
No
Resp. Dept
Screen per guidance in Attachment 1 to determind if RCCA is required. Enter determination in Block 5
NSAC
NSAC enters Event Type Code. Review for concurrence of investigation and corrective actions
Resp. Dept
Enter Cause in Block 6 and actions to prevent recurrence, if applicable, in Block 7
No
RCCA required
Yes
Return to NSAC
Enter Cause Code, Causing Dept., and sign and date Block 8
Resp. Dept
Complete per 00057-C
Resp. Dept

(Management Standard No. 5)

STANDARD FOR DETERMINATION OF OPERABILITY

(APROVED 5/20/92)

STANDARD FOR DETERMINATION OF OPERABILITY

- GENERAL

OPERABILITY is a condition of compliance with the Technical Specifications. It is initially achieved through an exhaustive construction and testing program, and maintained by successful and timely completion of surveillance requirements. The achieved state of operability is protected and ensured by our work and configuration control programs and deficient condition evaluations.

OPERABILITY applies only to the specific equipment covered by the Technical Specifications. (Equipment not included in the Technical Specifications should be called "functional" or "not functional" to avoid confusion).

- DEFINITION

A system, subsystem, train, component or device shall be OPERABLE or have OPERABILITY when it is capable of performing its specified function(s), and when all necessary attendant instrumentation, controls, electrical power, cooling or seal water, lubrication or other auxiliary equipment that are required for the system, subsystem, train component, or device to perform its function(s) are also capable of performing their related support function(s).

- RESPONSIBILITY

The determination of OPERABILITY is the responsibility of the Operations Department. The other plant groups are responsible to observe conditions, report specific problems, and support operations in making a determination of equipment status. Clarification of Technical Specification requirements is the responsibility of operations line management with the assistance of the Technical Support Department.

When surveillance requirements are not met, or specific evidence exists that Technical Specification required equipment does not meet the OPERABILITY definition, the equipment shall be declared INOPERABLE and the appropriate ACTION statement shall be followed. The time of entry into the LCO ACTION statement shall be the time of discovery - the point in time at which responsible parties become aware of the condition.

At times, degraded or nonconforming conditions are revealed that result in equipment operability becoming indeterminate. In these cases the operability evaluation is to be prompt, with the timeliness commensurate with the potential safety significance of the issue. An intermediate determination of operability, pending the evaluation results, will be predicated on a reasonable expectation that the equipment is operable and that the prompt evaluation process will support that expectation. Corrective or compensatory actions should be initiated, where possible and prudent, in parallel with this operability evaluation. If the OPERABILITY evaluation reveals that the equipment fails to meet the definition of OPERABILITY, the equipment shall be declared INOPERABLE, and the appropriate action statement entered with the action clock beginning at the time INOPERABILITY was determined.

Special attention must be paid to peripheral operability impacts such as equipment qualification, flood protection, missile shields, impingement plates, or high energy line break protection. These items, often referred to as "hazard" protection, may require special design engineering expertise for a proper OPERABILITY evaluation. (Even though OPERABILITY may not be affected, we shall take timely corrective action to restore the plant to its intended design condition.)

W E Kujman / 5/20/92

General Manager Date

Nuclear Plant - Approval

(Management Standard No. 18)

Standard for Removal of Safety Related or Risk Significant Systems From Service

STANDARD FOR REMOVAL OF SAFETY RELATED OR RISK SIGNIFICANT SYSTEMS FROM SERVICE

GENERAL: Safety related systems may be removed from service during power operations to perform elective maintenance that will improve the overall system or plant performance and reliability. These planned system outages will be planned and scheduled to ensure that the out of service time is held to a minimum and that all applicable work activities are performed.

SCOPE: This standard applies to all elective outages on safety related systems. This standard also applies where specific considerations are required for systems considered "risk significant" as defined by 00353-C "Maintenance Rule". The "Maintenance Rule Scoping Manual", (Manual MSV-1748), contains a list of all Maintenance Rule systems along with their performance.criteria and risk significance designation.

RESPONSIBILITIES: The following guidelines will be used by plant personnel when developing Safety System Outages:

Schedules will be developed for all outages on Safety Related Systems that have multiple work tasks or for single work item outages on risk significant systems with a duration of greater than 1 shift.

Planning should ensure that the outage is scheduled in the correct "train" week. The planning process should include a review of the impact of other work activities, that are scheduled concurrently with the outage, which may affect overall plant or system performance.

The schedule should provide all activities that will be performed during the outage including operations activities for removal from and return to service, any integration that may be required for the work activities, the estimated duration for each activity as well as the overall outage duration, and appropriate notes for special considerations that must be taken during the outage. A statement on the risk significance of the system should also be included in the notes to the schedule.

Planned outages for risk significant systems should be performed as necessary to maintain reliability. The outage will be evaluated against the Maintenance Rule performance criteria for out of service time. The system engineer is responsible for providing the status of this criteria which will also be noted on the schedule.

RESPONSIBILITIES: (Continued)

The outage plan, including scope and schedule, will be presented and discussed as part of the plant Plan of the Day (POD) meeting. The preliminary schedule will typically be included as part of the POD approximately 3 weeks prior to the scheduled start date with an associated breakout discussion approximately 2 weeks before the start date.

All work controls programs should be reviewed for scope development when planning a system outage. This includes but is not limited to any identified corrective, preventative, predictive, surveillance, or design change activities. Scope inclusion should be based on improving performance, minimizing overall out of service time, or ALARA.

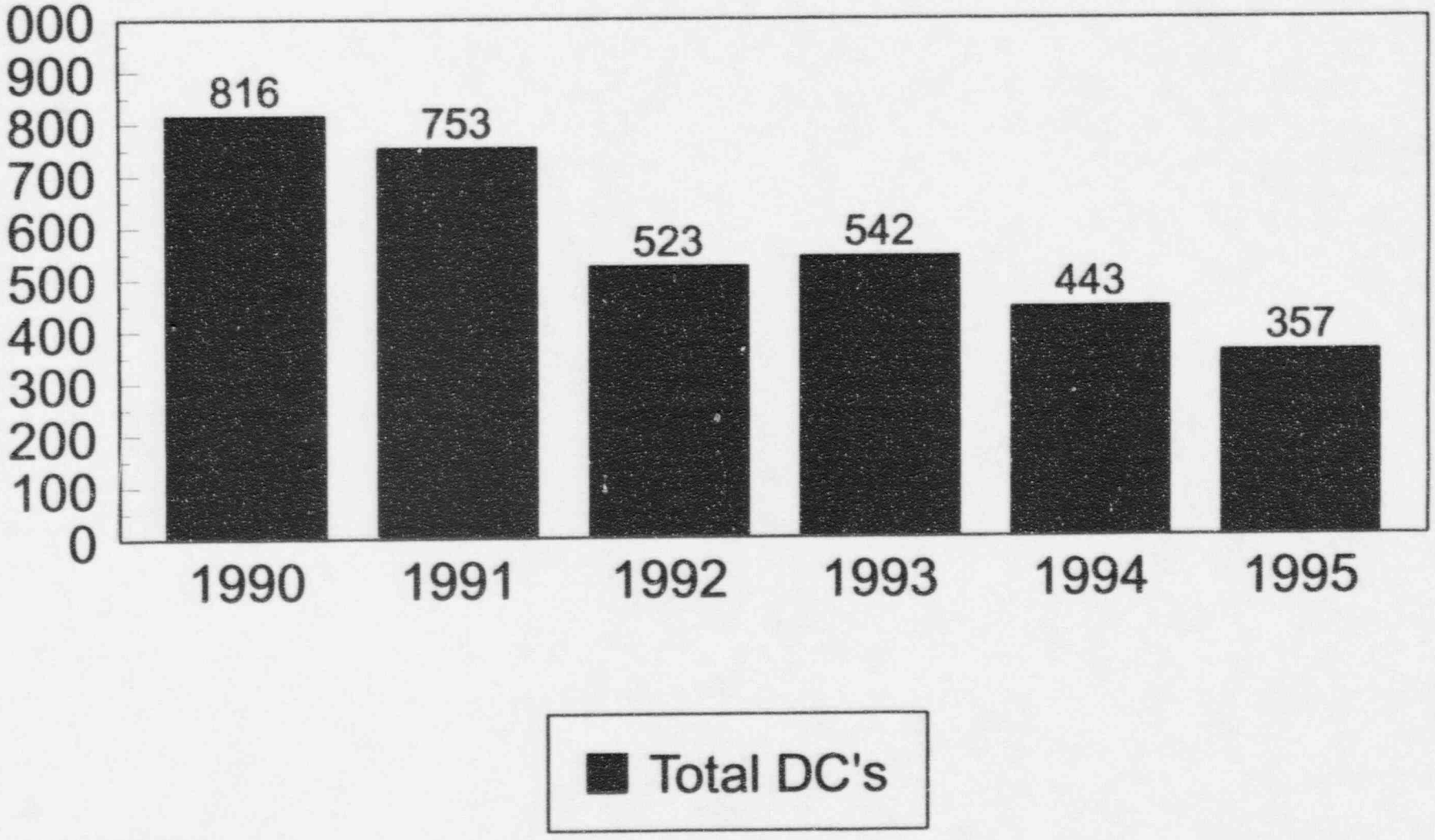
All schedules will be approved by a individual in the departments that are affected by the work. As a minimum, approvals will include management representatives for the Maintenance, Operations, Engineering and Outages & Planning Departments. The system engineer will also be provided a copy to review during the approval /development stage.

If the cumulative out of service time for the system (including the projected outage duration) does not exceed the assumed IPE unavailability per cycle, then the outage will have an acceptable impact on the Core Damage Frequency as determined by PRA. This assumes no other safety system out of service.

Planned outages that will cause the out of service time established in the performance criteria to be exceeded will require special consideration which may include a verification through PRA methodology. The necessity of the maintenance will have to be evaluated against the increase in projected risk. This evaluation, if necessary, will also be noted on the schedule.

GMNP Approval , 1/29/95
Date

TOTAL DEFICIENCIES GENERATED AT VOGTLE



ΓOTALDC)

Improved Tech Specs
Status Report

Report Date: Thursday, January 11, 1996

Responsible Management	Responsible Department	Procedure Revision Status		
		Planned for 01/10	Complete on 01/10	Total to revise
Plant Operations	Chemistry/HP	29	29	29
	Maintenance	390	397	669
	Operations	234	225	580
	Outage/Plan	0	0	0
Subtotal		653	651	1278
Plant Support	Eng Support	37	38	56
	Plant Mods	0	0	0
	Plant Admin	0	0	0
	Security	0	0	0
	NSAC	5	5	16
	Training	0	0	0
Subtotal		42	43	72
Other	ISEG/SAER	0/0	0/0	0/0
	Management	0	0	0
	Corporate	0	0	2
Total		695	694	1352

UNIT 1 AND UNIT 2
IMMEDIATE
RELEASE
MWO'S

TO PREVENT THE DESTRUCTION OF EVIDENCE THAT COULD BE USEFUL TO THE INVESTIGATION OF THE EVENT THAT CAUSED THE FORCED OUTAGE, NO WORK SHALL BE UNDERTAKEN THAT COULD BE REMOTELY ASSOCIATED WITH THE CAUSE, WITHOUT FIRST BEING APPROVED BY THE VOGTLE DUTY MANAGER OR THE EVENT REVIEW TEAM LEADER.

MWO NO.	ST	TYPE	TEAM	DISC	FORE	MPL/TAG NUMBERS	SYS	FEG	LOCATION	IND CLR	IND RWP	DATES SCH BEG	SCH END	REQUIRED	P2 CODE RFL	P2 CODE RFR	CONTROL	PRI
19403270	6S	COP	I&CC	ICOP	MLD	1LT0502	1301	1ABBA	1RB184-5	Y	Y	05/08/96	05/09/96	00/00/00	16	05	I	4

WORK REQUESTED ..: TUBING CONNECTION AT TRANSMITTER IS LEAKING
ACTIVE LEAK
FOUND BY JOHN CHURCHWELL ON CONTIANMENT WALKDOWN
FOREMAN COMMENTS.: *F.F.T.****IMMEDIATE RELEASE***
WORK INSTRUCTIONS: SEE ATT. LOOSEN SWAGELOK/CLEAN/TIGHTEN PER MAINTENANCE PROCEDURE 2044
0-C. MAINTAIN ZONE IV HOUSEKEEPING.

MPL/TAG ....:

	MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
ILRT	1LT0502	1301	1ABBA	1RB184-5/4	1X4DB159-3	C5	MAIN STEAM,LOOP 2 WIDE,RANGE LEVEL,PROT SET I

CLEARANCE ..:

CLEAR	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION
0							
19615725	I	11505PIPE	1305	1AD00	*** N/A ***	1VARIOUS	SYSTEM 1305 PIPE SEGMENT

I9403466	6S	COP	MSSB	ICOP	MWG	1PI5264	1301	1ABBB	1RB171-6	N	Y	05/05/96	05/04/96	00/00/00	16	05	I	5044

WORK REQUESTED ..: GLASS BROKE ON 1PI-5264 GAGE APPEARS TO STILL READ CORRECTLY.
FOREMAN COMMENTS.: *CONTAINMENT ENTRY REQUIRED
WORK INSTRUCTIONS: REPLACE BROKEN GLASS, CAL IF REQUIRED

MPL/TAG ....:

	MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
	1PI5264	1301	1ABBB	1RB171-6/7	1X4DB159		WET LAYUP,RECIRC PUMP,LOOP 2 SUCT,*,*,*,*

CLEARANCE ..:

CLEAR	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION
0							

I9500188	6S	COP	TRBA	ICOP	JEL	1XV6005	1301	1ABNE	1TB2	N	N	08/05/95	08/05/95	00/00/00	16	05	I	G	4028

WORK REQUESTED ..: *
WRT-47017: FOUND COMPUTER POINTS ZD-2010,-2012,-2014 AND -2016.
CONTROL VALVES INDICATION WAS INCORRECT. LIMIT SWITCH IS NOT SET-UP
CORRECTLY.
WRT-47018: FOUND COMP. PNTS ZD-2056 AND -2058, INTERCEPT VALVE INDICAT
ION WAS INCORRECT. LIMIT SWITCH APPEARS TO BE PROBLEM.
FOREMAN COMMENTS.: *FORCED OUTAGE, PARTS ARE IN.
*TROUBLESHOOT COMPUTER PTS
WORK INSTRUCTIONS: INVESTIGATE/TROUBLESHOOT COMPUTER POINT LOOPS. ADJUST LIMIT SWITCHES
IF NECESSARY. REPLACE DEFECTIVE BOARDS IF REQUIRED. VERIFY COMPUTER
PO. S ARE OPERTATING CORRECTLY MWG 2/8/95
REF 1X4AA01-280

MPL/TAG ....:

	MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
RXTRIP	1XV6005	1301	1ABNE	1TB2	1X4DB160-1	D5	MAIN STEAM,MAIN TURBINE,STEAM CONTROL,VLV NUM
	1ZS6005A	1301	1AC00	1TB5	1X4DB160-001		CNTL VLV 1 STM GEN TO MP
RXTRIP	1XV6006	1301	1ABNE	1TB2	1X4DB160-1	F5	MAIN STEAM,MAIN TURBINE,STEAM CONTROL,VLV NUM
	1ZS6006A	1301	1AC00	1TB5	1X4DB160-001		CNTL VLV 2 STM GEN TO MP
RXTRIP	1XV6007	1301	1ABNE	1TB2	1X4DB160-1	E5	MAIN STEAM,MAIN TURBINE STEAM,CONTROL,VLV NUM
	1ZS6007A	1301	1AC00	1TB5	1X4DB160-001		CNTL VLV 3 STM GEN TO MP
RXTRIP	1XV6008	1301	1ABNE	1TB2	1X4DB160-1	G5	MAIN STEAM,MAIN TURBINE,STEAM CONTROL,VLV NUM
	1ZS6008A	1301	1AC00	1TB5	1X4DB160-001		CNTL VLV 4 STM GEN TO MP
	1XV6010	1301	1ABBL	1TB5	1X4DB160-2	C6	MAIN STEAM,LP TURB B,CNTL INTERCPT,VLV NUMBER
	1ZS6010A	1301	1ABBL	1			INTER.VLV02 OPEN POSIT. S
	1XV6011	1301	1ABAL	1TB5	1X4DB160-2	C5	MAIN STEAM,LP TURB A ,CNTL INTERCPT,VLV NUMBE
	1ZS6011A	1301	1ABAL	1			INTER. VLV03 OPEN POSIT.S

CLEARANCE ..:

CLEAR	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION
0							

I9506674	2A	COP	TRBA	MEOP	JLF	1HV6179	1301	1ABCH	1TB5-TC/	N	N	10/25/95	10/25/95	04/26/95	16	05	I		4011

MWO NO.	ST	TYPE	TEAM	DISC	FORE	MPL/TAG NUMBERS	SYS	FEG	LOCATION	IND CLR	IND RWP	DATES SCH BEG	SCH END	REQUIRED	P2 CODE RFL	P2 CODE RFR	CONTROL	PRI

WORK REQUESTED ..: VALVE HAS A SMALL PACKING LEAK. INVESTIGATE AND TIGHTEN PACKING AS
NECESSARY TO STOP LEAK.
FOREMAN COMMENTS.: *
WORK INSTRUCTIONS: ADJUST VALVE PACKING AND VERIFY OPERABILITY PER MAINTANCE PROCEDURE 2
5036-C. NO SPECIFIC STROKE TIME.
MAINTAIN ZONE IV HOUSEKEEPING.

MPL/TAG ....:

	MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
	1HV6179	1301	1ABCH	1TB5-TC/T17	1X4DB160-2	H2	MAIN STM BYP,MSR A STEAM,SUPPLY ISO,*,NO,*,*

CLEARANCE ..:

CLEAR	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION
0							

I9403772	6S	COP	TRBC	ICOP	I.2	1LV4333	1304	1AFAF	1TBA-TE/	N	N	05/04/96	05/05/96	00/00/00	16	05	I	P	40

WORK REQUESTED ..: BOTH OF THE HEATER DRAIN TANK HIGH LEVEL DUMP VALVES SEEM TO BE
LEAKING PAST THE SEAT AS INDICATED BY HIGH INLET PIPE TEMPERATURES.
1LV4334 IS ALSO HOT ON THE OUTLET SIDE.
FOREMAN COMMENTS.: *I&C TO CHECK SETUP- POTENTIAL EFFICENCY GAIN*
*
WORK INSTRUCTIONS: ICOP TO SETUP VALVES IN ACCORDANCE WITH PROCEDURE 22285-C. IF VALVES
REQUIRE REWORK RETURN MWO TO MEOP WPG FOR WORK INSTRUCTIONS AND PARTS.
MAINTAIN ZONE IV HOUSEKEEPING. TDG 6/14/95

MPL/TAG ....:

	MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
	1LV4333	1304	1AFAF	1TBA-TE/T17	1X4DB165-3	C5	FW HTR DRN,HEATER DRAIN,TANK A DUMP,TO CONDEN
	1LV4334	1304	1AFBF	1TBA-TD/T17	1X4DB165-4	C6	FW HTR DRN,HEATER DRAIN,TANK B DUMP,TO CONDEN

CLEARANCE ..:

CLEAR	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION
0							

I9404084	6S	COP	TRBB	ICOP	LW2	1LV4524	1304	1AFCB	1TB2	N	N	00/00/00	00/00/00	00/00/00	16	05	I	P	4011

WORK REQUESTED ..: MSDT "C" DUMP VALVE IS PASSING FLOW TO CONDENSER - UPSTREAM PIPE
TEMP IS 245 DEG WITH VALVE APPEARING CLOSED. (INSTRUMENT SIGNAL
WAVERING FROM 18 TO 19.5 PSI WITH OUTPUT STEADY AT 34.5) NOTE;
SIMILAR TEMP FOR 1LV4525 IS 108 DEG
FOREMAN COMMENTS.: ** I&C CHECK SET UP AT FORCED OUTAGE**
MPL/TAG ....:

	MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
	1LV4524	1304	1AFCB	1TB2	1X4DB165-2	F7	FW HTR DRN,MSDT C DUMP,TO CONDENSER,*,ADV FO,
	1LCH4524	1304	1AFCB	1TB2	1X4DB165-2	F7	MS DMTH C SHELL

CLEARANCE ..:

CLEAR	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION
0							

I9404171	6S	COP	TRBC	MEOP	LW2	11304X4680	1304	1AFAA	1TB5	Y	N	05/04/96	05/04/96	01/06/95	16	05	I	G	4011

WORK REQUESTED ..: VALVE HAS PACKING LEAK. PLEASE INVESTIGATE AND REPAIR. 16 DROPS PER M
INUTE ON 12/28/94. THIS IS AN ISOLATION VALVE TO MSR A HIGH LEVEL TRIP
SWITCH
WORK INSTRUCTIONS: CAUTION: THIS IS AN ISOLATION VALVE TO MSR A HIGH LEVEL TRIP SWITCH.
ADJUST PACKING PER 25059-C.
REPACK VALVE PER 25059-C

MPL/TAG ....:

	MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
	11304X4680	1304	1AFAA	1TB5	1X4DB165-000	H8	FW HTR DRN,MOSITURE SEP,REHEATER A,LSH-45648

CLEARANCE ..:

CLEAR	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION
0							
19615725	I	11505PIPE	1305	1AD00	*** N/A ***	1VARIOUS	SYSTEM 1305 PIPE SEGMENT

MWO NO.	ST	TYPE	TEAM	DISC	FORE	NUMBERS	MPL/TAG SYS	FEG	LOCATION	IND CLR	RWP	DATES SCH BEG	SCH END	REQUIRED	P2 CODE RFL	RFR	CONTROL	PRI
19501939		6S	COP	TRBA	MEOP	LHZ ITV6880	1526	1CEAB	1TB1	Y	W	05/05/96	05/05/96	08/08/08	16	05	I	5028

WORK REQUESTED ..: VALVE ACTUATOR YOKE IS MOVING WHEN VALVE MOVEMENT IS CALLED FOR.
APPEARS LIKE YOKE LOCK NUT IS NOT TIGHT, HOWEVER IT LOOKS LIKE SOMEONE
HAS ATTEMPTED TO TIGHTEN SAME WITHOUT SUCCESS.

VALVE OBSERVED TO BE OPERATING SATISFACTORY BY LAVENDER/DUNN/STANLEY
ON 06/23/95 AM YOKE RING APPEARED TO BE TIGHT BUT LOOKS TO HAVE BEEN
HAMMERED. VALVE ALSO HAS A SLIGHT PACKING LEAK. JBS

WORK INSTRUCTIONS: REPACK VALVE PER 25839-C.

MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
1TV6880	1526	1CEAB	1TB1	1X4DB195	C7	STATOR CLG,TEMPERATURE,CONTROL,VALVE,FAILS TO

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

19502798		6S	COP	TRBA	ELOP	JEL IMS6915	1526	1CEAA	1TB1	W	W	10/14/95	10/16/95	10/16/95	16	05	I	5028

WORK REQUESTED ..: STATOR COOLING PUMP "A" NOT RUNNING -RED FLAG(BELIEVE MECH INDICATION
BROKEN)

WORK INSTRUCTIONS: REWORK OR REPLACE AS REQUIRED. DOCUMENT ALL WORK PERFORMED.
MAINTAIN ZONE 4 HOUSEKEEPING.

MPL/TAG ....:

	MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
	IMS6915	1526	1CEAA	1TB1	1X4DB195	B5	CONT SW (PHSC) FOR 1-1526-E4-501-P81,STATOR C
	11526E4501M01	1526	1CEAA	1TB1	1X4DB195	B4	GEN STAT COOL PUMP A MTR
RXTRIP	1MB1Z06	1805	1CEAA	1TB2-TC/T12	1X6DB195	B4	480V SWGR FOR BKR FOR 1-1526-E4-501-P81

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

19502586		6D	COP	TRBA	ICOP	JEL 11528P5GEC	1528	1MB08	1TB3-TE/	W	W	08/12/95	08/13/95	08/08/08	16	05	I	E 5028

WORK REQUESTED ..: GEN. EXCITATION POWER SUPPLY FAILURE ALARM IN.
ALARM CLEARED

FOREMAN COMMENTS.: *COOLED POWER SUPPLY-ALARM NO LONGER IN
*PARTS ARE IN.JCC 12/28/95

WORK INSTRUCTIONS: INVESTIGATE TO DETERMINE CAUSE FOR ALARM. REWORK, REPLACE, CALIBRATE
COMPONENTS AS REQUIRED TO RESTORE SYSTEM OPERABILITY.
@1 24V POWER SUPPLY IS DRIFTING. 24.4 TO 24.2V. MAY NEED TO ADJUST
AND/OR REPLACE.

MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
11528P5GEC	1528	1MB08	1TB3-TE/T14	1X4DB195	F2	GENNEREX EXCITER CUBICLE

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

19502285		6S	COP	TRBA	ICOP	JEL 11615Q5EMC	1615	1CH01	1CB165	W	W	03/24/96	05/07/96	08/07/95	16	05	I	4028

WORK REQUESTED ..: IN CABINET 1MCQEMC1 THERE IS A FAN FOR POWER SUPPLY (-22V PNG-08)
WHICH IS NOT RUNNING. THIS CAUSED A MALFUNCTION LIGHT ON THE TURBINE
EMC PANEL IN THE CONTROL ROOM.

FOREMAN COMMENTS.: *
*

WORK INSTRUCTIONS: INVESTIGATE/REWORK AS REQUIRED TO RESTORE FAN TO PROPER OPERATION.
REF. ATTACHED LETTER FROM JIM MONTGOMERY AND MWO 19502847. MAINTAIN
ZONE IV HOUSEKEEPING. TGG 7/31/95

MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID	OPS DESCRIPTION

MWO NO.	ST	TYPE	TEAM	DISC	FORE	NUMBERS	MPL/TAG SYS	FEG	LOCATION	IND CLR	RWP	DATES SCH BEG	SCH END	REQUIRED	P2 CODE RFL	RFR	CONTROL	PRI
						11615Q5EMC	1615	1CH01	1CB165									

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION
						EMC CABINET	

19502425		6S	COP	TRBA	ICOP	JEL 11615Q6EMC	1615	1CH01	1CB165	W	W	05/06/96	05/07/96	08/08/08	16	05	I	4028

WORK REQUESTED ..: "PNG IN CONTROL" STATUS LIGHT IS BURNED OUT.MAY REQUIRE TURBINE OFF
LINE TO REPLACE.
THE FOLLOWING LIGHTS ON EMC SYSTEM MONITORING PANEL WILL NOT
ILLUMINATE.
REACTOR TRIP HAZARD DUE TO LOCATION OF BULB SOCKET TGG 9/07/95

FOREMAN COMMENTS.: *
*

WORK INSTRUCTIONS: REPLACE LIGHTS AS REQUIRED. ****CAUTION**** TRIP HAZARD
MAINTAIN ZONE IV HOUSEKEEPING. TGG 8/18/95

MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID	OPS DESCRIPTION
11615Q5EMC	1615	1CH01	1CB165		EMC CABINET

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

19502776		6S	COP	TRBB	ICOP	JLF 11615Q5TTP	1615	1CH01	1CB165	W	W	05/05/96	05/05/96	08/08/08	16	05	I	5028

WORK REQUESTED ..: DURING THE PERFORMANCE OF THE TURBINE MECHANICAL TRIP PISTON TEST
THE TEST MALFUNCTION LIGHT COMES ON WHILE THE TEST CIRCUIT IS
RESETTING.LIGHT GOES OUT AFTER A FEW SECONDS.NOTE THIS ONLY OCCURS
AFTER THE TEST HAS NOT BEEN PERFORMED IN SEVERAL DAYS.TESTING
IMMEDIATLY FOLLOWING A TEST IN WHICH THE LIGHT COMES ON RESULTS IN A
NORMAL TESTWITH THE MALFUNCTION LIGHT NOT COMING ON.

WORK INSTRUCTIONS: INVESTIGATE PROBLEM WITH THE TEST MALFUNCTION LIGHT DURING THE TURBINE
MECHANICAL TRIP TEST. REWORK OR REPLACE PARTS AS REQUIRED.
CO-ORDINATE ALL WORK WITH OPERATIONS. IF OUTAGE IS REQUIRED TO
CORRECT PROBLEM RETURN TO WORK PLANNING TO BE RESCHEDULE.

MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID	OPS DESCRIPTION
11615Q5TTP	1615	1CH01	1CB165		TURBINE TEST PANEL

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

19502680		6S	COP	I&CC	ICOP	JHW 11627C5W08MM1	1627	R165		W	W	05/26/96	05/28/96	10/10/95	16	05	IX	20

WORK REQUESTED ..: COMPUTER POINT UV0035 VALIDATED NEUTRON FLUX INTERMEDIATE RANGE IS BAD
WITH ALL INPUTS HAVING GOOD QUALITY CAUSING REACTIVITY STATUS TREE TO
BE BAD (PURPLE) AND THE CSFST QMCB ANNUNCIATOR TO BE IN A SOLID ALARM
STATE. COMPARISON OF 1NI36 AND 1NI35 SHOWED THAT 1NI36 IS DRIFTING
HIGH.

FOREMAN COMMENTS.: #1-36;****IMMEDIATE RELEASE**** ON RICK JAMES DESK.

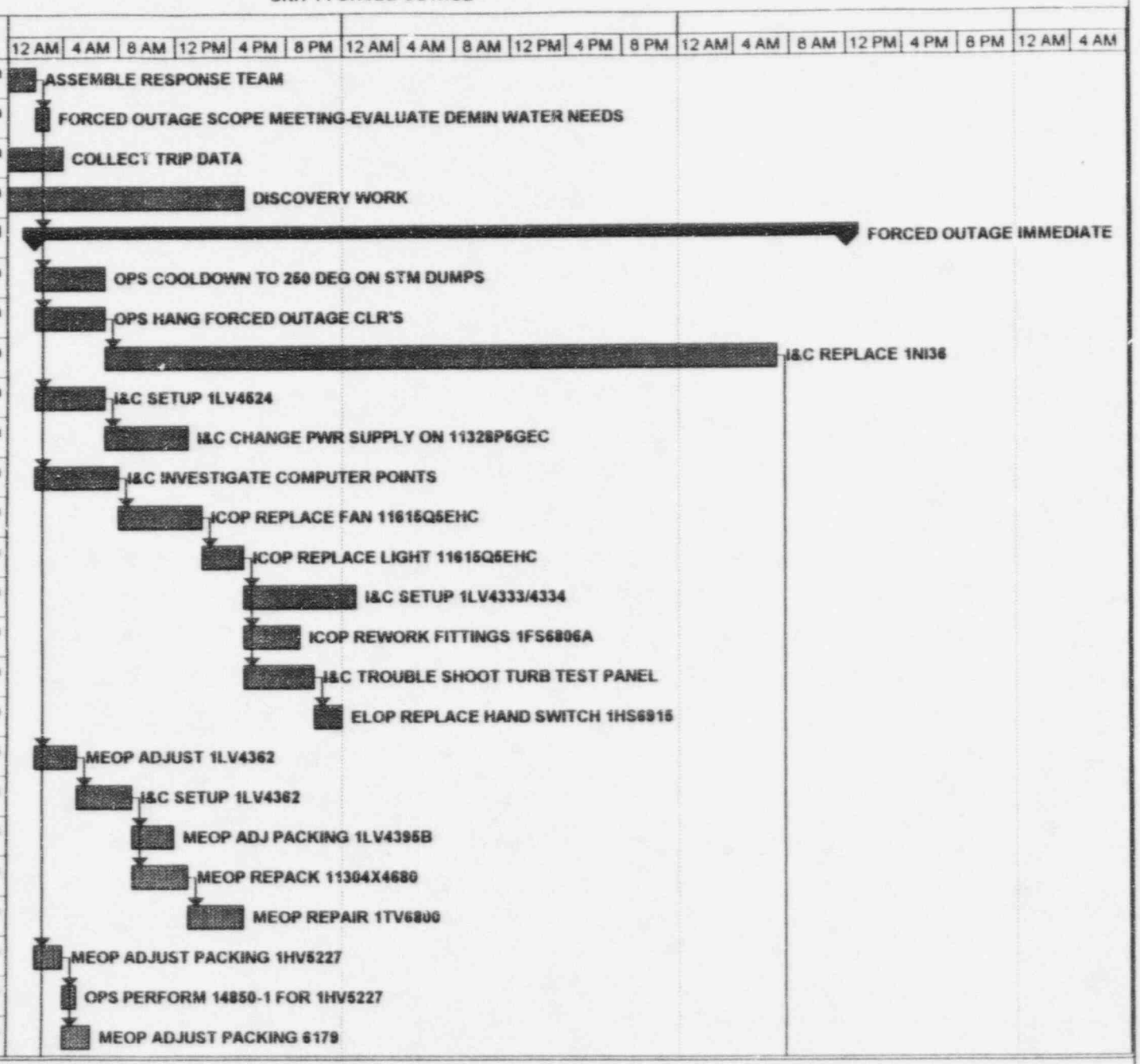
WORK INSTRUCTIONS: INVESTIGATE COMPUTER POINT CIRCUITRY AND LOGIC TO DETERMINE WHY IT IS
READING "BAD". MAKE ADJUSTMENTS AS NECESSARY TO RESTORE PROPER
INDICATION AND VALUE. CALIBRATE IF NEEDED. RETURN TO W/P FOR FURTHER
PACKAGING IF CONTAINMENT ENTRY IS REQUIRED. MMG 10/16/95

MPL/TAG ....:

	MPL/TAG	SYS	FEG	LOCATION	P&ID	OPS DESCRIPTION
	11627C5W08MM1	1627		R165		ALTERNATE SPDS WESTN MONITOR
RXTRIP	1160Z05NIR	1602	1SC06	1CB165		NUCLEAR INST RACKS
	1RE51103	1602	1SC96	1RB194-RXCV		INTERMEDIATE RANGE DETECT (NE 36)
	1RE51101	1602	1SC06	1RB194-RXCV-8N1		SOURCE RANGE DETECTOR (NE 32)
	1RE51102	1602	1SC06	1RB194-RXCV-8N1		SOURCE RANGE DETECTOR (NE 31)

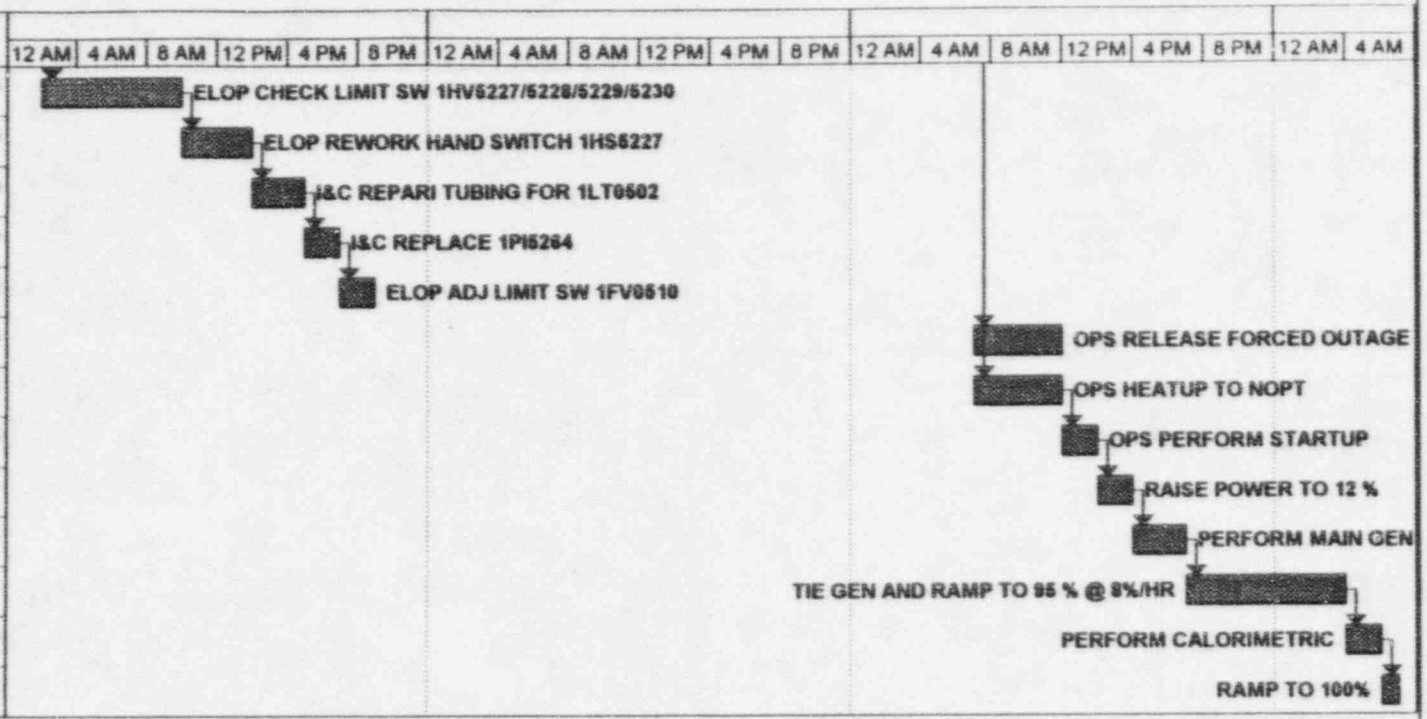
UNIT 1 FORCED OUTAGE

ID	Task Name	Duration
1	ASSEMBLE RESPONSE TE	2h
2	SCOPE MEETING	1h
3	COLLECT DATA	4h
4	START DISCOVERY WORK	17h
5	START FORCED OUTAGE	2.42d
6	OPS COOLDOWN TO	5h
7	OPS HANG CLEARAN	5h
8	ICOP 19502880	48h
9	ICOP 19404084	5h
10	ICOP 19502386	6h
11	ICOP 19500180	6h
12	ICOP 19502283	6h
13	ICOP 19502425	3h
14	ICOP 19503772	8h
15	ICOP 19500479	4h
16	ICOP 19502776	5h
17	ELOP 19502790	2h
18	MEOP 19404183	3h
19	ICOP 19404183	4h
20	MEOP 19500170	3h
21	MEOP 19404171	4h
22	MEOP 19501939	4h
23	MEOP 19500495	2h
24	OPS PERFORM 14850-	1h
25	MEOP 19500674	2h



UNIT 1 FORCED OUTAGE

ID	Task Name	Duration
26	ELOP 19500837	8h
27	ELOP 19500071	4h
28	ICOP 19403270	3h
29	ICOP 19403466	2h
30	ELOP 19500702	2h
31	OPS RELEASE CLR'S	5h
32	OPS HEATUP TO NOP	5h
33	OPS START UP	2h
34	OPS RAISE PWR TO 12 %	2h
35	PERFORM GEN PREPS	3h
36	TIE MAIN GEN AND RAMP	9h
37	PERFORM CALORIMETRIC	2h
38	RAMP TO 100 % PWR	1h



MWO NO.	ST	TYPE	TEAM	DISC	FORE	NUMBERS	MPL/TAG SYS	FEG	LOCATION	IND CLR	IND RWP	DATES SCH BEG	SCH END	REQUIRED	PZ CODE RFL	PZ CODE RFR	CONTROL	PRI
29501422	6S	COP	MSSB	MEOP	MWO	2HV5826B	1501	ZABCF	2CB1-R12	N	N	00/00/00	00/00/00	00/00/00	25	05	I	3336

WORK REQUESTED ..: MSIV 2HV-5826B HAS A PACKING LEAK
FOREMAN COMMENTS.: *
WORK INSTRUCTIONS: ADJUST PACKING ON VALVE 2HV5826B PER MAINT.PROC. 26510-C & 25036-C.
IF LEAK CONTINUES REPACK VALVE PER MAINT.PROC. 26510-C & 25036-C.
MAINTAIN ZONE IV HOUSEKEEPING.

MPL/TAG ....:

	MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
RXTRIP/ILRT	2HV5826B	1501	ZABCF	2CB1-R12	2X4DB159-2	D7	MAIN STEAM,SG 3 DNSTRM,MSIV,*,FC,*,B

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

29501565	6S	COP	MSSB	MEOP	RSH	2HV5806B	1501	ZABAF	ZAB159-1	N	N	10/23/95	10/23/95	05/11/95	25	05	I	50

WORK REQUESTED ..: DURING PERFORMANCE OF OSP 14842-2,MSIV 2HV5806B WENT PAST THE 90% OPEN POSITION. BLOCK VALVES WERE CLOSED, THE AIR SUPPLY PRESSURE TO THE HYDRAULIC FLUID PUMP WAS RAISED FROM 65 PSIG TO 72 PSIG AND THE VALVE RE-OPENED. TROUBLESHOOT AND REPAIR VALVE PROBLEM.
FOREMAN COMMENTS.: W/W SURV. 14842-201 SCHEDULED 10-23-95.
WORK INSTRUCTIONS: TROUBLE SHOOT VALVE 2HV5806B PER MAINTENCE PROC.28253-C. CHECK LIST WI LL BE DEVELOP BY THE SYSTEM ENGINEER. IF REWORK IS REQUIRED RETURN MWO TO WPG FOR REV.TO MWO.
MAINTAIN ZONE IV HOUSEKEEPING.

MPL/TAG ....:

	MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
RXTRIP/ILRT	2HV5806B	1501	ZABAF	ZAB159-16W11E5S	2X4DB159-2	H7	MAIN STEAM,SG 1 DNSTRM,MSIV,*,FC,*,B
	ZZSOT5806B	1501	ZABAF	MSIV AREA	2X4DB159-2		

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

29502124	6S	COP	TRBB	MEOP	MWO	2HV4256A	1505	ZAGAD	ZTB245-T	N	N	00/00/00	00/00/00	00/00/00	25	05	I	4028

WORK REQUESTED ..: 5A EXTRACTION STM MOV HAS A SMALL PACKING LEAK. TIGHTEN OR REPACK VALVE AS NECESSARY.
WORK INSTRUCTIONS: ADJUST/REPACK VALVE PER 25039-C.
RDA 09/05/95

MPL/TAG ....:

	MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
	2HV4256A	1505	ZAGAD	ZTB245-TC/T4	2X4DB162-2	F7	EXTRACT STM,9TH STG TO,MTR 5A STOP,*,MOV 480V

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

29501571	2P	COP	TRBC	MEOP	JS	2LSH4546B	1504	ZAFCA	ZTB5	V	N	10/10/95	10/11/95	05/01/95	25	05	I	50

WORK REQUESTED ..: FITTING ON PIPING TO LEVEL SWITCH 2LSH4246B HAS A SMALL STEAM LEAK. THE LEAK IS JUST A WISP AT THIS TIME. FITTING MAY BE ABLE TO BE TIGHTNED TO STOP LEAK. USE CAUTION DUE TO HEAT IN THE AREA. PLEASE INVESTIGATE AND REPAIR AS NECESSARY.
FOREMAN COMMENTS.: ***** CAUTION RX TRIP SEE CONT. SMT.*****
WORK INSTRUCTIONS: TIGHTEN INSTRUMENT FITTINGS AS REQUIRED TO STOP LEAK PER PROC.20468-C. SEE CONT.SMT.
MAINTAIN ZONE IV HOUSEKEEPING.

MPL/TAG ....:

	MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
RXTRIP	2LSH4546B	1504	ZAFCA	ZTB5	2X4DB163-2	H8	MSR C HI TRIP
RXTRIP	2LSH4546C	1504	ZAFCA	ZTB5	2X4DB163-2	H8	MSR C HI TRIP
RXTRIP	2LSH4546A	1504	ZAFCA	ZTB5	2X4DB163-2	H8	MSR C HI TRIP
RXTRIP	2LSH4547A	1504	ZAFDA	ZTB5	2X4DB163-2	H5	MSR D HI TRIP

MWO NO.	ST	TYPE	TEAM	DISC	FORE	NUMBERS	MPL/TAG SYS	FEG	LOCATION	IND CLR	IND RWP	DATES SCH BEG	SCH END	REQUIRED	PZ CODE RFL	PZ CODE RFR	CONTROL	PRI

RXTRIP	2LSH4547B	1504	ZAFDA	ZTB5	2X4DB163-2	H5	MSR D HI TRIP
RXTRIP	2LSH4547C	1504	ZAFDA	ZTB5	2X4DB163-2	H5	MSR D HI TRIP
RXTRIP	2LSH4545A	1504	ZAFBA	ZTB5	2X4DB163-1	H5	MSR B HI TRIP
RXTRIP	2LSH4545B	1504	ZAFBA	ZTB5	2X4DB163-1	H5	MSR B HI TRIP
RXTRIP	2LSH4545C	1504	ZAFBA	ZTB5	2X4DB163-1	H5	MSR B HI TRIP
RXTRIP	2LSH4544A	1504	ZAFAA	ZTB5	2X4DB163-1	H7	MSR A HI TRIP
RXTRIP	2LSH4544B	1504	ZAFAA	ZTB5	2X4DB163-1	H8	MSR A HI TRIP
RXTRIP	2LSH4544C	1504	ZAFAA	ZTB5	2X4DB163-1	H8	MSR A HI TRIP

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

29501999	6S	COP	TRBB	ICOP	JLF	2LV4532	1504	ZAFCC	ZTB2	Y/	V	N	08/10/95	08/11/95	07/31/95			I	50

WORK REQUESTED ..: THE POSITIONER GUIDE NEEDS TO BE REPLACE ON 2LV-4532. PLEASE INVESTIGATE AND REPAIR AS NECESSARY.
WORK INSTRUCTIONS: REWORK/ REPLACE POSITIONER GUIDE AS REQUIRED. REF. VENDOR MANUAL 2X5AC88-9Z5. MWO 7/31/95

MPL/TAG ....:

	MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
	2LV4532	1504	ZAFCC	ZTB2 T/F-T/2	2X4DB163-2	B6	FW HTR DRNS,RDT C DRAIN,TO HEATER 6B,*,AOV FC

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION
29500377	I	2LV4532	1504	ZAFCC	2X4DB163-2	B6	ZTB2 T/F-T/2 FW HTR DRNS,RDT C DRAIN,TO HEA

29501330	6S	COP	TRBA	MEOP	JEL	21506K4002	1506	ZFCBA	ZTB1-T7/	N	N	04/15/95	04/15/95	00/00/00	25	05	I	3026

WORK REQUESTED ..: INSIDE THE B MFPT ACCESORIES PANEL THERE ARE SEVERAL HYDRUALIC OIL LEAKS
FOREMAN COMMENTS.: *
WORK INSTRUCTIONS: REWORK LEAKS AS REQUIRED

MPL/TAG ....:

	MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
	21506K4002	1506	ZFCBA	ZTB1-T7/TF	2X4DB166	E7	STM GEN FW PUMP TURB DRIV

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

29501352	CS	COP	MSSC	MEOP	MWO	21612M6001	1612	ZSE00	ZRBA	N	N	00/00/00	00/00/00	04/11/95	25	05	I	2044

WORK REQUESTED ..: THERE IS A SMALL LEAK AT UNIT 2 SEAL TABLE. I&C DISCOVERED LEAK AND BELIEVE IT TO BE ON THIMBLE A-6 (A 10 PATH, 06 LOCATION). MAY BE LEAKING AT THE HIGH PRESSURE SWAGE LOCK. PLEASE INVESTIGATE AND REPAIR AS NECESSARY.

MPL/TAG ....:

	MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
	21612M6001	1612	ZSE00	ZRBA			INCORE DET DRIVE UNIT

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

29502165	6S	COP	TRBA	ICOP	JEL	21615Q52HC	1615	ZCH00	ZCB164	N	N	00/00/00	00/00/00	00/00/00	25	05	I	4028

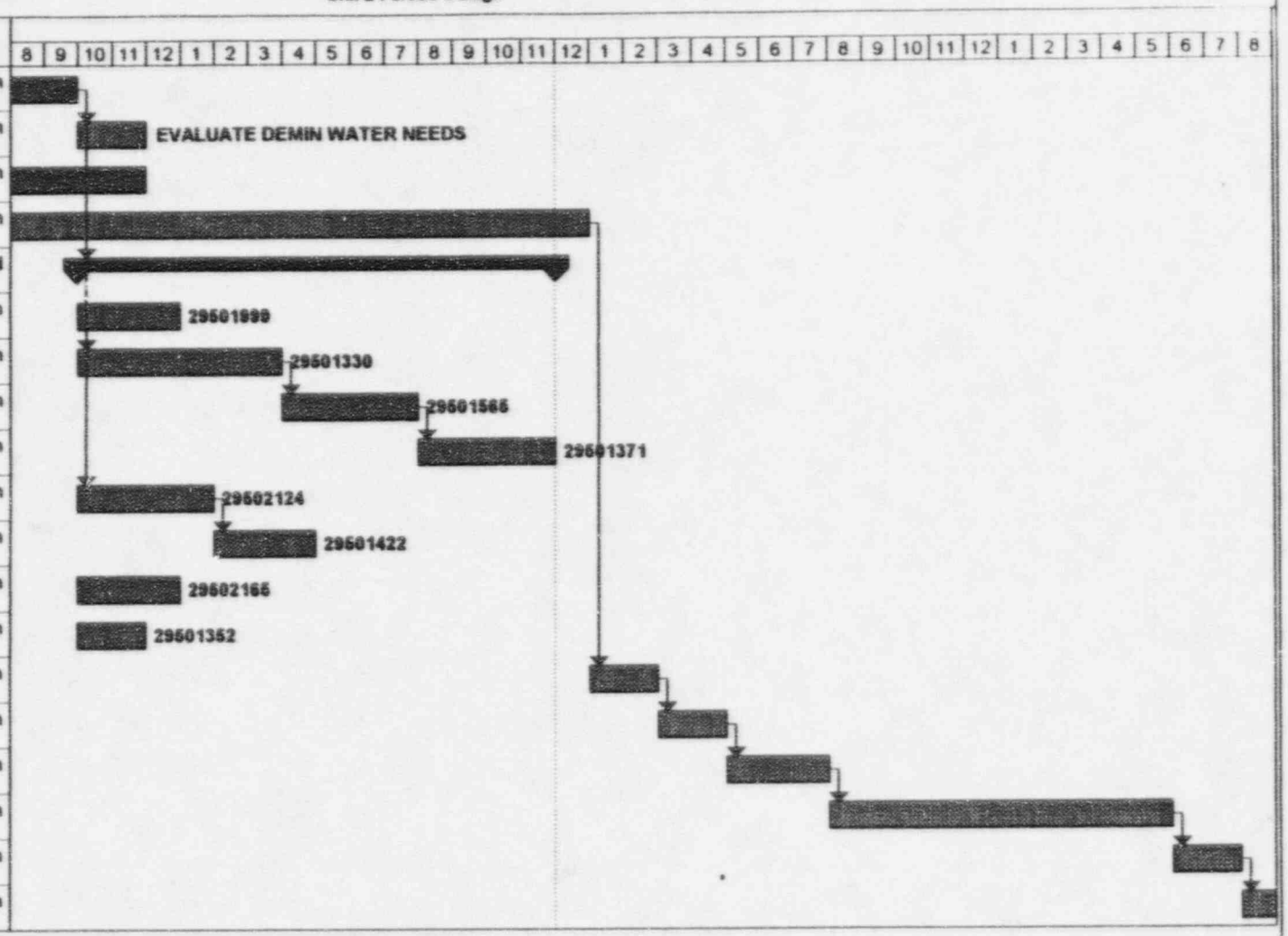
WORK REQUESTED ..: "PMG IN CONTROL" STATUS LIGHT IS BURNED OUT.MAY REQUIRE TURBINE OFF LINE TO REPLACE.
FOREMAN COMMENTS.: *
*
WORK INSTRUCTIONS: REPLACE STATUS LIGHT AS REQUIRED. *****CAUTION***** TRIP HAZARD
MAINTAIN ZONE IV HOUSEKEEPING. TGG 8/18/95

MPL/TAG ....:

	MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
	[illegible]	[illegible]		[illegible]			[illegible]

Unit 2 Forced Outage

ID	Task Name	Duration
1	ASSEM. TRIP RESP. TEAM	2h
2	F.O. SCOPE MEETING	2h
3	DATA COLLECTION	4h
4	START DISCOVERY WORK	17h
5	IMMED. RELEASE WORK	0.58d
6	ICOP 2LV4532 POSITION GUIDE	3h
7	MEOP 21308K4002 LEAK	6h
8	MEOP 2HV3006B REPAIR	4h
9	MEOP 2LSH4248B LEAK	4h
10	MEOP 2HV4230A ADJ PKG	4h
11	MEOP 2HV3026B REPACK	3h
12	ICOP 21615Q5EHC REPAIR	3h
13	ENG/OPER MONITOR SEAL TA	2h
14	OPS PERFORM START UP	2h
15	OPS RAISE PWR TO 12%	2h
16	OPS PREP MAIN GEN	3h
17	OPS RAMP TO 95% PWR	9h
18	OPS PERF CALORIMETRIC	2.87h
19	OPS RAMP TO 100%	1h



REPORT NAME:MWOC001-1 NUCLEAR PLANT MANAGEMENT INFORMATION SYSTEM
OPEN WORKORDERS - MWO SELECTION REPORT

MWO NO.	ST	TYPE	TEAM	DISC	FORE	NUMBERS	MPL/TAG SYS	FEG	LOCATION	IND CLR	RWP	DATES SCH BEG	SCH END	REQUIRED	PZ CODE RFL	RFR	CONTROL	PRI
19105576	6S	COP	TRBA	MEOP	MWO	1UV6281	1501	1ABBG	1TBA-T20	Y	N	05/04/96	05/04/96	08/15/93	16	OS	T FB	P E
					WORK REQUESTED ..:	PACKING WAS ADJUSTED TO STOP PACKING LEAK UNDER MWO 19104226. DUE TO PLANT CONDITION OPERATION COULD NOT STROKE THE MOV. WHEN PLANT CONDITIONS PERMIT THE MOV NEEDS TO BE STROKE TO TAKE CURRENT AND STROKE TIME. NOTE WRT WILL BE PLACED ON MCC FEEDER BKR 1MBB-17 ADD WRT 22751. ADD WRT 51271 FOR DUAL LIGHT INDICATION MPRDS 'Y'												50367
					FOREMAN COMMENTS.:	*VALVE NEEDS SETTING UP AND THEN STROKED WHEN PLANT STEAM IS DOWN. MHW 10/24/94 1R6 - 1R6 - 1R6 ----- STEAM BLOWS TO ATMOSPHERE WHEN STROKED												
					WORK INSTRUCTIONS:	REMOVE OPERATOR AND REMOVE ANY BROKEN MOUNTING BOLTS. REPLACE OPERATO R AND WRENCH TIGHTEN MOUNTING BOLTS (SEE WRT 22751) STROKE VALVE AND ADJUST PACKING AS REQUIRED PER 25056-C. MAINTAIN ZONE IV HOUSEKEEPING												
					MPL/TAG ....:													
					MPL/TAG		SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION						
					1UV6281		1501	1ABBG	1TBA-T20-STEAMT	1X4DB160-1	D1	MAIN STEAM,SV 1 AND 2,UPSTREAM,STARTUP DRN,MO						
					CLEARANCE ..:													
					CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID		LOCATION	OPS DESCRIPTION					
					19200470	A	1UV6281	1501	1ABBG	1X4DB160-1	D1	1TBA-T20-STEAMT	MAIN STEAM,SV 1 AND 2,UPSTREAM					
					19615725	I	11305PIPE	1305	1AD00	** N/A **		1VARIOUS	SYSTEM 1305 PIPE SEGMENT					
					19615748	I	1UV6281	1501	1ABBG	1X4DB160-1	D1	1TBA-T20-STEAMT	MAIN STEAM,SV 1 AND 2,UPSTREAM					
19301842	6F	COP	WSSB	MEOP	OPS	11901X4219	1901	1HB01	1RB171-2	Y	Y	09/11/94	09/11/94	00/00/00	16	OS	F	5044
					WORK REQUESTED ..:	VALVE WILL NOT TURN. MPRDS 'Y'	VALVE STEM APPEARS TO BE BINDING.												
					FOREMAN COMMENTS.:	F/T=OPS VER PROP VLV OPS													
					WORK INSTRUCTIONS:	REWORK VALVE PER 26640-C AND 25056-C, TACK WELD YOKE PER MPCS # 950888. *1-1901-X4-219 & 186 NEED TO CUT OF 1/2 TO 1" ON EACH END OF T-HANDLE & REF REV SHEET. AG 9/11/94												
					MPL/TAG ....:													
					MPL/TAG		SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION						
					ILRT 11901X4219		1901	1HB01	1RB171-20/Z1	1X4DB127	D1	MPSL,RCDT HX,OUTLET HEADER,DRAIN,NC,*,*						
					ILRT 11901X4186		1901	1HB01	1RB171-20/Z1	1X4DB127	D1	MPSL,RCDT HX,OUTLET HEADER,DRAIN,NC,*,*						
					CLEARANCE ..:													
					CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID		LOCATION	OPS DESCRIPTION					
					19500358	I	11901X4219	1901	1HB01	1X4DB127	D1	1RB171-20/Z1	MPSL,RCDT HX,OUTLET HEADER,DRA					
19502799	7H	COP	TRBB	MEOP	LHZ	1HV6129	1501	1ABBH	1TB5-T18	Y	N	05/05/96	05/06/96	00/00/00	16	OS	F1 P	4858
					WORK REQUESTED ..:	THE MSR "C" SUPPLY DRAIN MOV DOES NOT CLOSE COMPLETELY BY THE MOTOR. VALVE MUST BE PUT IN HAND WHEEL MODE TO COMPLETELY CLOSE. MPRDS 'M'												
					FOREMAN COMMENTS.:	MPCS													
					WORK INSTRUCTIONS:	REWORK VALVE PER 26500-C AND REPACK PER 25039-C. SEAL WELD PER MPCS # 940704 REWORK OPERATOR AND SET ROTORS/LIMITSWITCHES PER SETPOI NT DATA SHT. IF OPERATOR REWORK DOES NOT ACHIEVE SATISFACTORY RESULTS ROUTE TO MEOP TO REWORK PER PROC. 26500-C AND 25039-C.												
					MPL/TAG ....:													
					MPL/TAG		SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION						
					1HV6129		1501	1ABBH	1TB5-T18/TF	1X4DB160-2	B5	MAIN STEAM,SUPPLY TO,MSR C,PDV-6126A DRN						
					CLEARANCE ..:													
					CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID		LOCATION	OPS DESCRIPTION					
					19615751	I	1HV6129	1501	1ABBH	1X4DB160-2	B5	1TB5-T18/TF	MAIN STEAM,SUPPLY TO,MSR C,PDV					
					19615725	I	11305PIPE	1305	1AD00	** N/A **		1VARIOUS	SYSTEM 1305 PIPE SEGMENT					

MWO NO.	ST	TYPE	TEAM	DISC	FORE	NUMBERS	MPL/TAG SYS	FEG	LOCATION	IND CLR	RWP	DATES SCH BEG	SCH END	REQUIRED	PZ CODE RFL	RFR	CONTROL	PRI
19400702	6S	COP	TRBB	ICOP	JLF	1TE14462	1305	1AD00	K5DSP796	N	N	05/09/96	05/12/96	00/00/00	16	OS	F 3	5016F
					WORK REQUESTED ..:	COMPUTER POINT T2458, UNIT 1, CONDENSATE PUMP B MOTOR UPPER THRUST BEARING, IS READING XXXX ADD WRT 48134 - PROTEUS POINT 1T2458 FOR CONDENSATE PUMP B UPPER BEARING TEMP IS READING XXX												
					FOREMAN COMMENTS.:	* OSCR WRITTEN TO DELETE FROM OUTAGE SCOPE PER RBR. AG 9-30-94												
					WORK INSTRUCTIONS:	INVESTIGATE/REWORK TEMP LOOP "T2458" REPLACE/CAL LOOP COMPONENTS AS REQUIRED MAINTAIN ZONE IV HOUSEKEEPING. REMOVE ALL INTERFERENCES NEEDED TO PULL MOTOR COVER FOR REPLACEMENT OF RTD'S.												
					MPL/TAG ....:													
					MPL/TAG		SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION						
					1TE14462		1305	1AD00	K5DSP796	X4DBLOOP		COND PMP B MTR UPPER THR						
					116180500D1		1618	1RJ01	1CB165	1X4DB194	D7	OPERATOR'S DESK #1						
					CLEARANCE ..:													
					CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID		LOCATION	OPS DESCRIPTION					
19403650	6S	COP	VALV	MEOP	JEL	1HV6852	1501	1ABHH	1TB2-TB/	Y	N	05/13/96	05/14/96	00/00/00	16	OS	F P	5038
					WORK REQUESTED ..:	UNDER MWO 19402250 THE BODY, PLUG AND SEAT WAS FOUND TO BE DAMAGED DURING INSPECTION OF VALVE INTERNALS. NO PARTS COULD PROCURED TO MAKE NECESSARY REPAIRS, THE VALVE WAS REASSEMBLED USING DEGRADED PARTS. REPLACE VALVE DURING THE NEXT REFUELING OUTAGE (1R6)												
					FOREMAN COMMENTS.:	*													
					WORK INSTRUCTIONS:	CUT OUT VALVE AND WELD IN NEW VALVE PER MPCS # 950756 AND 1V1-1501-665=01, REPACK VALVE PER 25039-C. INSTALL OPERATOR AND PERFORM CHECKOUT PER 26856-C.												
					MPL/TAG ....:													
					MPL/TAG		SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION						
					1HV6852		1501	1ABHH	1TB2-TB/T19	1X4DB160-5	H2	TURB STM SEAL,MS BYPASS HDR,SEAL SUPPLY,RGLTR						
					CLEARANCE ..:													
					CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID		LOCATION	OPS DESCRIPTION					
					19615752	I	1HV6852	1501	1ABHH	1X4DB160-5	H2	1TB2-TB/T19	TURB STM SEAL,MS BYPASS HDR,SE					
					19615725	I	11305PIPE	1305	1AD00	** N/A **		1VARIOUS	SYSTEM 1305 PIPE SEGMENT					
19403821	6S	COP	WSSA	MEOP	ELK	11201U4065	1201	1BBMP	1RB287-1	Y	Y	05/05/96	05/06/96	00/00/00	16	OS	F	5446
					WORK REQUESTED ..:	WATER LEAKING FROM UNDER INSULATION DOWN TO C-LEVEL. BORON BUILDING ON FLOOR. APPEARS TO BE COMING FROM VALVE 1-1201-U4-065 BUT CANNOT SEE PACKING LEAK FROM OUTSIDE INSULATION. 1S DPH												
					FOREMAN COMMENTS.:	*													
					WORK INSTRUCTIONS:	CONTACT SECURITY PRIOR TO ENTRY. INSULATION REMOVAL REQUIRED, TIGHTEN PACKING NUT AND TORQUE BONNET PER MAINTENANCE PROCEDURE 26540-C. MAINTAIN ZONE III HOUSEKEEPING SEE ATT PROCEDURE												
					MPL/TAG ....:													
					MPL/TAG		SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION						
					ILRT 11201U4065		1201	1BBMP	1RB287-19/20	1X4DB148	B7	NUC SAMPLING,LOOP 3,SAMPLE HDR,ISOLATION,*,*,						
					CLEARANCE ..:													
					CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID		LOCATION	OPS DESCRIPTION					
					19615187	I	11201U4065	1201	1BBMP	1X4DB148	B7	1RB287-19/20	NUC SAMPLING,LOOP 3,SAMPLE HDR					
19403851	6S	COP	TRBB	MEOP	LHZ	1PSV4040	1318	1AFAB	1TB5-TG/	Y	N	05/04/96	05/04/96	00/00/00	16	OS	F PG	5021
					WORK REQUESTED ..:	FW HTR HTR 5A RELIEF VLV 1PSV-4040 LEAKING BY, SHELL SIDE ADD WRT-55972: PSV-4040 HAS SMALL STEAM LEAK AT FLANGE THAT BOLTS TO HEATER. AG 2-22-95												
					FOREMAN COMMENTS.:	*													

MWO NO. ST TYPE TEAM DISC FORE | MPL/TAG NUMBERS SYS FEG LOCATION | IND CLR RWP | DATES SCH BEG SCH END REQUIRED | PZ CODE RFL RFR | CONTROL PRI

WALKDOWN COMITMENT C00029191.
FOREMAN COMMENTS.: **MWO, CAN'T WE DO THIS MOW. CJP 1[illegible]/95
WORK INSTRUCTIONS: REMOVE AIR PUMP LIFTING HANDLE TO ALLOW MIN. CLEARANCE
MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
RXTRIP/ILRT 1HV15196	1502	1ALMA	1ABA11-6N8S1	1X4DB168-5	E2	MFW,SG 1 BYPASS,FEEDWATER,ISOLATION,AOV-FC,*,

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION
19615700	1	1HV15196	1502	1ALMA	1X4DB168-5	E2	1ABA11-6N8S1 MFW,SG 1 BYPASS,FEEDWATER,ISOL
19615651	I	1120186001	1201	1BBAB	1X4DB111	D7	1RBB STEAM GENERATOR NO. 1

I9508884 6S CPP I&CB ICOP WLD 1FV0530 1505 1ADCB ICBA- N N 05/05/95 05/05/95 00/00/00 F 50
WORK REQUESTED ..: COLLECT FEEDWATER REGULATION VALVE CONTROL SIGNAL AND VALVE POSITION DATA FOR COMPARISON TO UNIT 2. RECORDER WILL BE INSTALLED IN 11604Q5PC3 AND A TEMPORARY POSITION FEEDBACK INDICATOR ATTACHED TO THE VALVE. REFER TO WO 29501421
FOREMAN COMMENTS.: ****FORCED OUTAGE****
WORK INSTRUCTIONS: INSTALL RECORDER IN 11604Q5PC3 AND A TEMPORARY POSITION FEEDBACK INDICATOR TO 1FV-530. COLLECT VALVE CONTROL SIGNAL AND VALVE POSITION DATA TO COMPARE WITH UNIT 2. CONTACT SYSTEM ENGINEER JAMES WESLEY WITH RESULTS. MWO 5/2/95
MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
RXTRIP/ILRT 1FV0530	1505	1ADCG	1CBA-	1X4DB168-5	D7	S/G LOOP 3 FDWTR VALVE
11604Q5PC3	1604	1SC02	1CB1-			PROCESS I&C CONTROL GRP 3

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

I9501249 6S COP TRBC MEOP MWO 1LSLL4336 1504 1AFBF 1TB1-TF/ Y N 05/04/95 05/05/95 00/00/00 16 05 F 4
WORK REQUESTED ..: LEAK REPAIR WAS INSTALLED BY MWO29501536 AND TEMP-MOD 95-V1T029, REMOVE TEMP-MOD AND REWORK/REPLACE VALVE TO RESTORE VALVE 1LSLL4336-GIL
FOREMAN COMMENTS.: *
WORK INSTRUCTIONS: REMOVE TEMP MOD BY CUTTING OUT VALVE 1LSLL4336-GIL AND WELDING IN A N EW VALVE. WELD PER WPCS # 950478 REPACK NEW VALVE PER 25039-C
MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
1LSLL4336	1504	1AFBF	1TB1-TF/T17	1X4DB163-4		MDT B SHELL

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION
19615725	I	11505PIPE	1505	1AD00	** N/A **	1VARIOUS	SYSTEM 1505 PIPE SEGMENT

I9502172 6S COP TRBA ICOP JEL 1PI0508 1505 1ADMH 1CB165 N N 05/15/95 05/16/95 07/27/95 16 05 F 5
WORK REQUESTED ..: DELTA P BETWEEN 1PI-507 AND 1PI-508 IS READING APPROX 170 LBS, SHOULD BE 200 LBS. AT 100% POWER. FEED PUMP DISCHARGE PRESSURES ARE BOTH INDICATING 1150 LBS. AND 1PI-508 IS INDICATING APPROX 1120 LBS. SUSPECT INDICATION PROBLEM. INVESTIGATE AND CALIBRATE AS NECESSARY.
FOREMAN COMMENTS.: *
*
WORK INSTRUCTIONS: REWORK/REPLACE COMPONENTS AS REQUIRED TO RESTORE INDICATION. MAINTAIN ZONE IV HOUSEKEEPING. TGG 7/15/95
MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
1PI0508	1505	1ADMH	1CB165	1X4DB168-5	A8	FW PUMPS DISCH,HEADER

MWO NO. ST TYPE TEAM DISC FORE | MPL/TAG NUMBERS SYS FEG LOCATION | IND CLR RWP | DATES SCH BEG SCH END REQUIRED | PZ CODE RFL RFR | CONTROL PRI

1PT0508	1505	1ADMH	1	1X4DB168-3	A8	COMD & FW,HEATERS 6A & 6B FEEDWATER,DISCH PRE
11604Q5PC1	1604	1SC02	1CB1-			PROCESS I&C CONTROL GROUP 1 (QCP1)

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

I9502504 4O COP MSSB ICOP MWO 1PI1004 1901 1HB01 1ABD56 N Y 05/07/95 05/07/95 09/18/95 16 05 F 3044
WORK REQUESTED ..: RCDT PRESSURE OFFSCALE LOW. H2 REGULATOR INDICATES 2 PSIG AND VALVE AL IGNMENT VERIFIED CORRECT. PREVIOUS MWO COSED PENDING RER ON SMALLER RA NGE SCALE,BUT INDICATION HAS ALWAYS BEEN SLIGHTLY POSITIVE UNTIL MOW.
FOREMAN COMMENTS.: **95VAM031 IS PENDING TRANSMITTER RESCALE MTG PAUL JACKSON. **NEED CTMT ENTRY TO CALIBRATE 1PT1004
WORK INSTRUCTIONS: INVESTIGATE LOOP 1P-1004 USING ATTACHED GENERIC CAL DATA PACKAGE. REPLACE ANY DEFECTIVE COMPONENTS AS REQUIRED. MAINTAIN ZONE IV HOUSEKEEPING. REF. 1X6AA02-504. TGG 9/11/95
*
MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
1PI1004	1901	1HB01	1ABD56	1X4DB127	F6	WPSL,REACTOR,CDOLANT DRN,TANK PRESS,*,*,*
1PT1004	1901	1HB01	1-RP-171-B07	1X4DB127	E6	WPSL,REACTOR COOL,DRAIN TANK 1,PRESSURE,*,*,*

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

I9502595 6S COP TRBB MEOP LM2 1LV4523 1504 1AFDB 1TB1-TF/ Y N 05/04/95 05/04/95 09/26/95 16 05 F 50
WORK REQUESTED ..: MOISTURE SEPERATOR DRAIN TANK 'D' TO HEATER DRAIN TANK 'B' HAS A SMALL PACKING LEAK. PLEASE INVESTIGATE AND REPAIR AS NECESSARY.
FOREMAN COMMENTS.: *
WORK INSTRUCTIONS: ADJUST VALVE PACKING ON VALVE 1LV4523 PER 25036-C. I&C TO SET-UP VALVE PER 22285-C. MAINTAIN ZONE IV HOUSEKEEPING. REPACK VALVE PER 25036-C.
MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
1LV4523	1504	1AFDB	1TB1-TF/T17	1X4DB163-4		FW HTR DRN,MSDT D DRAIN,TO HEATER DRAIN TANK

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION
19615685	I	1LV4523	1504	1AFDB	1X4DB163-4	1TB1-TF/T17	FW HTR DRN,MSDT D DRAIN,TO HEA
19508617	I	1LV4523	1504	1AFDB	1X4DB163-4	1TB1-TF/T17	FW HTR DRN,MSDT D DRAIN,TO HEA

I9502938 6S CHP I&CB ICOP JHH 11627C5CP1PR1 1627 RA58 N N 05/04/95 05/04/95 00/00/00 16 05 F 50
WORK REQUESTED ..: REMOVE TMP MOD 95-V1T046 TO CHANGE SOFTWARE CODE IN MODULE VAQS.PAS
FOREMAN COMMENTS.: FIELD WORK TO BE DONE BY JOE BRITT.****FORCED OUTAGE**** WORKORDER LOCATED IN I&C FORCED OUTAGE FILE
WORK INSTRUCTIONS: REMOVE TMP MOD 95-V1T046 TO CHANGE SOFTWARE CODE IN MODULE VAQS.PAS.
MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
11627C5CP1PR1	1627		RA58			PRIMARY MINICOMPUTER PROCESSOR

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

I9503088 5A CHP TRBA ICOP JEL 11506K4001 1506 1FCAA 1TB1-TF/ N N 11/06/95 11/06/95 11/28/95 F 3625
WORK REQUESTED ..: NUMEROUS MFP A HP TURBINE VIBRATION ALARMS WITH THE PUMP IN AUTO AT AP PROXIMATELY 4925 RPM. INVESTIGATION REVEALED SPIKES IN MFP A SPEED CO NCURRENT WITH THE VIBRATION SPIKES. SPEED CONTINUED TO SPIKE AT A REDU CED FREQUENCY WITH THE MFP IN MANUAL ON THE WESTINGHOUSE CONTROLLER AT VARIOUS STEADY STATE SPEEDS BETWEEN 4925 & 5050 RPM. PUMP IS NOW IN

MWO NO. ST TYPE TEAM DISC FORE | MPL/TAG NUMBERS SYS FEG LOCATION | IND CLR RWP | DATES SCH BEG SCH END REQUIRED | PZ CODE RFL RFR | CONTROL PRI

THIS DID NOT SOLVE THE PROBLEM. PLEASE REPAIR
DISPATCHER ALSO OBSERVED LEAK AT BOTH RTD ON TOP OF THIS BRG. ALSO
OBSERVE LEAK AT OIL INLET FLANGE TO THIS BEARING. SUGGEST ATTEMPTING
TO STOP LEAK BY INCREASING TORQUE. JBS 04/04/95 (PUMP OUTBOARD)
OIL LEAK AT TURBINE INBOARD BEARING JCP 11/2/95

FOREMAN COMMENTS.: *RTD OIL LEAK
WORK INSTRUCTIONS: OIL INLET FLANGE; MEOP - TORQUE FLANGE TO MAX PER MAINT B/T MANUAL.
SEND MWO TO ICOP FOR INSTRUCTIONS ON RTD LEAK
MAINT ZONE I/ HOUSEKEEPING. MAC 5/6/95
REWORK INBOARD SEAL TO STOP OIL LEAK

MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
2TE14475	1505	2CF00	ZTB1-TG/T4	X4DB	LOOP	SGFP A OUTER THRUST BRG M
RXTRIP Z1505P4004	1505	2ADAD	ZTB1-7E8S6	ZX4DB168-2	D4	STEAM GENERATOR FEED PUMP 'A'
2TE14474	1505	2ADMM	X5DS1M03	X4DB	167-4	SGFP A OUTB JNL BRG LO DR

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID		LOCATION	OPS DESCRIPTION
29500558	I	Z1506X4001	1506	ZFCAA	ZX4DB166	E4	ZTB1-T5/TF	STM GEN FW PUMP TURB DRIV

29501396 6S COP TRBA MEOP ALL Z1326E4501P01 1326 2CEAA ZTB1- Y N 04/21/95 04/21/95 00/00/00 F 5028

WORK REQUESTED ..: STATOR COOLING PUMP A IS LEAKING OIL FROM THE MOTOR END OF THE PUMP
BEARING SEAL AREA. INVESTIGATE AND REPAIR.
WORK INSTRUCTIONS: TIGHTEN/REWORK AS REQUIRED TO STOP LEAK. DOCUMENT ALL WORK IN BLOCK
27.

MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
Z1326E4501P01	1326	2CEAA	ZTB1-	ZX4DB193-5	B4	GEN STATOR COOLANT PUMP A

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

29501430 6S COP TRBA MEOP JEL Z1615S4501T01 1615 2CHNA ZTB1 Y N 11/14/95 11/14/95 05/25/96 25 OS F 4028

WORK REQUESTED ..: 1. THERE IS A SMALL EHC FLUID LEAK AT THE CONNECTION TO THE B HIGH
PRESSURE MANIFOLD. THIS IS THE MOST EASTERN VERTICAL PIPE ON TOP OF
THE CONNECTION BLOCK LOCATED AT THE NW CORNER OF RESEVOIR.
CONNECTION HAS A TACK WELDED RESTRAINT STRAP.
(CONTINUED)

FOREMAN COMMENTS.: *
WORK INSTRUCTIONS: 2. GRIND LOCKING TAB ON THE TUBE SIDE TO PREVENT DAMAGING O-RINGS.
TORQUE NUT TO MAX TORQUE PER ZX4AA11-198.
IF NUT TURNS HAVE OPS PRESSURIZE LINE AND VERIFY NO LEAKAGE.
TACK WELD LOCKING TABS PER WPCS 095-0528

MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
Z1615S4501T01	1615	2CHNA	ZTB1	ZX4DB194	B5	EHC HYDR FLUID RESERVOIR
Z1615PIPE	1615		ZVARIOUS	*** N/A ***		MISC 1615 PIPE
Z1615UM592	1615		TURB	ZX4DB194		EHC PUMP A DISCHARGE FILTER INLET ISOLATION V
Z1615S4501P02	1615	2CHBA	ZTB1-220	ZX4DB194	C4	EHC HYDR FLUID PMP B

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

29501502 6S COP TRBA MEOP MWO Z1301K4001MP 1301 ZABAH ZTB3 N W 00/00/00 00/00/00 00/00/00 25 OS F 4028

WORK REQUESTED ..: HIGH PRESSURE TURBINE SHELL IS LEAKING AT THE MATING SURFACE ON THE
GENERATOR END. LEAK IS ABOUT 4 OR 5 BOLTS ON EITHER SIDE OF SHAFT.
LEAK IS SMALL AT THIS TIME. NEED TO TRY TO TIGHTEN DURING A TURBINE

MWO NO. ST TYPE TEAM DISC FORE | MPL/TAG NUMBERS SYS FEG LOCATION | IND CLR RWP | DATES SCH BEG SCH END REQUIRED | PZ CODE RFL RFR | CONTROL PRI

SHUTDOWN.

FOREMAN COMMENTS.: *
WORK INSTRUCTIONS: TIGHTEN AS DIRECTED BY GE REP. CJP 6/29/95

MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
Z1301K4001MP	1301	ZABAH	ZTB3	ZX4DB168-2	E4	HIGH PRESSURE TURBINE

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

29501525 6S COP TRBC MEOP MWO ZLSM4295 1304 ZAFBH ZTB3-BEH Y N 05/25/95 05/25/95 05/25/95 F 50

WORK REQUESTED ..: MTR 5B VALVE HAS PACKING LEAK
ZLSM4295GIL IS VLV WITH PACKING LEAK
ADD ZLCL4283 EIL PER BLOCK 27: PACKING LEAK.

FOREMAN COMMENTS.: **
WORK INSTRUCTIONS: ZLSM4295GIL: REWORK VALVE PER 26140-C AND REPACK PER 25039-C
ZLCL4283EIL: REPACK VALVE PER 25039-C
ZLSM4295GIL: INSPECT STEM, REPLACE IF NECESSARY.

MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
ZLSM4295	1304	ZAFBH	ZTB3-BEHIND 5A	ZX4DB163-4	G4	MTR 5B SHELL
ZLCL4283	1304	ZAFBH	ZTB3	ZX4DB163-4	G5	MTR 5B SHELL

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION
29500226	I	ZLCL4283	1304	ZAFBH	ZX4DB163-4	G5	ZTB3	MTR 5B SHELL

29501557 6S COP TRBB MEOP MWO ZHV6022 1316 ZACAB ZTB2-TZ/ Y N 00/00/00 00/00/00 05/25/96 F 4038

WORK REQUESTED ..: UNIT 2, STOP VALVE, BEFORED SEAT DRAIN IS LEAKING BY TO THE CONDENSER.
PLEASE INVESTIGATE AND REPAIR AS NECESSARY.

FOREMAN COMMENTS.: *
WORK INSTRUCTIONS: SEE ATTACHED PACKAGE INSTRUCTION SHEET

MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
ZHV6022	1316	ZACAB	ZTB2-T2/TD	LEVZX4DB197	G2	TURB DRAINS,STOP VALVE 4,BEFORE SEAT,DRN TO C

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

29501561 6S COP TRBC MEOP MWO 2FE14249 1304 ZAFBB X5DS1L03 Y N 00/00/00 00/00/00 00/00/00 F 4012

WORK REQUESTED ..: MSDT B TO MDT A FLOW ANNUBAR ROOT VALVE 2-1304-X4-744
IS LEAKING 30 DPM AT THE THREADED CONNECTION TO ANNUBAR.DOES NOT
APPEAR THAT VALVE CAN BE TIGHTENED WITHOUT REMOVING ANNUBAR FROM PIPE

FOREMAN COMMENTS.: **HAVE PACKAGE READY FOR FORCED OUTAGE OR MSR OUTAGE**
WORK INSTRUCTIONS: REMOVE TUBING, REMOVE VALVE, CLEAN THREADS, APPLY SEALANT AND REINSTAL
L. IF ANNUBAR HAS TO BE REMOVED TO PERFORM WORK, REMOVE AND REINSTALL
PER MANUAL AX5AG14-68. (LADDER REQUIRED) (LOCATED AT 235' MEZZ ON WES
T END TURB BLDG)

MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
2FE14249	1304	ZAFBB	X5DS1L03	ZX4DB163-3		MS DRN TK B TO HTR DRN TK
Z1304X4744	1304	ZAFBB	ZTB1	ZX4DB163-5	D6	FW HTR DRMS,MSDT B DRN,TO MDT A,FT-14249 RT,N

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

29501589 6S COP TRBC MEOP WC Z1304X4591 1304 ZAFBC ZTB2- Y N 00/00/00 00/00/00 00/00/00 F 4

WORK REQUESTED ..: LEAK REPAIR WAS INSTALLED BY MWO29501536 AND TEMP-MOD 95-V2T030,
REMOVE TEMP-MOD AND REWORK/REPLACE VALVE TO RESTORE VALVE

MWO NO.	ST	TYPE	TEAM	DISC	FORE	NUMBERS	MPL/TAG SYS	FEG	LOCATION	IND CLR	RWP	DATES SCH BEG	SCH END	REQUIRED	P2 CODE RFL	RFR	CONTROL	PRI

FOREMAN COMMENTS.: **
WORK INSTRUCTIONS: REPACK VALVE 21301X4806 PER 25039-C.
MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
21301X4904	1301	2ABCH	ZTB1	2X4DB160-002	M5	MAIN STEAM,TO MSR A,PI-16604 AMD,PT-6015 ROOT
21301X4806	1301	2ABCH	ZTB3	2X4DB160-2	M5	MAIN STEAM,TO MSR A,PRESS TEST,POINT,NC,*,*

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

29502351 6S COP I&CB ICOP ALL 2TE6275 1301 2ABAG ZTB1 W N 09/25/95 09/25/95 09/30/95 F 30
WORK REQUESTED ..: STEAM GENERATOR OUTLET HEADER TEMPERATURE INDICATION IS READING LESS THAN 535 DEGREES AND ACTUAL TEMPERATURE IS ABOVE 540 DEGREES. THIS CAUSES INACCURATE INDICATION OF STEAM GEN TEMP, YEILDING PLANT DIAGNOSTICS IMPOSSIBLE. THE IPC POINTS ARE T2001 AND T2002. PLEASE INVESTIGATE AND REPAIR AS NECESSARY
FOREMAN COMMENTS.: RER 95-0215 FORECAST FOR 10/31/95.WTG OUTAGE BECAUSE OF 2FV5200/5201 WILL BE AFFECTED WHEN PULLING OUT YLL CARD.***FORCED OUTAGE***
WORK INSTRUCTIONS: REWORK/REPLACE AS REQUIRED TO RESTORE LOOP TO OPERATIONAL CONDITION. SEE C. CHASTAIN IF ADDITIONAL INFO IS REQUIRED. (HE HAS GRAPHS OF THE DEGRADED CONDITION OF TEMP INPUTS. MAINTAIN ZONE IV CLEANLINESS TLW 9-21-95
MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
2TE6275	1301	2ABAG	ZTB1	2X4DB160-001		MAIN STM TO STOP VALVE
2TE6280	1301	2ABBF	ZTB1	2X4DB160-001		MAIN STM TO STOP VALVE
2TR6275	1301	2ABAG	ZCB164	2X4DB160-1	G2	MAIN STM TO STOP VALVE
2160405PCG	1604	ZSC01	ZCB164-			BOP CONTROL PANEL 1
2160405BCP	1604	ZSC01	ZCB164			BOP CONTROL PANEL 2

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

29502365 6D COP TRBB MEOP JLF 21305U4589 1305 ZADAD ZTB1 W 00/00/00 00/00/00 10/30/95 25 OS F 3025
WORK REQUESTED ..: ONE OR BOTH OF THESE VALVES (2-1305-U4-589 AND 2-1305-U4-590) ARE LEAKING BY THE SEAT INTO THE FLOOR DRAIN. INSULATION REMOVAL IS REQUIRED TO EVALUATE.
MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
21305U4589	1305	ZADAD	ZTB1	2X4DB168-000	D4	MFW,MFP A VENT,TO COND MISC,DRAIN TANK,NC,*,*
21305U4590	1305	ZADAD	ZTB1	2X4DB168-2	D4	AFW,MFP A VENT,TO MISC COND,DRAIN TANK,NC,*,*

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

29502484 8E CNP SHP MEOP OPS 2LV4Z39 1304 2AFCJ ZTB2 Y/ Y W 12/02/95 12/02/95 10/30/95 F 30
WORK REQUESTED ..: 2LV-4Z39 HAS A PACKING LEAK AND MAY HAVE A PIPING FLANGE LEAK. INSULATION WILL HAVE TO BE REMOVED TO INVESTIGATE.
FOREMAN COMMENTS.: *REPLACE FLANGE GASKETS AND REPACK
WORK INSTRUCTIONS: ADJUST PACKING PER 25036-C. IF PACKING CONTINUES TO LEAK REPACK PER 25039-C. REMOVE INSULATION PER 28002-C AND INVESTIGATE POSSIBLE FLANGE LEAK.
MAINTAIN ZONE IVHOUSEKEEPING CLASS "C" CLEANLINESS
MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
2LV4Z39	1304	2AFCJ	ZTB2 T/C-T/6	2X4DB163-7		FW HTR DRMS,HTR 3C OUT,DRAIN TO HTR,2C,AOV FO

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

MWO NO.	ST	TYPE	TEAM	DISC	FORE	NUMBERS	MPL/TAG SYS	FEG	LOCATION	IND CLR	RWP	DATES SCH BEG	SCH END	REQUIRED	P2 CODE RFL	RFR	CONTROL	PRI

29502490 6S COP TRBB MEOP JLF 21304P4002 1304 2AFBE ZTBA-T3/ N N 00/00/00 00/00/00 00/00/00 25 OS F 4014
WORK REQUESTED ..: LOWER PIPE PLUG ON MDP B STUFFING BOX HAS A SMALL STEAM LEAK.
WORK INSTRUCTIONS: SEAL WELD DRAIN PLUG. LHR 10/18/95
MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
21304P4002	1304	2AFBE	ZTBA-T3/TF	2X4DB163-4	B3	HEATER DRAIN PUMP B

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

29502735 6S COP TRBB MEOP ALL 21304U4190 1304 2AFCB ZTB2TF/T Y W 12/02/95 12/02/95 12/04/95 25 OS F 30
WORK REQUESTED ..: VALVE IS LEAKING ARROUND PIPE PLUG ON HINGE PIN ON NORTH SIDE OF VALVE INSULATION HAS BEEN REMOVED. SCAFFOLD WILL BE REQUIRED
VALVE IS LOC ON SECOND FLOOR SOUTH SIDE OF CONDENSER UNDER HTR DRAIN TANK
FOREMAN COMMENTS.: *SEAL WELD PIPE PLUG
*
WORK INSTRUCTIONS: REMOVE PIPE PLUG,CLEAN THREADS ON PLUG AND BODY THREADS. SEAL WELD PIPE PLUG PER WPCS 950978.
MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
21304U4190	1304	2AFCB	ZTB2TF/T4	2X4DB163-4	E7	FW HTR DRMS,MSDT C TO,MDT B LV-4522,INLET CHE

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION
2V500557	I	21304U4190	1304	2AFCB	2X4DB163-4	E7	2TB2TF/T4 FW HTR DRMS,MSDT C TO,MDT B LV

29502737 6S COP I&CB ICOP WLD 2PT10943 1206 2BKMB 2ABB131- W Y 11/29/95 11/29/95 12/22/95 F
WORK REQUESTED ..: PRESSURE INDICATES 1.12 PSIG BELOW 2PT10942. THOUGH WITHIN TOLERANCE IT APPEARS THE INSTRUMENT MAY NEED RECALIBRATION. 2PT-10942 INDICATION IS IN LINE WITH CURRENT NARROW RANGE PRESSURE INDICATION. THIS IS A T ECH SPEC INDICATOR
FOREMAN COMMENTS.: ***FORCED OUTAGE***
WORK INSTRUCTIONS: REWORK/RECALIBRATE LOOP 2P-10943 TO ENSURE LOOP REFLECTS CURRENT PLANT CONDITIONS. IF NECESSARY, REPLACE ALL DEFECTIVE COMPONENTS.
WORK IN CONJUCTION WITH SURVEILLANCE 24572-281 IF PERFORMED DURING REFUEL OUTAGE
MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
ILRT 2PT10943	1206	2BKMB	2ABB131-SE19M3	2X4DB131	F7	CONTAINMENT WIDE RANGE
2160405PP2	1604	ZSC02	ZCB164-			BOP PROTECTION CH 2 PANEL

CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

29502894 6D COP TRBA MEOP JRL 21301K4001LPC 1301 2ABCL ZTB3- W 00/00/00 00/00/00 00/00/00 25 OS F 4028
WORK REQUESTED ..: THERE IS A SMALL OIL LEAK ON THE SOUTH SIDE OF THE SHAFT ON THE WEST END OF LOW PRESSURE TURBINE "C". LEAK IS ON BOLTED FLANGE ON COVER,6TH BOLT UP FROM DECKING.
MPL/TAG ....:

MPL/TAG	SYS	FEG	LOCATION	P&ID		OPS DESCRIPTION
21301K4001LPC	1301	2ABCL	ZTB3-	2X4DB168-2	E7	LOW PRESSURE TURBINE C

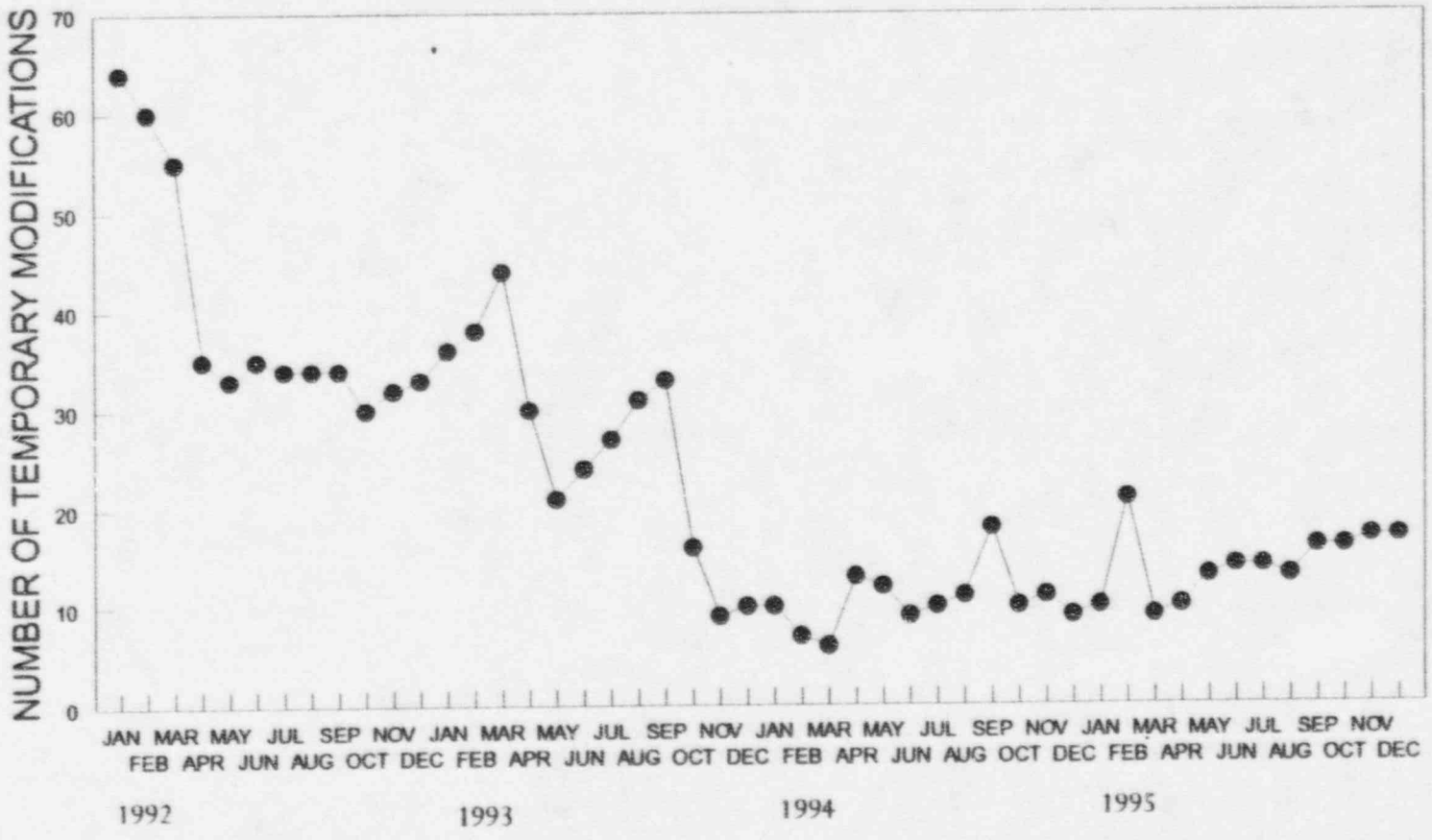
CLEARANCE ..:

CLEAR #	STA	MPL/TAG	SYS	FEG	P&ID	LOCATION	OPS DESCRIPTION

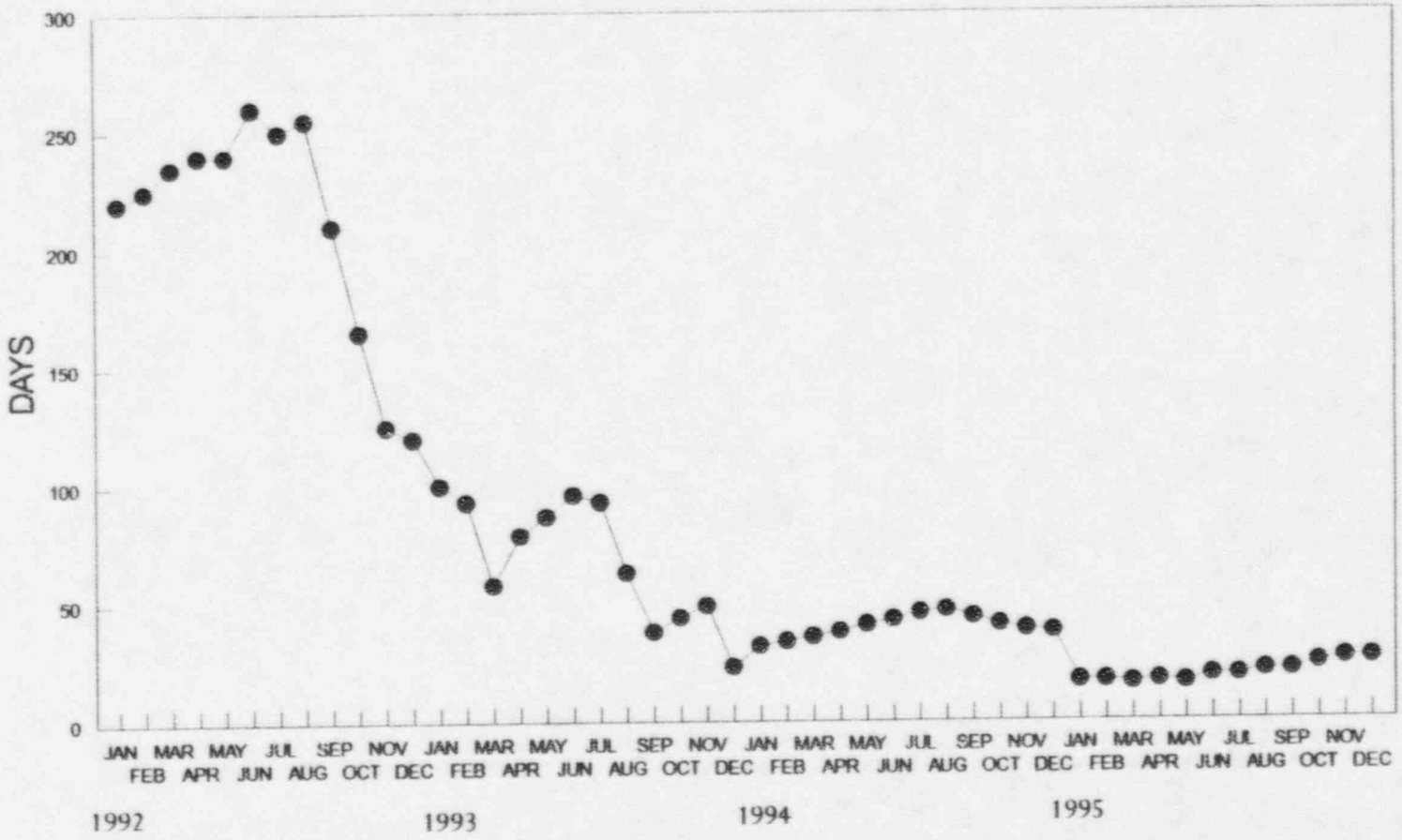
**** SECTION TOTAL 51

Temporary Modifications

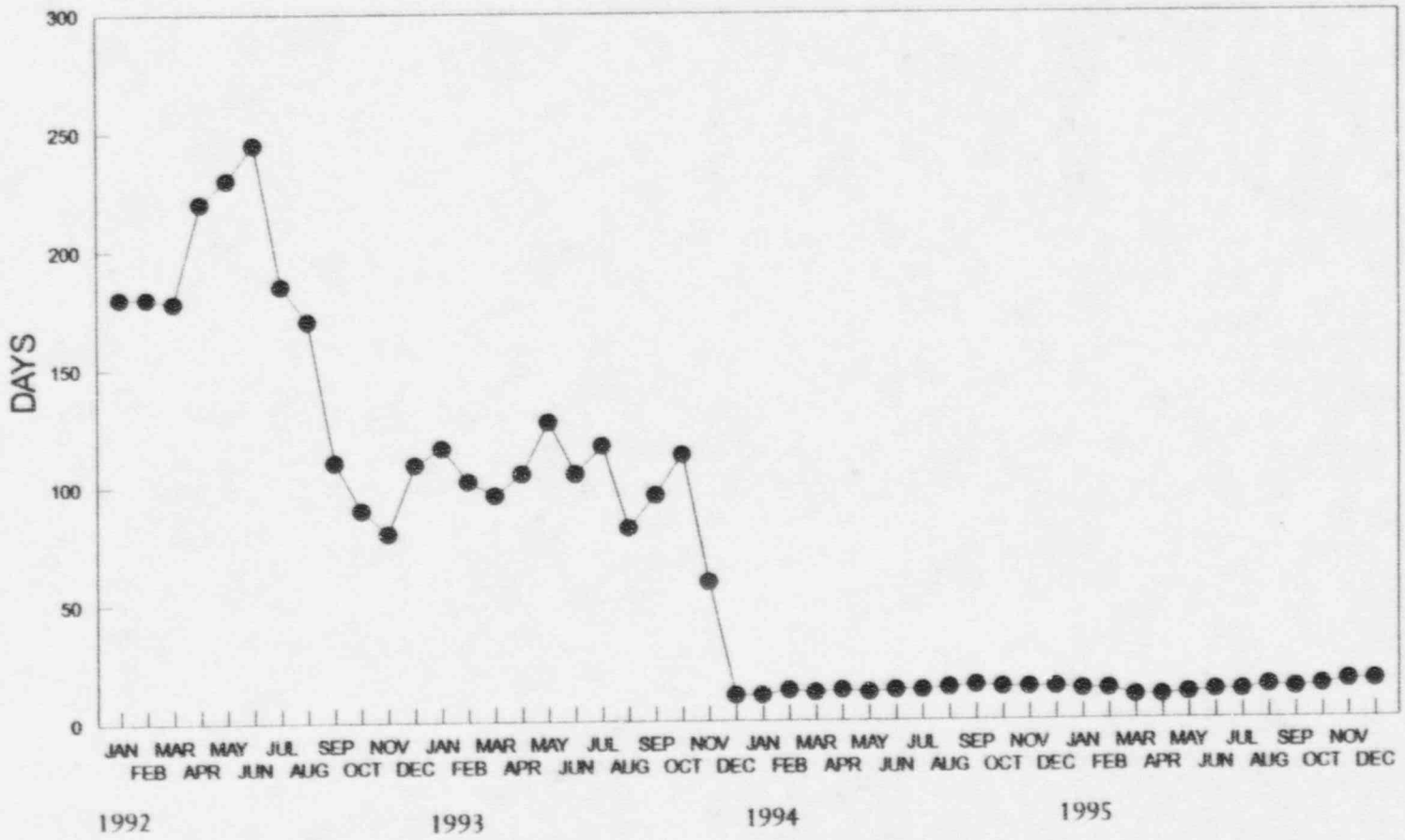
Note: Spring and Fall peaks occur due to additional requests for TMs during refueling outages



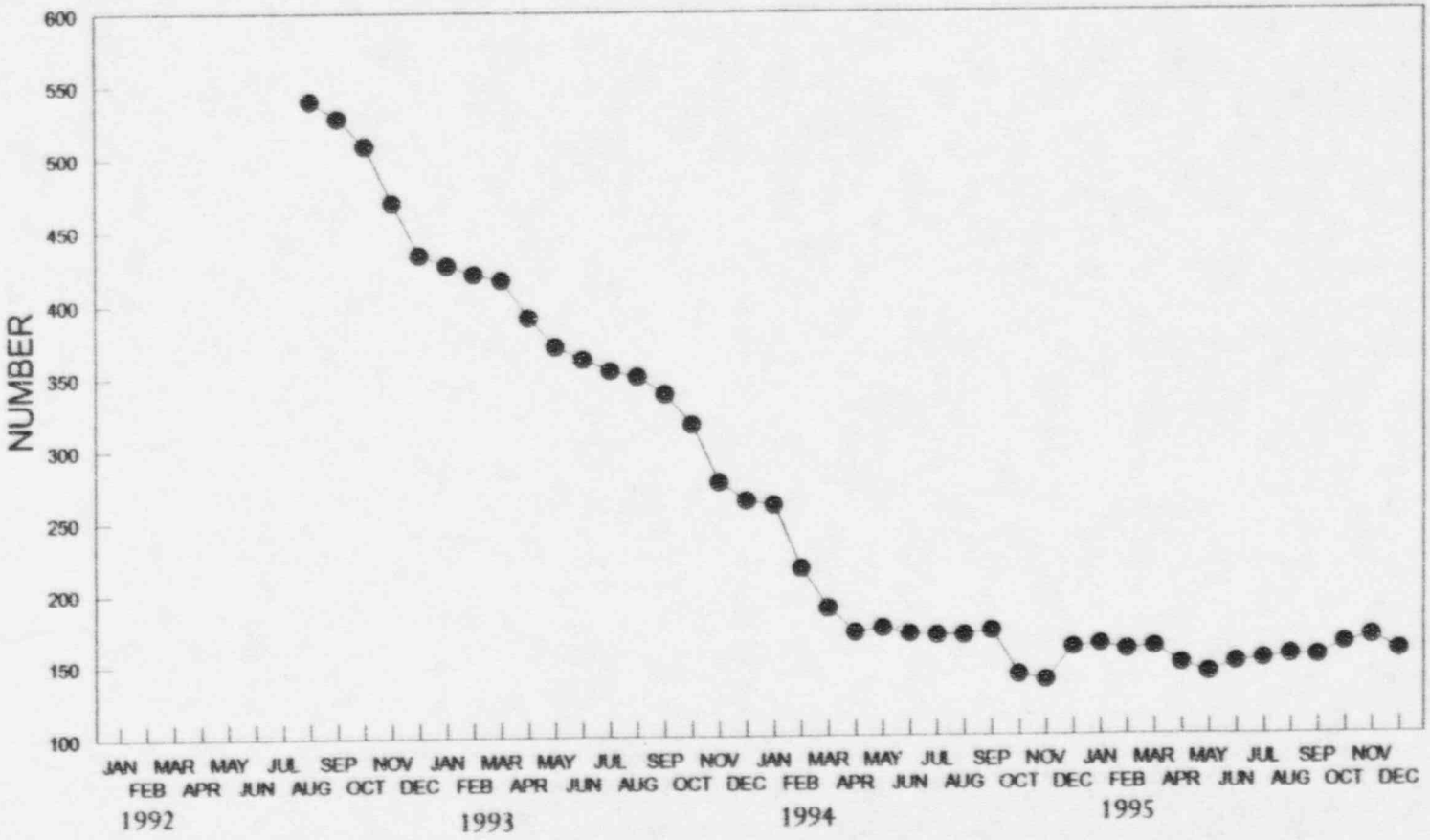
RER Average Age



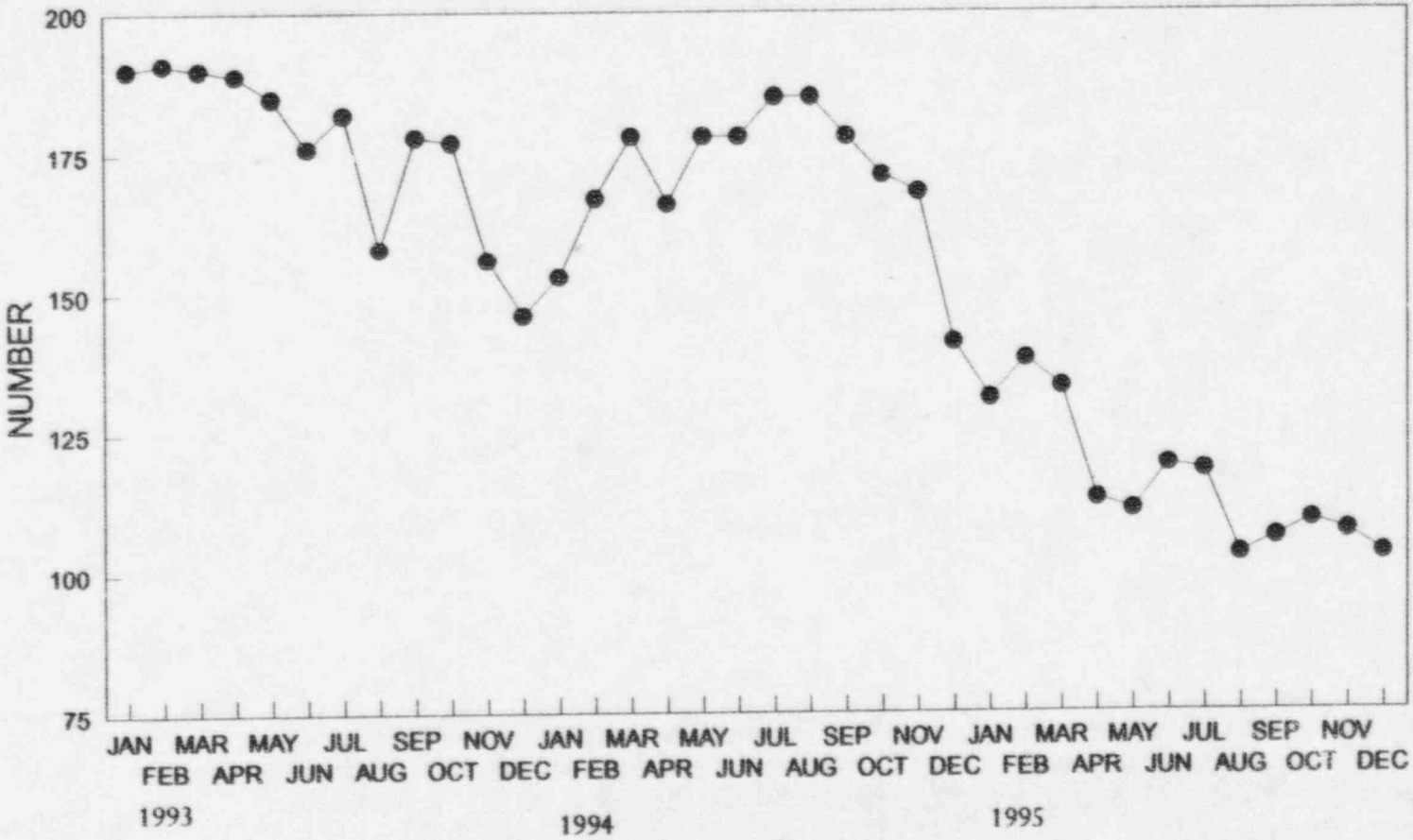
7P MWO Average Age



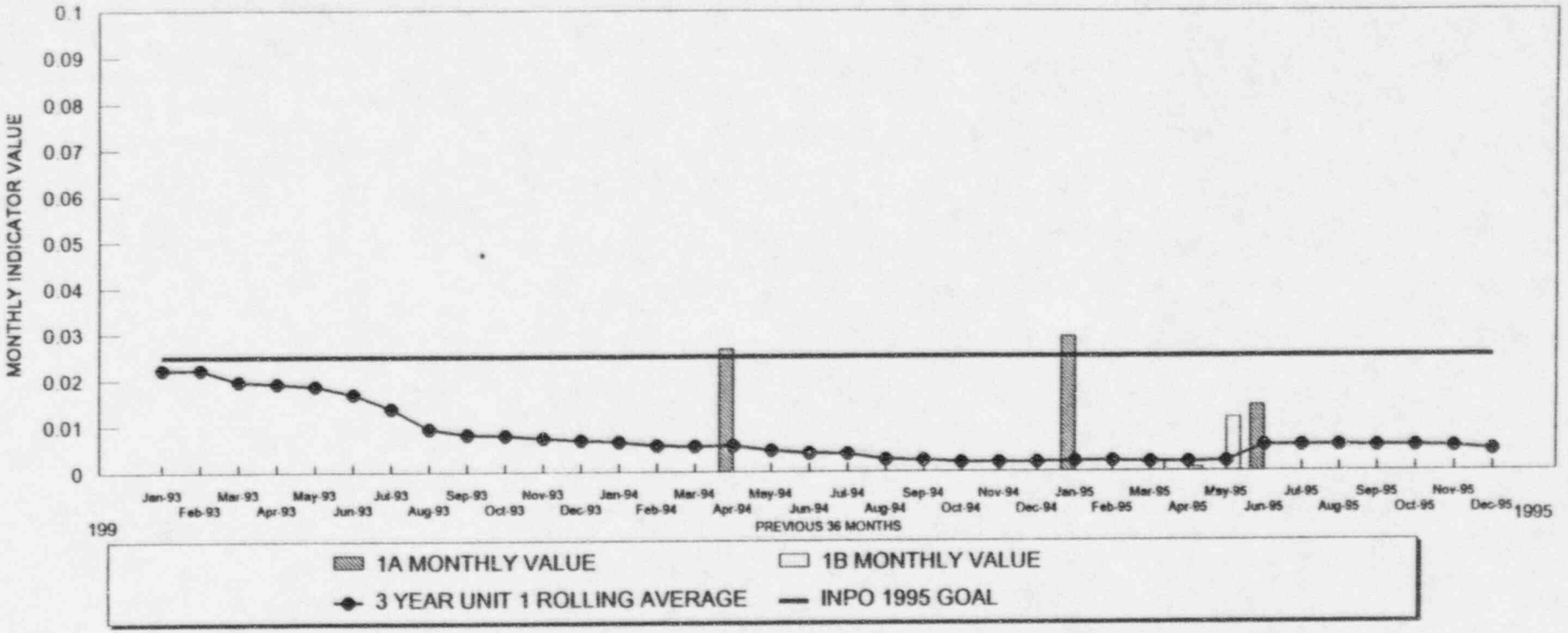
Open DCRs


NUMBER
600
550
500
450
400
350
300
250
200
150
100
JAN MAR MAY JUL SEP NOV JAN MAR MAY JUL SEP NOV JAN MAR MAY JUL SEP NOV JAN MAR MAY JUL SEP NOV
FEB APR JUN AUG OCT DEC FEB APR JUN AUG OCT DEC FEB APR JUN AUG OCT DEC FEB APR JUN AUG OCT DEC
1992
1993
1994
1995

Open MDCs


200
175
150
125
100
75
NUMBER
JAN MAR MAY JUL SEP NOV JAN MAR MAY JUL SEP NOV JAN MAR MAY JUL SEP NOV
FEB APR JUN AUG OCT DEC FEB APR JUN AUG OCT DEC FEB APR JUN AUG OCT DEC
1993
1994
1995

UNIT 1 DIESEL GENERATOR SAFETY SYSTEM PERFORMANCE INDICATOR



SSPI = [(known unavailable hours + estimated unavailable hours)/(hours system required X number of trains)]

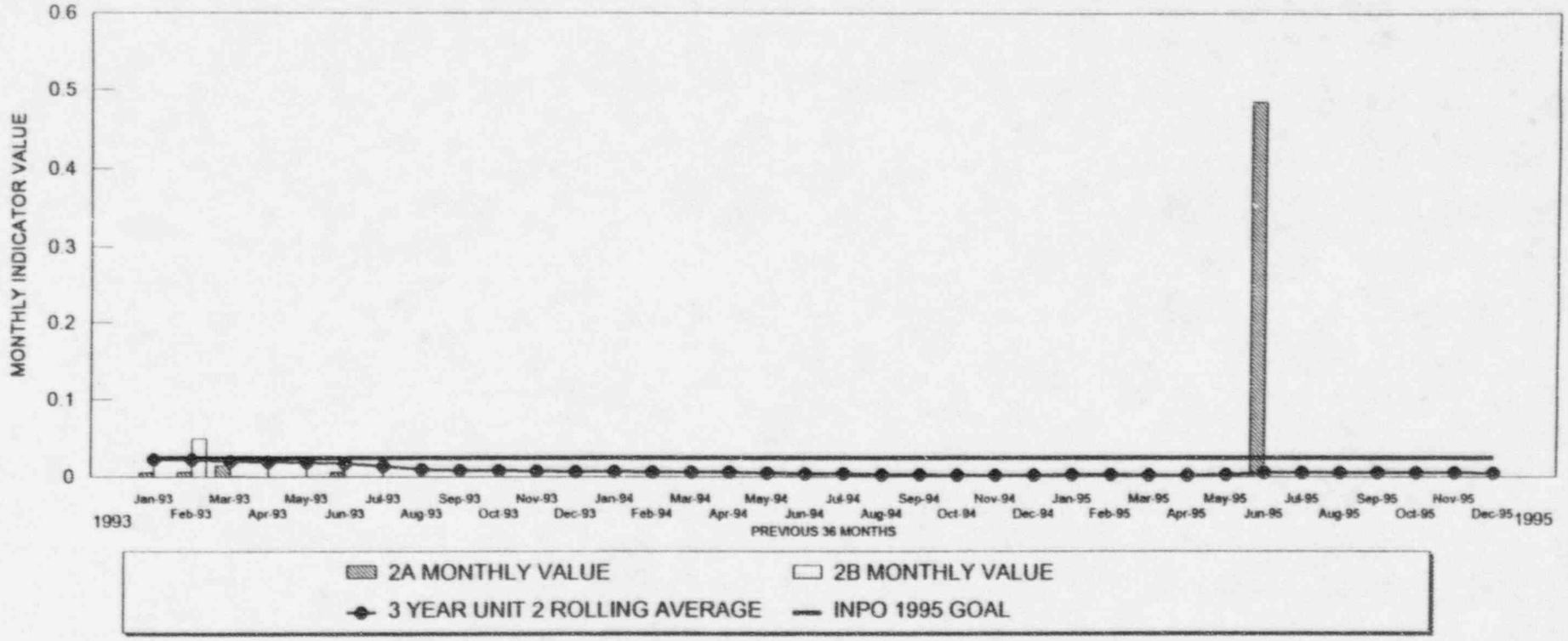
DEFINITION:
The safety system performance indicator is defined as the sum of the unavailabilities, due to all causes, of the emergency generator during a time period. For emergency generators unavailability is recorded only when the emergency generator is unavailable to produce emergency AC power.

Unavailability is defined as that fraction of time that a generator is unable to perform its intended function when it is required to be available for service. Emergency generators are considered to be required at all times.

YEAR TO DATE VALUES

DIESEL	1992	1993	1994	1995	1995 3 YR.
1A	0.0085	0.0000	0.0022	0.0063	0.0028
1B	0.0000	0.0000	0.0000	0.0016	0.0005

UNIT 2 DIESEL GENERATOR SAFETY SYSTEM PERFORMANCE INDICATOR



SSPI = [(known unavailable hours + estimated unavailable hours)/(hours system required X number of trains)]

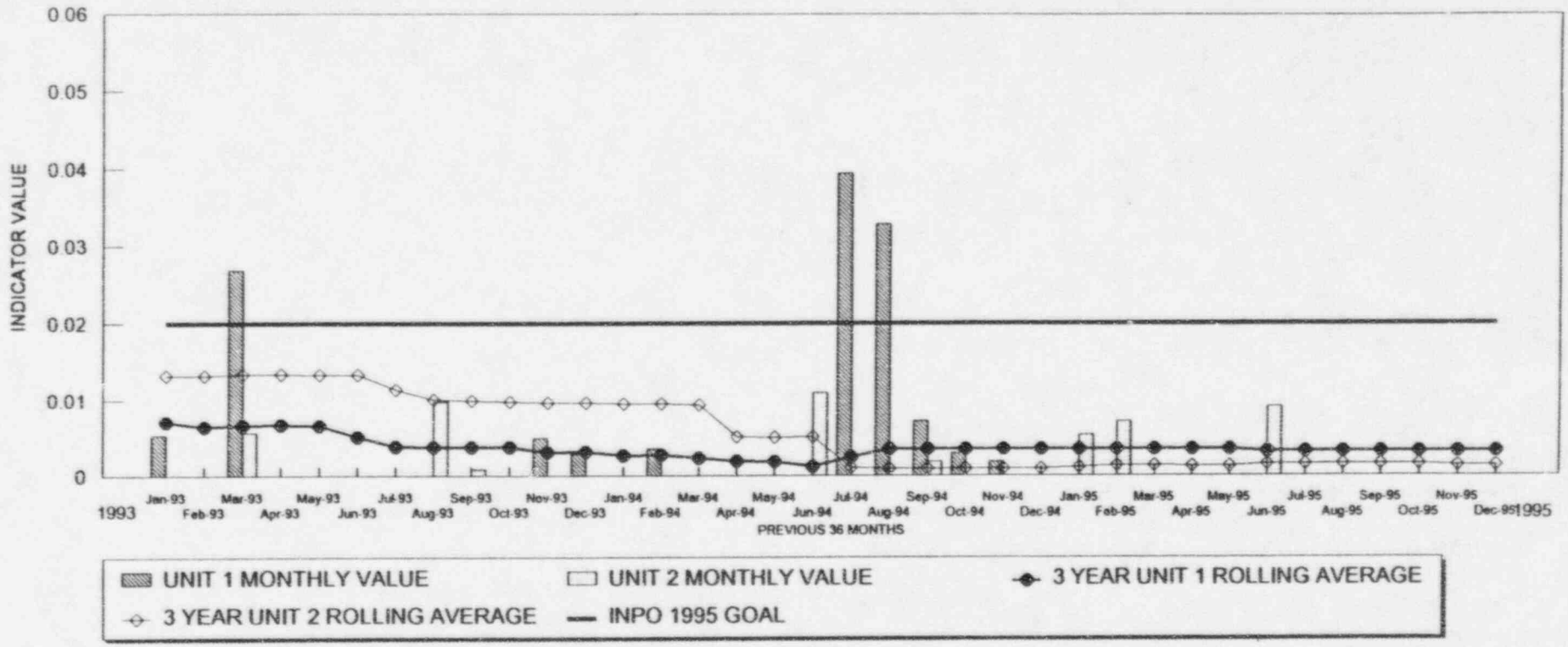
DEFINITION:
The safety system performance indicator is defined as the sum of the unavailabilities, due to all causes, of the emergency generator during a time period. For emergency generators unavailability is recorded only when the emergency generator is unavailable to produce emergency AC power.

Unavailability is defined as that fraction of time that a generator is unable to perform its intended function when it is required to be available for service. Emergency generators are considered to be required at all times.

YEAR TO DATE VALUES

DIESEL	1992	1993	1994	1995	1995 3 YR
2A	0.0056	0.0026	0.0000	0.0402	0.0143
2B	0.0014	0.0038	0.0001	0.0009	0.0016

HIGH HEAD SAFETY INJECTION SAFETY SYSTEM PERFORMANCE INDICATOR



SSPI = [(known unavailable hours + estimated unavailable hours)/(hours system required X number of trains)]

DEFINITION:
The safety system performance indicator is defined as the sum of the unavailabilities, due to all causes, of the components in the system during a time period, divided by the number of trains in the system.

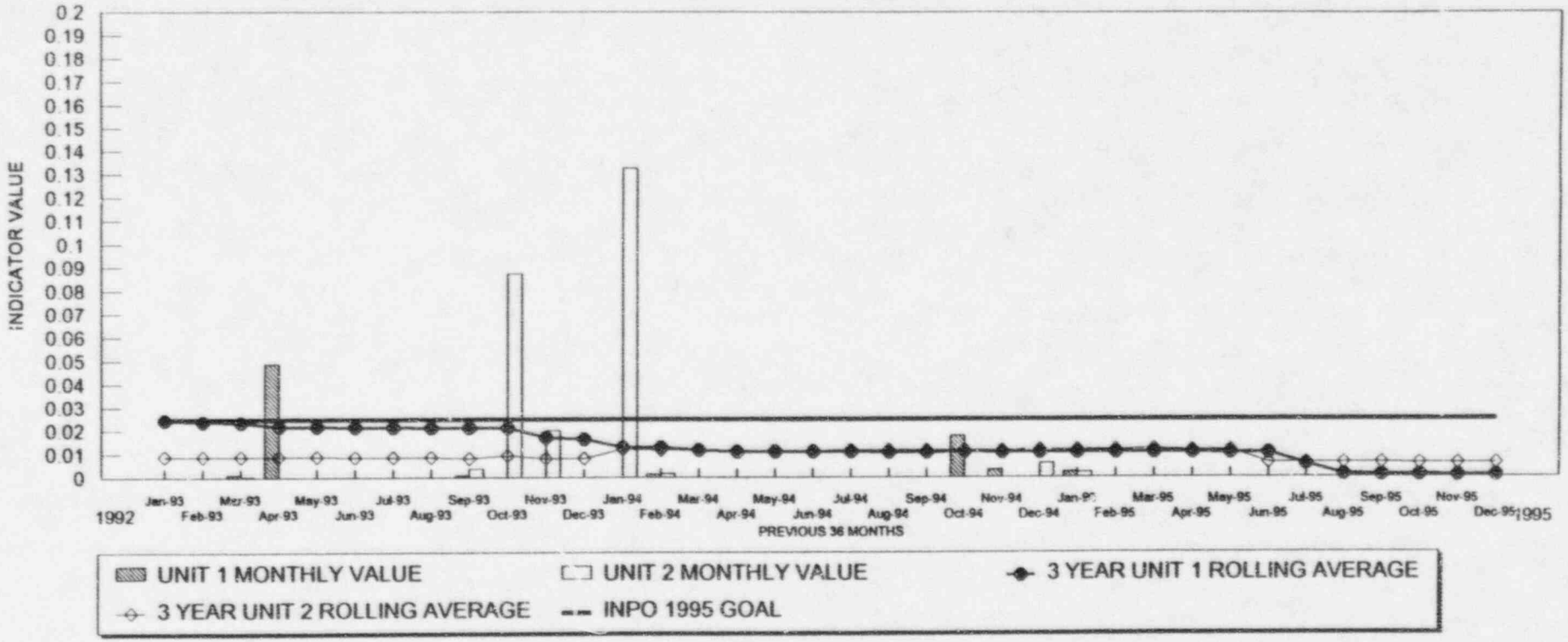
Unavailability is defined as that fraction of time that a component is unable to perform its intended function when it is required to be available for service. High head safety injection is considered to be required when the reactor is critical.

The high head safety injection system has four trains, 2 centrifugal charging and 2 safety injection. Additionally RHR unavailability counts on a component basis but not as a separate train.

YEAR TO DATE VALUES

UNIT	1992	1993	1994	1995	1995 3 YR
1	0.0008	0.0029	0.0076	0.0004	0.0034
2	0.0006	0.0015	0.0007	0.0019	0.0014

AUXILIARY FEEDWATER SAFETY SYSTEM PERFORMANCE INDICATOR



SSPI = [(known unavailable hours + estimated unavailable hours)/(hours system required X number of trains)]

DEFINITION:
The safety system performance indicator is defined as the sum of the unavailabilities, due to all causes, of the components in the system during a time period, divided by the number of trains in the system.

Unavailability is defined as that fraction of time that a component is unable to perform its intended function when it is required to be available for service. Auxiliary feedwater is considered to be required when the reactor is critical.

The auxiliary feedwater system has three trains, 2 motor driven pumps and 1 turbine driven.

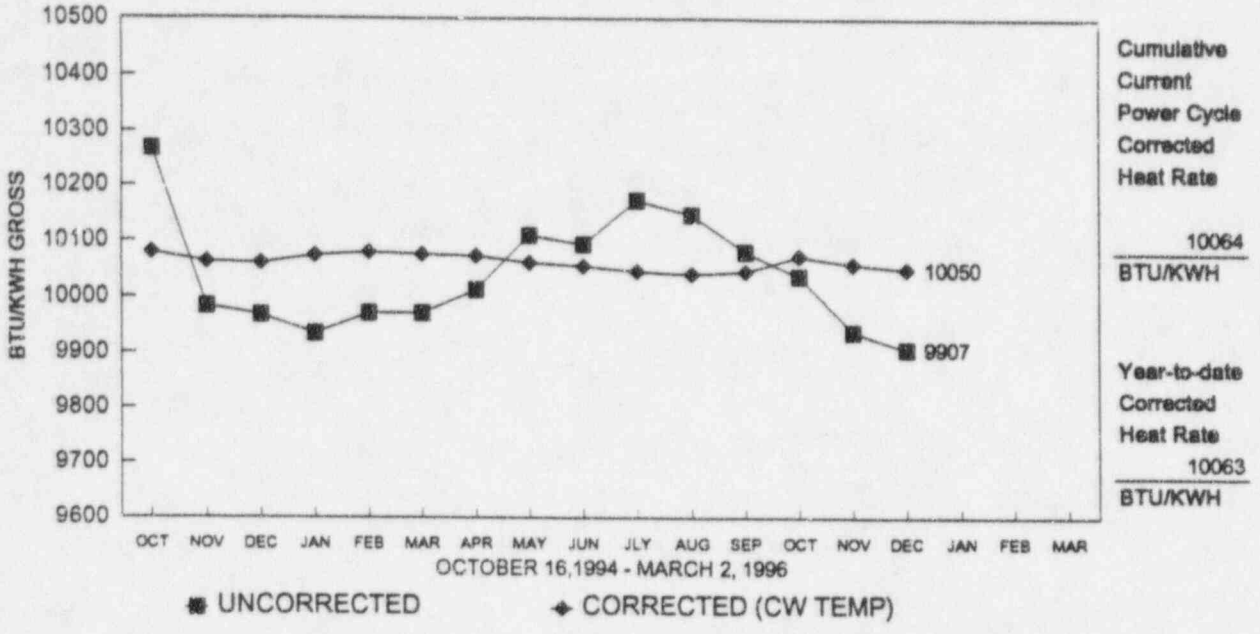
YEAR TO DATE VALUES

UNIT	1992	1993	1994	1995	1995 3 YR
1	0.0285	0.0009	0.0013	0.0006	0.0009
2	0.0177	0.0057	0.0124	0.0003	0.0062

FIGURE 4

UNIT 1 MONTHLY GROSS HEAT RATE

CYCLE 6 BASIS

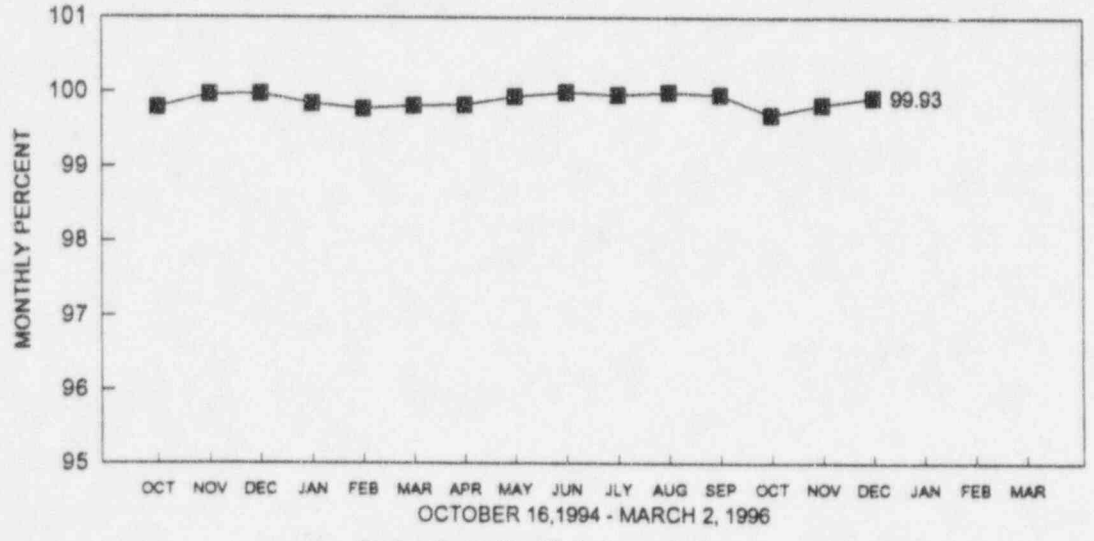


Cumulative Current Power Cycle Corrected Heat Rate
10064
BTU/KWH

Year-to-date Corrected Heat Rate
10063
BTU/KWH

UNIT 1 THERMAL PERFORMANCE INDICATOR

CYCLE 6 BASIS



Cumulative Current Power Cycle
99.88%

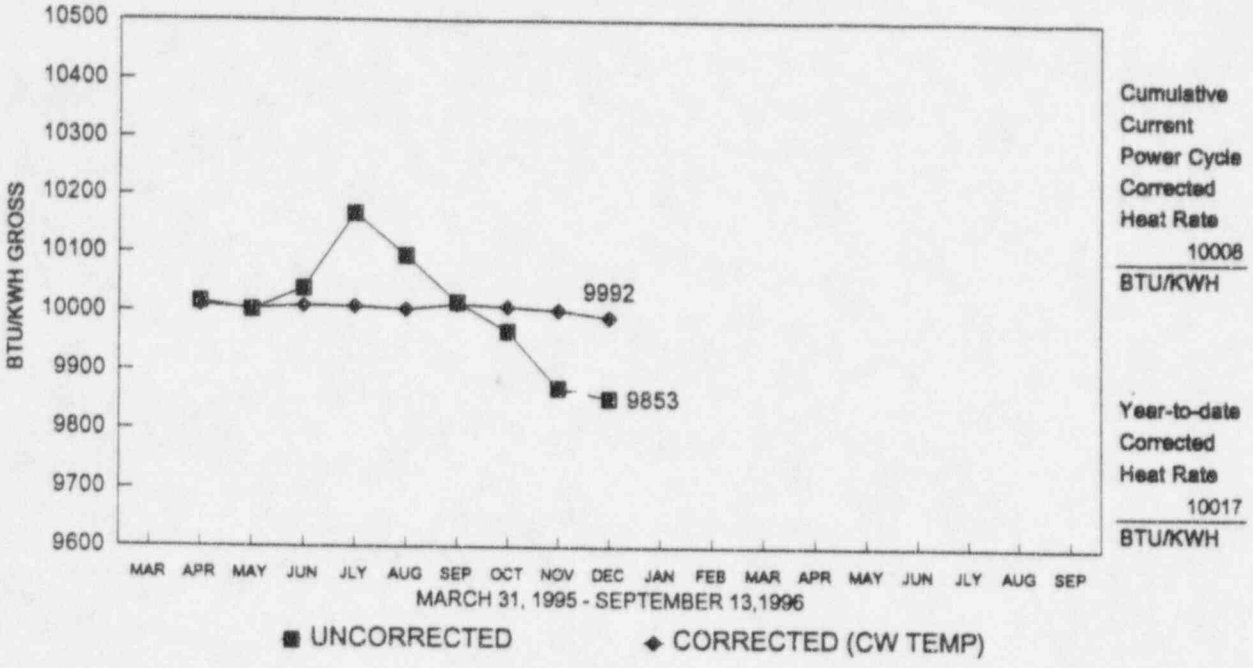
Year-to-date
99.88%

$$TPI = \frac{\text{Design Gross Heat Rate (corrected)}}{\text{Adjusted Actual Gross Heat Rate}} \times 100$$

FIGURE 5

UNIT 2 MONTHLY GROSS HEAT RATE

CYCLE 5 BASIS

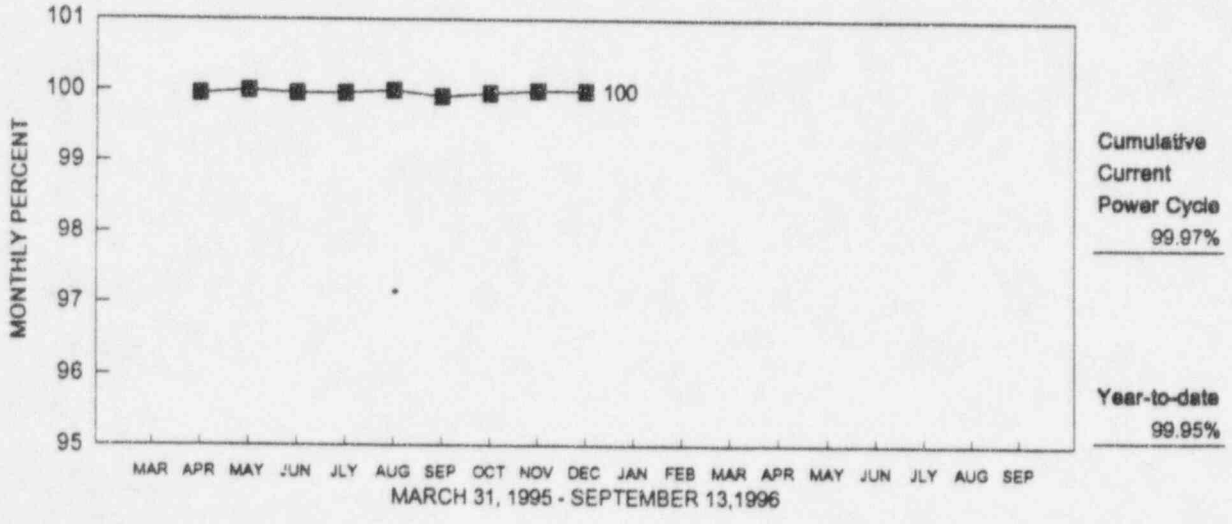


Cumulative Current Power Cycle Corrected Heat Rate
10008
BTU/KWH

Year-to-date Corrected Heat Rate
10017
BTU/KWH

UNIT 2 THERMAL PERFORMANCE INDICATOR

CYCLE 5 BASIS



Cumulative Current Power Cycle
99.97%

Year-to-date
99.95%

$$TPI = \frac{\text{Design Gross Heat Rate (corrected)}}{\text{Adjusted Actual Gross Heat Rate}} \times 100$$

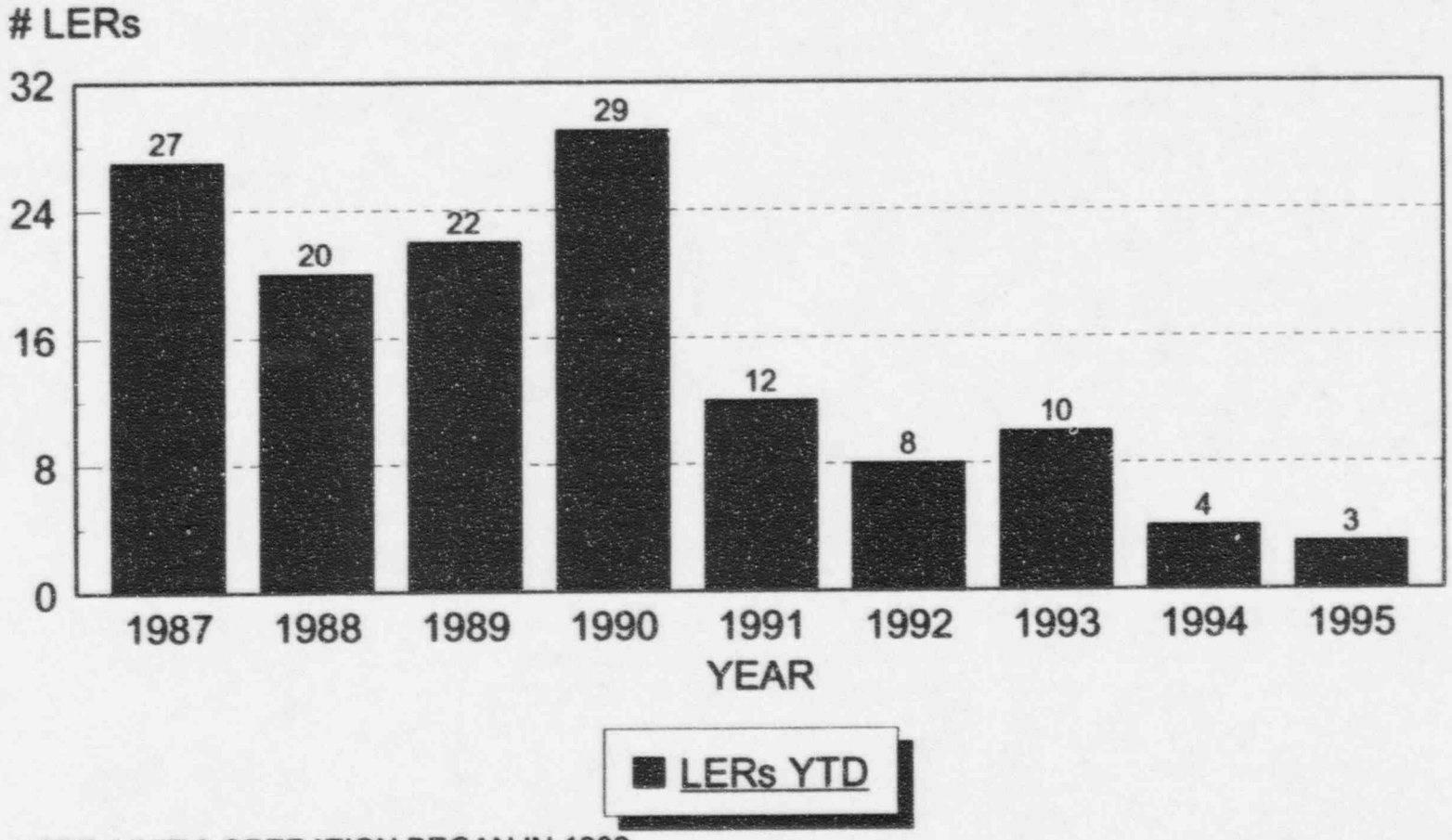
NOTE: There are no March values for heat rate or Thermal Performance Indicator since the unit did not operate at above 80% power during the month.

Improved Tech Specs
Status Report

Report Date: Thursday, January 11, 1996

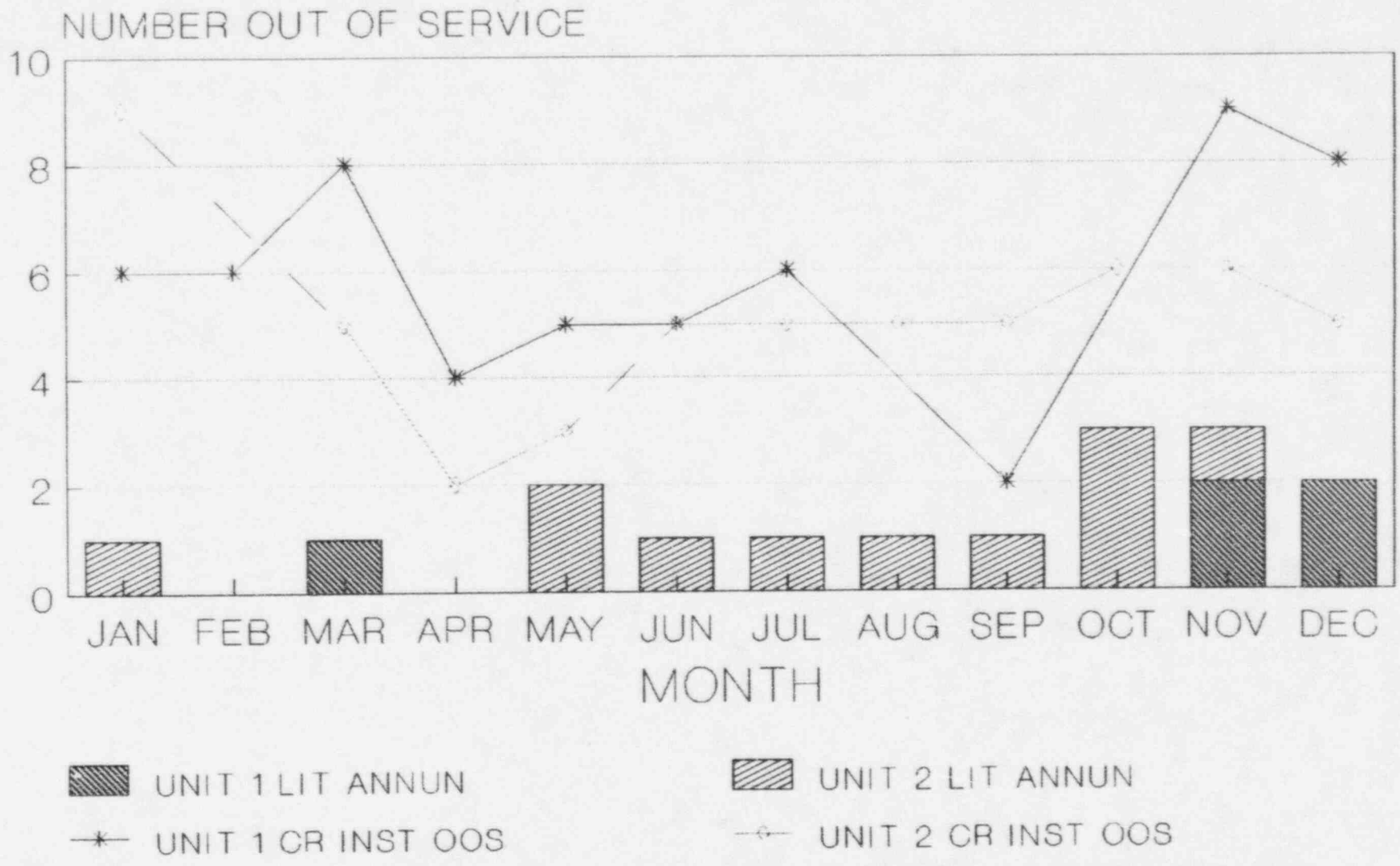
Responsible Management	Responsible Department	Procedure Revision Status		
		Planned for 01/10	Complete on 01/10	Total to revise
Plant Operations	Chemistry/HP	29	29	29
	Maintenance	390	397	669
	Operations	234	225	580
	Outage/Plan	0	0	0
Subtotal		653	651	1278
Plant Support	Eng Support	37	38	56
	Plant Mods	0	0	0
	Plant Admin	0	0	0
	Security	0	0	0
	NSAC	5	5	16
	Training	0	0	0
Subtotal		42	43	72
Other	ISEG/SAER	0/0	0/0	0/0
	Management	0	0	0
	Corporate	0	0	2
Total		695	694	1352

PLANT VOGTLE
PERSONNEL ERROR LERs

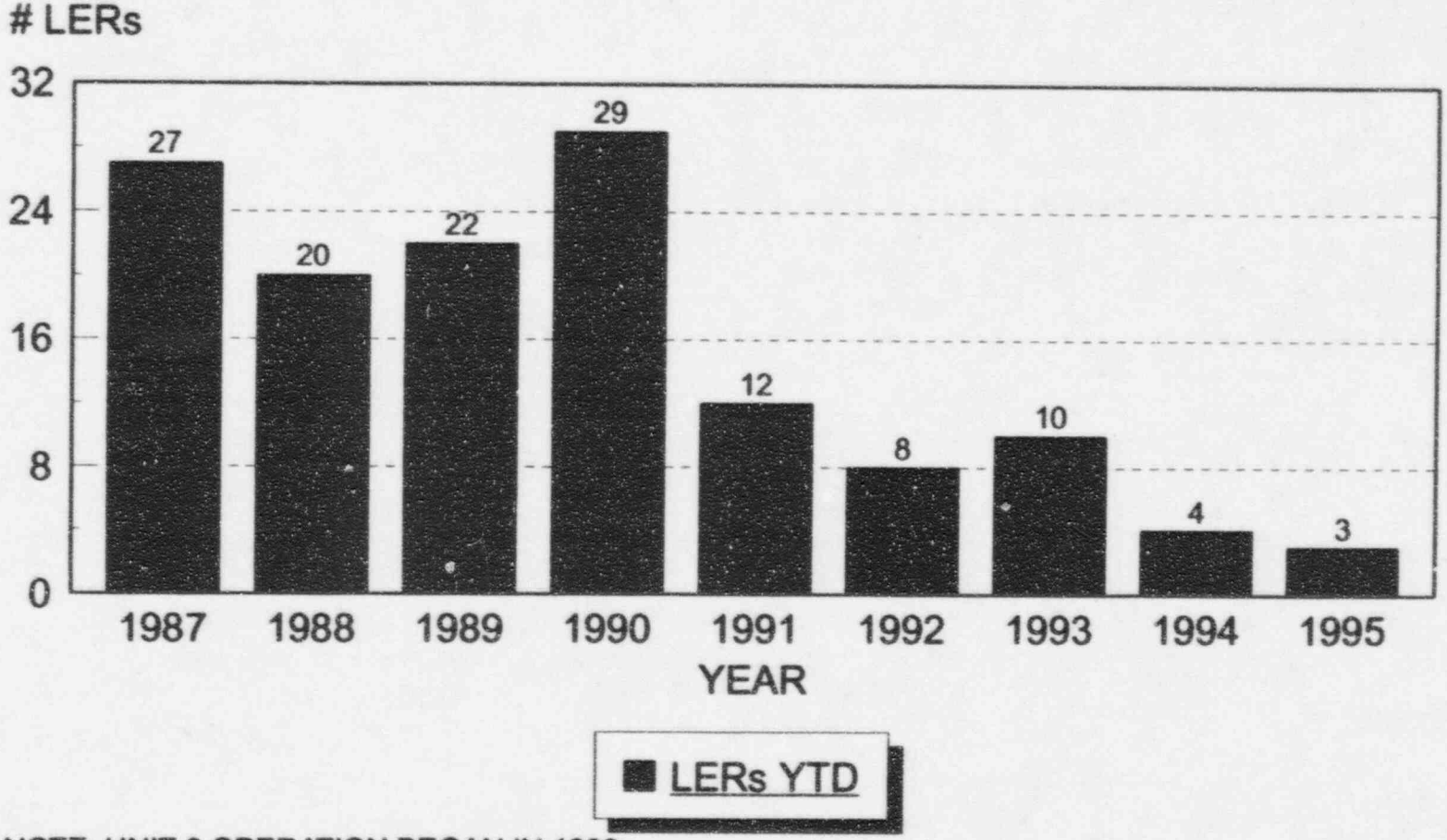


NOTE: UNIT 2 OPERATION BEGAN IN 1989
(LERPE)

CONTROL ROOM INSTRUMENTS & ANNUNCIATORS
WORK EFFICIENCY INDICATORS



PLANT VOGTLE
PERSONNEL ERROR LERs



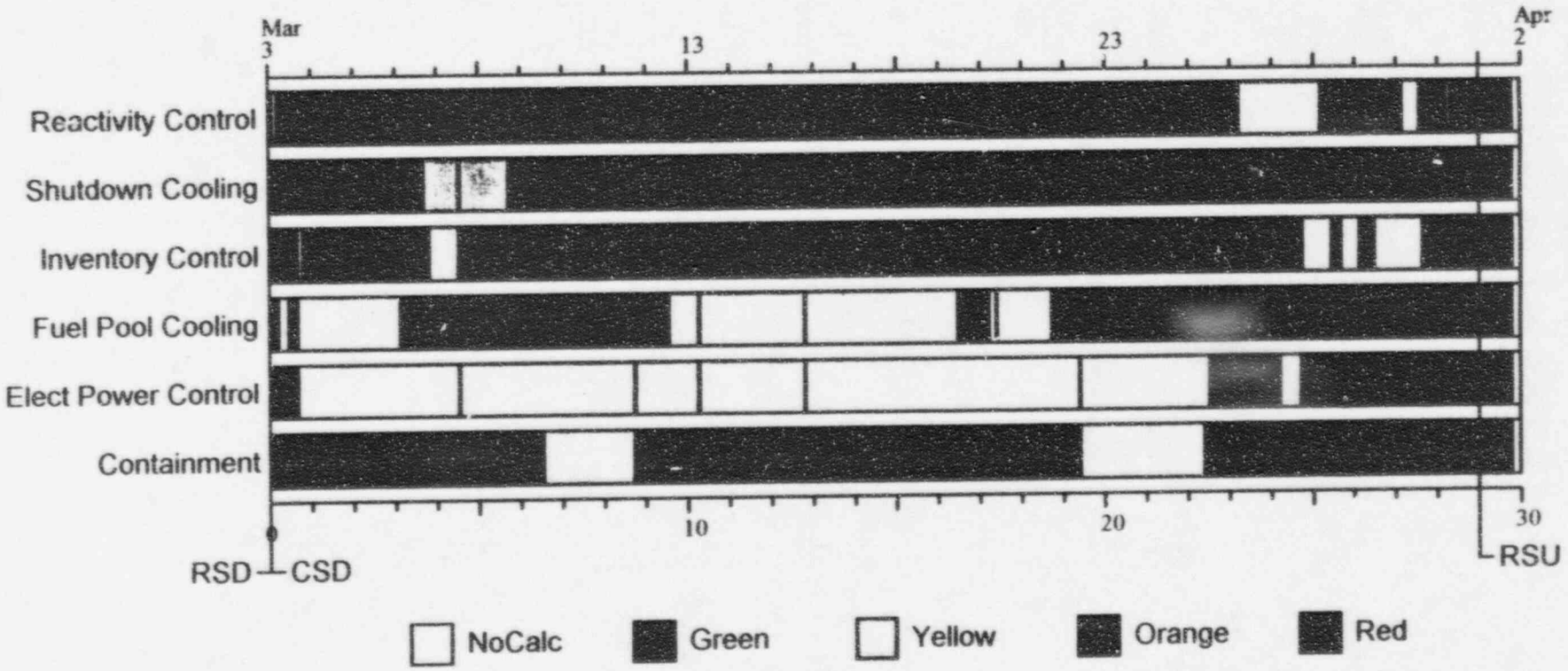
NOTE: UNIT 2 OPERATION BEGAN IN 1989
(LERPE)

Management Attention Items

Report Date: 01/09/96

Responsible Management	Responsible Department	Open Item/ Commitment Tracking Program		Improved Tech Specs Open Items Status		Deficiency Card Status	
		Late on 01/08	Due on 01/15	Due on 12/01	Closed 01/08	Late on 01/08	Cards Open
Plant Operations	Chemistry/HP	0	2	0	41	0	0
	Maintenance	6	19	148	64	0	6
	Operations	7	12	312	5	0	1
	Outage/Plan	1	4	0	3	0	2
Subtotal		14	37	460	113	0	9
Plant Support	Eng Support	2	12	110	20	0	6
	Plant Mods	0	3	0	0	0	0
	Plant Admin	1	4	0	0	0	0
	Security	1	1	0	0	0	0
	NSAC	0	2	10	6	0	32
	Training	4	6	0	0	0	0
Subtotal		8	28	110	26	0	38
Other	ISEG/SAER	0/0	2/1	0/0	0/0	0/0	0/0
	Pit Crew	0	0	0	0	0	0
	Management	0	1	0	0	0	0
	Corporate	4	10	2	0	0	0
Total		26	79	572	139	0	47

Distribution: JBB
WFK
JTG
MS
JLG
file


Mar
3
13
23
Apr
2
Reactivity Control
Shutdown Cooling
Inventory Control
Fuel Pool Cooling
Elect Power Control
Containment
10
20
30
RSD
CSD
RSU
NoCalc
Green
Yellow
Orange
Red