

CATAWBA NUCLEAR STATION

I. SCOPE AND OBJECTIVES

A. Scope

The 1993 Catawba Nuclear Station annual exercise is designed to meet the exercise requirements of 10CFR50, Appendix E, Section IV.F. The exercise will be conducted during the week of May 24 1993.

This exercise will involve participation of Catawba Nuclear Station emergency response personnel. The States and Counties will receive communications only. The Emergency Operations Facility (EOF) will participate.

This exercise will be an off-hours unannounced drill to include staff augmentation.

The Annual Fire Drill will be part of the annual exercise. The Annual Medical Drill will also be conducted during annual exercise week.

A formal critique including Duke Power and NRC will be held on May 28, 1993, at 10:00 a.m. at Catawba Nuclear Station. This critique will be closed to the public.

B. Exercise Objectives (Duke Power Company Emergency Organization)

Emergency Management

1. Demonstrate the ability to declare emergency classification in accordance with procedures.
2. Demonstrate the ability to notify the States and Counties within fifteen minutes after declaring an emergency or after changing the emergency classification.
3. Demonstrate proper use of the message format and authentication methodology for messages transmitted to States and Counties.
4. Demonstrate the ability to alert, notify, and staff the TSC, OSC and EOF facilities after declaring an Alert or higher emergency class.
5. Demonstrate precise and clear transfer of responsibility from the Shift Supervisor in the Control Room to the Emergency Coordinator in the TSC.
6. Demonstrate the ability to notify NRC not later than one hour after declaring one of the emergency classes.

7. Demonstrate assembly of station personnel within 30 minutes in a simulated emergency and provide accountability for any not present at the assembly locations.
8. Test communications equipment among on-site emergency facilities including plant extensions and intercoms.
9. Test off-site communications equipment to the County and State warning points, County and State emergency operations centers and to NRC including the Selective Signaling System and the NRC Emergency Notification System.
10. Test the adequacy and operability of emergency equipment/supplies.
11. Evaluate the adequacy of the following assessment tools, as applicable:
 1. Drawings
 2. Data Display
 3. Maps
12. Demonstrate precise and clear transfer of responsibility from the Emergency Coordinator in the TSC to the Emergency Operations Facility Director.

Accident Assessment

13. Demonstrate the ability to transmit data using the Emergency Operations Facility Data Transmittal System in accordance with procedures and to distribute this data throughout the EOF.
14. Demonstrate the ability to provide data to the TSC and OSC in accordance with station procedures.
15. Demonstrate the ability to locate a simulated, radioactive plume and to measure the off-site radiation levels.
16. Demonstrate adequate radio communications between the off-site monitoring teams and the TSC/EOF.
17. Demonstrate the ability to develop off-site dose projections in accordance with procedures.
18. Demonstrate the ability to collect soil, water and vegetation samples in accordance with procedures.

19. Demonstrate the ability to continuously monitor and control emergency worker exposure.
20. Demonstrate the ability to determine on-site radiation levels and airborne radioiodine concentrations.

Protective Action Recommendations

21. Demonstrate the ability to provide timely and appropriate protective action recommendations to off-site officials in accordance with station procedures.

Plant Operations

22. Demonstrate the ability to assess the incident and provide mitigation strategies.

Fire Drill

23. Demonstrate proper plant personnel response to a simulated fire emergency and timely backup assistance from the off-site fire support agency.

Medical Drill

24. Demonstrate proper response to a simulated medical emergency involving a contaminated patient in accordance with station procedures.

Other

25. Demonstrate resolution of previous exercise findings (weaknesses, deficiencies) identified by evaluators, QA, or NRC, as applicable.

Schedule of Events

<u>Date</u>	<u>Time</u>	<u>Place</u>	<u>Event/Attendance Required</u>
05/18/93	1300-1600	CNS Meeting Building	Controller Training/ All Controllers/Evaluators
05/25/93	1400	CNS - Admin. 127	NRC Team Briefing/Selected Scenario Team Members
05/26/93	1700-1800	CNS TSC	Pre-Exercise Briefing/ Station Controllers
05/26/93	1700-1800	EOF (PB-1237)	Pre-Exercise Briefing/EOF & News Group Controllers
05/26/93	1900-2300	CNS and EOF	Exercise
05/26/93	2300-2400	CNS and EOF	Player Critique/ All Controllers
05/27/93	0900-1100	EOF (PB-1237)	Controller Critique/ EOF Controllers
05/27/93	0900-1100	CNS TSC	Controller Critique/ Station Controllers
05/27/93	1500	CNS - 153A & B	Controller Critique/ All Controllers
05/28/93	1000	CNS - 153A	NRC Critique/ Selected Controllers*

* Controllers that will need to attend the NRC Critique will be determined at the Controller Critique on 5/27/93 at 1500.

II. CONDUCT OF EXERCISE

A. Exercise Organization

The Exercise Organization is made up of controllers, evaluators, observers, and players as described below.

Controller/Evaluators

Controllers and evaluators are assigned to specific locations and/or groups as described in part B of this section.

Controllers and evaluators are selected based on their expertise or qualifications to evaluate their assigned area.

In many instances, one person may serve in a dual capacity as both controller and evaluator. Duke Power controllers and evaluators will be identified by wearing armbands.

Controllers are responsible for:

- 1) Maintaining action according to the scenario
- 2) Providing input messages and data.

Simulated plant parameters and emergency messages will be provided by the controllers to the players as appropriate. These messages and data are shown in the appendices of this plan.

Evaluators are responsible for:

- 1) Observing players as they work in their specialized functions
- 2) Compiling observations and judgments onto the evaluation forms
- 3) Generating 'good practices' and/or 'action items,' as appropriate.

Evaluators will observe players response to the messages and data sheet they are given. Each evaluator should generate a chronology of events observed throughout the exercise. Following the exercise evaluation sheets should be completed and action items and/or good practices developed.

Observers

Observers from various Duke Power organizations, other utilities, and local and state officials may be authorized to observe various aspects of the exercise. Participation will be limited to observing player actions only. Observers should not interact with players during the exercise.

Observers will be identified by wearing armbands.

Requests to participate as observers at Duke Power Company facilities must be submitted to:

G. L. Mitchell
Emergency Planner
Duke Power Company
Catawba Nuclear Station
4800 Concord Road
York, SC 29745

or call (803)831-3235.

Players

Players include all station and other Duke Power Company personnel assigned to perform functions of the emergency plans, including: Control Room personnel, Technical Support Center personnel, Operations Support Center personnel, Emergency Operations Facility personnel and other Company personnel that may be assigned as players.

The success of the exercise is largely dependent on player reaction and their knowledge of the emergency plan and procedures. Some information and situations affecting player reaction will exist at the time the exercise begins; however, most will be introduced by the controller/evaluators throughout the course of the exercise. Players are responsible for initiating actions during the exercise according to the procedures, responsibilities, and tasks outlined for their particular function in the emergency plan and implementing procedures.

Players should react to scenario information as it is presented to them. During the exercise is not the appropriate time to critique and comment on scenario data or information. This does not mean, however, that questions cannot be asked of controllers to provide clarification, if needed.

INITIAL PL AYER LOCATIONS

Simulator

Shift Supervisor

Unit Supervisor

OATC

BOP

Shift Manager

Extra RO

Shift Support Technician

Performance Technician for transfer of OAC data

OPS Procedure Communicator

1 NOT to transfer paperwork after initial notification if necessary

Control Room

RO - to perform Control Room actions not available at Simulator

Unit Supervisor

NOT's

**ALL OTHER PLANT PERSONNEL SHOULD GO TO THEIR NORMAL
EMERGENCY LOCATIONS.**

B. Controller/Evaluator Assignments

<u>Function</u>	<u>Number of Controller/Evaluators</u>
Exercise Director	1
Simulator Control Room	4
Control Room	1
TSC Overall	1
TSC Radiation Protection	1
OSC Overall	1
OSC Chemistry	3
OSC Instrument & Electrical	2
OSC Maintenance	2
OSC Radiation Protection	1
OSC Operations	2
Off-Site Rad. Monitoring	4
OSC Safety	1
Fire Drill	1
Medical Drill	1
Security	1
EOF Overall	1
EOF Commodities and Facilities	1
EOF Emergency Communications	1
EOF Plant Assessment	1
EOF Radiological Assessment	1
EOF News Group	1

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May 26, 1993

<u>Group</u>	<u>Name</u>	<u>Location</u>	<u>Phone #</u>	<u>Location</u>
TRNG	Dave McIntosh	CNS	831-3127	Sim. Evaluator
EP	David Smith	CNS	831-2076	Sim. Booth Communicator
TRNG	Ron Katalinich	CNS	831-3126	Sim. Control Booth
EP	Rodney Brown	ONS	885-3301	Sim. Control Rm. (Lead)
ENG	Randy Herring	CNS	831-3863	TSC (Lead)
EP	Gary Mitchell	CNS	831-3235	Exercise Director
MNT	Karen Acken	CNS	831-3259	OSC (Follow Team)
MNT	Tony Mauldin	CNS	831-3833	OSC (Follow Team)
IAE	Mary Edmonds	CNS	831-3496	OSC (Follow Team)
IAE	Maurice Perry	CNS	831-3446	OSC (Follow Team)
RP	Doug Baysinger	CNS	831-5578	OSC
RP	Brian Cripe	CNS	831-3425	OSC
CHM	Jean Horne Moore	CNS	831-5989	OSC
OPS	Dave Goforth	CNS	831-3287	Plant Control Room/OSC
OPS	Bo Johnson	CNS	831-5425	OSC (Follow Team)
OPS	Rick Albertson	CNS	831-5424	OSC (Follow Team)
SEC	Dick Carroll	CNS	831-5641	CAS
CHM	Paul Grayson	CNS	831-3367	OSC
CHM	Butch Wilson	CNS	831-5442	OSC

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<u>Group</u>	<u>Name</u>	<u>Location</u>	<u>Phone #</u>	<u>Location</u>
SFT	John Huggins	CNS	831-5330	Safety - OSC
SFT	Joe Cantrell	CNS	831-5523	Fire Drill
EP	Mike Cloninger	MNS	875-4153	Fire Drill
TRNG	Linda Thomas	CNS	831-3017	TSC RP/FMT/ Dose Assessment
RP	Roy Riddle	CNS	831-5593	FMT Alpha
RP	Ronald Russell	CNS	831-5592	FMT Bravo
TRNG	Ronnie White	CNS	831-3348	FMT Van 1 (Lead)
RP	Wes Sturgis	CNS	831-5775	FMT Van 2
Corp Comm	Maria Greene	GO	382-8349	News Group
EP	Scott Ledford	CNS	831-3233	Medical Drill
EP	Tina Kuhr	GO	382-3151	EOF Lead
EP	Jerel Reavis	MNS	875-4689	EOF Communications
PRA	Duncan Brewer	GO	382-7409	EOF Plant Assessment
RP	Dave Parsons	CNS	831-3407	EOF Rad

NOTE: Phone numbers listed are office numbers and can be used for any communications among controller/evaluators prior to the exercise - e.g. if lead persons need to contact group members.

A separate phone list is contained in the drill manual for controller/evaluator communications during the exercise.

MAY 26, 1993, CNS EXERCISE

EMERGENCY PHONE COMMUNICATIONS
(FOR EMERGENCIES AND DRILLS)

CHANNEL	TSC	C/R	OSC	SIMULATOR	EOF
A	RX Engineer Supt. of OPS Unit Manager 5872	OPS R.O. 5357	Unit Supv. 5458	Shift Supv. (SRO) Sim. Inst. 3806	382-0775
Normal Phone	OPS Support Manager 5877			5339	382-0767
B	TSC/OSC Communicator 5871		OSC Coordinator 5934		

FOR DRILLS

C Controller System (for drills)	Lead Controller 5883	Lead Controller 5184	Lead Controller 5937	Lead Controller 5194	Lead Controller 382-0741 382-0742
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SIMULATOR CONTROL ROOM - SRO DESK (5430), MC 11 (5856), MC 2 (5857) (FOR PLAYERS)

SIMULATOR INSTRUCTOR BOOTH - 3168, 5290 (FOR CONTROLLERS)

SIMULATOR PERFORMANCE TECHNICIAN - 3167

SIMULATOR NOTIFICATIONS (OUTSIDE) - 831-3807

TSC CONTROLLER - 5669

OSC CONTROLLER - 5939

SECURITY CONTROLLER - (5364) 2657, 3255

SIMULATOR FAX - 831-3153

C. Exercise Data and Messages

Data and messages to be used in the exercise are shown in the appendices. The white message sheets with notes to controllers are kept by the controller/evaluators to allow review of those actions which the players should initiate. Colored message sheets without the notes to controllers will be given to the players at the indicated times by the controllers. Contingency messages will be given to the players, as necessary, to keep the scenario on track or to provide information contingent upon player action.

The scenario will be driven by the simulator. Operators will receive indications directly from the simulator at the training center. Personnel at other locations will receive simulated plant data either through the data transmittal system (with pre-programmed exercise data) or through other communications. Data sheets showing "snapshots" of plant parameters will be given to the players in the simulator area, TSC and OSC if a problem occurs with the simulator.

Off-site and on-site radiological monitoring data will be provided by controllers to the players after an actual reading has been made. Radiological and chemistry sample results will be provided after samples are taken and analyzed. Any exceptions are noted in the exercise messages.

D. Exercise Rules

1. Initial plant conditions will be given to players prior to start of the exercise. This information will only be given to those players who would normally be aware of such information.
2. Controllers will be available in the Technical Support Center, Operations Support Center, Control Room, field monitoring vehicles, and the Emergency Operations Center. Controllers will provide message sheets, data sheets, on-site/off-site radiological data, or other information, as appropriate, for players to respond to. Scenario data will be provided to players only after they have communicated with or arrived at the locations where data would be available in an actual emergency.
3. Player response should be real-time, with no simulated actions unless directed otherwise by the controller. Generally, emergency response activities should be performed fully and not simulated unless personnel safety, plant safety, or unit operation would be jeopardized (see supplement to rule 3).
4. For ALARA reasons, exercise participants should not enter actual high radiation areas. Instead, players should go to the general area and make the controller aware of their intended response.
5. If a procedure must be simulated, it is the player's responsibility to ensure that the controller is fully aware of any actions taken. If information is needed for player response, it is appropriate to ask questions of the controller. **HOWEVER, DO NOT TALK TO CONTROLLERS UNLESS ABSOLUTELY NECESSARY.**
6. Respirators do not have to be worn by exercise participants. Administrative controls for respirator issue, however, will be followed. Radiation Protection will issue a tag to indicate that a respirator is being worn, and tag out the respirator being issued. Air bottles will be real-time (approximately 30 minutes supply per bottle).
7. Anti-C's will be worn by players if required by Radiation Protection practice or procedure. No exceptions will be allowed unless directed otherwise by the controller.
8. All phone and radio communications required by procedure will be made unless directed otherwise by the controller. For example, calls generally should not be made to persons, groups or organizations that are not participating in the exercise. Communications should begin and end with the statement "This is a drill."

9. Once Site Assembly has been achieved, those persons not directly participating in the exercise will be told to return to their normal work areas.
10. Site evacuation of non-essential personnel, if required, will be simulated.
11. A helicopter for off-site monitoring, if needed, will be simulated.
12. Players will be identified by colored armbands or tags showing their group or position name. Controller/evaluators will be identified by 'Controller/Evaluator' armbands. Observers will be identified by 'Observer' armbands.
13. Observer participation will be limited to observing player actions only. Observers should not interact with players during the exercise.

Supplement to Exercise Rule 3

Examples of Do's and Don'ts for exercise participants

- DO
- Obtain actual instrument readings where information has not been provided by controllers
 - Go to the work area or as close as possible without entering Radiation Areas.
 - Perform actions in the Simulator area, as necessary
 - Make sure you understand controller messages before any actual manipulations are done.
- DON'T
- Operate valves
 - Flip switches and breakers
 - Cause the Control Room false alarms
 - Operate any device affecting station operation without OATC permission
 - Remove any component from service

III. CRITIQUE

Critiques should serve as a feedback mechanism to identify and correct faults discovered during the exercise. The discussions held by key players and controller/evaluators during the critiques are often the only opportunity for integrating all comments and developing an accurate overall picture of performance during an exercise. The written logs and comments of each controller/evaluator will provide valuable information for later evaluation. However, each individual is capable of viewing only a small portion of an entire exercise and, in some cases, views only a small portion of a particular task. The critiques serve to clear up misconceptions that may result from limited individual viewpoints, and help participants put all of the comments in perspective.

Process

Controller/evaluators should attend the player critique to obtain any information that may have been missed or misunderstood during the exercise in order to provide for a more thorough evaluation.

Immediately following the player critique, the lead controllers (for TSC, OSC, Off-Site, Control Room, and EOF) should meet with the controller/evaluators in their area of evaluation. Each controller/evaluator should complete and sign their evaluation form and generate action items and/or good practices (see sections below instructions). The lead controller should then work with group members to determine if the exercise objectives were adequately met and to ensure action items are written for objectives that were not met. Additional action items may also be generated for areas where improvement is needed. The lead controller should compile all evaluation sheets and action items/good practices for the group. When complete, the group should meet with the key players in their area of evaluation to review the items and make adjustments, as necessary, if an item(s) was born out of a misunderstand or misconception.

After meeting with the player, the lead controller should make a copy of the evaluation sheets and items. The originals should be given to the Exercise Director and the copies should be retained by the lead controllers.

When all lead controllers have completed the above tasks, the controller critique can be held. All controller/evaluators should be present. The Exercise Director will lead the critique with each lead controller presenting information for his group. The lead controller should first discuss any objectives in his/her area that were not met and why. Then, each action item and good practice should be discussed. Each item presented will be open for discussion. Any controller aware of any information that could change or nullify an item should present the information to the group. At the end of the critique, the Exercise Director may ask that certain controllers attend the NRC critique, particularly if significant problems were identified in an area of evaluation.

Key players, in addition to controllers requested by the Exercise Director, should attend the NRC critique. During the critique, the following persons or groups will provide comments.

- a. Emergency Coordinator (Station participant's comments)
- b. Exercise Director (Controller/evaluator's comments)
- c. Observers (if any)
- d. NRC

Each item presented will be open for discussion. Any player or controller aware of any information that could change or nullify an item should present the information to the group.

Following the critique, the Exercise Director will combine the critique comments into an action item list. If any questions remain regarding any item identified, the authoring evaluator may be asked to conduct individual interviews with the players involved in order to gather necessary information to complete the item or to determine the root cause. The Station Emergency Planning Manager and/or the Exercise Director may also conduct interviews, as necessary. The individual items will be assigned to appropriate members of the organization for resolution. The Station Emergency Planning Manager will be responsible for follow-up to ensure implementation of corrective measures.

Evaluation Forms

Evaluation forms have been developed to allow review of the specific exercise objectives stated in part I of this exercise plan. Where an objective is not rated as having been completed in an adequate manner, the evaluator will elaborate on the back of the sheet and refer to the associated action item(s). Even if an objective is adequately met, the evaluator may make suggestions for improvement.

Outstanding performances should also be recognized where player actions are clearly exemplary.

Exercise Good Practice and Action Item Forms

Controller/evaluators are requested to use their written logs and evaluation sheets to generate action item findings. Using 'Exercise Action Item' forms, complete the 'Findings' section for each identified item. Example action item forms are available to provide guidance for completing these forms.

The finding should state the action, behavior, or conditions observed that were unacceptable or in need of improvement. Ensure appropriate detail is provided in order to adequately describe the item. Names of participants observed should be recorded for future reference.

Lastly, the controller/evaluator's name should be printed on the upper right hand corner of each page. This will enable the Exercise Director to contact the appropriate person if questions arise or additional information is required.

Good practice forms should be used to list outstanding performances observed where the participants actions were clearly exemplary. The controller/evaluator's name should be printed on the upper right hand corner of each page. Example good practice forms are available to provide guidance for completing these forms.

Schedule

Player critiques will be held immediately following the exercise on May 26, 1993. The station critique, led by the Station Emergency Planning Manager or designee, will be held in the TSC at Catawba Nuclear Station. The EOF critique, led by the EOF Lead Controller or designee, will be held in the EOF.

The controller/evaluator critique, led by the Exercise Director, will be held at 1500 on May 27, 1993, in the Catawba Administration Building, Room 153.

The NRC critique will be held at 10:00 on May 28, 1993, in Catawba Administration Building, Room 153A.

CATAWBA NUCLEAR STATION
ANNUAL EXERCISE SCENARIO
MAY 26, 1993

SEQUENCE OF EVENTS

1900 Plane crash and fire at RN Intake Structure

1910 Call off-site Fire Department (Bethel) for assistance

Expected Response:

- Declare a Site Area Emergency (plane crash into RN Intake Structure)
- Activate TSC, OSC, EOF
- Conduct Site Assembly

1915 1RN287A fails closed, isolates RN to 'A' Train KC Hx

1918 Receive KC and NV Letdown High High Temperature Alarms

Expected Response:

- Complete loss RN cooling to KC System
- Operators refer to AP21 (Loss of KC Abnormal Procedure)
- KC pumps continue top run, KC temperature reaches 140°F - 150°F

1933 Receive Reactor Coolant Pump (NCP) High Temperature alarms on lower motor bearings (due loss KC)

1942 1A NV Pump trips

Expected Response:

- Operators refer to AP08 (Loss NCP's)
- May dispatch operator to SSF to provide NCP seal injection
- Continue to monitor NCP parameters

CATAWBA NUCLEAR STATION
ANNUAL EXERCISE SCENARIO
MAY 26, 1993

SEQUENCE OF EVENTS

- 1900 Plane crash and fire at RN Intake Structure ^{service water}
- 1910 Call off-site Fire Department (Bethel) for assistance

Expected Response:

- Declare an Alert ^{SAE}
- Activate TSC, OSC, EOF
- Conduct Site Assembly

- 1915 1RN287A fails closed, isolates RN to 'A' Train KC Hx ^{SW}
- 1918 Receive KC and NV Letdown High High Temperature Alarms ^{CCS CVCS}

Expected Response:

- Complete loss RN cooling to KC System ^{SW}
- Operators refer to AP21 (Loss of KC Abnormal Procedure) ^{CCS}
- KC pumps continue top run, KC temperature reaches 140°F - 150°F ^{CCS}

- 1933 Receive Reactor Coolant Pump (NCP) High Temperature alarms on lower motor bearings (due loss KC) ^{RCP}

- 1942 1A NV Pump trips ^{CC}

Expected Response:

- Operators refer to AP08 (Loss NCP's) ^{RCP}
- May dispatch operator to SSF to provide NCP seal injection ^{Stand by Shut down Facility}
- Continue to monitor NCP parameters ^{RCP}

^{RCP}

SEQUENCE OF EVENTS - Continued:

1944 Manually trip Reactor and trip all four NCP's due to high temperature

1946 NV872A fails to open (motor burns up)
SSF fails to provide NCP seal injection

Expected Response:

- Operators refer to EP01 (Reactor Trip and Safety Injection)
- Operators refer to EP1A (Reactor Trip Response)_
- Operators may start 1B NV Pump with failure of SSF (previously not started due to loss of KC cooling and the tripping of 1A NV pump)

1949 Start 1B NV Pump

Expected Response:

- May attempt to restart an NCP
- Monitor for natural circulation if no NCP's perform normal post trip activities
- Perform normal post trip activities

2024 1B NV pump trips

2034 All four NCP seals fail and cause medium LOCA ≥ 1200 gpm (if NV is off for 10 minutes)

2035 Manual SI (this will start the remaining KC heat loads)

Expected Response:

- Operators refer to EP01 (Rx Trip/SI)
- Operators declare General Emergency (loss of both trains ECCS with inability to maintain subcooling)
- Operators request boron sample in preparation for post LOCA cooldown and depressurization

SEQUENCE OF EVENTS - Continued:

1944 Manually trip Reactor and trip all four NCP's due to high temperature *RCP*

1946 NV872A fails to open (motor burns up)
SSF fails to provide NCP seal injection
RCP

Expected Response:

- Operators refer to EP01 (Reactor Trip and Safety Injection)
- Operators refer to EP1A (Reactor Trip Response)_
- Operators may start 1B NV Pump with failure of SSF (previously not started due to loss of KC cooling and the tripping of 1A NV pump)
CVCS
CVCS

1949 Start 1B NV Pump
CVCS

Expected Response:

- May attempt to restart an NCP
RCP
- Monitor for natural circulation if no NCP's perform normal post trip activities
- Perform normal post trip activities

2024 1B NV pump trips
CVCS

2034 All four NCP seals fail and cause medium LOCA \geq 1200 gpm (if NV is off for 10 minutes)
RCP

2035 Manual SI (this will start the remaining KC heat loads)

Expected Response:

- Operators refer to EP01 (Rx Trip/SI)
- Operators declare SAE
- Operators request boron sample in preparation for post LOCA cooldown and depressurization

SEQUENCE OF EVENTS - Continued:

2055 While obtaining a boron sample, the contaminated medical injury occurs at the sample location

2105 1A NI Pump trips (if running). This is the last remaining ECCS pump injecting into the core.

Expected Response:

- Operators continue to respond to medium size LOCA. Procedure will eventually have them cool down and depressurize. CA Pumps will continue to run.

SW
2140 RN 287A repaired and RN flow restored to KC. KC System returned to normal.

RL
2147 NC leak rate at this time ~ 110 gpm.

SI
2200 1B NI pump restored to service, injecting 500 gpm to NC System. Core cooling restored.

Expected Response:

- Operators should attempt to restart KC loads, NV, NI, ND. If all tried, restart of a couple will occur. Will have to locally reset relays at ETA/B.
- A portion of the ECCS system is functioning. Operators continuing to address LOCA and NC System cooldown.

CC CVCS SI RHR
RCS
2230- Terminate the Scenario
2300

Name _____

Date: ____ / ____ / ____

Area of Review: Control Room

<u>Exercise Objective to be Reviewed</u>	<u>(Check One)</u>	
	<u>Adequate</u>	<u>Inadequate*</u>
1. Demonstrate the ability to declare emergency classification in accordance with procedures.	_____	_____
2. Demonstrate the ability to notify the States and the Counties within 15 minutes after declaring an emergency or after changing the emergency classification.	_____	_____
3. Demonstrate proper use of the message format and authentication methodology for messages transmitted to the States and Counties.	_____	_____
4. Demonstrate the ability to alert, notify, and staff the TSC, OSC, and EOF after declaring an Alert or higher emergency class.	_____	_____
5. Demonstrate precise and clear transfer of responsibility from the Shift Supervisor in the Control Room to the Emergency Coordinator in the TSC.	_____	_____
6. Demonstrate the ability to notify NRC not later than one hour after declaring one of the emergency classes.	_____	_____
8. Test communications equipment among on-site emergency facilities including plant extensions and intercoms.	_____	_____
9. Test off-site communications equipment to the County and State warning points and to NRC including the Selective Signaling System and the NRC Emergency Notification System.	_____	_____
10. Test the adequacy and operability of emergency equipment/supplies.	_____	_____

Exercise Objective to be Reviewed

Adequate

Inadequate*

11. Evaluate the adequacy of the following assessment tools:
- 1. Drawings
 - 2. Data Display Boards
 - 3. Maps
22. Demonstrate the ability to assess the incident and provide mitigation strategies.

_____	_____
_____	_____

* Note: Expand on any item(s) marked "Inadequate"

Evaluator Signature _____

Name _____

Date: ____ / ____ / ____

Area of Review: TSC Overall

<u>Exercise Objective to be Reviewed</u>	<u>(Check One)</u>	
	<u>Adequate</u>	<u>Inadequate*</u>
1. Demonstrate the ability to declare emergency classification in accordance with procedures.	_____	_____
2. Demonstrate the ability to notify the States and the Counties within 15 minutes after declaring an emergency or after changing the emergency classification.	_____	_____
3. Demonstrate proper use of the message format and authentication methodology for messages transmitted to the States and Counties.	_____	_____
4. Demonstrate the ability to alert, notify, and staff the TSC after declaring an Alert or higher emergency class.	_____	_____
5. Demonstrate precise and clear transfer of responsibility from the Shift Supervisor in the Control Room to the Emergency Coordinator in the TSC.	_____	_____
6. Demonstrate the ability to notify NRC not later than one hour after declaring one of the emergency classes.	_____	_____
7. Demonstrate assembly of station personnel within 30 minutes in a simulated emergency and provide accountability for any not present at the assembly locations.	_____	_____
8. Test communications equipment among on-site emergency facilities including plant extensions and intercoms.	_____	_____
9. Test off-site communications equipment to the County and State warning points and to NRC including the Selective Signaling System and the NRC Emergency Notification System.	_____	_____
10. Test the adequacy and operability of emergency equipment/supplies.	_____	_____

Exercise Objective to be Reviewed

(Check One)

Adequate Inadequate*

11. Evaluate the adequacy of the following assessment tools:

- 1. Drawings
- 2. Data Display Boards
- 3. Maps

12. Demonstrate precise and clear transfer of responsibility from the Emergency Coordinator in the TSC to the EOF Director.

21. Demonstrate the ability to provide timely and appropriate protective action recommendations to off-site officials in accordance with station procedures.

22. Demonstrate the ability to assess the incident and provide mitigation strategies.

* Note: Expand on any item(s) marked "Inadequate"

Evaluator Signature _____

Name _____

Date: ____ / ____ / ____

Area of Review: TSC Plant Data

Exercise Objective to be Reviewed

(Check One)

Adequate

Inadequate*

10. Test the adequacy and operability of emergency equipment/supplies.

13. Demonstrate the ability to provide data to the TSC and OSC in accordance with station procedures.

Note: Expand on any item(s) marked "Inadequate"

Evaluator Signature _____

Name _____

Date: ____ / ____ / ____

Area of Review: TSC Radiation Protection

Exercise Objective to be Reviewed

(Check One)

Adequate

Inadequate*

- | | | | |
|-----|--|-------|-------|
| 8. | Test communications equipment among on-site emergency facilities including plant extensions and intercoms. | _____ | _____ |
| 10. | Test the adequacy and operability of emergency equipment/supplies. | _____ | _____ |
| 11. | Evaluate the adequacy of the following assessment tools: | | |
| | 1. Drawings | | |
| | 2. Data Display Boards | | |
| | 3. Maps | _____ | _____ |
| 15. | Demonstrate the ability to locate a simulated, radioactive plume and to measure the off-site radiation levels as applicable. | _____ | _____ |
| 16. | Demonstrate adequate radio communications between the off-site monitoring teams and the TSC. | _____ | _____ |
| 17. | Demonstrate the ability to develop off-site dose projections in accordance with procedures. | _____ | _____ |

* Note: Expand on any item(s) marked "Inadequate"

Evaluator Signature _____

Name _____

Date: ____ / ____ / ____

Area of Review: OSC Chemistry

Exercise Objective to be Reviewed

(Check One)

Adequate

Inadequate*

10. Test the adequacy and operability of emergency equipment/supplies.

22. Demonstrate the ability to assess the incident and provide mitigation strategies.

* Note: Expand on any item(s) marked "Inadequate"

Evaluator Signature _____

Name _____

Date: ____/____/____

Area of Review: OSC Instrument and Electrical

Exercise Objective to be Reviewed

(Check One)

Adequate Inadequate*

10. Test the adequacy and operability of emergency equipment/supplies.

22. Demonstrate the ability to assess the incident and provide mitigation strategies.

* Note: Expand on any item(s) marked "Inadequate"

Evaluator Signature _____

Name _____

Date: ____/____/____

Area of Review: OSC Maintenance

Exercise Objective to be Reviewed

(Check One)

Adequate Inadequate*

10. Test the adequacy and operability of emergency equipment/supplies.

22. Demonstrate the ability to assess the incident and provide mitigation strategies.

* Note: Expand on any item(s) marked "Inadequate"

Evaluator Signature _____

Name _____

Date: ____ / ____ / ____

Area of Review: OSC Operations

Exercise Objective to be Reviewed

(Check One)

Adequate

Inadequate*

10. Test the adequacy and operability of emergency equipment/supplies.

22. Demonstrate the ability to assess the incident and provide mitigation strategies.

* Note: Expand on any item(s) marked "Inadequate"

Evaluator Signature _____

Name _____

Date: ____ / ____ / ____

Area of Review: On-Site Radiological Monitoring

Exercise Objective to be Reviewed

(Check One)

Adequate Inadequate*

- | | | | |
|-----|--|-------|-------|
| 10. | Test the adequacy and operability of emergency equipment/supplies. | _____ | _____ |
| 19. | Demonstrate the ability to continuously monitor and control emergency worker exposure. | _____ | _____ |
| 20. | Demonstrate the ability to determine on-site radiation levels and airborne radioiodine concentrations. | _____ | _____ |
| 22. | Demonstrate the ability to assess the incident and provide mitigation strategies. | _____ | _____ |

* Note: Expand on any item(s) marked "Inadequate"

Evaluator Signature _____

Name _____

Date: ____ / ____ / ____

Area of Review: Off-Site Radiological Monitoring

Exercise Objective to be Reviewed

(Check One)

Adequate

Inadequate*

10. Test the adequacy and operability of emergency equipment/supplies.

15. Demonstrate the ability to locate a simulated, radioactive plume and to measure the off-site radiation levels, as applicable.

16. Demonstrate adequate radio communications between the off-site monitoring teams and the TSC/EOF.

18. Demonstrate the ability to collect soil, water, and vegetation samples in accordance with procedures.

* Note: Expand on any item(s) marked "Inadequate"

Evaluator Signature _____

Name _____

Date: ____ / ____ / ____

Area of Review: EOF Overall

<u>Exercise Objective to be Reviewed</u>	(Check One)	
	<u>Adequate</u>	<u>Inadequate*</u>
1. Demonstrate the ability to declare emergency classification in accordance with procedures.	_____	_____
2. Demonstrate the ability to notify the States and the Counties within 15 minutes after declaring an emergency or after changing the emergency classification.	_____	_____
3. Demonstrate proper use of the message format and authentication methodology for messages transmitted to the States and Counties.	_____	_____
4. Demonstrate the ability to alert, notify, and staff the EOF after declaring an Alert or higher emergency class.	_____	_____
6. Demonstrate the ability to notify NRC not later than 1 hour after declaring one of the emergency classes.	_____	_____
9. Test off-site communications equipment to the County and State warning points, County and State emergency operations centers, and to NRC including the Selective Signaling System and the NRC Emergency Notification System.	_____	_____
10. Test the adequacy and operability of emergency equipment/supplies.	_____	_____
11. Evaluate the adequacy of the following assessment tools: 1. Drawings 2. Data Display Boards 3. Maps	_____	_____
12. Demonstrate precise and clear transfer of responsibility from the Emergency Coordinator in the TSC to the EOF Director.	_____	_____

Exercise Objective to be Reviewed

(Check One)

Adequate

Inadequate*

- 21. Demonstrate the ability to provide timely and appropriate protective action recommendations to off-site officials in accordance with station procedures.
- 22. Demonstrate the ability to assess the incident and provide mitigation strategies.

* Note: Expand on any item(s) marked "Inadequate"

Evaluator Signature _____

Name _____

Date: ____ / ____ / ____

Area of Review: EOF Commodities and Facilities

Exercise Objective to be Reviewed

(Check One)

Adequate Inadequate*

10. Test the adequacy and operability of emergency equipment/supplies.

11. Evaluate the adequacy of the following assessment tools:

1. Drawings
2. Data Display Boards
3. Maps

* Note: Expand on any item(s) marked "Inadequate"

Evaluator Signature _____

Name _____

Date: ____ / ____ / ____

Area of Review: EOF Emergency Communications

Exercise Objective to be Reviewed

(Check One)

Adequate

Inadequate*

- | | | | |
|-----|--|-------|-------|
| 2. | Demonstrate the ability to notify the States and the Counties within 15 minutes after declaring an emergency or after changing the emergency classification. | _____ | _____ |
| 3. | Demonstrate proper use of the message format and authentication methodology for messages transmitted to the States and Counties. | | |
| 11. | Evaluate the adequacy of the following assessment tools:

1. Drawings
2. Data Display Boards
3. Maps | _____ | _____ |
| 13. | Demonstrate the ability to distribute Data Transmittal System data throughout the EOF according to station procedures. | _____ | _____ |

* Note: Expand on any item(s) marked "Inadequate"

Evaluator Signature _____

Name _____

Date: ____ / ____ / ____

Area of Review: EOF Plant Assessment

Exercise Objective to be Reviewed

(Check One)

Adequate

Inadequate*

10. Test the adequacy and operability of emergency equipment/supplies.

11. Evaluate the adequacy of the following assessment tools, as applicable:

1. Drawings
2. Data Display Boards
3. Maps

22. Demonstrate the ability to assess the incident and provide mitigation strategies.

* Note: Expand on any item(s) marked "Inadequate"

Evaluator Signature _____

Name _____

Date: ____ / ____ / ____

Area of Review: EOF Radiological Assessment

<u>Exercise Objective to be Reviewed</u>	(Check One)	
	<u>Adequate</u>	<u>Inadequate*</u>
10. Test the adequacy and operability of emergency equipment/supplies.	_____	_____
11. Evaluate the adequacy of the following assessment tools, as applicable: 1. Drawings 2. Data Display Boards 3. Maps	_____	_____
15. Demonstrate the ability to locate a simulated, radioactive plume and to measure the off-site radiation levels, as applicable.	_____	_____
16. Demonstrate adequate radio communications between the off-site monitoring teams and the EOF.	_____	_____
17. Demonstrate the ability to develop off-site dose projections in accordance with procedures.	_____	_____
18. Demonstrate the ability to collect soil, water, and vegetation samples in accordance with procedures.	_____	_____

* Note: Expand on any item(s) marked "Inadequate"

Evaluator Signature _____

Name _____

Date: ____ / ____ / ____

Area of Review: Fire Drill

Exercise Objective to be Reviewed

(Check One)

Adequate

Inadequate*

23. Demonstrate proper response to a simulated fire emergency and timely backup assistance from the off-site fire support agency.

* Note: Expand on any item(s) marked "Inadequate"

Evaluator Signature _____

Name _____

Date: ____ / ____ / ____

Area of Review: Medical Drill

Exercise Objective to be Reviewed

(Check One)
Adequate Inadequate*

24. Demonstrate proper response to a simulated medical emergency involving a contaminated patient in accordance with station procedures.

* Note: Expand on any item(s) marked "Inadequate"

Evaluator Signature _____

DRILL OR EXERCISE ACTION ITEM

Lead Responsibility: _____ Item No. ____ / ____ / ____ / ____

Drill or Exercise Date: ____ / ____ / ____ Station: _____

Finding: _____

Target Date for Completion: ____ / ____ / ____

..... FOLLOW-UP
.....

Has corrective action been taken? Yes ___ No ___

If yes, provide a short description of the action taken: _____

Date Completed: ____ / ____ / ____ Signed: _____

If no, provide a short description of why item has not been completed and establish a new completion date: _____

New Completion Date: ____ / ____ / ____ Signed: _____

Item Closed:
Date Closed: ____ / ____ / ____ Signed: _____

(CNS Emergency Planning Mgr.)

DRILL OR EXERCISE ACTION ITEM

Lead Responsibility: _____ Item No. / / / /

Drill or Exercise Date: / / Station: _____

Finding: _____

Target Date for Completion: / /

..... FOLLOW-UP.

Has corrective action been taken? Yes ___ No ___

If yes, provide a short description of the action taken: _____

Date Completed: / / Signed: _____

If no, provide a short description of why item has not been completed and establish a new completion date: _____

New Completion Date: / / Signed: _____

Item Closed:

Date Closed: / / Signed: _____

(CNS Emergency Planning Mgr.)

DRILL OR EXERCISE ACTION ITEM

Lead Responsibility: _____ Item No. / / /

Drill or Exercise Date: / / Station: _____

Finding: _____

Target Date for Completion: / /

..... FOLLOW-UP
.....

Has corrective action been taken? Yes No

If yes, provide a short description of the action taken: _____

Date Completed: / / Signed: _____

If no, provide a short description of why item has not been completed and establish a new completion date: _____

New Completion Date: / / Signed: _____

Item Closed:
Date Closed: / / Signed: _____

(CNS Emergency Planning Mgr.)

DRILL OR EXERCISE ACTION ITEM

Lead Responsibility: _____ Item No. / / /

Drill or Exercise Date: / / Station: _____

Finding: _____

Target Date for Completion: / /

..... FOLLOW-UP.

Has corrective action been taken? Yes No

If yes, provide a short description of the action taken: _____

Date Completed: / / Signed: _____

If no, provide a short description of why item has not been completed and establish a new completion date: _____

New Completion Date: / / Signed: _____

Item Closed:
Date Closed: / / Signed: _____

(CNS Emergency Planning Mgr.)

DRILL OR EXERCISE ACTION ITEM

Lead Responsibility: _____ Item No. ____ / ____ / ____ / ____

Drill or Exercise Date: ____ / ____ / ____ Station: _____

Finding: _____

Target Date for Completion: ____ / ____ / ____

..... FOLLOW-UP.

Has corrective action been taken? Yes ___ No ___

If yes, provide a short description of the action taken: _____

Date Completed: ____ / ____ / ____ Signed: _____

If no, provide a short description of why item has not been completed and establish a new completion date: _____

New Completion Date: ____ / ____ / ____ Signed: _____

Item Closed:

Date Closed: ____ / ____ / ____ Signed: _____

(CNS Emergency Planning Mgr.)

DRILL OR EXERCISE ACTION ITEM

Lead Responsibility: _____ Item No. ____ / ____ / ____ / ____

Drill or Exercise Date: ____ / ____ / ____ Station: _____

Finding: _____

Target Date for Completion: ____ / ____ / ____

..... FOLLOW-UP
.....

Has corrective action been taken? Yes ___ No ___

If yes, provide a short description of the action taken: _____

Date Completed: ____ / ____ / ____ Signed: _____

If no, provide a short description of why item has not been completed and establish a new completion date: _____

New Completion Date: ____ / ____ / ____ Signed: _____

Item Closed:

Date Closed: ____ / ____ / ____ Signed: _____

(CNS Emergency Planning Mgr.)

DRILL OR EXERCISE ACTION ITEM

Lead Responsibility: _____ Item No. / / / /

Drill or Exercise Date: ___ / ___ / ___ Station: _____

Finding: _____

Target Date for Completion: ___ / ___ / ___

..... FOLLOW-UP
.....

Has corrective action been taken? Yes ___ No ___

If yes, provide a short description of the action taken: _____

Date Completed: ___ / ___ / ___ Signed: _____

If no, provide a short description of why item has not been completed and establish a new completion date: _____

New Completion Date: ___ / ___ / ___ Signed: _____

Item Closed:
Date Closed: ___ / ___ / ___ Signed: _____

(CNS Emergency Planning Mgr.)

DRILL OR EXERCISE ACTION ITEM

Lead Responsibility: _____ Item No. ____/____/____/____/____

Drill or Exercise Date: ____/____/____ Station: _____

Finding: _____

Target Date for Completion: ____/____/____

..... FOLLOW-UP.

Has corrective action been taken? Yes ___ No ___

If yes, provide a short description of the action taken: _____

Date Completed: ____/____/____ Signed: _____

If no, provide a short description of why item has not been completed and establish a new completion date: _____

New Completion Date: ____/____/____ Signed: _____

Item Closed:

Date Closed: ____/____/____ Signed: _____

(CNS Emergency Planning Mgr.)

DRILL OR EXERCISE ACTION ITEM

Lead Responsibility: _____ Item No. ____ / ____ / ____ / ____

Drill or Exercise Date: ____ / ____ / ____ Station: _____

Finding: _____

Target Date for Completion: ____ / ____ / ____

..... FOLLOW-UP
.....

Has corrective action been taken? Yes ___ No ___

If yes, provide a short description of the action taken: _____

Date Completed: ____ / ____ / ____ Signed: _____

If no, provide a short description of why item has not been completed and establish a new completion date: _____

New Completion Date: ____ / ____ / ____ Signed: _____

Item Closed:
Date Closed: ____ / ____ / ____ Signed: _____

(CNS Emergency Planning Mgr.)

DRILL OR EXERCISE ACTION ITEM

Lead Responsibility: _____ Item No. ____ / ____ / ____ / ____

Drill or Exercise Date: ____ / ____ / ____ Station: _____

Finding: _____

Target Date for Completion: ____ / ____ / ____

..... FOLLOW-UP
.....

Has corrective action been taken? Yes____ No____

If yes, provide a short description of the action taken: _____

Date Completed: ____ / ____ / ____ Signed: _____

If no, provide a short description of why item has not been completed and establish a new completion date: _____

New Completion Date: ____ / ____ / ____ Signed: _____

Item Closed:
Date Closed: ____ / ____ / ____ Signed: _____

(CNS Emergency Planning Mgr.)

DRILL OR EXERCISE GOOD PRACTICE

To: _____

Drill or Exercise Date: ___ / ___ / ___ Station: _____

Finding: _____

DRILL OR EXERCISE GOOD PRACTICE

To: _____

Drill or Exercise Date: ___ / ___ / ___ Station: _____

Finding: _____

DRILL OR EXERCISE GOOD PRACTICE

To: _____

Drill or Exercise Date: ___ / ___ / ___ Station: _____

Finding: _____

DRILL OR EXERCISE GOOD PRACTICE

To: _____

Drill or Exercise Date: ____ / ____ / ____ Station: _____

Finding: _____

DRILL OR EXERCISE GOOD PRACTICE

To: _____

Drill or Exercise Date: ___ / ___ / ___ Station: _____

Finding: _____

DRILL OR EXERCISE GOOD PRACTICE

To: _____

Drill or Exercise Date: ___ / ___ / ___ Station: _____

Finding: _____

CATAWBA NUCLEAR STATION
ANNUAL EXERCISE SCENARIO
MAY 26, 1993
NARRATIVE

This exercise will be a station only off-hours unannounced drill to include staff augmentation (an additional staff augmentation drill will also be held at CNS this year).

The Simulator Control Room Technical Support Center (TSC), Operations Support Center (OSC), and the Emergency Operations Facility (EOF) will be manned with players and evaluators. The News Center and Joint Information Center will not be manned because the States (North Carolina and South Carolina) and Counties (York, Gaston, Mecklenburg) are not playing in this exercise. However, the States and Counties will take messages.

The exercise will begin with a plane crashing into the corner of the RN (Nuclear Service Water) intake structure that houses the RN pumps. The plane will be a military training plane with no ordnance (weapons or explosives) on board. Witnesses will state that the pilot has safely ejected over the lake.

The fire will be a real fire set nearby that Bethel Fire Department (our backup fire support) can assist CNS fire brigade in putting out. The fire scenario should cause the Shift Supervisor to declare a Site Area Emergency and activate the CNS Emergency Response Organization.

The plant casualty will consist of a loss of RN to KC (component cooling) which begins to render most or all of our ECCS pumps inoperable. It will also cause the operators to trip the Reactor and Reactor Coolant Pumps. Due to an additional failure to the SSF (Standby Shutdown Facility), the plant also experiences a medium sized LOCA when the NCP's seals fail. This will result in a General Emergency. If RN to KC is not restored along with at least one ECCS pump within six hours, core damage would occur.

A contaminated medical injury drill will also be conducted at some time during the exercise, but our primary hospital (PMC) will not play during this exercise.

The objective of this drill is to have a realistic exercise in which the ERO can solve plant problems, fix equipment, and save the Reactor core from damage. There will not be a radiological release to the environment unless caused by inappropriate player actions. The Field Monitoring Team (FMT) will still be dispatched as normal.

Annual Exercise - May 26, 1993

INITIAL CONDITIONS

- Unit 1 at 100% power, EOL.
- NI Pump 1B tagged out for repair of vibration problems (3 hours work to return to service)
- Units 1 & 2 Essential RN header tagged out due to valve replacements on Unit 2.
- KC System in cross-train alignment per RN valve work tagout:
 - "B" Train KC Pumps racked out, KC isolated to "B" Train ND, excess C/D HX and "B" KF HX.
 - KC auto actions on KC3A, KC230A, KC18B and KC228B are DEFEATED for Sp and/or SS with low FWST Level.
- Unit 2 is in an outage
- Unit 1 is in a 72-hour Action Statement due to RN valve replacements
- All running equipment is "A" Train

FAILURES

- RN 287A fails closed (causes loss RN to KC)
- NV872A fails closed (motor burned up) - results in no NCP seal injection from the SSF, which leads to NCP seal LOCA
- "A & B" NV, "A" NI, "A or B" ND Pumps may be rendered inoperable due to loss of KC

Mockups

- RN 287A
- NV872A
- 1B NI pump coupling
- Fire
- Medical Injury

New

CNS ANNUAL EXERCISE
MAY 26, 1993

1900	—	Fire at RN Intake Structure
	—	Call Bethel Fire Department for Assistance
1915	—	Declare Site Area Emergency
	—	Activate TSC, OSC, EOF
	—	Conduct Site Assembly
1915	—	RN 287A Fails Shut (Loss RN)
1918	—	KC High Temperature Alarms Received
1933	—	NCP Motor Lower Bearing Temps High
1942	—	1A NV Pump trips (burned up)
	—	May start 1B NV Pump and/or go to SSF
1944	—	Manually trip Reactor
1944	—	Trip NCP's due to High Temperature
1949	—	Start 1B NV Pump (if not running)
	—	May try to Restart an NCP
1957	—	Monitor for Natural Circulation if no NCP's on
2024	—	1B NV Pump trips (after 30 min. run time)
	—	Dispatch to SSF (provide NCP seal flow)
2029	—	Valve NVB72A fails to open (no NCP seal flow)
2034	—	All four NCP's seals fail \geq 1200 gpm LOCA
2035	—	Manually SI
2037	—	Containment pressure 3.8 psig
2049	—	Declare General Emergency
2053	—	When obtaining boron sample, contaminated medical injury occurs
	—	Cooldown, depressurization in progress.
2105	—	1A NI Pump trips (if it was running)
	—	Total loss of ECCS injection (core damage can occur within 6 hours)
2128	—	FWST swap to sump
2140	—	NC LOCA 300 gpm at this time
	—	Repaired and opened RN 287A - RN to KC flow established
	—	ECCS injection may still be unavailable until 1B NI Pump repaired
2147	—	NC leak rate 100 gpm at this time
2200	—	Restored 1B NI Pump to service injecting 600 gpm - continue cooling down, depressurizing.
2230-2300	—	Terminate Exercise

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO.: 1

MESSAGE FOR: CR SS, TSC EC, EOF EC

MESSAGE: Initial Conditions

See Operations Daily Status Report

NOTES TO CONTROLLERS: Lead Controllers provide copy of Operations Daily Status Report at the start of drill.

THIS UNIT STATUS SHEET IS FOR TODAY'S EMERGENCY DRILL ONLY!
IT IS BACKGROUND INFORMATION THAT YOU AND YOUR PEOPLE WOULD
NORMALLY BE AWARE OF.

CATAWBA NUCLEAR STATION

Operation Daily Status Report
Unit # 1

By: Gary L. Mitchell
Time: 0700
Date: week of 5/24/93
% Rx Power or Mode: 100
Gross MWE: 1184
Aux MWE: 62
Cond. Inlet Temp: 70°F
CT Fans Off: None

NC Leakage:
Total .560 gpm
Unidentified .560 gpm
Date Performed: week of 5/24/93
NCP #1 Seal Leakoff (gpm)
A 2.90 C 2.60
B 3.18 D 2.50

Present Status/Significant Items from Previous 24 Hours
1B NI Pump red tagged for repair of vibration problems

Units 1 & 2 Essential RN Header is tagged out for RN valve
replacements on Unit 2. (Unit 2 in an outage)
KC System in cross-train alignment per RN valve work.

Unit 1 is in a 72-hour Action Statement due to RN and 1B NI Pump.

Major Activities Planned

Continue 1B NI Pump repair.

Continue RN valve replacement.

Items Requiring Immediate/Continuous Attention

RN will be returned to service in time to meet the 72-hour Action
Statement. (as per Drill Scenario)

1B NI Pump will be returned to service in time to meet the 72-hour
Action Statement (as per Drill Scenario)

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME: 0800

MESSAGE NO.: 5

MESSAGE FOR: CR, TSC, EOF

MESSAGE: Unit 1 @ 100% Power, EOL

WEATHER

Wind 7 mph from 100 degrees (from East) "0" precipitation,
temperature 68°F, T, + 1.7°F

NOTES TO CONTROLLERS: Provide this message to these locations at beginning of the drill.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME: 1900

MESSAGE NO.: 7

MESSAGE FOR: Simulator Control Room

MESSAGE:

- Controller will explain present RN lineup
- KC is aligned as per OP/1/A/6400/05, Enclosure 4.8

NOTES TO CONTROLLERS: Provide to Simulator on their walk-down of CR boards and turnover.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME: 1900

MESSAGE NO.: 8

MESSAGE FOR: Simulator Control Room/OSC Coordinator

MESSAGE: The suction and discharge to the 1B NI pump are red tagged closed as per the normal tagout alignment to drain the pump. The motor breaker ETB11 for 1B NI pump is also red tagged open.

NOTES TO CONTROLLERS: Provide to Simulator on walk-down of CR boards and turnover. This message sheet will serve as red tag stubs for 1B NI pump and motor when Maintenance completes the repair work.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO.: 9

MESSAGE FOR: Simulator Control Room

MESSAGE: For all ECCS pumps, NS, ND, NI, NV, CA, KC, ask Controller for temperature information and alarms. Analog temperatures are not modeled for all ECCS pumps and motors.

NOTES TO CONTROLLERS: Provide to Simulator when they lose the KC System.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO.: 10

MESSAGE FOR: CR Shift Supervisor

MESSAGE: Do not use Control Board EMF readings for the remainder of the exercise. Ask
Controllers for EMF readings.

NOTES TO CONTROLLERS: Provide EMF readings as necessary.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME: 1900

MESSAGE NO.: 15

MESSAGE FOR: CAS

MESSAGE: RN is in degraded mode

NOTES TO CONTROLLERS: Give to CAS at the start of the exercise

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME: 1920

MESSAGE NO.: 20

MESSAGE FOR: CR SS

MESSAGE: Declare Site Area Emergency

NOTES TO CONTROLLERS: Contingency Message. To be given if SS does not declare an Site Area Emergency by 20 minutes after fire at RN intake structure. Discuss with Simulator Booth Controller before issuing.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME: ~ 1915

MESSAGE NO.: 25

MESSAGE FOR: CAS/Simulator Control Room

MESSAGE: Simulate calling FAA about plane crash

NOTES TO CONTROLLERS: Provide to CAS and SS

THIS IS A DRILL MESSAGE

DATE: 5/23/93

TIME: Variable

MESSAGE NO.: 30

MESSAGE FOR: Chemistry Manager or Alternates

MESSAGE: A primary sample cannot be obtained until the containment isolation valves are open.

NOTES TO CONTROLLERS: CONTINGENCY MESSAGE.

If Chemistry does not request the Control Room Operator to reset the safety injection and/or the multi-switch for KC, NC, NI and NM, then the containment isolation valves cannot be opened. The Controller should contact the Simulator Control Booth (ext. 3168) to determine the simulated Boron concentration at the time the sample was taken. This concentration will be given to the Tech. for reporting to OSC Chemistry.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO.: 35

MESSAGE FOR: NLO Checking 1A NV Pump Breaker

MESSAGE: Breaker tripped on 50-51 overcurrent relay.
Relay will not reset.

NOTES TO CONTROLLERS:

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO.: 40

MESSAGE FOR: NLO Checking 1B NV Pump Motor

MESSAGE: Motor smells burned; there are smoke marks all over motor vents.

NOTES TO CONTROLLERS:

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO.: 45

MESSAGE FOR: Shift Supervisor in Simulator Control Room

MESSAGE: A GENERAL EMERGENCY must be declared at this time.

NOTES TO CONTROLLERS: Do not issue message if GENERAL EMERGENCY has been declared or before discussing with the Simulator Booth Controller.

CONTINGENCY MESSAGE

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO.: 50

MESSAGE FOR: Field Monitoring Coordinator (FMC)

MESSAGE: One of the exercise objectives is to demonstrate the ability to collect soil, water and vegetation samples. Therefore, have one of the field monitoring sample van teams demonstrate this capability by actually collecting these samples for those that have not already been collected.

NOTES TO CONTROLLERS: The evaluator with the field monitoring team should verify that samples are taken according to procedure.

Message should be issued to the TSC FMC.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME: 9:30 p.m.

MESSAGE NO.: 52

MESSAGE FOR: Field Monitoring Coordinator (FMC - EOF)

MESSAGE: An important aspect of field monitoring is taking and analyzing air samples for I-131. Each sample van should take two air samples. The Ba-133 check source will be counted instead of the filters used during sampling. Complete enclosure 5.3 of HP/O/B/1003/57 by first counting the Ba-133 check source in the normal position and then counting it in an upside down position. Report final results to your controller.

NOTES TO CONTROLLERS: Controllers should carefully observe how the team takes and analyzes the air samples. Enclosure 5.3 has been completed for each instrument for your comparison. Results may be slightly different but should be within $\pm 20\%$. Collect enclosures 5.3 for drill analysis. Do not report calculated dose rates to the FMC.

(1) Instrument #3564

HP/O/B/1003/57

Retype # 1

ENCLOSURE 5.1

Instrument #3563

BA-133 SOURCE ACTIVITY CALCULATION

	SOURCE CPM	-	BKG CPM	=	CORRECTED CPM	X	* EFF FACTOR ^a	=	RESPONSE CHECK SOURCE DPM
(1)	1.19E5	-	2.71E2	=	1.18E5	X	25.92	=	3.08E6
(2)	1.0E5	-	5.38E2	=	9.95E4	X	32.03	=	3.18E6

* From Instrument Calibration sticker.

Response check source dpm falls in $\pm 20\%$ range from Enclosure 5.2

Yes No

David T. Parsons 5/18/93
Signature/Date

Ba-133 SOURCE DECAY CHART

1992			
DATE	-20%	DECAYED DPM	+20%
06/01	2.64E6	3.30E6	3.96E6
07/01	2.63E6	3.28E6	3.94E6
08/01	2.61E6	3.27E6	3.92E6
09/01	2.60E6	3.25E6	3.90E6
10/01	2.58E6	3.23E6	3.88E6
11/01	2.57E6	3.21E6	3.85E6
12/01	2.56E6	3.19E6	3.83E6

1993			
DATE	-20%	DECAYED DPM	+20%
01/01	2.54E6	3.18E6	3.81E6
02/01	2.53E6	3.16E6	3.79E6
03/01	2.51E6	3.14E6	3.77E6
04/01	2.50E6	3.12E6	3.75E6
05/01	2.49E6	3.11E6	3.73E6
06/01	2.47E6	3.09E6	3.71E6
07/01	2.46E6	3.07E6	3.69E6
08/01	2.45E6	3.06E6	3.67E6
09/01	2.43E6	3.04E6	3.65E6
10/01	2.42E6	3.02E6	3.63E6
11/01	2.40E6	3.01E6	3.61E6
12/01	2.39E6	2.99E6	3.59E6

1994			
DATE	-20%	DECAYED DPM	+20%
01/01	2.38E6	2.97E6	3.57E6
02/01	2.37E6	2.96E6	3.55E6
03/01	2.35E6	2.94E6	3.53E6
04/01	2.34E6	2.92E6	3.51E6
05/01	2.33E6	2.91E6	3.49E6
06/01	2.31E6	2.89E6	3.47E6
07/01	2.30E6	2.88E6	3.45E6
08/01	2.29E6	2.86E6	3.43E6
09/01	2.28E6	2.84E6	3.41E6
10/01	2.26E6	2.83E6	3.39E6
11/01	2.25E6	2.81E6	3.38E6
12/01	2.24E6	2.80E6	3.36E6

1995			
DATE	-20%	DECAYED DPM	+20%
01/01	2.23E6	2.78E6	3.34E6
02/01	2.21E6	2.77E6	3.32E6
03/01	2.20E6	2.75E6	3.30E6
04/01	2.19E6	2.74E6	3.28E6
05/01	2.18E6	2.72E6	3.27E6
06/01	2.17E6	2.71E6	3.25E6
07/01	2.15E6	2.69E6	3.23E6
08/01	2.14E6	2.68E6	3.21E6
09/01	2.13E6	2.66E6	3.20E6
10/01	2.12E6	2.65E6	3.18E6
11/01	2.11E6	2.63E6	3.16E6
12/01	2.10E6	2.62E6	3.14E6

CNS ANNUAL DRILL
CONTROLLER WORKSHEET

HP/O/B/1003/57
Retype # 1
ENCLOSURE 5.3

I-131 FIELD ANALYSIS WORKSHEET

Use equation below with the air sample volume drawn in liters per minute.

$$\frac{(\text{Sample cpm} - \text{Bkg cpm}) (* \text{ Eff Factor}) (9.92\text{E-}4)}{\text{Volume (l)}} = \text{Rem/hr}$$

SAMPLE #	EQUATION	Rem/hr
1) Ba-133 Norm. Position	$\frac{(1.19\text{E}5 - 2.71\text{E}2)(25.92)(9.92\text{E-}4)}{280}$	= 10.9 Rem/hr
	$\frac{(\quad - \quad)(\quad)(9.92\text{E-}4)}{(\quad)}$	= _____ Rem/hr
2) Ba-133 Upside Down	$\frac{(4.5\text{E}4 - 2.71\text{E}2)(25.92)(9.92\text{E-}4)}{280}$	= 4.1 Rem/hr
	$\frac{(\quad - \quad)(\quad)(9.92\text{E-}4)}{(\quad)}$	= _____ Rem/hr
3) Ba-133 Norm. Position	$\frac{(1.\text{E}5 - 5.38\text{E}2)(32.03)(9.92\text{E-}4)}{280}$	= 11.3 Rem/hr
	$\frac{(\quad - \quad)(\quad)(9.92\text{E-}4)}{(\quad)}$	= _____ Rem/hr
4) Ba-133 Upside Down	$\frac{(4.1\text{E}4 - 5.38\text{E}2)(32.03)(9.92\text{E-}4)}{280}$	= 4.6 Rem/hr
	$\frac{(\quad - \quad)(\quad)(9.92\text{E-}4)}{(\quad)}$	= _____ Rem/hr
	$\frac{(\quad - \quad)(\quad)(9.92\text{E-}4)}{(\quad)}$	= _____ Rem/hr
	$\frac{(\quad - \quad)(\quad)(9.92\text{E-}4)}{(\quad)}$	= _____ Rem/hr
	$\frac{(\quad - \quad)(\quad)(9.92\text{E-}4)}{(\quad)}$	= _____ Rem/hr
	$\frac{(\quad - \quad)(\quad)(9.92\text{E-}4)}{(\quad)}$	= _____ Rem/hr

From Instrument Calibration Sticker.

NOTE: Samples 1 & 2 are for instrument #3564
Samples 3 & 4 are for instrument #3563

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME: ~2000 Hrs.

MESSAGE NO.: 53

MESSAGE FOR: (Simulator) Shift Supervisor

MESSAGE: EMF 18 Trip 1

NOTES TO CONTROLLERS: Provide at the appropriate time.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME: ~2015

MESSAGE NO.: 54

MESSAGE FOR: (Simulator) Shift Supervisor

MESSAGE: EMF 18 Trip 2

NOTES TO CONTROLLERS: Provide at the appropriate time.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO.: 55

MESSAGE FOR: Team sent to Pump INIIB *out at turnover*

MESSAGE: Casing has been torqued.

NOTES TO CONTROLLERS: The repair team will be at the mockup and will get a detailed description of what repairs are left to complete.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME: ~2035

MESSAGE NO.: 56

MESSAGE FOR: (Simulator) Shift Supervisor

MESSAGE: EMF 39L Trip 1

NOTES TO CONTROLLERS: This EMF will trip moments after the NCP's seal failure. If SI occurs before the LOCA, EMF 39 will not trip I.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO.: 60

MESSAGE FOR: Players working on RN287A

MESSAGE: Go to mockup for *Service Water* RN287A located in AB 577 level at
_____.

NOTES TO CONTROLLERS: Give to players going to mockup after they get to the real valve location in the plant.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO.: 65

MESSAGE FOR: Team sent to 1RN287A

MESSAGE: Valve has failed in the closed position. Valve is stuck shut and will not reopen by hand.

NOTES TO CONTROLLERS: The Control Room light will show open but the valve will be closed. DO NOT PASS OUT THIS MESSAGE UNTIL AN OPERATOR (SOMEONE) WALKS THE SYSTEM AND PHYSICALLY LOOKS AT 1RN287A.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO.: 75

MESSAGE FOR: Team sent to 1RN287A

MESSAGE: Valve cannot be "jacked" open.

NOTES TO CONTROLLERS: Provide this message if they decide to try jacking the valve open.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO.: 85

MESSAGE FOR: Team sent to 1RN287A

MESSAGE: No spare motor or actuator is available in the warehouse.

NOTES TO CONTROLLERS: Contingency Message as necessary to delay repair. These parts can be obtained at MNS and driven to CNS if the players think to ask.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO.: 90

MESSAGE FOR: Team sent to 1NV872A

MESSAGE: The motor is burned up.

NOTES TO CONTROLLERS: Valve can be opened by hand, but too late to prevent an NCP Seal
LOCA.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO.: 95

MESSAGE FOR: Players at RN287A

MESSAGE: QC checks will need to be done on the repairs to RN287A

NOTES TO CONTROLLERS: CONTINGENCY MESSAGE. Use this message sheet as necessary to extend time it takes to do repairs to ~ 2140. (This can be used if they don't have QC working alongside them while they make repairs)

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO.: 100

MESSAGE FOR: Players at 1B NI Pump

MESSAGE: QC checks will need to be done on the repairs to 1B NI Pump

NOTES TO CONTROLLERS: CONTINGENCY MESSAGE. Use this message sheet as necessary to extend time it takes to do repairs to ~ 2200. (This can be used if they don't have QC working alongside them while they make repairs)

THIS IS A DRILL MESSAGE**DATE:** 5/26/93**TIME:****MESSAGE NO.:** 110**MESSAGE FOR:** Control Room Operator / TSC

MESSAGE: The simulator does not model many of the OAC points needed for this exercise. These will be provided by the exercise controller upon request. Also, many of the OAC Alarms will be provided via controller message sheets.

NOTES TO CONTROLLERS: To be provided following loss of RN flow through the KC heat exchanger.

PUMP DESCRIPTION	START TIME	HI TEMP ALARM (F)	RUN TIME (MIN)						
			0	5	10	15	20	25	30
			TEMPERATURE (F)						
<i>Aux Feedwater</i>									
CAPT I/B BRG TEMP		200	85	110	140	150	150	150	150
CAPT O/B BRG TEMP		200	85	110	140	150	150	150	150
CA PMP NO. 1 I/B BRG TEMP		220	85	110	140	150	150	150	150
CA PMP NO. 1 O/B BRG TEMP		220	85	110	140	150	150	150	150
CA PMP A I/B BRG TEMP		190	85	130	150	150	150	150	150
CA PMP A O/B BRG TEMP		190	85	130	150	150	150	150	150
CA PMP A MTR AIR TEMP		122	85	104	115	122	150	160	180
CA PMP A MTR STATOR TEMP		257	85	150	200	257	300	300	300
CA PMP B I/B BRG TEMP		190	85	130	150	150	150	150	150
CA PMP B O/B BRG TEMP		190	85	130	150	150	150	150	150
CA PMP B MTR AIR TEMP		122	85	104	115	122	150	160	180
CA PMP B MTR STATOR TEMP		257	85	150	200	257	300	300	300
<i>Component Cooling</i>									
KC PMP A1 MTR I/B BRG TEMP		185	135	140	150	160	185	190	200
KC PMP A1 MTR O/B BRG TEMP		185	135	140	150	160	185	190	200
KC PMP A1 MTR STATOR TEMP		257	150	165	185	215	257	300	350
KC PMP A1 I/B BRG TEMP		160	100	110	120	130	140	150	160
KC PMP A1 O/B BRG TEMP		160	100	110	120	130	140	150	160
KC PMP A2 MTR I/B BRG TEMP		185	135	140	150	160	185	190	200
KC PMP A2 MTR O/B BRG TEMP		185	135	140	150	160	185	190	200
KC PMP A2 MTR STATOR TEMP		257	150	165	185	215	257	300	350
KC PMP A2 I/B BRG TEMP		160	100	110	120	130	140	150	160
KC PMP A2 O/B BRG TEMP		160	100	110	120	130	140	150	160

PUMP DESCRIPTION	START TIME	HI TEMP ALARM (F)	RUN TIME (MIN)						
			0	5	10	15	20	25	30
KC PMP B1 MTR I/B BRG TEMP		185	85	140	150	160	185	190	200
KC PMP B1 MTR O/B BRG TEMP		185	85	140	150	160	185	190	200
KC PMP B1 MTR STATOR TEMP		257	85	165	185	215	257	300	350
KC PMP B1 I/B BRG TEMP		160	85	110	120	130	140	150	160
KC PMP B1 O/B BRG TEMP		160	85	110	120	130	140	150	160
KC PMP B2 MTR I/B BRG TEMP		185	85	140	150	160	185	190	200
KC PMP B2 MTR O/B BRG TEMP		185	85	140	150	160	185	190	200
KC PMP B2 MTR STATOR TEMP		257	85	165	185	215	257	300	350
KC PMP B2 I/B BRG TEMP		160	85	110	120	130	140	150	160
KC PMP B2 O/B BRG TEMP		160	85	110	120	130	140	150	160
<i>CVCS</i>									
CENT CHRG PMP A MTR STATOR TEMP		275	210	275	300	325	350	350	350
CENT CHRG PMP B MTR STATOR TEMP		275	85	275	300	325	350	350	350
<i>CVCS</i>									
NV PMP A MTR I/B BRG TEMP		185	135	185	200	220	250	250	250
NV PMP A MTR O/B BRG TEMP		185	135	185	200	220	250	250	250
NV PMP B MTR I/B BRG TEMP		185	85	185	200	220	250	250	250
NV PMP B MTR O/B BRG TEMP		185	85	185	200	220	250	250	250
<i>RHR</i>									
ND PMP A MTR UPPER BRG TEMP		185	85	150	185	220	250	250	250
ND PMP A MTR LOWER BRG TEMP		185	85	150	185	220	250	250	250
ND PMP A MTR STATOR TEMP		275	85	200	275	325	350	350	350

PUMP DESCRIPTION	START TIME	HI TEMP ALARM (F)	RUN TIME (MIN)							
			0	5	10	15	20	25	30	
<i>RHR</i>										
ND PMP B MTR UPPER BRG TEMP		185	85	150	185	220	250	250	250	250
ND PMP B MTR LOWER BRG TEMP		185	85	150	185	220	250	250	250	250
ND PMP B MTR STATOR TEMP		275	85	200	275	325	350	350	350	350
NS PMP A MTR UPPER BRG TEMP		185	85	150	185	220	250	250	250	250
NS PMP A MTR LOWER BRG TEMP		185	85	150	185	220	250	250	250	250
NS PMP A MTR STATOR TEMP		275	85	200	275	325	350	350	350	350
<i>Containment Spray</i>										
NS PMP B MTR UPPER BRG TEMP		185	85	150	185	220	250	250	250	250
NS PMP B MTR LOWER BRG TEMP		185	85	150	185	220	250	250	250	250
NS PMP B MTR STATOR TEMP		275	85	200	275	325	350	350	350	350
<i>Safety Injection</i>										
NI PMP A MTR I/B BRG TEMP		185	85	185	200	220	250	250	250	250
NI PMP A MTR O/B BRG TEMP		185	85	185	200	220	250	250	250	250
NI PMP A MTR STATOR TEMP 3		275	85	275	300	325	350	350	350	350
NI PMP A MTR STATOR TEMP 2		275	85	275	300	325	350	350	350	350
NI PMP A MTR STATOR TEMP 1		275	85	275	300	325	350	350	350	350
NI PMP B MTR I/B BRG TEMP		185	85	185	200	220	250	250	250	250
NI PMP B MTR O/B BRG TEMP		185	85	185	200	220	250	250	250	250
NI PMP B MTR STATOR TEMP 3		275	85	275	300	325	350	350	350	350
NI PMP B MTR STATOR TEMP 2		275	85	275	300	325	350	350	350	350
NI PMP B MTR STATOR TEMP 1		275	85	275	300	325	350	350	350	350

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO. : 111

MESSAGE FOR: Control Room Operator / TSC

MESSAGE: OAC Hi Temperature Alarm for CA PMP A MTR AIR TEMP
122 °F

OAC Hi Temperature Alarm for CA PMP A MTR STATOR TEMP
257 °F

NOTES TO CONTROLLERS: To be given when time is approximately
15 minutes after pump start time.

THIS IS A DRILL MESSAGE

DATE: 5 / 26 / 93

TIME:

MESSAGE NO. : 112

MESSAGE FOR: Control Room Operator / TSC

by Feedback

MESSAGE: OAC Hi Temperature Alarm for CA PMP B MTR AIR TEMP
122 °F

OAC Hi Temperature Alarm for CA PMP B MTR STATOR TEMP
257 °F

NOTES TO CONTROLLERS: To be given when time is approximately
15 minutes after pump start time.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO.: 113

MESSAGE FOR: Control Room Operator / TSC

MESSAGE: OAC Hi Temperature Alarm for ^{control room} KC PMP A1 MTR L/B BRG TEMP
185 °FOAC Hi Temperature Alarm for KC PMP A1 MTR O/B BRG TEMP
185 °FOAC Hi Temperature Alarm for KC PMP A1 MTR STATOR TEMP
257 °F**NOTES TO CONTROLLERS:** To be given when time is approximately
20 minutes after pump start time.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO.: 114

MESSAGE FOR: Control Room Operator / TSC

MESSAGE: OAC Hi Temperature Alarm for **KC PMP A1 I/B BRG TEMP**
160 °F

OAC Hi Temperature Alarm for **KC PMP A1 O/B BRG TEMP**
160 °F

NOTES TO CONTROLLERS: To be given when time is approximately
30 minutes after pump start time.

THIS IS A DRILL MESSAGE**DATE:** 5/26/93**TIME:****MESSAGE NO.:** 115**MESSAGE FOR:** Control Room Operator / TSC**MESSAGE:** OAC Hi Temperature Alarm for **KC PMP A2 MTR I/B BRG TEMP**
185 °FOAC Hi Temperature Alarm for **KC PMP A2 MTR O/B BRG TEMP**
185 °FOAC Hi Temperature Alarm for **KC PMP A2 MTR STATOR TEMP**
257 °F**NOTES TO CONTROLLERS:** To be given when time is approximately
20 minutes after pump start time.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO. : 116

MESSAGE FOR: Control Room Operator / TSC

MESSAGE: OAC Hi Temperature Alarm for ^{CC}KC PMP A2 I/B BRG TEMP
160 °FOAC Hi Temperature Alarm for ^{CC}KC PMP A2 O/B BRG TEMP
160 °F**NOTES TO CONTROLLERS:** To be given when time is approximately
30 minutes after pump start time.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO.: 117

MESSAGE FOR: Control Room Operator / TSC

MESSAGE: OAC Hi Temperature Alarm for KC PMP B1 MTR L/B BRG TEMP
185 °FOAC Hi Temperature Alarm for KC PMP B1 MTR O/B BRG TEMP
185 °FOAC Hi Temperature Alarm for KC PMP B1 MTR STATOR TEMP
257 °F**NOTES TO CONTROLLERS:** To be given when time is approximately
20 minutes after pump start time.

THIS IS A DRILL MESSAGE**DATE:** 5/26/93**TIME:****MESSAGE NO.:** 118**MESSAGE FOR:** Control Room Operator / TSC**MESSAGE:** OAC Hi Temperature Alarm for KC PMP B1 L/B BRG TEMP
160 °FOAC Hi Temperature Alarm for KC PMP B1 O/B BRG TEMP
160 °F**NOTES TO CONTROLLERS:** To be given when time is approximately
30 minutes after pump start time.

THIS IS A DRILL MESSAGE**DATE:** 5/26/93**TIME:****MESSAGE NO.:** 119**MESSAGE FOR:** Control Room Operator / TSC**MESSAGE:** OAC Hi Temperature Alarm for KC PMP B2 MTR I/B BRG TEMP
185 °FOAC Hi Temperature Alarm for KC PMP B2 MTR O/B BRG TEMP
185 °FOAC Hi Temperature Alarm for KC PMP B2 MTR STATOR TEMP
257 °F**NOTES TO CONTROLLERS:** To be given when time is approximately
20 minutes after pump start time.

THIS IS A DRILL MESSAGE**DATE:** 5 / 26 / 93**TIME:****MESSAGE NO.:** 120**MESSAGE FOR:** Control Room Operator / TSC**MESSAGE:** OAC Hi Temperature Alarm for KC PMP B2 I/B BRG TEMP
160 °FOAC Hi Temperature Alarm for KC PMP B2 O/B BRG TEMP
160 °F**NOTES TO CONTROLLERS:** To be given when time is approximately
30 minutes after pump start time.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO. : 121

MESSAGE FOR: Control Room Operator / TSC

MESSAGE: OAC Hi Temperature Alarm for CENT CHRG PMP A MTR STATOR TEMP
275 °FNOTES TO CONTROLLERS: To be given when time is approximately
5 minutes after pump start time.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO.: 122

MESSAGE FOR: Control Room Operator / TSC

MESSAGE: OAC Hi Temperature Alarm for CENT CHRG PMP B MTR STATOR TEMP
275 °FNOTES TO CONTROLLERS: To be given when time is approximately
5 minutes after pump start time.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO. : 123

MESSAGE FOR: Control Room Operator / TSC

MESSAGE: OAC Hi Temperature Alarm for NV PMP A MTR I/B BRG TEMP
185 °FOAC Hi Temperature Alarm for NV PMP A MTR O/B BRG TEMP
185 °FNOTES TO CONTROLLERS: To be given when time is approximately
5 minutes after pump start time.

THIS IS A DRILL MESSAGE**DATE:** 5/26/93**TIME:****MESSAGE NO.:** 124**MESSAGE FOR:** Control Room Operator / TSC**MESSAGE:** OAC Hi Temperature Alarm for NV PMP B MTR I/B BRG TEMP
185 ° FOAC Hi Temperature Alarm for NV PMP B MTR O/B BRG TEMP
185 ° F**NOTES TO CONTROLLERS:** To be given when time is approximately
5 minutes after pump start time.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO. : 125

MESSAGE FOR: Control Room Operator / TSC

MESSAGE: OAC Hi Temperature Alarm for ND PMP A MTR UPPER BRG TEMP
185 °FOAC Hi Temperature Alarm for ND PMP A MTR LOWER BRG TEMP
185 °FOAC Hi Temperature Alarm for ND PMP A MTR STATOR TEMP
275 °FNOTES TO CONTROLLERS: To be given when time is approximately
10 minutes after pump start time.

THIS IS A DRILL MESSAGE

DATE: 5 / 26 / 93

TIME:

MESSAGE NO. : 126

MESSAGE FOR: Control Room Operator / TSC

MESSAGE: OAC Hi Temperature Alarm for ND PMP B MTR UPPER BRG TEMP
185 °F

OAC Hi Temperature Alarm for ND PMP B MTR LOWER BRG TEMP
185 °F

OAC Hi Temperature Alarm for ND PMP B MTR STATOR TEMP
275 °F

NOTES TO CONTROLLERS: To be given when time is approximately
10 minutes after pump start time.

THIS IS A DRILL MESSAGE**DATE: 5/26/93****TIME:****MESSAGE NO. : 127****MESSAGE FOR: Control Room Operator / TSC****MESSAGE: OAC Hi Temperature Alarm for NS PMP A MTR UPPER BRG TEMP
185 °F****OAC Hi Temperature Alarm for NS PMP A MTR LOWER BRG TEMP
185 °F****OAC Hi Temperature Alarm for NS PMP A MTR STATOR TEMP
275 °F****NOTES TO CONTROLLERS: To be given when time is approximately
10 minutes after pump start time.**

THIS IS A DRILL MESSAGE

DATE: 5 / 26 / 93

TIME:

MESSAGE NO. : 128

MESSAGE FOR: Control Room Operator / TSC

MESSAGE: OAC Hi Temperature Alarm for NS PMP B MTR UPPER BRG TEMP
185 ° FOAC Hi Temperature Alarm for NS PMP B MTR LOWER BRG TEMP
185 ° FOAC Hi Temperature Alarm for NS PMP B MTR STATOR TEMP
275 ° FNOTES TO CONTROLLERS: To be given when time is approximately
10 minutes after pump start time.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO. : 129

MESSAGE FOR: Control Room Operator / TSC

MESSAGE: OAC Hi Temperature Alarm for NI PMP A MTR I/B BRG TEMP
185 °F

OAC Hi Temperature Alarm for NI PMP A MTR O/B BRG TEMP
185 °F

OAC Hi Temperature Alarm for NI PMP A MTR STATOR TEMP 3
275 °F

OAC Hi Temperature Alarm for NI PMP A MTR STATOR TEMP 2
275 °F

OAC Hi Temperature Alarm for NI PMP A MTR STATOR TEMP 1
275 °F

NOTES TO CONTROLLERS: To be given when time is approximately
5 minutes after pump start time.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO.: 130

MESSAGE FOR: Control Room Operator / TSC

MESSAGE: OAC Hi Temperature Alarm for NI PMP B MTR I/B BRG TEMP
185 ° F

OAC Hi Temperature Alarm for NI PMP B MTR O/B BRG TEMP
185 ° F

OAC Hi Temperature Alarm for NI PMP B MTR STATOR TEMP 3
275 ° F

OAC Hi Temperature Alarm for NI PMP B MTR STATOR TEMP 2
275 ° F

OAC Hi Temperature Alarm for NI PMP B MTR STATOR TEMP 1
275 ° F

NOTES TO CONTROLLERS: To be given when time is approximately
5 minutes after pump start time.

THIS IS A DRILL MESSAGE

DATE: 5/26/93

TIME:

MESSAGE NO.: 200

MESSAGE FOR: EOF EC

MESSAGE: Exercise is terminated. Please announce this to all participants.
Critique to follow in EOF and TSC.

NOTES TO CONTROLLERS: Wait for all Lead Controllers to agree to stop the drill.

GROUP: 05	PRIMARY SYSTEMS		
1. P0828	5 HIGHEST IN-CORE T/C TEMP	621.290	DEG F
2. A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	620.143	DEG F
3. A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	620.144	DEG F
4. A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	620.143	DEG F
5. A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	620.143	DEG F
6. A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	561.615	DEG F
7. A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	561.614	DEG F
8. A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	561.637	DEG F
9. A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	561.611	DEG F
10. P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED	DEG F
11. P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED	DEG F
12. P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED	DEG F
13. P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED	DEG F
14. P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED	DEG F
15. P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	2262.56	PSIA
16. A0707	PZR LEVEL CH I	59.7648	%
17. D2037	REACTOR COOLANT PUMP A	ON	
18. D2085	REACTOR COOLANT PUMP B	ON	
19. D2038	REACTOR COOLANT PUMP C	ON	
20. D2086	REACTOR COOLANT PUMP D	ON	
21. P0166	RVLIS TRAIN A D/P	109.946	%
22. P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	60.0	%
23. P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	70.0	%
25. A1500	SOURCE RANGE LEVEL CHANNEL 1	1.0	CPS
26. A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	0.44773	MA
27. P0738	POWER RANGE AVG LEVEL AVG	100.993	%
GROUP: 10	SECONDARY SYSTEMS		
1. A0674	S/G A WIDE RANGE LEVEL	64.2606	%
2. A0680	S/G B WIDE RANGE LEVEL	64.2607	%
3. A0686	S/G C WIDE RANGE LEVEL	64.2602	%
4. A0692	S/G D WIDE RANGE LEVEL	64.2606	%
5. A0531	S/G A NARROW RANGE LEVEL CH 1	66.7949	%
6. A0537	S/G B NARROW RANGE LEVEL CH 2	66.7960	%
7. A0627	S/G C NARROW RANGE LEVEL CH 3	66.7945	%
8. A0639	S/G D NARROW RANGE LEVEL CH 4	66.7950	%
9. A0723	S/G A STEAM PRESS CH #1	1009.02	PSIG
10. A0729	S/G B STEAM PRESS CH #1	1009.01	PSIG
11. A0735	S/G C STEAM PRESS CH #1	1009.03	PSIG
12. A0741	S/G D STEAM PRESS CH #1	1009.01	PSIG
13. P0154	S/G A FEEDWATER FLOW CH 1	3.74739	MPPH
14. P0156	S/G B FEEDWATER FLOW CH 1	3.74799	MPPH
15. P0158	S/G C FEEDWATER FLOW CH 1	3.74804	MPPH
16. P0160	S/G D FEEDWATER FLOW CH 1	3.74828	MPPH
17. A0974	CA FLOW TO S/G A (0 TO 600 GPM)	209.033	GPM
18. A0975	CA FLOW TO S/G B (0 TO 600 GPM)	209.042	GPM
19. A0976	CA FLOW TO S/G C (0 TO 600 GPM)	209.026	GPM
20. A0977	CA FLOW TO S/G D (0 TO 600 GPM)	209.069	GPM
21. P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0	LB

GROUP: 15 ----- AUXILIARY SYSTEMS -----

1. A0452	NV LETDOWN FLOW	72.2216	GPM
2. A0820	CHARGING LINE FLOW CONTROL	85.8301	GPM
3. A1262	FWST LEVEL CH 1	96.0933	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.12624	KV
6. A0575	4KV BUS ETB VOLTS	4.14187	KV

GROUP: 20 ----- SAFETY INJECTION SYSTEMS -----

1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	ON	
3. D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	0.0	GPM
11. D2445	ND PUMP B	OFF	
12. A0908	ND HX B OUTLET FLOW	1.7120E-02	GPM

SI (next to row 6)
RHR (next to row 11)

GROUP: 25 ----- CONTAINMENT SYSTEMS -----

1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	0.06334	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	85.6534	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	0.5	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	OFF	
6. D2438	NS PUMP B <i>Cont. Spray</i>	OFF	

GROUP: 30 ----- ADDITIONAL PRIMARY SYSTEMS DATA -----

1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	0.48044	GPM
2. A0092	IN-CORE TEMP G04	619.530	DEG F
3. A0051	IN-CORE TEMP L04	615.885	DEG F
4. A0057	IN-CORE TEMP L08	619.261	DEG F
5. A0033	IN-CORE TEMP J10	620.664	DEG F
6. A0081	IN-CORE TEMP N06	621.598	DEG F
7. A0087	IN-CORE TEMP N10	621.666	DEG F
8. A0063	IN-CORE TEMP L12	616.003	DEG F
9. A0104	IN-CORE TEMP G12	616.710	DEG F
10. A0050	IN-CORE TEMP C08	617.839	DEG F
11. A0038	IN-CORE TEMP C04	615.801	DEG F
12. A0062	IN-CORE TEMP E02	615.875	DEG F
13. A0086	IN-CORE TEMP G02	616.663	DEG F
14. A0116	IN-CORE TEMP J02	619.167	DEG F
15. A0075	IN-CORE TEMP N04	615.853	DEG F
16. A0093	IN-CORE TEMP N12	616.022	DEG F
17. A0039	IN-CORE TEMP J14	616.733	DEG F
18. A0110	IN-CORE TEMP G14	612.613	DEG F
19. A0080	IN-CORE TEMP E14	615.937	DEG F
20. A0056	IN-CORE TEMP C12	615.848	DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	621.326 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	620.178 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	620.179 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	620.178 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	620.178 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	561.646 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	561.645 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	561.669 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	561.642 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	2261.51 PSIA
16.	A0707	PZR LEVEL CH I	59.8318 %
17.	D2037	REACTOR COOLANT PUMP A	ON
18.	D2085	REACTOR COOLANT PUMP B	ON
19.	D2038	REACTOR COOLANT PUMP C	ON
20.	D2086	REACTOR COOLANT PUMP D	ON
21.	P0166	RVLIS TRAIN A D/P	109.944 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	60.0 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	70.0 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	1.0 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	0.44750 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	100.943 %

GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	64.2546 %
2.	A0680	S/G B WIDE RANGE LEVEL	64.2549 %
3.	A0686	S/G C WIDE RANGE LEVEL	64.2548 %
4.	A0692	S/G D WIDE RANGE LEVEL	64.2550 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	66.7827 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	66.7825 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	66.7826 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	66.7828 %
9.	A0723	S/G A STEAM PRESS CH #1	1009.25 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	1009.25 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	1009.26 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	1009.25 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	3.74822 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	3.74837 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	3.74858 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	3.74897 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	209.069 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	209.069 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	209.016 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	209.095 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

GROUP:	SYSTEMS	VALUE	UNIT
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	72.1904	GPM
2. A0820	CHARGING LINE FLOW CONTROL	86.1520	GPM
3. A1262	FWST LEVEL CH 1	96.0933	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.12624	KV
6. A0575	4KV BUS ETB VOLTS	4.14188	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	ON	
3. D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	0.0	GPM
11. D2445	ND PUMP B	OFF	
12. A0908	ND HX B OUTLET FLOW	1.7120E-02	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	0.06324	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	85.6558	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	0.5	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	OFF	
6. D2438	NS PUMP B	OFF	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	0.48044	GPM
2. A0092	IN-CORE TEMP G04	619.563	DEG F
3. A0051	IN-CORE TEMP L04	615.917	DEG F
4. A0057	IN-CORE TEMP L08	619.296	DEG F
5. A0033	IN-CORE TEMP J10	620.699	DEG F
6. A0081	IN-CORE TEMP N06	621.632	DEG F
7. A0087	IN-CORE TEMP N10	621.700	DEG F
8. A0063	IN-CORE TEMP L12	616.037	DEG F
9. A0104	IN-CORE TEMP G12	616.744	DEG F
10. A0050	IN-CORE TEMP C08	617.873	DEG F
11. A0038	IN-CORE TEMP C04	615.835	DEG F
12. A0062	IN-CORE TEMP E02	615.910	DEG F
13. A0086	IN-CORE TEMP G02	616.697	DEG F
14. A0116	IN-CORE TEMP J02	619.201	DEG F
15. A0075	IN-CORE TEMP N04	615.887	DEG F
16. A0093	IN-CORE TEMP N12	616.056	DEG F
17. A0039	IN-CORE TEMP J14	616.767	DEG F
18. A0110	IN-CORE TEMP G14	612.647	DEG F
19. A0080	IN-CORE TEMP E14	615.972	DEG F
20. A0056	IN-CORE TEMP C12	615.882	DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	621.360 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	620.212 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	620.212 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	620.212 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	620.213 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	561.676 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	561.675 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	561.698 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	561.671 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	2259.81 PSIA
16.	A0707	PZR LEVEL CH I	59.8971 %
17.	D2037	REACTOR COOLANT PUMP A	ON
18.	D2085	REACTOR COOLANT PUMP B	ON
19.	D2038	REACTOR COOLANT PUMP C	ON
20.	D2036	REACTOR COOLANT PUMP D	ON
21.	P0160	RVLIS TRAIN A D/P	109.941 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	60.0 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	70.0 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	1.0 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	0.44730 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	100.893 %

GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	64.2490 %
2.	A0680	S/G B WIDE RANGE LEVEL	64.2491 %
3.	A0686	S/G C WIDE RANGE LEVEL	64.2490 %
4.	A0692	S/G D WIDE RANGE LEVEL	64.2488 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	66.7684 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	66.7686 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	66.7683 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	66.7669 %
9.	A0723	S/G A STEAM PRESS CH #1	1009.49 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	1009.48 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	1009.50 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	1009.48 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	3.74849 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	3.74888 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	3.74875 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	3.74959 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	209.069 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	209.056 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	209.016 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	209.082 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

GROUP:	SYSTEMS		
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	72.1628	GPM
2. A0820	CHARGING LINE FLOW CONTROL	86.1350	GPM
3. A1262	FWST LEVEL CH 1	96.0933	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.12624	KV
6. A0575	4KV BUS ETB VOLTS	4.14187	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	ON	
3. D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	0.0	GPM
11. D2445	ND PUMP B	OFF	
12. A0908	ND HX B OUTLET FLOW	1.7120E-02	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	0.06314	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	85.6553	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	0.5	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	OFF	
6. D2438	NS PUMP B	OFF	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	0.48044	GPM
2. A0092	IN-CORE TEMP G04	619.598	DEG F
3. A0051	IN-CORE TEMP L04	615.952	DEG F
4. A0057	IN-CORE TEMP L08	619.330	DEG F
5. A0033	IN-CORE TEMP J10	620.733	DEG F
6. A0081	IN-CORE TEMP N06	621.666	DEG F
7. A0087	IN-CORE TEMP N10	621.734	DEG F
8. A0063	IN-CORE TEMP L12	616.071	DEG F
9. A0104	IN-CORE TEMP G12	616.778	DEG F
10. A0050	IN-CORE TEMP C08	617.907	DEG F
11. A0038	IN-CORE TEMP C04	615.868	DEG F
12. A0062	IN-CORE TEMP E02	615.943	DEG F
13. A0086	IN-CORE TEMP G02	616.731	DEG F
14. A0116	IN-CORE TEMP J02	619.235	DEG F
15. A0075	IN-CORE TEMP N04	615.920	DEG F
16. A0093	IN-CORE TEMP N12	616.089	DEG F
17. A0039	IN-CORE TEMP J14	616.800	DEG F
18. A0110	IN-CORE TEMP G14	612.680	DEG F
19. A0080	IN-CORE TEMP E14	616.006	DEG F
20. A0056	IN-CORE TEMP C12	615.916	DEG F

GROUP: 05	-----	PRIMARY SYSTEMS	-----	-----
1. P0828	5 HIGHEST IN-CORE T/C TEMP	621.427	DEG F	
2. A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	620.281	DEG F	
3. A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	620.282	DEG F	
4. A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	620.281	DEG F	
5. A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	620.281	DEG F	
6. A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	561.735	DEG F	
7. A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	561.735	DEG F	
8. A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	561.758	DEG F	
9. A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	561.731	DEG F	
10. P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED	DEG F	
11. P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED	DEG F	
12. P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED	DEG F	
13. P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED	DEG F	
14. P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED	DEG F	
15. P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	2257.81	PSIA	
16. A0707	PZR LEVEL CH I	59.9933	%	
17. D2037	REACTOR COOLANT PUMP A	ON		
18. D2085	REACTOR COOLANT PUMP B	ON		
19. D2038	REACTOR COOLANT PUMP C	ON		
20. D2086	REACTOR COOLANT PUMP D	ON		
21. P0166	RVLIS TRAIN A D/P	109.937	%	
22. P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	60.0	%	
23. P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	70.0	%	
25. A1500	SOURCE RANGE LEVEL CHANNEL 1	1.0	CPS	
26. A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	0.44685	MA	
27. P0738	POWER RANGE AVG LEVEL AVG	100.798	%	
GROUP: 10	-----	SECONDARY SYSTEMS	-----	-----
1. A0674	S/G A WIDE RANGE LEVEL	64.2367	%	
2. A0680	S/G B WIDE RANGE LEVEL	64.2368	%	
3. A0686	S/G C WIDE RANGE LEVEL	64.2368	%	
4. A0692	S/G D WIDE RANGE LEVEL	64.2365	%	
5. A0531	S/G A NARROW RANGE LEVEL CH 1	66.7388	%	
6. A0537	S/G B NARROW RANGE LEVEL CH 2	66.7389	%	
7. A0627	S/G C NARROW RANGE LEVEL CH 3	66.7390	%	
8. A0639	S/G D NARROW RANGE LEVEL CH 4	66.7385	%	
9. A0723	S/G A STEAM PRESS CH #1	1009.95	PSIG	
10. A0729	S/G B STEAM PRESS CH #1	1009.95	PSIG	
11. A0735	S/G C STEAM PRESS CH #1	1009.97	PSIG	
12. A0741	S/G D STEAM PRESS CH #1	1009.95	PSIG	
13. P0154	S/G A FEEDWATER FLOW CH 1	3.74964	MPPH	
14. P0156	S/G B FEEDWATER FLOW CH 1	3.75002	MPPH	
15. P0158	S/G C FEEDWATER FLOW CH 1	3.74983	MPPH	
16. P0160	S/G D FEEDWATER FLOW CH 1	3.75066	MPPH	
17. A0974	CA FLOW TO S/G A (0 TO 600 GPM)	209.052	GPM	
18. A0975	CA FLOW TO S/G B (0 TO 600 GPM)	209.082	GPM	
19. A0976	CA FLOW TO S/G C (0 TO 600 GPM)	209.029	GPM	
20. A0977	CA FLOW TO S/G D (0 TO 600 GPM)	209.062	GPM	
21. P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0	LB	

CNS SIMULATOR DATA

Date: 05 26 1993 Time: 0735P

GROUP:	SYSTEMS	VALUE	UNIT
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	72.1240	GPM
2. A0820	CHARGING LINE FLOW CONTROL	85.9007	GPM
3. A1262	FWST LEVEL CH 1	96.0932	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.12625	KV
6. A0575	4KV BUS ETB VOLTS	4.14187	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	ON	
3. D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	0.0	GPM
11. D2445	ND PUMP B	OFF	
12. A0908	ND HX B OUTLET FLOW	1.7120E-02	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	0.06309	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	85.6546	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	0.5	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	OFF	
6. D2438	NS PUMP B	OFF	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	3.15030	GPM
2. A0092	IN-CORE TEMP G04	619.666	DEG F
3. A0051	IN-CORE TEMP L04	616.019	DEG F
4. A0057	IN-CORE TEMP L08	619.397	DEG F
5. A0033	IN-CORE TEMP J10	620.800	DEG F
6. A0081	IN-CORE TEMP N06	621.734	DEG F
7. A0087	IN-CORE TEMP N10	621.802	DEG F
8. A0063	IN-CORE TEMP L12	616.138	DEG F
9. A0104	IN-CORE TEMP G12	616.844	DEG F
10. A0050	IN-CORE TEMP C08	617.974	DEG F
11. A0038	IN-CORE TEMP C04	615.935	DEG F
12. A0062	IN-CORE TEMP E02	616.010	DEG F
13. A0086	IN-CORE TEMP G02	616.798	DEG F
14. A0116	IN-CORE TEMP J02	619.302	DEG F
15. A0075	IN-CORE TEMP N04	615.988	DEG F
16. A0093	IN-CORE TEMP N12	616.156	DEG F
17. A0039	IN-CORE TEMP J14	616.867	DEG F
18. A0110	IN-CORE TEMP G14	612.747	DEG F
19. A0080	IN-CORE TEMP E14	616.072	DEG F
20. A0056	IN-CORE TEMP C12	615.983	DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	621.456 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	620.310 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	620.310 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	620.310 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	620.310 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	561.760 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	561.759 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	561.783 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	561.756 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	2257.81 PSIA
16.	A0707	PZR LEVEL CH I	60.0204 %
17.	D2037	REACTOR COOLANT PUMP A	ON
18.	D2085	REACTOR COOLANT PUMP B	ON
19.	D2038	REACTOR COOLANT PUMP C	ON
20.	D2086	REACTOR COOLANT PUMP D	ON
21.	P0166	RVLIS TRAIN A D/P	109.936 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	60.0 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	70.0 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	1.0 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	0.44664 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	100.757 %
GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	64.2314 %
2.	A0680	S/G B WIDE RANGE LEVEL	64.2315 %
3.	A0686	S/G C WIDE RANGE LEVEL	64.2311 %
4.	A0692	S/G D WIDE RANGE LEVEL	64.2312 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	66.7265 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	66.7265 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	66.7263 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	66.7262 %
9.	A0723	S/G A STEAM PRESS CH #1	1010.16 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	1010.15 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	1010.17 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	1010.15 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	3.75002 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	3.75057 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	3.75059 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	3.75106 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	208.980 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	208.951 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	208.922 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	208.980 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

CNS SIMULATOR DATA

Date: 05 26 1993 Time: 0740P

GROUP:	SYSTEMS	VALUE	UNIT
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	72.1240	GPM
2. A0820	CHARGING LINE FLOW CONTROL	85.5596	GPM
3. A1262	FWST LEVEL CH 1	96.0932	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.12623	KV
6. A0575	4KV BUS ETB VOLTS	4.14184	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	ON	
3. D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	0.0	GPM
11. D2445	ND PUMP B	OFF	
12. A0908	ND HX B OUTLET FLOW	1.7120E-02	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	0.06310	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	85.6546	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	0.5	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	OFF	
6. D2438	NS PUMP B	OFF	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	3.15030	GPM
2. A0092	IN-CORE TEMP G04	619.694	DEG F
3. A0051	IN-CORE TEMP L04	616.047	DEG F
4. A0057	IN-CORE TEMP L08	619.425	DEG F
5. A0033	IN-CORE TEMP J10	620.828	DEG F
6. A0081	IN-CORE TEMP N06	621.762	DEG F
7. A0087	IN-CORE TEMP N10	621.829	DEG F
8. A0063	IN-CORE TEMP L12	616.166	DEG F
9. A0104	IN-CORE TEMP G12	616.873	DEG F
10. A0050	IN-CORE TEMP C08	618.002	DEG F
11. A0038	IN-CORE TEMP C04	615.963	DEG F
12. A0062	IN-CORE TEMP E02	616.038	DEG F
13. A0086	IN-CORE TEMP G02	616.826	DEG F
14. A0116	IN-CORE TEMP J02	619.330	DEG F
15. A0075	IN-CORE TEMP N04	616.015	DEG F
16. A0093	IN-CORE TEMP N12	616.184	DEG F
17. A0039	IN-CORE TEMP J14	616.895	DEG F
18. A0110	IN-CORE TEMP G14	612.774	DEG F
19. A0080	IN-CORE TEMP E14	616.102	DEG F
20. A0056	IN-CORE TEMP C12	616.012	DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	580.372 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	581.901 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	586.160 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	581.901 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	581.935 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	542.144 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	542.242 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	542.144 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	542.340 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	1946.28 PSIA
16.	A0707	PZR LEVEL CH I	17.1509 %
17.	D2037	REACTOR COOLANT PUMP A	OFF
18.	D2085	REACTOR COOLANT PUMP B	OFF
19.	D2038	REACTOR COOLANT PUMP C	OFF
20.	D2086	REACTOR COOLANT PUMP D	OFF
21.	P0166	RVLIS TRAIN A D/P	-1.0 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	99.9622 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	70.0 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	1.0 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	9.0530E-04 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	1.33393 %
GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	47.2028 %
2.	A0680	S/G B WIDE RANGE LEVEL	47.2109 %
3.	A0686	S/G C WIDE RANGE LEVEL	47.7414 %
4.	A0692	S/G D WIDE RANGE LEVEL	47.5039 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	6.70069 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	7.50794 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	12.2000 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	7.86012 %
9.	A0723	S/G A STEAM PRESS CH #1	902.961 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	897.413 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	897.697 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	897.406 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	0.0 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	0.0 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	0.0 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	0.0 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	328.699 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	600.0 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	600.0 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	328.453 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

GROUP:	SYSTEMS		
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	0.0	GPM
2. A0820	CHARGING LINE FLOW CONTROL	0.0	GPM
3. A1262	FWST LEVEL CH 1	96.0932	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.10091	KV
6. A0575	4KV BUS ETB VOLTS	4.11122	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	0.0	GPM
11. D2445	ND PUMP B	OFF	
12. A0908	ND HX B OUTLET FLOW	1.7120E-02	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	1.667E-0	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	65.508	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	0.5	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	OFF	
6. D2438	NS PUMP B	OFF	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	3.15030	GPM
2. A0092	IN-CORE TEMP G04	574.179	DEG F
3. A0051	IN-CORE TEMP L04	573.642	DEG F
4. A0057	IN-CORE TEMP L08	574.139	DEG F
5. A0033	IN-CORE TEMP J10	574.346	DEG F
6. A0081	IN-CORE TEMP N06	574.484	DEG F
7. A0087	IN-CORE TEMP N10	574.493	DEG F
8. A0063	IN-CORE TEMP L12	573.659	DEG F
9. A0104	IN-CORE TEMP G12	573.763	DEG F
10. A0050	IN-CORE TEMP C08	573.929	DEG F
11. A0038	IN-CORE TEMP C04	573.629	DEG F
12. A0062	IN-CORE TEMP E02	573.640	DEG F
13. A0086	IN-CORE TEMP G02	573.756	DEG F
14. A0116	IN-CORE TEMP J02	574.125	DEG F
15. A0075	IN-CORE TEMP N04	573.637	DEG F
16. A0093	IN-CORE TEMP N12	572.842	DEG F
17. A0039	IN-CORE TEMP J14	572.944	DEG F
18. A0110	IN-CORE TEMP G14	572.350	DEG F
19. A0080	IN-CORE TEMP E14	572.829	DEG F
20. A0056	IN-CORE TEMP C12	572.817	DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	575.979 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	574.737 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	575.674 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	574.737 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	574.737 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	545.186 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	545.175 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	545.175 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	545.184 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	2005.47 PSIA
16.	A0707	PZR LEVEL CH I	19.0099 %
17.	D2037	REACTOR COOLANT PUMP A	OFF
18.	D2085	REACTOR COOLANT PUMP B	OFF
19.	D2038	REACTOR COOLANT PUMP C	OFF
20.	D2086	REACTOR COOLANT PUMP D	OFF
21.	P0166	RVLIS TRAIN A D/P	-1.0 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	99.9714 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	70.0 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	1.0 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.2040E-05 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	5.0951E-03 %
GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	49.4125 %
2.	A0680	S/G B WIDE RANGE LEVEL	54.2899 %
3.	A0686	S/G C WIDE RANGE LEVEL	55.1237 %
4.	A0692	S/G D WIDE RANGE LEVEL	49.5268 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	14.9259 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	32.5762 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	34.9279 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	15.4595 %
9.	A0723	S/G A STEAM PRESS CH #1	938.165 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	938.071 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	938.073 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	938.090 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	0.0 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	0.0 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	0.0 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	0.0 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	323.989 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	600.0 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	600.0 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	323.966 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

GROUP:	SYSTEMS		
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	0.0	GPM
2. A0820	CHARGING LINE FLOW CONTROL	48.1580	GPM
3. A1262	FWST LEVEL CH 1	96.0932	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.10111	KV
6. A0575	4KV BUS ETB VOLTS	4.10829	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	ON	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	0.0	GPM
11. D2445	ND PUMP B	OFF	
12. A0908	ND HX B OUTLET FLOW	1.7120E-02	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	2.0187E-02	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	85.0445	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	0.5	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	OFF	
6. D2438	NS PUMP B	OFF	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	-405.077	GPM
2. A0092	IN-CORE TEMP G04	572.317	DEG F
3. A0051	IN-CORE TEMP L04	571.875	DEG F
4. A0057	IN-CORE TEMP L08	572.284	DEG F
5. A0033	IN-CORE TEMP J10	572.455	DEG F
6. A0081	IN-CORE TEMP N06	572.568	DEG F
7. A0087	IN-CORE TEMP N10	572.576	DEG F
8. A0063	IN-CORE TEMP L12	571.889	DEG F
9. A0104	IN-CORE TEMP G12	571.975	DEG F
10. A0050	IN-CORE TEMP C08	572.112	DEG F
11. A0038	IN-CORE TEMP C04	571.864	DEG F
12. A0062	IN-CORE TEMP E02	571.873	DEG F
13. A0086	IN-CORE TEMP G02	571.969	DEG F
14. A0116	IN-CORE TEMP J02	572.273	DEG F
15. A0075	IN-CORE TEMP N04	571.871	DEG F
16. A0093	IN-CORE TEMP N12	571.891	DEG F
17. A0039	IN-CORE TEMP J14	571.978	DEG F
18. A0110	IN-CORE TEMP G14	571.478	DEG F
19. A0080	IN-CORE TEMP E14	571.881	DEG F
20. A0056	IN-CORE TEMP C12	571.870	DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	573.810 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	569.497 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	569.629 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	569.539 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	569.497 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	548.507 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	545.357 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	543.286 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	548.519 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	2028.66 PSIA
16.	A0707	PZR LEVEL CH I	21.6953 %
17.	D2037	REACTOR COOLANT PUMP A	OFF
18.	D2085	REACTOR COOLANT PUMP B	OFF
19.	D2038	REACTOR COOLANT PUMP C	OFF
20.	D2086	REACTOR COOLANT PUMP D	OFF
21.	P0166	RVLIS TRAIN A D/P	-1.0 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	99.9834 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	70.0 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	1.0 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	2.5620E-07 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	9.3809E-05 %
GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	50.7055 %
2.	A0680	S/G B WIDE RANGE LEVEL	57.5951 %
3.	A0686	S/G C WIDE RANGE LEVEL	58.2721 %
4.	A0692	S/G D WIDE RANGE LEVEL	50.8814 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	22.6614 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	45.3313 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	47.7680 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	23.5478 %
9.	A0723	S/G A STEAM PRESS CH #1	1028.86 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	1028.85 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	1028.86 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	1028.86 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	0.0 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	0.0 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	0.0 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	0.0 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	306.948 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	306.872 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	306.860 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	306.863 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

GROUP:	SYSTEMS		
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	0.0	GPM
2. A0820	CHARGING LINE FLOW CONTROL	27.8259	GPM
3. A1262	FWST LEVEL CH 1	96.0932	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.10082	KV
6. A0575	4KV BUS ETB VOLTS	4.10823	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	ON	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	0.0	GPM
11. D2445	ND PUMP B	OFF	
12. A0908	ND HX B OUTLET FLOW	1.7120E-02	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	1.8162E-02	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	85.1286	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	0.5	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	OFF	
6. D2438	NS PUMP B	OFF	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	-405.077	GPM
2. A0092	IN-CORE TEMP G04	573.967	DEG F
3. A0051	IN-CORE TEMP L04	573.566	DEG F
4. A0057	IN-CORE TEMP L08	573.937	DEG F
5. A0033	IN-CORE TEMP J10	574.092	DEG F
6. A0081	IN-CORE TEMP N06	574.194	DEG F
7. A0087	IN-CORE TEMP N10	574.202	DEG F
8. A0063	IN-CORE TEMP L12	573.579	DEG F
9. A0104	IN-CORE TEMP G12	573.657	DEG F
10. A0050	IN-CORE TEMP C08	573.781	DEG F
11. A0038	IN-CORE TEMP C04	573.557	DEG F
12. A0062	IN-CORE TEMP E02	573.565	DEG F
13. A0086	IN-CORE TEMP G02	573.652	DEG F
14. A0116	IN-CORE TEMP J02	573.927	DEG F
15. A0075	IN-CORE TEMP N04	573.563	DEG F
16. A0093	IN-CORE TEMP N12	573.581	DEG F
17. A0039	IN-CORE TEMP J14	573.660	DEG F
18. A0110	IN-CORE TEMP G14	573.207	DEG F
19. A0080	IN-CORE TEMP E14	573.572	DEG F
20. A0056	IN-CORE TEMP C12	573.562	DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	577.760 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	573.676 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	573.758 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	573.757 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	573.676 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	555.722 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	549.530 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	548.635 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	555.717 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	2140.78 PSIA
16.	A0707	PZR LEVEL CH I	28.7664 %
17.	D2037	REACTOR COOLANT PUMP A	OFF
18.	D2085	REACTOR COOLANT PUMP B	OFF
19.	D2038	REACTOR COOLANT PUMP C	OFF
20.	D2086	REACTOR COOLANT PUMP D	OFF
21.	P0166	RVLIS TRAIN A D/P	-1.0 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	99.9872 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	70.0 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	964.090 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	1.7950E-06 %
GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	52.8641 %
2.	A0680	S/G B WIDE RANGE LEVEL	58.2034 %
3.	A0686	S/G C WIDE RANGE LEVEL	58.9197 %
4.	A0692	S/G D WIDE RANGE LEVEL	53.0527 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	30.7885 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	48.1053 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	50.4219 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	31.4879 %
9.	A0723	S/G A STEAM PRESS CH #1	1088.84 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	1088.81 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	1088.81 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	1088.81 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	0.0 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	0.0 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	0.0 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	0.0 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	187.664 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	0.0 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	0.0 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	187.667 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

GROUP: 15		----- AUXILIARY SYSTEMS -----	
1.	A0452	NV LETDOWN FLOW	8.30483 GPM
2.	A0820	CHARGING LINE FLOW CONTROL	24.7182 GPM
3.	A1262	FWST LEVEL CH 1	96.0932 %
4.	A1013	SNSWP LEVEL (566 TO 572 FT)	572.016 FT
5.	A0586	4KV BUS ETA VOLTS	4.10165 KV
6.	A0575	4KV BUS ETB VOLTS	4.10863 KV
GROUP: 20		----- SAFETY INJECTION SYSTEMS -----	
1.	P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED gpm
2.	D2450	CENTRIFUGAL CHARGING PUMP A	OFF
3.	D2440	CENTRIFUGAL CHARGING PUMP B	ON
4.	A0447	NV/CCP COLD LEG INJ FLOW	0.0 GPM
5.	D2456	NI PUMP A	OFF
6.	A1512	NI PUMP A INJECTION FLOW	0.0 GPM
7.	D2446	NI PUMP B	OFF
8.	A1518	NI PUMP B INJECTION FLOW	0.0 GPM
9.	D2455	ND PUMP A	OFF
10.	A0902	ND HX A OUTLET FLOW	0.0 GPM
11.	D2445	ND PUMP B	OFF
12.	A0908	ND HX B OUTLET FLOW	1.7120E-02 GPM
GROUP: 25		----- CONTAINMENT SYSTEMS -----	
1.	A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	1.8595E-02 PSIG
2.	P1500	UPPER CONT AVG TEMP - OPERATING UNITS	85.1347 DEG F
3.	A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	0.5 FT
4.	A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0 %
5.	D2448	NS PUMP A	OFF
6.	D2438	NS PUMP B	OFF
GROUP: 30		----- ADDITIONAL PRIMARY SYSTEMS DATA -----	
1.	P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	124.204 GPM
2.	A0092	IN-CORE TEMP G04	578.146 DEG F
3.	A0051	IN-CORE TEMP L04	577.776 DEG F
4.	A0057	IN-CORE TEMP L08	578.120 DEG F
5.	A0033	IN-CORE TEMP J10	578.262 DEG F
6.	A0081	IN-CORE TEMP N06	578.357 DEG F
7.	A0087	IN-CORE TEMP N10	578.364 DEG F
8.	A0063	IN-CORE TEMP L12	577.788 DEG F
9.	A0104	IN-CORE TEMP G12	577.860 DEG F
10.	A0050	IN-CORE TEMP C08	577.975 DEG F
11.	A0038	IN-CORE TEMP C04	577.768 DEG F
12.	A0062	IN-CORE TEMP E02	577.775 DEG F
13.	A0086	IN-CORE TEMP G02	577.855 DEG F
14.	A0116	IN-CORE TEMP J02	578.110 DEG F
15.	A0075	IN-CORE TEMP N04	577.773 DEG F
16.	A0093	IN-CORE TEMP N12	577.790 DEG F
17.	A0039	IN-CORE TEMP J14	577.862 DEG F
18.	A0110	IN-CORE TEMP G14	577.444 DEG F
19.	A0080	IN-CORE TEMP E14	577.782 DEG F
20.	A0056	IN-CORE TEMP C12	577.773 DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	579.969 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	577.006 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	577.018 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	577.018 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	577.006 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	556.435 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	554.441 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	554.087 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	556.428 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	2233.24 PSIA
16.	A0707	PZR LEVEL CH I	34.6044 %
17.	D2037	REACTOR COOLANT PUMP A	OFF
18.	D2085	REACTOR COOLANT PUMP B	OFF
19.	D2038	REACTOR COOLANT PUMP C	OFF
20.	D2086	REACTOR COOLANT PUMP D	OFF
21.	P0166	RVLIS TRAIN A D/P	-1.0 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	99.9765 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	70.0 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	40.4505 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	9.7290E-08 %
GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	53.5616 %
2.	A0680	S/G B WIDE RANGE LEVEL	57.3865 %
3.	A0686	S/G C WIDE RANGE LEVEL	58.1496 %
4.	A0692	S/G D WIDE RANGE LEVEL	53.7554 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	33.0573 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	45.1523 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	47.6510 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	33.7174 %
9.	A0723	S/G A STEAM PRESS CH #1	1088.31 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	1088.35 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	1088.35 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	1088.35 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	0.0 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	0.0 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	0.0 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	0.0 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	187.737 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	0.0 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	0.0 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	187.738 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

CNS SIMULATOR DATA

Date: 05 26 1993 Time: 0805P

GROUP:	SYSTEMS		
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	72.0507	GPM
2. A0820	CHARGING LINE FLOW CONTROL	115.728	GPM
3. A1262	FWST LEVEL CH 1	96.0930	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.10164	KV
6. A0575	4KV BUS ETB VOLTS	4.10816	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	ON	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	0.0	GPM
11. D2445	ND PUMP B	OFF	
12. A0908	ND HX B OUTLET FLOW	8.5601E-03	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	2.3377E-02	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	85.1198	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	0.5	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	OFF	
6. D2438	NS PUMP B	OFF	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	124.204	GPM
2. A0092	IN-CORE TEMP G04	579.919	DEG F
3. A0051	IN-CORE TEMP L04	579.568	DEG F
4. A0057	IN-CORE TEMP L08	579.893	DEG F
5. A0033	IN-CORE TEMP J10	580.028	DEG F
6. A0081	IN-CORE TEMP N06	580.118	DEG F
7. A0087	IN-CORE TEMP N10	580.124	DEG F
8. A0063	IN-CORE TEMP L12	579.580	DEG F
9. A0104	IN-CORE TEMP G12	579.648	DEG F
10. A0050	IN-CORE TEMP C08	579.756	DEG F
11. A0038	IN-CORE TEMP C04	579.560	DEG F
12. A0062	IN-CORE TEMP E02	579.568	DEG F
13. A0086	IN-CORE TEMP G02	579.643	DEG F
14. A0116	IN-CORE TEMP J02	579.884	DEG F
15. A0075	IN-CORE TEMP N04	579.565	DEG F
16. A0093	IN-CORE TEMP N12	579.582	DEG F
17. A0039	IN-CORE TEMP J14	579.650	DEG F
18. A0110	IN-CORE TEMP G14	579.254	DEG F
19. A0080	IN-CORE TEMP E14	579.573	DEG F
20. A0056	IN-CORE TEMP C12	579.565	DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	580.245 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	577.682 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	577.682 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	577.682 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	577.682 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	556.417 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	555.517 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	555.294 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	556.413 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	2284.44 PSIA
16.	A0707	PZR LEVEL CH I	37.6563 %
17.	D2037	REACTOR COOLANT PUMP A	OFF
18.	D2085	REACTOR COOLANT PUMP B	OFF
19.	D2038	REACTOR COOLANT PUMP C	OFF
20.	D2086	REACTOR COOLANT PUMP D	OFF
21.	P0166	RVLIS TRAIN A D/P	-1.0 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	99.9821 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	70.0 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	25.4504 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	2.8765E-08 %
GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	54.0408 %
2.	A0680	S/G B WIDE RANGE LEVEL	56.1997 %
3.	A0686	S/G C WIDE RANGE LEVEL	56.9836 %
4.	A0692	S/G D WIDE RANGE LEVEL	54.2432 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	34.5372 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	41.2834 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	43.7371 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	35.2536 %
9.	A0723	S/G A STEAM PRESS CH #1	1087.75 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	1087.82 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	1087.82 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	1087.82 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	0.0 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	0.0 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	0.0 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	0.0 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	187.810 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	0.0 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	0.0 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	187.810 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

CNS SIMULATOR DATA

Date: 05 26 1993 Time: 0810P

GROUP:	SYSTEMS	VALUE	UNIT
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	72.9823	GPM
2. A0820	CHARGING LINE FLOW CONTROL	104.738	GPM
3. A1262	FWST LEVEL CH 1	96.0930	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.10572	KV
6. A0575	4KV BUS ETB VOLTS	4.11661	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	ON	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	0.0	GPM
11. D2445	ND PUMP B	OFF	
12. A0908	ND HX B OUTLET FLOW	8.5601E-03	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	2.4713E-02	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	85.1060	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	0.5	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	OFF	
6. D2438	NS PUMP B	OFF	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	249.411	GPM
2. A0092	IN-CORE TEMP G04	580.069	DEG F
3. A0051	IN-CORE TEMP L04	579.732	DEG F
4. A0057	IN-CORE TEMP L08	580.044	DEG F
5. A0033	IN-CORE TEMP J10	580.174	DEG F
6. A0081	IN-CORE TEMP N06	580.260	DEG F
7. A0087	IN-CORE TEMP N10	580.266	DEG F
8. A0063	IN-CORE TEMP L12	579.743	DEG F
9. A0104	IN-CORE TEMP G12	579.808	DEG F
10. A0050	IN-CORE TEMP C08	579.913	DEG F
11. A0038	IN-CORE TEMP C04	579.724	DEG F
12. A0062	IN-CORE TEMP E02	579.731	DEG F
13. A0086	IN-CORE TEMP G02	579.804	DEG F
14. A0116	IN-CORE TEMP J02	580.035	DEG F
15. A0075	IN-CORE TEMP N04	579.729	DEG F
16. A0093	IN-CORE TEMP N12	579.744	DEG F
17. A0039	IN-CORE TEMP J14	579.810	DEG F
18. A0110	IN-CORE TEMP G14	579.430	DEG F
19. A0080	IN-CORE TEMP E14	579.737	DEG F
20. A0056	IN-CORE TEMP C12	579.729	DEG F

GROUP: 05	PRIMARY SYSTEMS		
1. P0828	5 HIGHEST IN-CORE T/C TEMP	580.194	DEG F
2. A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	577.639	DEG F
3. A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	577.706	DEG F
4. A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	577.638	DEG F
5. A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	577.639	DEG F
6. A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	556.312	DEG F
7. A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	556.035	DEG F
8. A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	555.924	DEG F
9. A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	556.297	DEG F
10. P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED	DEG F
11. P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED	DEG F
12. P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED	DEG F
13. P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED	DEG F
14. P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED	DEG F
15. P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	2290.38	PSIA
16. A0707	PZR LEVEL CH I	38.1571	%
17. D2037	REACTOR COOLANT PUMP A	OFF	
18. D2085	REACTOR COOLANT PUMP B	OFF	
19. D2038	REACTOR COOLANT PUMP C	OFF	
20. D2086	REACTOR COOLANT PUMP D	OFF	
21. P0166	RVLIS TRAIN A D/P	-1.0	%
22. P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	99.9820	%
23. P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	70.0	%
25. A1500	SOURCE RANGE LEVEL CHANNEL 1	24.6695	CPS
26. A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08	MA
27. P0738	POWER RANGE AVG LEVEL AVG	2.7130E-08	%

GROUP: 10	SECONDARY SYSTEMS		
1. A0674	S/G A WIDE RANGE LEVEL	54.4960	%
2. A0630	S/G B WIDE RANGE LEVEL	54.5693	%
3. A0636	S/G C WIDE RANGE LEVEL	55.6287	%
4. A0692	S/G D WIDE RANGE LEVEL	54.7062	%
5. A0531	S/G A NARROW RANGE LEVEL CH 1	35.6283	%
6. A0537	S/G B NARROW RANGE LEVEL CH 2	35.4112	%
7. A0627	S/G C NARROW RANGE LEVEL CH 3	39.1692	%
8. A0639	S/G D NARROW RANGE LEVEL CH 4	36.3117	%
9. A0723	S/G A STEAM PRESS CH #1	1087.57	PSIG
10. A0729	S/G B STEAM PRESS CH #1	1087.61	PSIG
11. A0735	S/G C STEAM PRESS CH #1	1087.61	PSIG
12. A0741	S/G D STEAM PRESS CH #1	1087.60	PSIG
13. P0154	S/G A FEEDWATER FLOW CH 1	0.0	MPPH
14. P0156	S/G B FEEDWATER FLOW CH 1	0.0	MPPH
15. P0158	S/G C FEEDWATER FLOW CH 1	0.0	MPPH
16. P0160	S/G D FEEDWATER FLOW CH 1	0.0	MPPH
17. A0974	CA FLOW TO S/G A (0 TO 600 GPM)	36.1784	GPM
18. A0975	CA FLOW TO S/G B (0 TO 600 GPM)	0.0	GPM
19. A0976	CA FLOW TO S/G C (0 TO 600 GPM)	0.0	GPM
20. A0977	CA FLOW TO S/G D (0 TO 600 GPM)	47.9013	GPM
21. P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0	LB

GROUP:	SYSTEMS		
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	73.0134	GPM
2. A0820	CHARGING LINE FLOW CONTROL	75.6067	GPM
3. A1262	FWST LEVEL CH 1	96.0929	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.10640	KV
6. A0575	4KV BUS ETB VOLTS	4.11731	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	ON	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	8.5601E-03	GPM
11. D2445	ND PUMP B	OFF	
12. A0908	ND HX B OUTLET FLOW	1.7120E-02	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	1.6218E-02	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	85.0938	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	0.5	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	OFF	
6. D2438	NS PUMP B	OFF	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	249.411	GPM
2. A0092	IN-CORE TEMP G04	579.984	DEG F
3. A0051	IN-CORE TEMP L04	579.657	DEG F
4. A0057	IN-CORE TEMP L08	579.960	DEG F
5. A0033	IN-CORE TEMP J10	580.085	DEG F
6. A0081	IN-CORE TEMP N06	580.169	DEG F
7. A0087	IN-CORE TEMP N10	580.175	DEG F
8. A0063	IN-CORE TEMP L12	579.668	DEG F
9. A0104	IN-CORE TEMP G12	579.731	DEG F
10. A0050	IN-CORE TEMP C08	579.820	DEG F
11. A0038	IN-CORE TEMP C04	579.638	DEG F
12. A0062	IN-CORE TEMP E02	579.645	DEG F
13. A0086	IN-CORE TEMP G02	579.715	DEG F
14. A0116	IN-CORE TEMP J02	579.939	DEG F
15. A0075	IN-CORE TEMP N04	579.643	DEG F
16. A0093	IN-CORE TEMP N12	579.657	DEG F
17. A0039	IN-CORE TEMP J14	579.721	DEG F
18. A0110	IN-CORE TEMP G14	579.353	DEG F
19. A0080	IN-CORE TEMP E14	579.650	DEG F
20. A0056	IN-CORE TEMP C12	579.642	DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	579.811 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	577.359 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	577.501 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	577.358 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	577.359 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	556.266 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	556.208 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	556.032 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	556.205 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	2269.47 PSIA
16.	A0707	PZR LEVEL CH I	37.7613 %
17.	D2037	REACTOR COOLANT PUMP A	OFF
18.	D2085	REACTOR COOLANT PUMP B	OFF
19.	D2038	REACTOR COOLANT PUMP C	OFF
20.	D2086	REACTOR COOLANT PUMP D	OFF
21.	P0166	RVLIS TRAIN A D/P	-1.0 %
22.	P0164	RVLIS TRAIN A UP RANGE (60 TO 120%)	99.9862 %
23.	P0162	RVLIS TRAIN A LC RANGE (0 TO 70%)	70.0 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	24.1614 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	2.6623E-08 %

GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	53.0742 %
2.	A0680	S/G B WIDE RANGE LEVEL	52.8598 %
3.	A0686	S/G C WIDE RANGE LEVEL	54.4552 %
4.	A0692	S/G D WIDE RANGE LEVEL	53.3482 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	31.0162 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	30.3030 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	35.6406 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	31.8486 %
9.	A0723	S/G A STEAM PRESS CH #1	1087.18 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	1087.17 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	1087.16 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	1087.17 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	0.0 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	0.0 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	0.0 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	0.0 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	99.0452 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	96.1922 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	119.865 GPM
20.	AC977	CA FLOW TO S/G D (0 TO 600 GPM)	99.8068 GPM
21.	P0514	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

CNS SIMULATOR DATA

Date: 05 26 1993 Time: 0820P

GROUP:	SYSTEMS	VALUE	UNIT
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	72.6325	GPM
2. A0820	CHARGING LINE FLOW CONTROL	79.0055	GPM
3. A1262	FWST LEVEL CH 1	96.0929	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.10591	KV
6. A0575	4KV BUS ETB VOLTS	4.11670	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	ON	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	8.5601E-03	GPM
11. D2445	ND PUMP B	OFF	
12. A0908	ND HX B OUTLET FLOW	1.7120E-02	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	2.1498E-02	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	85.0802	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	0.5	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	OFF	
6. D2438	NS PUMP B	OFF	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	31.0154	GPM
2. A0092	IN-CORE TEMP G04	579.592	DEG F
3. A0051	IN-CORE TEMP L04	579.273	DEG F
4. A0057	IN-CORE TEMP L08	579.568	DEG F
5. A0033	IN-CORE TEMP J10	579.691	DEG F
6. A0081	IN-CORE TEMP N06	579.772	DEG F
7. A0087	IN-CORE TEMP N10	579.778	DEG F
8. A0063	IN-CORE TEMP L12	579.283	DEG F
9. A0104	IN-CORE TEMP G12	579.345	DEG F
10. A0050	IN-CORE TEMP C08	579.444	DEG F
11. A0038	IN-CORE TEMP C04	579.266	DEG F
12. A0062	IN-CORE TEMP E02	579.272	DEG F
13. A0086	IN-CORE TEMP G02	579.341	DEG F
14. A0116	IN-CORE TEMP J02	579.560	DEG F
15. A0075	IN-CORE TEMP N04	579.270	DEG F
16. A0093	IN-CORE TEMP N12	579.285	DEG F
17. A0039	IN-CORE TEMP J14	579.347	DEG F
18. A0110	IN-CORE TEMP G14	578.987	DEG F
19. A0080	IN-CORE TEMP E14	579.278	DEG F
20. A0056	IN-CORE TEMP C12	579.270	DEG F

CNS SIMULATOR DATA

Date: 05 26 1993 Time: 0830P

GROUP: 05	PRIMARY SYSTEMS		
1. P0828	5 HIGHEST IN-CORE T/C TEMP	579.390	DEG F
2. A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	576.860	DEG F
3. A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	577.105	DEG F
4. A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	576.860	DEG F
5. A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	576.860	DEG F
6. A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	556.696	DEG F
7. A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	556.690	DEG F
8. A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	556.676	DEG F
9. A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	556.683	DEG F
10. P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED	DEG F
11. P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED	DEG F
12. P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED	DEG F
13. P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED	DEG F
14. P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED	DEG F
15. P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	2232.97	PSIA
16. A0707	PZR LEVEL CH I	37.0529	%
17. D2037	REACTOR COOLANT PUMP A	OFF	
18. D2085	REACTOR COOLANT PUMP B	OFF	
19. D2038	REACTOR COOLANT PUMP C	OFF	
20. D2086	REACTOR COOLANT PUMP D	OFF	
21. P0166	RVLIS TRAIN A D/P	-1.0	%
22. P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	99.9817	%
23. P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	70.0	%
25. A1500	SOURCE RANGE LEVEL CHANNEL 1	22.3647	CPS
26. A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08	MA
27. P0738	POWER RANGE AVG LEVEL AVG	2.5834E-08	%

GROUP: 10	SECONDARY SYSTEMS		
1. A0674	S/G A WIDE RANGE LEVEL	52.3669	%
2. A0680	S/G B WIDE RANGE LEVEL	51.8892	%
3. A0686	S/G C WIDE RANGE LEVEL	53.5707	%
4. A0692	S/G D WIDE RANGE LEVEL	52.4528	%
5. A0531	S/G A NARROW RANGE LEVEL CH 1	28.8895	%
6. A0537	S/G B NARROW RANGE LEVEL CH 2	27.2225	%
7. A0627	S/G C NARROW RANGE LEVEL CH 3	32.6920	%
8. A0639	S/G D NARROW RANGE LEVEL CH 4	29.1293	%
9. A0723	S/G A STEAM PRESS CH #1	1087.26	PSIG
10. A0729	S/G B STEAM PRESS CH #1	1087.26	PSIG
11. A0735	S/G C STEAM PRESS CH #1	1087.26	PSIG
12. A0741	S/G D STEAM PRESS CH #1	1087.26	PSIG
13. P0154	S/G A FEEDWATER FLOW CH 1	0.0	MPPH
14. P0156	S/G B FEEDWATER FLOW CH 1	0.0	MPPH
15. P0158	S/G C FEEDWATER FLOW CH 1	0.0	MPPH
16. P0160	S/G D FEEDWATER FLOW CH 1	0.0	MPPH
17. A0974	CA FLOW TO S/G A (0 TO 600 GPM)	153.917	GPM
18. A0975	CA FLOW TO S/G B (0 TO 600 GPM)	141.875	GPM
19. A0976	CA FLOW TO S/G C (0 TO 600 GPM)	118.717	GPM
20. A0977	CA FLOW TO S/G D (0 TO 600 GPM)	146.017	GPM
21. P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0	LB

GROUP:	SYSTEMS		
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	0.0	GPM
2. A0820	CHARGING LINE FLOW CONTROL	0.0	GPM
3. A1262	FWST LEVEL CH 1	96.0929	ft
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.10131	KV
6. A0575	4KV BUS ETB VOLTS	4.11061	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	8.5601E-03	GPM
11. D2445	ND PUMP B	OFF	
12. A0908	ND HX B OUTLET FLOW	1.7120E-02	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	1.4781E-02	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	85.0513	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	0.5	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	ft
5. D2448	NS PUMP A	OFF	
6. D2438	NS PUMP B	OFF	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	-102.721	GPM
2. A0092	IN-CORE TEMP G04	579.199	DEG F
3. A0051	IN-CORE TEMP L04	578.895	DEG F
4. A0057	IN-CORE TEMP L08	579.177	DEG F
5. A0033	IN-CORE TEMP J10	579.294	DEG F
6. A0081	IN-CORE TEMP N06	579.372	DEG F
7. A0087	IN-CORE TEMP N10	579.377	DEG F
8. A0063	IN-CORE TEMP L12	578.905	DEG F
9. A0104	IN-CORE TEMP G12	578.965	DEG F
10. A0050	IN-CORE TEMP C08	579.059	DEG F
11. A0038	IN-CORE TEMP C04	578.889	DEG F
12. A0062	IN-CORE TEMP E02	578.895	DEG F
13. A0086	IN-CORE TEMP G02	578.948	DEG F
14. A0116	IN-CORE TEMP J02	579.156	DEG F
15. A0075	IN-CORE TEMP N04	578.881	DEG F
16. A0093	IN-CORE TEMP N12	578.895	DEG F
17. A0039	IN-CORE TEMP J14	578.954	DEG F
18. A0110	IN-CORE TEMP G14	578.611	DEG F
19. A0080	IN-CORE TEMP E14	578.888	DEG F
20. A0056	IN-CORE TEMP C12	578.881	DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	577.020 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	570.791 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	572.622 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	570.822 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	570.787 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	562.119 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	561.248 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	562.354 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	562.318 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	1309.35 PSIA
16.	A0707	PZR LEVEL CH I	0.0 %
17.	D2037	REACTOR COOLANT PUMP A	OFF
18.	D2085	REACTOR COOLANT PUMP B	OFF
19.	D2038	REACTOR COOLANT PUMP C	OFF
20.	D2086	REACTOR COOLANT PUMP D	OFF
21.	P0166	RVLIS TRAIN A D/P	-1.0 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	81.1574 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	70.0 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	21.0394 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	2.4713E-08 %
GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	55.0434 %
2.	A0680	S/G B WIDE RANGE LEVEL	51.2411 %
3.	A0686	S/G C WIDE RANGE LEVEL	55.2538 %
4.	A0692	S/G D WIDE RANGE LEVEL	54.8362 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	39.4636 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	27.2912 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	40.2570 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	38.8581 %
9.	A0723	S/G A STEAM PRESS CH #1	1152.33 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	1165.31 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	1156.75 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	1152.67 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	0.0 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	0.0 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	0.0 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	0.0 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	137.851 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	136.171 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	112.684 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	139.070 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

CNS SIMULATOR DATA

Date: 05 26 1993 Time: 0840P

GROUP:	SYSTEMS	VALUE	UNIT
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	0.0	GPM
2. A0820	CHARGING LINE FLOW CONTROL	0.0	GPM
3. A1262	PWST LEVEL CH 1	86.8887	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.09963	KV
6. A0575	4KV BUS ETB VOLTS	4.11376	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	ON	
6. A1512	NI PUMP A INJECTION FLOW	172.263	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	ON	
10. A0902	ND HX A OUTLET FLOW	2.5680E-02	GPM
11. D2445	ND PUMP B	ON	
12. A0908	ND HX B OUTLET FLOW	5.9921E-02	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	3.88482	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	86.3676	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	0.99757	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	ON	
6. D2438	NS PUMP B	ON	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	-6191.47	GPM
2. A0092	IN-CORE TEMP G04	578.239	DEG F
3. A0051	IN-CORE TEMP L04	577.993	DEG F
4. A0057	IN-CORE TEMP L08	578.221	DEG F
5. A0033	IN-CORE TEMP J10	578.316	DEG F
6. A0081	IN-CORE TEMP N06	578.379	DEG F
7. A0087	IN-CORE TEMP N10	578.384	DEG F
8. A0063	IN-CORE TEMP L12	578.001	DEG F
9. A0104	IN-CORE TEMP G12	578.049	DEG F
10. A0050	IN-CORE TEMP C08	578.125	DEG F
11. A0038	IN-CORE TEMP C04	577.988	DEG F
12. A0062	IN-CORE TEMP E02	577.993	DEG F
13. A0086	IN-CORE TEMP G02	578.046	DEG F
14. A0116	IN-CORE TEMP J02	578.215	DEG F
15. A0075	IN-CORE TEMP N04	577.991	DEG F
16. A0093	IN-CORE TEMP N12	578.003	DEG F
17. A0039	IN-CORE TEMP J14	578.051	DEG F
18. A0110	IN-CORE TEMP G14	577.772	DEG F
19. A0080	IN-CORE TEMP E14	577.997	DEG F
20. A0056	IN-CORE TEMP C12	577.990	DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	583.462 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	584.727 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	584.481 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	584.748 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	584.695 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	564.114 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	564.591 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	563.952 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	564.240 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	1392.72 PSIA
16.	A0707	PZR LEVEL CH I	0.0 %
17.	D2037	REACTOR COOLANT PUMP A	OFF
18.	D2085	REACTOR COOLANT PUMP B	OFF
19.	D2038	REACTOR COOLANT PUMP C	OFF
20.	D2086	REACTOR COOLANT PUMP D	OFF
21.	P0166	RVLIS TRAIN A D/P	-1.0 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	60.0 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	58.5179 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	18.0258 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	2.2198E-08 %
GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	55.3264 %
2.	A0680	S/G B WIDE RANGE LEVEL	51.7230 %
3.	A0686	S/G C WIDE RANGE LEVEL	55.5069 %
4.	A0692	S/G D WIDE RANGE LEVEL	55.1392 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	40.6648 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	28.7851 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	42.2443 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	39.8619 %
9.	A0723	S/G A STEAM PRESS CH #1	1175.04 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	1174.31 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	1173.51 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	1173.26 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	0.0 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	0.0 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	0.0 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	0.0 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	107.270 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	110.752 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	97.1693 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	112.365 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

GROUP: 15		----- AUXILIARY SYSTEMS -----	
1.	A0452	NV LETDOWN FLOW	0.0 GPM
2.	A0820	CHARGING LINE FLOW CONTROL	0.0 GPM
3.	A1262	FWST LEVEL CH 1	78.2854 %
4.	A1013	SNSWP LEVEL (566 TO 572 FT)	572.016 FT
5.	A0586	4KV BUS ETA VOLTS	4.09997 KV
6.	A0575	4KV BUS ETB VOLTS	4.11393 KV
GROUP: 20		----- SAFETY INJECTION SYSTEMS -----	
1.	P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED gpm
2.	D2450	CENTRIFUGAL CHARGING PUMP A	OFF
3.	D2440	CENTRIFUGAL CHARGING PUMP B	OFF
4.	A0447	NV/CCP COLD LEG INJ FLOW	0.0 GPM
5.	D2456	NI PUMP A	ON
6.	A1512	NI PUMP A INJECTION FLOW	161.539 GPM
7.	D2446	NI PUMP B	OFF
8.	A1518	NI PUMP B INJECTION FLOW	0.0 GPM
9.	D2455	ND PUMP A	ON
10.	A0902	ND HX A OUTLET FLOW	3.4240E-02 GPM
11.	D2445	ND PUMP B	ON
12.	A0908	ND HX B OUTLET FLOW	5.9921E-02 GPM
GROUP: 25		----- CONTAINMENT SYSTEMS -----	
1.	A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	2.61875 PSIG
2.	P1500	UPPER CONT AVG TEMP - OPERATING UNITS	88.6739 DEG F
3.	A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	1.78262 FT
4.	A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0 %
5.	D2448	NS PUMP A	ON
6.	D2438	NS PUMP B	ON
GROUP: 30		----- ADDITIONAL PRIMARY SYSTEMS DATA -----	
1.	P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	-6191.47 GPM
2.	A0092	IN-CORE TEMP G04	576.818 DEG F
3.	A0051	IN-CORE TEMP L04	576.610 DEG F
4.	A0057	IN-CORE TEMP L08	576.802 DEG F
5.	A0033	IN-CORE TEMP J10	576.882 DEG F
6.	A0081	IN-CORE TEMP N06	576.935 DEG F
7.	A0087	IN-CORE TEMP N10	576.939 DEG F
8.	A0063	IN-CORE TEMP L12	576.617 DEG F
9.	A0104	IN-CORE TEMP G12	576.657 DEG F
10.	A0050	IN-CORE TEMP C08	576.721 DEG F
11.	A0038	IN-CORE TEMP C04	576.605 DEG F
12.	A0062	IN-CORE TEMP E02	576.610 DEG F
13.	A0086	IN-CORE TEMP G02	576.655 DEG F
14.	A0116	IN-CORE TEMP J02	576.797 DEG F
15.	A0075	IN-CORE TEMP N04	576.609 DEG F
16.	A0093	IN-CORE TEMP N12	576.618 DEG F
17.	A0039	IN-CORE TEMP J14	576.658 DEG F
18.	A0110	IN-CORE TEMP G14	576.425 DEG F
19.	A0080	IN-CORE TEMP E14	576.613 DEG F
20.	A0056	IN-CORE TEMP C12	576.608 DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	569.077 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	568.883 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	569.045 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	569.046 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	569.046 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	561.987 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	561.941 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	557.726 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	562.045 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	1214.11 PSIA
16.	A0707	PZR LEVEL CH I	0.0 %
17.	D2037	REACTOR COOLANT PUMP A	OFF
18.	D2085	REACTOR COOLANT PUMP B	OFF
19.	D2038	REACTOR COOLANT PUMP C	OFF
20.	D2086	REACTOR COOLANT PUMP D	OFF
21.	P0166	RVLIS TRAIN A D/P	-1.0 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	60.3394 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	60.0528 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	19.2576 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	2.1711E-08 %
GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	55.8501 %
2.	A0680	S/G B WIDE RANGE LEVEL	52.2238 %
3.	A0686	S/G C WIDE RANGE LEVEL	54.1235 %
4.	A0692	S/G D WIDE RANGE LEVEL	55.7293 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	42.2342 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	30.4849 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	36.5326 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	41.8589 %
9.	A0723	S/G A STEAM PRESS CH #1	1157.81 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	1165.24 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	1172.38 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	1155.26 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	0.0 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	0.0 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	0.0 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	0.0 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	108.727 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	110.928 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	97.6502 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	113.739 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

CNS SIMULATOR DATA

Date: 05 26 1993 Time: 0850P

GROUP:	SYSTEMS		
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	0.0	GPM
2. A0820	CHARGING LINE FLOW CONTROL	0.0	GPM
3. A1262	FWST LEVEL CH 1	69.7516	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.09973	KV
6. A0575	4KV BUS ETB VOLTS	4.11392	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	ON	
6. A1512	NI PUMP A INJECTION FLOW	230.511	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	ON	
10. A0902	ND HX A OUTLET FLOW	8.5601E-03	GPM
11. D2445	ND PUMP B	ON	
12. A0908	ND HX B OUTLET FLOW	5.9921E-02	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	2.08164	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	90.6313	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	2.55720	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	ON	
6. D2438	NS PUMP B	ON	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	-5913.29	GPM
2. A0092	IN-CORE TEMP G04	569.209	DEG F
3. A0051	IN-CORE TEMP L04	569.037	DEG F
4. A0057	IN-CORE TEMP L08	569.197	DEG F
5. A0033	IN-CORE TEMP J10	569.263	DEG F
6. A0081	IN-CORE TEMP N06	569.307	DEG F
7. A0087	IN-CORE TEMP N10	569.311	DEG F
8. A0063	IN-CORE TEMP L12	569.043	DEG F
9. A0104	IN-CORE TEMP G12	569.076	DEG F
10. A0050	IN-CORE TEMP C08	569.129	DEG F
11. A0038	IN-CORE TEMP C04	569.033	DEG F
12. A0062	IN-CORE TEMP E02	569.037	DEG F
13. A0086	IN-CORE TEMP G02	569.074	DEG F
14. A0116	IN-CORE TEMP J02	569.192	DEG F
15. A0075	IN-CORE TEMP N04	569.035	DEG F
16. A0093	IN-CORE TEMP N12	569.043	DEG F
17. A0039	IN-CORE TEMP J14	569.077	DEG F
18. A0110	IN-CORE TEMP G14	568.882	DEG F
19. A0080	IN-CORE TEMP E14	569.040	DEG F
20. A0056	IN-CORE TEMP C12	569.035	DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	562.643 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	565.941 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	566.187 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	566.779 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	566.072 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	559.067 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	560.301 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	547.387 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	558.798 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	1176.65 PSIA
16.	A0707	PZR LEVEL CH I	0.0 %
17.	D2037	REACTOR COOLANT PUMP A	OFF
18.	D2085	REACTOR COOLANT PUMP B	OFF
19.	D2038	REACTOR COOLANT PUMP C	OFF
20.	D2086	REACTOR COOLANT PUMP D	OFF
21.	P0156	RVLIS TRAIN A D/P	-1.0 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	60.6104 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	59.7183 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	18.1727 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	2.0108E-08 %
GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	56.9437 %
2.	A0680	S/G B WIDE RANGE LEVEL	53.6397 %
3.	A0686	S/G C WIDE RANGE LEVEL	50.1734 %
4.	A0692	S/G D WIDE RANGE LEVEL	56.8533 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	44.5863 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	33.9693 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	19.2084 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	44.3553 %
9.	A0723	S/G A STEAM PRESS CH #1	1100.20 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	1108.02 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	1119.13 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	1100.72 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	0.0 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	0.0 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	0.0 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	0.0 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	113.721 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	115.947 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	100.182 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	118.639 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

GROUP:	SYSTEMS		
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	0.0	GPM
2. A0820	CHARGING LINE FLOW CONTROL	0.0	GPM
3. A1262	FWST LEVEL CH 1	61.0590	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.10032	KV
6. A0575	4KV BUS ETB VOLTS	4.11455	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	ON	
6. A1512	NI PUMP A INJECTION FLOW	256.472	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	ON	
10. A0902	ND HX A OUTLET FLOW	3.4240E-02	GPM
11. D2445	ND PUMP B	ON	
12. A0908	ND HX B OUTLET FLOW	5.1361E-02	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	1.97263	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	89.6670	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	3.32358	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	ON	
6. D2438	NS PUMP B	ON	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	-5913.29	GPM
2. A0092	IN-CORE TEMP G04	560.894	DEG F
3. A0051	IN-CORE TEMP L04	560.808	DEG F
4. A0057	IN-CORE TEMP L08	560.887	DEG F
5. A0033	IN-CORE TEMP J10	560.920	DEG F
6. A0081	IN-CORE TEMP N06	560.942	DEG F
7. A0087	IN-CORE TEMP N10	560.944	DEG F
8. A0063	IN-CORE TEMP L12	560.811	DEG F
9. A0104	IN-CORE TEMP G12	560.827	DEG F
10. A0050	IN-CORE TEMP C08	560.854	DEG F
11. A0038	IN-CORE TEMP C04	560.806	DEG F
12. A0062	IN-CORE TEMP E02	560.808	DEG F
13. A0086	IN-CORE TEMP G02	560.826	DEG F
14. A0116	IN-CORE TEMP J02	560.885	DEG F
15. A0075	IN-CORE TEMP N04	560.807	DEG F
16. A0093	IN-CORE TEMP N12	560.811	DEG F
17. A0039	IN-CORE TEMP J14	560.828	DEG F
18. A0110	IN-CORE TEMP G14	560.731	DEG F
19. A0080	IN-CORE TEMP E14	560.809	DEG F
20. A0056	IN-CORE TEMP C12	560.807	DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	557.534 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	559.001 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	559.032 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	559.088 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	559.001 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	546.625 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	548.574 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	558.743 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	545.715 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	1115.27 PSIA
16.	A0707	PZR LEVEL CH I	0.0 %
17.	D2037	REACTOR COOLANT PUMP A	OFF
18.	D2085	REACTOR COOLANT PUMP B	OFF
19.	D2038	REACTOR COOLANT PUMP C	OFF
20.	D2086	REACTOR COOLANT PUMP D	OFF
21.	P0166	RVLIS TRAIN A D/P	-1.0 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	60.7994 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	57.7905 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	15.5533 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	1.8406E-08 %
GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	58.1194 %
2.	A0680	S/G B WIDE RANGE LEVEL	55.1331 %
3.	A0686	S/G C WIDE RANGE LEVEL	49.2438 %
4.	A0692	S/G D WIDE RANGE LEVEL	58.1409 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	45.2006 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	36.2356 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	18.9417 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	45.1051 %
9.	A0723	S/G A STEAM PRESS CH #1	971.562 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	990.573 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	1074.76 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	964.194 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	0.0 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	0.0 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	0.0 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	0.0 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	111.136 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	273.409 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	316.114 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	109.824 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

GROUP:	SYSTEMS		
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	0.0	GPM
2. A0820	CHARGING LINE FLOW CONTROL	0.0	GPM
3. A1262	FWST LEVEL CH 1	52.5457	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.09979	KV
6. A0575	4KV BUS ETB VOLTS	4.11395	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	ON	
6. A1512	NI PUMP A INJECTION FLOW	283.942	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	ON	
10. A0902	ND HX A OUTLET FLOW	3.4240E-02	GPM
11. D2445	ND PUMP B	ON	
12. A0908	ND HX B OUTLET FLOW	5.9921E-02	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	1.89196	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	89.1648	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	4.07396	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	ON	
6. D2438	NS PUMP B	ON	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	-2640.48	GPM
2. A0092	IN-CORE TEMP G04	556.462	DEG F
3. A0051	IN-CORE TEMP L04	556.345	DEG F
4. A0057	IN-CORE TEMP L08	556.453	DEG F
5. A0033	IN-CORE TEMP J10	556.498	DEG F
6. A0081	IN-CORE TEMP N06	556.528	DEG F
7. A0087	IN-CORE TEMP N10	556.530	DEG F
8. A0063	IN-CORE TEMP L12	556.349	DEG F
9. A0104	IN-CORE TEMP G12	556.372	DEG F
10. A0050	IN-CORE TEMP C08	556.408	DEG F
11. A0038	IN-CORE TEMP C04	556.343	DEG F
12. A0062	IN-CORE TEMP E02	556.345	DEG F
13. A0086	IN-CORE TEMP G02	556.370	DEG F
14. A0116	IN-CORE TEMP J02	556.450	DEG F
15. A0075	IN-CORE TEMP N04	556.344	DEG F
16. A0093	IN-CORE TEMP N12	556.350	DEG F
17. A0039	IN-CORE TEMP J14	556.373	DEG F
18. A0110	IN-CORE TEMP G14	556.241	DEG F
19. A0080	IN-CORE TEMP E14	556.347	DEG F
20. A0056	IN-CORE TEMP C12	556.344	DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	553.778 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	554.784 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	554.784 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	554.784 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	554.784 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	542.245 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	545.395 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	554.658 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	541.689 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	1087.26 PSIA
16.	A0707	PZR LEVEL CH I	0.0 %
17.	D2037	REACTOR COOLANT PUMP A	OFF
18.	D2085	REACTOR COOLANT PUMP B	OFF
19.	D2038	REACTOR COOLANT PUMP C	OFF
20.	D2086	REACTOR COOLANT PUMP D	OFF
21.	P0166	RVLIS TRAIN A D/P	-1.0 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	60.9212 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	57.7594 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	15.1071 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	1.6491E-08 %
GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	58.6001 %
2.	A0680	S/G B WIDE RANGE LEVEL	57.3370 %
3.	A0686	S/G C WIDE RANGE LEVEL	52.5215 %
4.	A0692	S/G D WIDE RANGE LEVEL	58.5745 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	47.8507 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	43.9834 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	29.4480 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	47.7316 %
9.	A0723	S/G A STEAM PRESS CH #1	1004.63 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	1008.52 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	1047.50 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	1005.08 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	0.0 MPPH
14.	P0156	S/C B FEEDWATER FLOW CH 1	0.0 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	0.0 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	0.0 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	108.751 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	270.461 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	323.588 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	105.114 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

GROUP:	SYSTEMS		
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	0.0	GPM
2. A0820	CHARGING LINE FLOW CONTROL	0.0	GPM
3. A1262	FWST LEVEL CH 1	44.0594	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.10203	KV
6. A0575	4KV BUS ETB VOLTS	4.11400	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	ON	
10. A0902	ND HX A OUTLET FLOW	1.7120E-02	GPM
11. D2445	ND PUMP B	ON	
12. A0908	ND HX B OUTLET FLOW	5.9921E-02	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	1.83701	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	88.8778	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	4.81754	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	ON	
6. D2438	NS PUMP B	ON	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	-2640.48	GPM
2. A0092	IN-CORE TEMP G04	552.762	DEG F
3. A0051	IN-CORE TEMP L04	552.705	DEG F
4. A0057	IN-CORE TEMP L08	552.758	DEG F
5. A0033	IN-CORE TEMP J10	552.780	DEG F
6. A0081	IN-CORE TEMP N06	552.795	DEG F
7. A0087	IN-CORE TEMP N10	552.796	DEG F
8. A0063	IN-CORE TEMP L12	552.707	DEG F
9. A0104	IN-CORE TEMP G12	552.718	DEG F
10. A0050	IN-CORE TEMP C08	552.736	DEG F
11. A0038	IN-CORE TEMP C04	552.704	DEG F
12. A0062	IN-CORE TEMP E02	552.705	DEG F
13. A0086	IN-CORE TEMP G02	552.717	DEG F
14. A0116	IN-CORE TEMP J02	552.756	DEG F
15. A0075	IN-CORE TEMP N04	552.704	DEG F
16. A0093	IN-CORE TEMP N12	552.707	DEG F
17. A0039	IN-CORE TEMP J14	552.718	DEG F
18. A0110	IN-CORE TEMP G14	552.653	DEG F
19. A0080	IN-CORE TEMP E14	552.706	DEG F
20. A0056	IN-CORE TEMP C12	552.704	DEG F

GROUP: 05	PRIMARY SYSTEMS		
1. P0828	5 HIGHEST IN-CORE T/C TEMP	535.582	DEG F
2. A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	541.196	DEG F
3. A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	540.284	DEG F
4. A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	540.236	DEG F
5. A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	541.196	DEG F
6. A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	540.542	DEG F
7. A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	533.268	DEG F
8. A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	509.269	DEG F
9. A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	540.548	DEG F
10. P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED	DEG F
11. P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED	DEG F
12. P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED	DEG F
13. P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED	DEG F
14. P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED	DEG F
15. P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	927.221	PSIA
16. A0707	PZR LEVEL CH I	0.0	%
17. D2037	REACTOR COOLANT PUMP A	OFF	
18. D2085	REACTOR COOLANT PUMP B	OFF	
19. D2038	REACTOR COOLANT PUMP C	OFF	
20. D2086	REACTOR COOLANT PUMP D	OFF	
21. P0166	RVLIS TRAIN A D/P	-1.0	%
22. P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	61.4245	%
23. P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	59.0377	%
25. A1500	SOURCE RANGE LEVEL CHANNEL 1	11.5777	CPS
26. A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08	MA
27. P0738	POWER RANGE AVG LEVEL AVG	1.4700E-08	%
GROUP: 10	SECONDARY SYSTEMS		
1. A0674	S/G A WIDE RANGE LEVEL	59.4737	%
2. A0680	S/G B WIDE RANGE LEVEL	61.7976	%
3. A0686	S/G C WIDE RANGE LEVEL	58.7778	%
4. A0692	S/G D WIDE RANGE LEVEL	59.3586	%
5. A0531	S/G A NARROW RANGE LEVEL CH 1	48.2090	%
6. A0537	S/G B NARROW RANGE LEVEL CH 2	53.5279	%
7. A0627	S/G C NARROW RANGE LEVEL CH 3	46.4797	%
8. A0639	S/G D NARROW RANGE LEVEL CH 4	47.5933	%
9. A0723	S/G A STEAM PRESS CH #1	912.197	PSIG
10. A0729	S/G B STEAM PRESS CH #1	795.452	PSIG
11. A0735	S/G C STEAM PRESS CH #1	900.603	PSIG
12. A0741	S/G D STEAM PRESS CH #1	901.069	PSIG
13. P0154	S/G A FEEDWATER FLOW CH 1	0.0	MPPH
14. P0156	S/G B FEEDWATER FLOW CH 1	0.0	MPPH
15. P0158	S/G C FEEDWATER FLOW CH 1	0.0	MPPH
16. P0160	S/G D FEEDWATER FLOW CH 1	0.0	MPPH
17. A0974	CA FLOW TO S/G A (0 TO 600 GPM)	111.674	GPM
18. A0975	CA FLOW TO S/G B (0 TO 600 GPM)	305.652	GPM
19. A0976	CA FLOW TO S/G C (0 TO 600 GPM)	353.763	GPM
20. A0977	CA FLOW TO S/G D (0 TO 600 GPM)	109.798	GPM
21. P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0	LB

CNS SIMULATOR DATA

Date: 05 26 1993 Time: 0915P

GROUP:	SYSTEMS	VALUE	UNIT
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	0.0	GPM
2. A0820	CHARGING LINE FLOW CONTROL	1.1742E-03	GPM
3. A1262	FWST LEVEL CH 1	17.6065	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.10341	KV
6. A0575	4KV BUS ETB VOLTS	4.11396	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	0.0	GPM
11. D2445	ND PUMP B	ON	
12. A0908	ND HX B OUTLET FLOW	0.0	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	1.72672	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	88.5117	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	7.05283	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	ON	
6. D2438	NS PUMP B	ON	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	-3742.14	GPM
2. A0092	IN-CORE TEMP G04	535.176	DEG F
3. A0051	IN-CORE TEMP L04	535.140	DEG F
4. A0057	IN-CORE TEMP L08	535.174	DEG F
5. A0033	IN-CORE TEMP J10	535.187	DEG F
6. A0081	IN-CORE TEMP N06	535.197	DEG F
7. A0087	IN-CORE TEMP N10	535.197	DEG F
8. A0063	IN-CORE TEMP L12	535.141	DEG F
9. A0104	IN-CORE TEMP G12	535.148	DEG F
10. A0050	IN-CORE TEMP C08	535.159	DEG F
11. A0038	IN-CORE TEMP C04	535.139	DEG F
12. A0062	IN-CORE TEMP E02	535.140	DEG F
13. A0086	IN-CORE TEMP G02	535.148	DEG F
14. A0116	IN-CORE TEMP J02	535.173	DEG F
15. A0075	IN-CORE TEMP N04	535.140	DEG F
16. A0093	IN-CORE TEMP N12	535.141	DEG F
17. A0039	IN-CORE TEMP J14	535.149	DEG F
18. A0110	IN-CORE TEMP G14	535.108	DEG F
19. A0080	IN-CORE TEMP E14	535.587	DEG F
20. A0056	IN-CORE TEMP C12	535.586	DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	525.782 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	528.075 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	528.314 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	528.366 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	526.940 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	528.076 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	493.666 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	527.940 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	526.406 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	863.047 PSIA
16.	A0707	PZR LEVEL CH I	0.0 %
17.	D2037	REACTOR COOLANT PUMP A	OFF
18.	D2085	REACTOR COOLANT PUMP B	OFF
19.	D2038	REACTOR COOLANT PUMP C	OFF
20.	D2086	REACTOR COOLANT PUMP D	OFF
21.	P0166	RVLIS TRAIN A D/P	-1.0 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	61.6230 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	57.7544 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	12.6902 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	1.3882E-08 %
GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	60.0723 %
2.	A0680	S/G B WIDE RANGE LEVEL	63.5403 %
3.	A0686	S/G C WIDE RANGE LEVEL	60.6641 %
4.	A0692	S/G D WIDE RANGE LEVEL	59.9450 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	48.5202 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	57.0779 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	50.1828 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	47.7572 %
9.	A0723	S/G A STEAM PRESS CH #1	841.160 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	721.071 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	823.592 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	827.046 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	0.0 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	0.0 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	0.0 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	0.0 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	134.194 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	125.860 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	152.993 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	126.578 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

CNS SIMULATOR DATA

Date: 05 26 1993 Time: 0920P

GROUP:	SYSTEMS	VALUE	UNIT
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	0.0	GPM
2. A0820	CHARGING LINE FLOW CONTROL	0.0	GPM
3. A1262	FWST LEVEL CH 1	11.7394	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.10274	KV
6. A0575	4KV BUS ETB VOLTS	4.11332	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	8.5601E-03	GPM
11. D2445	ND PUMP B	ON	
12. A0908	ND HX B OUTLET FLOW	1.7120E-02	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	1.65342	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	88.0893	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	7.74597	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	ON	
6. D2438	NS PUMP B	ON	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	-3711.66	GPM
2. A0092	IN-CORE TEMP G04	522.679	DEG F
3. A0051	IN-CORE TEMP L04	522.679	DEG F
4. A0057	IN-CORE TEMP L08	522.679	DEG F
5. A0033	IN-CORE TEMP J10	522.679	DEG F
6. A0081	IN-CORE TEMP N06	522.679	DEG F
7. A0087	IN-CORE TEMP N10	522.679	DEG F
8. A0063	IN-CORE TEMP L12	522.679	DEG F
9. A0104	IN-CORE TEMP G12	522.679	DEG F
10. A0050	IN-CORE TEMP C08	522.679	DEG F
11. A0038	IN-CORE TEMP C04	522.679	DEG F
12. A0062	IN-CORE TEMP E02	522.679	DEG F
13. A0086	IN-CORE TEMP G02	522.027	DEG F
14. A0116	IN-CORE TEMP J02	522.028	DEG F
15. A0075	IN-CORE TEMP N04	522.027	DEG F
16. A0093	IN-CORE TEMP N12	522.027	DEG F
17. A0039	IN-CORE TEMP J14	522.027	DEG F
18. A0110	IN-CORE TEMP G14	522.027	DEG F
19. A0080	IN-CORE TEMP E14	522.027	DEG F
20. A0056	IN-CORE TEMP C12	522.027	DEG F

CNS SIMULATOR DATA

Date: 05 26 1993 Time: 0925P

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	506.611 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	509.697 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	509.697 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	509.698 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	509.695 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	509.374 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	488.427 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	509.374 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	509.370 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	727.450 PSIA
16.	A0707	PZR LEVEL CH I	0.0 %
17.	D2037	REACTOR COOLANT PUMP A	OFF
18.	D2085	REACTOR COOLANT PUMP B	OFF
19.	D2038	REACTOR COOLANT PUMP C	OFF
20.	D2086	REACTOR COOLANT PUMP D	OFF
21.	P0166	RVLIS TRAIN A D/P	-1.0 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	61.9707 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	57.3653 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	8.69676 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	1.2068E-08 %
GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	60.9134 %
2.	A0680	S/G B WIDE RANGE LEVEL	65.2533 %
3.	A0686	S/G C WIDE RANGE LEVEL	62.1354 %
4.	A0692	S/G D WIDE RANGE LEVEL	61.1413 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	49.2831 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	58.4505 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	51.9044 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	48.5607 %
9.	A0723	S/G A STEAM PRESS CH #1	755.057 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	547.742 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	690.085 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	691.964 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	0.0 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	0.0 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	0.0 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	0.0 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	139.587 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	135.056 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	162.285 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	134.460 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

GROUP:	SYSTEMS		
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	0.0	GPM
2. A0820	CHARGING LINE FLOW CONTROL	0.0	GPM
3. A1252	FWST LEVEL CH 1	9.01441	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.10271	KV
6. A0575	4KV BUS ETB VOLTS	4.11328	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	0.0	GPM
11. D2445	ND PUMP B	ON	
12. A0908	ND HX B OUTLET FLOW	8.5601E-03	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	1.55639	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	87.5263	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	8.14191	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	ON	
6. D2438	NS PUMP B	ON	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	-3711.66	GPM
2. A0092	IN-CORE TEMP G04	503.825	DEG F
3. A0051	IN-CORE TEMP L04	503.825	DEG F
4. A0057	IN-CORE TEMP L08	503.825	DEG F
5. A0033	IN-CORE TEMP J10	503.825	DEG F
6. A0081	IN-CORE TEMP N06	503.826	DEG F
7. A0087	IN-CORE TEMP N10	503.142	DEG F
8. A0063	IN-CORE TEMP L12	503.142	DEG F
9. A0104	IN-CORE TEMP G12	503.142	DEG F
10. A0050	IN-CORE TEMP C08	503.142	DEG F
11. A0038	IN-CORE TEMP C04	503.142	DEG F
12. A0062	IN-CORE TEMP E02	503.142	DEG F
13. A0086	IN-CORE TEMP G02	503.142	DEG F
14. A0116	IN-CORE TEMP J02	503.142	DEG F
15. A0075	IN-CORE TEMP N04	503.142	DEG F
16. A0093	IN-CORE TEMP N12	503.142	DEG F
17. A0039	IN-CORE TEMP J14	503.142	DEG F
18. A0110	IN-CORE TEMP G14	503.142	DEG F
19. A0080	IN-CORE TEMP E14	503.142	DEG F
20. A0056	IN-CORE TEMP C12	503.142	DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	485.785 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	489.302 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	489.302 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	489.302 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	488.565 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	488.565 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	484.635 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	488.565 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	488.565 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	606.850 PSIA
16.	A0707	PZR LEVEL CH I	0.0 %
17.	D2037	REACTOR COOLANT PUMP A	OFF
18.	D2085	REACTOR COOLANT PUMP B	OFF
19.	D2038	REACTOR COOLANT PUMP C	OFF
20.	D2086	REACTOR COOLANT PUMP D	OFF
21.	P0166	RVLIS TRAIN A D/P	-1.0 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	62.2729 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	56.9761 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	9.03903 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	9.8672E-09 %
GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	61.9988 %
2.	A0680	S/G B WIDE RANGE LEVEL	67.2184 %
3.	A0686	S/G C WIDE RANGE LEVEL	63.8326 %
4.	A0692	S/G D WIDE RANGE LEVEL	62.5641 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	50.5335 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	60.5199 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	54.2236 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	49.9690 %
9.	A0723	S/G A STEAM PRESS CH #1	659.130 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	402.645 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	567.010 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	568.594 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	0.0 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	0.0 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	0.0 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	0.0 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	145.430 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	142.375 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	170.724 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	141.502 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

CNS SIMULATOR DATA

Date: 05 26 1993 Time: 0930P

GROUP:	SYSTEMS	PARAMETER	VALUE	UNIT
GROUP: 15	AUXILIARY SYSTEMS			
1.	A0452	NV LETDOWN FLOW	0.0	GPM
2.	A0820	CHARGING LINE FLOW CONTROL	0.0	GPM
3.	A1262	FWST LEVEL CH 1	9.01441	%
4.	A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5.	A0586	4KV BUS ETA VOLTS	4.10283	KV
6.	A0575	4KV BUS ETB VOLTS	4.11364	KV
GROUP: 20	SAFETY INJECTION SYSTEMS			
1.	P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2.	D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3.	D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4.	A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5.	D2456	NI PUMP A	OFF	
6.	A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7.	D2446	NI PUMP B	OFF	
8.	A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9.	D2455	ND PUMP A	OFF	
10.	A0902	ND HX A OUTLET FLOW	0.0	GPM
11.	D2445	ND PUMP B	ON	
12.	A0908	ND HX B OUTLET FLOW	0.0	GPM
GROUP: 25	CONTAINMENT SYSTEMS			
1.	A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	1.69253	PSIG
2.	P1500	UPPER CONT AVG TEMP - OPERATING UNITS	92.7581	DEG F
3.	A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	8.22496	FT
4.	A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5.	D2448	NS PUMP A	ON	
6.	D2438	NS PUMP B	ON	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA			
1.	P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	-2209.71	GPM
2.	A0092	IN-CORE TEMP G04	482.380	DEG F
3.	A0051	IN-CORE TEMP L04	482.380	DEG F
4.	A0057	IN-CORE TEMP L08	482.380	DEG F
5.	A0033	IN-CORE TEMP J10	482.381	DEG F
6.	A0081	IN-CORE TEMP N06	482.381	DEG F
7.	A0087	IN-CORE TEMP N10	482.381	DEG F
8.	A0063	IN-CORE TEMP L12	482.380	DEG F
9.	A0104	IN-CORE TEMP G12	482.380	DEG F
10.	A0050	IN-CORE TEMP C08	482.380	DEG F
11.	A0038	IN-CORE TEMP C04	482.380	DEG F
12.	A0062	IN-CORE TEMP E02	482.380	DEG F
13.	A0086	IN-CORE TEMP G02	481.683	DEG F
14.	A0116	IN-CORE TEMP J02	481.683	DEG F
15.	A0075	IN-CORE TEMP N04	481.683	DEG F
16.	A0093	IN-CORE TEMP N12	481.683	DEG F
17.	A0039	IN-CORE TEMP J14	481.683	DEG F
18.	A0110	IN-CORE TEMP G14	481.682	DEG F
19.	A0080	IN-CORE TEMP E14	481.683	DEG F
20.	A0056	IN-CORE TEMP C12	481.683	DEG F

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GROUP: 05          PRIMARY SYSTEMS
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 1. P0828  5 HIGHEST IN-CORE T/C TEMP                462.470      DEG F
 2. A0668  NC LOOP A WIDE RANGE HOT LEG TEMP                465.145      DEG F
 3. A0669  NC LOOP B WIDE RANGE HOT LEG TEMP                465.145      DEG F
 4. A0670  NC LOOP C WIDE RANGE HOT LEG TEMP                465.145      DEG F
 5. A0671  NC LOOP D WIDE RANGE HOT LEG TEMP                465.145      DEG F
 6. A0700  NC LOOP A WIDE RANGE COLD LEG TEMP               431.769      DEG F
 7. A0706  NC LOOP B WIDE RANGE COLD LEG TEMP               465.062      DEG F
 8. A0712  NC LOOP C WIDE RANGE COLD LEG TEMP               465.051      DEG F
 9. A0718  NC LOOP D WIDE RANGE COLD LEG TEMP               465.051      DEG F
10. P0983  NC LOOP A WIDE RANGE D/T                          NOT SIMULATED  DEG F
11. P0984  NC LOOP B WIDE RANGE D/T                          NOT SIMULATED  DEG F
12. P0985  NC LOOP C WIDE RANGE D/T                          NOT SIMULATED  DEG F
13. P0986  NC LOOP D WIDE RANGE D/T                          NOT SIMULATED  DEG F
14. P1545  LOWEST NC SYSTEM SUBCOOLING MARGIN               NOT SIMULATED  DEG F
15. P1389  NC SYSTEM PRESSURE, BEST ESTIMATE                 472.798      PSIA
16. A0707  PZR LEVEL CH I                                   0.0          %
17. D2037  REACTOR COOLANT PUMP A                           OFF
18. D2085  REACTOR COOLANT PUMP B                           OFF
19. D2038  REACTOR COOLANT PUMP C                           OFF
20. D2086  REACTOR COOLANT PUMP D                           OFF
21. P0166  RVLIS TRAIN A D/P                                 -1.0         %
22. P0164  RVLIS TRAIN A UPPER RANGE (60 TO 120%)           62.5772      %
23. P0162  RVLIS TRAIN A LOWER RANGE (0 TO 70%)             56.8088      %
25. A1500  SOURCE RANGE LEVEL CHANNEL 1                     7.30806      CPS
26. A0766  INTERMEDIATE RANGE LEVEL CHANNEL 1               1.0105E-08   MA
27. P0738  POWER RANGE AVG LEVEL AVG                         7.4661E-09   %
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GROUP: 10          SECONDARY SYSTEMS
-----
 1. A0674  S/G A WIDE RANGE LEVEL                            63.5375      %
 2. A0680  S/G B WIDE RANGE LEVEL                            68.5191      %
 3. A0686  S/G C WIDE RANGE LEVEL                            65.6663      %
 4. A0692  S/G D WIDE RANGE LEVEL                            64.1426      %
 5. A0531  S/G A NARROW RANGE LEVEL CH 1                    51.3453      %
 6. A0537  S/G B NARROW RANGE LEVEL CH 2                    62.3835      %
 7. A0627  S/G C NARROW RANGE LEVEL CH 3                    55.9988      %
 8. A0639  S/G D NARROW RANGE LEVEL CH 4                    50.9696      %
 9. A0723  S/G A STEAM PRESS CH #1                           516.863      PSIG
10. A0729  S/G B STEAM PRESS CH #1                           345.451      PSIG
11. A0735  S/G C STEAM PRESS CH #1                           436.116      PSIG
12. A0741  S/G D STEAM PRESS CH #1                           436.993      PSIG
13. P0154  S/G A FEEDWATER FLOW CH 1                          0.0          MPPH
14. P0156  S/G B FEEDWATER FLOW CH 1                          0.0          MPPH
15. P0158  S/G C FEEDWATER FLOW CH 1                          0.0          MPPH
16. P0160  S/G D FEEDWATER FLOW CH 1                          0.0          MPPH
17. A0974  CA FLOW TO S/G A (0 TO 600 GPM)                   0.0          GPM
18. A0975  CA FLOW TO S/G B (0 TO 600 GPM)                   0.0          GPM
19. A0976  CA FLOW TO S/G C (0 TO 600 GPM)                   0.0          GPM
20. A0977  CA FLOW TO S/G D (0 TO 600 GPM)                   0.0          GPM
21. P0614  TOTAL M/S RELEASED DURING LAST 15 MINUTES        0.0          LB

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CNS SIMULATOR DATA

Date: 05 26 1993 Time: 0935P

GROUP:	SYSTEMS	PARAMETER	VALUE	UNIT
GROUP: 15	AUXILIARY SYSTEMS			
1.	A0452	NV LETDOWN FLOW	0.0	GPM
2.	A0820	CHARGING LINE FLOW CONTROL	0.0	GPM
3.	A1262	FWST LEVEL CH 1	9.01441	%
4.	A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5.	A0586	4KV BUS ETA VOLTS	4.10356	KV
6.	A0575	4KV BUS ETB VOLTS	4.11445	KV
GROUP: 20	SAFETY INJECTION SYSTEMS			
1.	P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2.	D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3.	D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4.	A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5.	D2456	NI PUMP A	OFF	
6.	A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7.	D2446	NI PUMP B	OFF	
8.	A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9.	D2455	ND PUMP A	OFF	
10.	A0902	ND HX A OUTLET FLOW	0.0	GPM
11.	D2445	ND PUMP B	ON	
12.	A0908	ND HX B OUTLET FLOW	0.0	GPM
GROUP: 25	CONTAINMENT SYSTEMS			
1.	A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	1.62667	PSIG
2.	P1500	UPPER CONT AVG TEMP - OPERATING UNITS	94.0316	DEG F
3.	A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	8.30740	FT
4.	A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5.	D2448	NS PUMP A	ON	
6.	D2438	NS PUMP B	ON	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA			
1.	P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	-2209.71	GPM
2.	A0092	IN-CORE TEMP G04	460.048	DEG F
3.	A0051	IN-CORE TEMP L04	460.048	DEG F
4.	A0057	IN-CORE TEMP L08	460.048	DEG F
5.	A0033	IN-CORE TEMP J10	460.048	DEG F
6.	A0081	IN-CORE TEMP N06	460.048	DEG F
7.	A0087	IN-CORE TEMP N10	460.048	DEG F
8.	A0063	IN-CORE TEMP L12	460.048	DEG F
9.	A0104	IN-CORE TEMP G12	460.048	DEG F
10.	A0050	IN-CORE TEMP C08	460.048	DEG F
11.	A0038	IN-CORE TEMP C04	460.048	DEG F
12.	A0062	IN-CORE TEMP E02	460.048	DEG F
13.	A0086	IN-CORE TEMP G02	459.412	DEG F
14.	A0116	IN-CORE TEMP J02	459.412	DEG F
15.	A0075	IN-CORE TEMP N04	459.412	DEG F
16.	A0093	IN-CORE TEMP N12	459.412	DEG F
17.	A0039	IN-CORE TEMP J14	459.412	DEG F
18.	A0110	IN-CORE TEMP G14	459.412	DEG F
19.	A0080	IN-CORE TEMP E14	459.412	DEG F
20.	A0056	IN-CORE TEMP C12	459.412	DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	450.037 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	452.453 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	452.453 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	452.453 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	452.453 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	426.033 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	451.948 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	451.902 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	451.902 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	413.931 PSIA
16.	A0707	PZR LEVEL CH I	0.0 %
17.	D2037	REACTOR COOLANT PUMP A	OFF
18.	D2085	REACTOR COOLANT PUMP B	OFF
19.	D2038	REACTOR COOLANT PUMP C	OFF
20.	D2086	REACTOR COOLANT PUMP D	OFF
21.	P0166	RVLIS TRAIN A D/P	-1.0 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	62.7242 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	56.4480 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	6.67795 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	6.6003E-09 %
GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	63.2342 %
2.	A0680	S/G B WIDE RANGE LEVEL	68.7402 %
3.	A0686	S/G C WIDE RANGE LEVEL	65.7695 %
4.	A0692	S/G D WIDE RANGE LEVEL	64.2313 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	49.7470 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	61.3081 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	54.6120 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	49.5244 %
9.	A0723	S/G A STEAM PRESS CH #1	496.733 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	298.125 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	383.301 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	383.982 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	0.0 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	0.0 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	0.0 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	0.0 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	0.0 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	0.0 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	0.0 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	0.0 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

CNS SIMULATOR DATA

Date: 05 26 1993 Time: 0940P

GROUP:	SYSTEMS	UNIT	VALUE	UNIT
GROUP: 15	AUXILIARY SYSTEMS			
1. A0452	NV LETDOWN FLOW		0.0	GPM
2. A0820	CHARGING LINE FLOW CONTROL		0.0	GPM
3. A1262	FWST LEVEL CH 1		9.01441	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)		572.016	FT
5. A0586	4KV BUS ETA VOLTS		4.10282	KV
6. A0575	4KV BUS ETB VOLTS		4.11444	KV
GROUP: 20	SAFETY INJECTION SYSTEMS			
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW		NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A		OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B		OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW		0.0	GPM
5. D2456	NI PUMP A		OFF	
6. A1512	NI PUMP A INJECTION FLOW		0.0	GPM
7. D2446	NI PUMP B		OFF	
8. A1518	NI PUMP B INJECTION FLOW		0.0	GPM
9. D2455	ND PUMP A		OFF	
10. A0902	ND HX A OUTLET FLOW		0.0	GPM
11. D2445	ND PUMP B		ON	
12. A0908	ND HX B OUTLET FLOW		1.7120E-02	GPM
GROUP: 25	CONTAINMENT SYSTEMS			
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)		1.54195	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS		93.7796	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)		8.35809	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)		0.0	%
5. D2448	NS PUMP A		ON	
6. D2438	NS PUMP B		ON	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA			
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG		-2209.71	GPM
2. A0092	IN-CORE TEMP G04		448.227	DEG F
3. A0051	IN-CORE TEMP L04		448.226	DEG F
4. A0057	IN-CORE TEMP L08		448.227	DEG F
5. A0033	IN-CORE TEMP J10		448.227	DEG F
6. A0081	IN-CORE TEMP N06		448.227	DEG F
7. A0087	IN-CORE TEMP N10		448.227	DEG F
8. A0063	IN-CORE TEMP L12		448.226	DEG F
9. A0104	IN-CORE TEMP G12		448.226	DEG F
10. A0050	IN-CORE TEMP C08		447.513	DEG F
11. A0038	IN-CORE TEMP C04		447.813	DEG F
12. A0062	IN-CORE TEMP E02		447.813	DEG F
13. A0086	IN-CORE TEMP G02		447.813	DEG F
14. A0116	IN-CORE TEMP J02		447.813	DEG F
15. A0075	IN-CORE TEMP N04		447.813	DEG F
16. A0093	IN-CORE TEMP N12		447.813	DEG F
17. A0039	IN-CORE TEMP J14		447.813	DEG F
18. A0110	IN-CORE TEMP G14		447.812	DEG F
19. A0080	IN-CORE TEMP E14		447.813	DEG F
20. A0056	IN-CORE TEMP C12		447.813	DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	437.481 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	439.402 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	439.402 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	439.402 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	439.402 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	429.355 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	439.212 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	439.182 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	439.182 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	364.382 PSIA
16.	A0707	PZR LEVEL CH I	0.0 %
17.	D2037	REACTOR COOLANT PUMP A	OFF
18.	D2085	REACTOR COOLANT PUMP B	OFF
19.	D2038	REACTOR COOLANT PUMP C	OFF
20.	D2086	REACTOR COOLANT PUMP D	OFF
21.	P0166	RVLIS TRAIN A D/P	-1.0 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	62.8654 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	56.5313 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	5.23103 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	5.4116E-09 %

GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	62.9317 %
2.	A0680	S/G B WIDE RANGE LEVEL	68.7987 %
3.	A0686	S/G C WIDE RANGE LEVEL	65.8076 %
4.	A0692	S/G D WIDE RANGE LEVEL	64.2607 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	47.7975 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	60.2023 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	53.0940 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	47.9656 %
9.	A0723	S/G A STEAM PRESS CH #1	464.134 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	267.677 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	338.016 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	336.541 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	0.0 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	0.0 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	0.0 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	0.0 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	0.0 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	0.0 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	0.0 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	0.0 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

GROUP:	SYSTEMS		
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	0.0	GPM
2. A0820	CHARGING LINE FLOW CONTROL	0.0	GPM
3. A1262	FWST LEVEL CH 1	9.01441	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.10225	KV
6. A0575	4KV BUS ETB VOLTS	4.11442	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	0.0	GPM
11. D2445	ND PUMP B	ON	
12. A0908	ND HX B OUTLET FLOW	8.5601E-03	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	1.19351	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	87.5978	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	8.1109	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.	%
5. D2448	NS PUMP A	ON	
6. D2438	NS PUMP B	ON	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	-679.224	GPM
2. A0092	IN-CORE TEMP G04	435.791	DEG F
3. A0051	IN-CORE TEMP L04	435.791	DEG F
4. A0057	IN-CORE TEMP L08	435.276	DEG F
5. A0033	IN-CORE TEMP J10	435.276	DEG F
6. A0081	IN-CORE TEMP N06	435.276	DEG F
7. A0087	IN-CORE TEMP N10	435.276	DEG F
8. A0063	IN-CORE TEMP L12	435.276	DEG F
9. A0104	IN-CORE TEMP G12	435.276	DEG F
10. A0050	IN-CORE TEMP C08	435.276	DEG F
11. A0038	IN-CORE TEMP C04	435.276	DEG F
12. A0062	IN-CORE TEMP E02	435.276	DEG F
13. A0086	IN-CORE TEMP G02	435.276	DEG F
14. A0116	IN-CORE TEMP J02	435.276	DEG F
15. A0075	IN-CORE TEMP N04	435.276	DEG F
16. A0093	IN-CORE TEMP N12	435.276	DEG F
17. A0039	IN-CORE TEMP J14	435.276	DEG F
18. A0110	IN-CORE TEMP G14	435.276	DEG F
19. A0080	IN-CORE TEMP E14	435.276	DEG F
20. A0056	IN-CORE TEMP C12	435.276	DEG F

GROUP: 05	PRIMARY SYSTEMS		
1. P0828	5 HIGHEST IN-CORE T/C TEMP	424.283	DEG F
2. A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	426.270	DEG F
3. A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	426.270	DEG F
4. A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	426.270	DEG F
5. A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	426.270	DEG F
6. A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	426.053	DEG F
7. A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	426.034	DEG F
8. A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	426.075	DEG F
9. A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	426.075	DEG F
10. P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED	DEG F
11. P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED	DEG F
12. P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED	DEG F
13. P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED	DEG F
14. P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED	DEG F
15. P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	318.963	PSIA
16. A0707	PZR LEVEL CH I	0.0	%
17. D2037	REACTOR COOLANT PUMP A	OFF	
18. D2085	REACTOR COOLANT PUMP B	OFF	
19. D2038	REACTOR COOLANT PUMP C	OFF	
20. D2086	REACTOR COOLANT PUMP D	OFF	
21. P0166	RVLIS TRAIN A D/P	-1.0	%
22. P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	62.9913	%
23. P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	56.8309	%
25. A1500	SOURCE RANGE LEVEL CHANNEL 1	4.49705	CPS
26. A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08	MA
27. P0738	POWER RANGE AVG LEVEL AVG	4.4148E-09	%
GROUP: 10	SECONDARY SYSTEMS		
1. A0674	S/G A WIDE RANGE LEVEL	63.5426	%
2. A0680	S/G B WIDE RANGE LEVEL	68.8260	%
3. A0686	S/G C WIDE RANGE LEVEL	65.8832	%
4. A0692	S/G D WIDE RANGE LEVEL	64.3253	%
5. A0531	S/G A NARROW RANGE LEVEL CH 1	45.8581	%
6. A0537	S/G B NARROW RANGE LEVEL CH 2	59.2025	%
7. A0627	S/G C NARROW RANGE LEVEL CH 3	51.6809	%
8. A0639	S/G D NARROW RANGE LEVEL CH 4	46.5148	%
9. A0723	S/G A STEAM PRESS CH #1	341.497	PSIG
10. A0729	S/G B STEAM PRESS CH #1	242.499	PSIG
11. A0735	S/G C STEAM PRESS CH #1	295.205	PSIG
12. A0741	S/G D STEAM PRESS CH #1	295.242	PSIG
13. P0154	S/G A FEEDWATER FLOW CH 1	0.0	MPPH
14. P0156	S/G B FEEDWATER FLOW CH 1	0.0	MPPH
15. P0158	S/G C FEEDWATER FLOW CH 1	0.0	MPPH
16. P0160	S/G D FEEDWATER FLOW CH 1	0.0	MPPH
17. A0974	CA FLOW TO S/G A (0 TO 600 GPM)	0.0	GPM
18. A0975	CA FLOW TO S/G B (0 TO 600 GPM)	0.0	GPM
19. A0976	CA FLOW TO S/G C (0 TO 600 GPM)	0.0	GPM
20. A0977	CA FLOW TO S/G D (0 TO 600 GPM)	0.0	GPM
21. P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0	LB

GROUP:	SYSTEMS		
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	0.0	GPM
2. A0820	CHARGING LINE FLOW CONTROL	0.0	GPM
3. A1262	FWST LEVEL CH 1	9.01441	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.10225	KV
6. A0575	4KV BUS ETB VOLTS	4.11442	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	0.0	GPM
11. D2445	ND PUMP B	ON	
12. A0908	ND HX B OUTLET FLOW	0.0	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	1.04095	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	85.1966	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	8.46507	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	ON	
6. D2438	NS PUMP B	ON	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	-679.224	GPM
2. A0092	IN-CORE TEMP G04	422.112	DEG F
3. A0051	IN-CORE TEMP L04	422.112	DEG F
4. A0057	IN-CORE TEMP L08	422.112	DEG F
5. A0033	IN-CORE TEMP J10	422.112	DEG F
6. A0081	IN-CORE TEMP N06	422.112	DEG F
7. A0087	IN-CORE TEMP N10	422.112	DEG F
8. A0063	IN-CORE TEMP L12	422.112	DEG F
9. A0104	IN-CORE TEMP G12	422.112	DEG F
10. A0050	IN-CORE TEMP C08	422.112	DEG F
11. A0030	IN-CORE TEMP C04	422.112	DEG F
12. A0062	IN-CORE TEMP E02	422.112	DEG F
13. A0086	IN-CORE TEMP G02	422.112	DEG F
14. A0116	IN-CORE TEMP J02	422.112	DEG F
15. A0075	IN-CORE TEMP N04	422.112	DEG F
16. A0093	IN-CORE TEMP N12	422.112	DEG F
17. A0039	IN-CORE TEMP J14	422.112	DEG F
18. A0110	IN-CORE TEMP G14	422.112	DEG F
19. A0080	IN-CORE TEMP E14	422.112	DEG F
20. A0056	IN-CORE TEMP C12	422.112	DEG F

GROUP: 05	PRIMARY SYSTEMS		
1. P0828	5 HIGHEST IN-CORE T/C TEMP	416.656	DEG F
2. A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	415.796	DEG F
3. A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	415.796	DEG F
4. A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	415.796	DEG F
5. A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	415.796	DEG F
6. A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	414.154	DEG F
7. A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	389.180	DEG F
8. A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	414.998	DEG F
9. A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	414.837	DEG F
10. P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED	DEG F
11. P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED	DEG F
12. P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED	DEG F
13. P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED	DEG F
14. P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED	DEG F
15. P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	288.653	PSIA
16. A0707	PZR LEVEL CH I	0.0	%
17. D2037	REACTOR COOLANT PUMP A	OFF	
18. D2085	REACTOR COOLANT PUMP B	OFF	
19. D2038	REACTOR COOLANT PUMP C	OFF	
20. D2086	REACTOR COOLANT PUMP D	OFF	
21. P0166	RVLIS TRAIN A D/P	-1.0	%
22. P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	63.0648	%
23. P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	56.2492	%
25. A1500	SOURCE RANGE LEVEL CHANNEL 1	3.59478	CPS
26. A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08	MA
27. P0738	POWER RANGE AVG LEVEL AVG	3.6554E-09	%
GROUP: 10	SECONDARY SYSTEMS		
1. A0674	S/G A WIDE RANGE LEVEL	63.5458	%
2. A0680	S/G B WIDE RANGE LEVEL	68.2747	%
3. A0686	S/G C WIDE RANGE LEVEL	65.8142	%
4. A0692	S/G D WIDE RANGE LEVEL	64.2446	%
5. A0531	S/G A NARROW RANGE LEVEL CH 1	44.5731	%
6. A0537	S/G B NARROW RANGE LEVEL CH 2	58.6515	%
7. A0627	S/G C NARROW RANGE LEVEL CH 3	50.6147	%
8. A0639	S/G D NARROW RANGE LEVEL CH 4	45.4189	%
9. A0723	S/G A STEAM PRESS CH #1	309.668	PSIG
10. A0729	S/G B STEAM PRESS CH #1	268.019	PSIG
11. A0735	S/G C STEAM PRESS CH #1	270.938	PSIG
12. A0741	S/G D STEAM PRESS CH #1	270.941	PSIG
13. P0154	S/G A FEEDWATER FLOW CH 1	0.0	MPPH
14. P0156	S/G B FEEDWATER FLOW CH 1	0.0	MPPH
15. P0158	S/G C FEEDWATER FLOW CH 1	0.0	MPPH
16. P0160	S/G D FEEDWATER FLOW CH 1	0.0	MPPH
17. A0974	CA FLOW TO S/G A (0 TO 600 GPM)	0.0	GPM
18. A0975	CA FLOW TO S/G B (0 TO 600 GPM)	0.0	GPM
19. A0976	CA FLOW TO S/G C (0 TO 600 GPM)	0.0	GPM
20. A0977	CA FLOW TO S/G D (0 TO 600 GPM)	0.0	GPM
21. P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0	LB

GROUP: 15 ----- AUXILIARY SYSTEMS -----

1. A0452	NV LETDOWN FLOW	0.0	GPM
2. A0820	CHARGING LINE FLOW CONTROL	0.0	GPM
3. A1262	FWST LEVEL CH 1	9.01441	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.10223	KV
6. A0575	4KV BUS ETB VOLTS	4.11442	KV

GROUP: 20 ----- SAFETY INJECTION SYSTEMS -----

1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	0.0	GPM
11. D2445	ND PUMP B	ON	
12. A0908	ND HX B OUTLET FLOW	0.0	GPM

GROUP: 25 ----- CONTAINMENT SYSTEMS -----

1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	0.96804	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	84.3581	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	8.50923	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	ON	
6. D2438	NS PUMP B	ON	

GROUP: 30 ----- ADDITIONAL PRIMARY SYSTEMS DATA -----

1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	-1218.34	GPM
2. A0092	IN-CORE TEMP G04	424.760	DEG F
3. A0051	IN-CORE TEMP L04	424.572	DEG F
4. A0057	IN-CORE TEMP L08	424.747	DEG F
5. A0033	IN-CORE TEMP J10	424.819	DEG F
6. A0081	IN-CORE TEMP N06	424.867	DEG F
7. A0087	IN-CORE TEMP N10	424.871	DEG F
8. A0063	IN-CORE TEMP L12	424.579	DEG F
9. A0104	IN-CORE TEMP G12	424.615	DEG F
10. A0050	IN-CORE TEMP C08	424.673	DEG F
11. A0038	IN-CORE TEMP C04	424.568	DEG F
12. A0062	IN-CORE TEMP E02	424.572	DEG F
13. A0086	IN-CORE TEMP G02	424.612	DEG F
14. A0116	IN-CORE TEMP J02	424.742	DEG F
15. A0075	IN-CORE TEMP N04	424.571	DEG F
16. A0093	IN-CORE TEMP N12	423.453	DEG F
17. A0039	IN-CORE TEMP J14	423.484	DEG F
18. A0110	IN-CORE TEMP G14	423.302	DEG F
19. A0080	IN-CORE TEMP E14	423.449	DEG F
20. A0056	IN-CORE TEMP C12	423.445	DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	436.328 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	432.523 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	432.545 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	432.545 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	432.545 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	400.995 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	381.226 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	391.688 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	390.320 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	357.668 PSIA
16.	A0707	PZR LEVEL CH I	0.0 %
17.	D2037	REACTOR COOLANT PUMP A	OFF
18.	D2085	REACTOR COOLANT PUMP B	OFF
19.	D2038	REACTOR COOLANT PUMP C	OFF
20.	D2086	REACTOR COOLANT PUMP D	OFF
21.	P0166	RVLIS TRAIN A D/P	-1.0 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	62.9241 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	55.6127 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	3.10488 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	3.4308E-09 %

GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	63.2193 %
2.	A0680	S/G B WIDE RANGE LEVEL	67.4166 %
3.	A0686	S/G C WIDE RANGE LEVEL	65.1009 %
4.	A0692	S/G D WIDE RANGE LEVEL	63.4699 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	43.5002 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	57.8682 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	49.7926 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	44.5493 %
9.	A0723	S/G A STEAM PRESS CH #1	311.393 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	320.805 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	308.131 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	313.276 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	0.0 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	0.0 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	0.0 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	0.0 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	0.0 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	0.0 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	0.0 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	0.0 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

CNS SIMULATOR DATA

Date: 05 26 1993 Time: 1000P

GROUP:	SYSTEMS	VALUE	UNIT
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	0.0	GPM
2. A0820	CHARGING LINE FLOW CONTROL	0.0	GPM
3. A1262	FWST LEVEL CH 1	9.01441	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.10224	KV
6. A0575	4KV BUS ETB VOLTS	4.11442	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	0.0	GPM
11. D2445	ND PUMP B	ON	
12. A0908	ND HX B OUTLET FLOW	0.0	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	0.99434	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	83.6461	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	8.55638	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	ON	
6. D2438	NS PUMP B	ON	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	-1218.34	GPM
2. A0092	IN-CORE TEMP G04	436.380	DEG F
3. A0051	IN-CORE TEMP L04	436.005	DEG F
4. A0057	IN-CORE TEMP L08	436.352	DEG F
5. A0033	IN-CORE TEMP J10	436.497	DEG F
6. A0081	IN-CORE TEMP N06	436.593	DEG F
7. A0087	IN-CORE TEMP N10	436.600	DEG F
8. A0063	IN-CORE TEMP L12	436.017	DEG F
9. A0104	IN-CORE TEMP G12	436.090	DEG F
10. A0050	IN-CORE TEMP C08	436.206	DEG F
11. A0038	IN-CORE TEMP C04	435.996	DEG F
12. A0062	IN-CORE TEMP E02	436.004	DEG F
13. A0086	IN-CORE TEMP G02	436.085	DEG F
14. A0116	IN-CORE TEMP J02	436.343	DEG F
15. A0075	IN-CORE TEMP N04	436.001	DEG F
16. A0093	IN-CORE TEMP N12	436.019	DEG F
17. A0039	IN-CORE TEMP J14	436.092	DEG F
18. A0110	IN-CORE TEMP G14	435.668	DEG F
19. A0080	IN-CORE TEMP E14	436.010	DEG F
20. A0056	IN-CORE TEMP C12	436.001	DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	434.633 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	436.938 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	436.738 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	436.938 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	436.938 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	405.807 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	391.378 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	413.791 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	392.497 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	354.019 PSIA
16.	A0707	PZR LEVEL CH I	0.0 %
17.	D2037	REACTOR COOLANT PUMP A	OFF
18.	D2085	REACTOR COOLANT PUMP B	OFF
19.	D2038	REACTOR COOLANT PUMP C	OFF
20.	D2086	REACTOR COOLANT PUMP D	OFF
21.	P0166	RVLIS TRAIN A D/P	-1.0 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	62.9427 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	55.9643 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	3.53596 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	3.2574E-09 %
GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	62.7053 %
2.	A0680	S/G B WIDE RANGE LEVEL	67.0334 %
3.	A0686	S/G C WIDE RANGE LEVEL	64.6175 %
4.	A0692	S/G D WIDE RANGE LEVEL	62.9531 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	42.5281 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	56.8494 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	48.6993 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	43.3186 %
9.	A0723	S/G A STEAM PRESS CH #1	328.092 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	327.262 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	325.404 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	328.617 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	0.0 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	0.0 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	0.0 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	0.0 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	0.0 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	0.0 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	0.0 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	0.0 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

GROUP	SYSTEMS	VALUE	UNIT
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	0.0	GPM
2. A0820	CHARGING LINE FLOW CONTROL	0.0	GPM
3. A1262	FWST LEVEL CH 1	9.01441	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.10225	KV
6. A0575	4KV BUS ETB VOLTS	4.11442	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	OFF	
8. A1518	NI PUMP B INJECTION FLOW	0.0	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	0.0	GPM
11. D2445	ND PUMP B	ON	
12. A0908	ND HX B OUTLET FLOW	0.0	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	0.98525	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	82.8673	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	8.60771	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	ON	
6. D2438	NS PUMP B	ON	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	-1478.18	GPM
2. A0092	IN-CORE TEMP G04	436.788	DEG F
3. A0051	IN-CORE TEMP L04	436.363	DEG F
4. A0057	IN-CORE TEMP L08	436.310	DEG F
5. A0033	IN-CORE TEMP J10	436.471	DEG F
6. A0081	IN-CORE TEMP N06	436.579	DEG F
7. A0087	IN-CORE TEMP N10	436.586	DEG F
8. A0063	IN-CORE TEMP L12	435.935	DEG F
9. A0104	IN-CORE TEMP G12	436.016	DEG F
10. A0050	IN-CORE TEMP C08	436.146	DEG F
11. A0038	IN-CORE TEMP C04	435.911	DEG F
12. A0062	IN-CORE TEMP E02	435.920	DEG F
13. A0086	IN-CORE TEMP G02	436.010	DEG F
14. A0116	IN-CORE TEMP J02	436.299	DEG F
15. A0075	IN-CORE TEMP N04	435.917	DEG F
16. A0093	IN-CORE TEMP N12	435.937	DEG F
17. A0039	IN-CORE TEMP J14	436.019	DEG F
18. A0110	IN-CORE TEMP G14	435.545	DEG F
19. A0080	IN-CORE TEMP E14	435.927	DEG F
20. A0056	IN-CORE TEMP C12	435.917	DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	437.117 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	438.799 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	438.798 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	438.799 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	438.474 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	408.406 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	405.946 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	396.523 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	406.852 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST N SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	367.514 PSIA
16.	A0707	PZR LEVEL CH I	0.0 %
17.	D2037	REACTOR COOLANT PUMP A	OFF
18.	D2085	REACTOR COOLANT PUMP B	OFF
19.	D2038	REACTOR COOLANT PUMP C	OFF
20.	D2086	REACTOR COOLANT PUMP D	OFF
21.	P0166	RVLIS TRAIN A D/P	-1.0 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	62.9334 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	56.3540 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	2.95550 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	3.1320E-09 %
GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	62.1407 %
2.	A0680	S/G B WIDE RANGE LEVEL	66.5595 %
3.	A0686	S/G C WIDE RANGE LEVEL	64.2204 %
4.	A0692	S/G D WIDE RANGE LEVEL	62.6021 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	40.8210 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	55.7711 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	47.5021 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	42.3038 %
9.	A0723	S/G A STEAM PRESS CH #1	332.221 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	341.261 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	328.793 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	330.212 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	0.0 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	0.0 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	0.0 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	0.0 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	0.0 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	0.0 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	0.0 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	0.0 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

CNS SIMULATOR DATA

Date: 05 26 1993 Time: 1010P

GROUP:	SYSTEMS	VALUE	UNIT
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	0.0	GPM
2. A0820	CHARGING LINE FLOW CONTROL	0.0	GPM
3. A1262	FWST LEVEL CH 1	9.01441	%
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.10219	KV
6. A0575	4KV BUS ETB VOLTS	4.11196	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	ON	
8. A1518	NI PUMP B INJECTION FLOW	598.385	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	0.0	GPM
11. D2445	ND PUMP B	ON	
12. A0908	ND HX B OUTLET FLOW	0.0	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	0.97245	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	82.7695	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	8.63592	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	ON	
6. D2438	NS PUMP B	ON	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	-1478.18	GPM
2. A0092	IN-CORE TEMP G04	439.018	DEG F
3. A0051	IN-CORE TEMP L04	438.503	DEG F
4. A0057	IN-CORE TEMP L08	438.980	DEG F
5. A0033	IN-CORE TEMP J10	439.178	DEG F
6. A0081	IN-CORE TEMP N06	439.310	DEG F
7. A0087	IN-CORE TEMP N10	439.320	DEG F
8. A0063	IN-CORE TEMP L12	438.520	DEG F
9. A0104	IN-CORE TEMP G12	438.620	DEG F
10. A0050	IN-CORE TEMP C08	438.780	DEG F
11. A0038	IN-CORE TEMP C04	438.491	DEG F
12. A0062	IN-CORE TEMP E02	438.502	DEG F
13. A0086	IN-CORE TEMP G02	439.254	DEG F
14. A0116	IN-CORE TEMP J02	439.617	DEG F
15. A0075	IN-CORE TEMP N04	439.136	DEG F
16. A0093	IN-CORE TEMP N12	439.161	DEG F
17. A0039	IN-CORE TEMP J14	439.264	DEG F
18. A0110	IN-CORE TEMP G14	438.666	DEG F
19. A0080	IN-CORE TEMP E14	439.148	DEG F
20. A0056	IN-CORE TEMP C12	439.135	DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	438.808 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	440.507 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	440.519 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	440.516 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	440.517 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	400.245 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	390.712 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	397.376 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	395.501 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	372.793 PSIA
16.	A0707	PZR LEVEL CH I	0.0 %
17.	D2037	REACTOR COOLANT PUMP A	OFF
18.	D2085	REACTOR COOLANT PUMP B	OFF
19.	D2038	REACTOR COOLANT PUMP C	OFF
20.	D2086	REACTOR COOLANT PUMP D	OFF
21.	P0166	RVLIS TRAIN A D/P	-1.0 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	62.9176 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	56.1103 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	3.04337 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	3.0655E-09 %

GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	61.5606 %
2.	A0680	S/G B WIDE RANGE LEVEL	66.3432 %
3.	A0686	S/G C WIDE RANGE LEVEL	63.7571 %
4.	A0692	S/G D WIDE RANGE LEVEL	61.9369 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	38.9816 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	54.4457 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	46.4231 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	40.2514 %
9.	A0723	S/G A STEAM PRESS CH #1	336.636 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	325.357 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	340.925 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	342.072 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	0.0 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	0.0 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	0.0 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	0.0 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	0.0 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	0.0 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	0.0 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	0.0 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

CNS SIMULATOR DATA

Date: 05 26 1993 Time: 1015P

GROUP:	SYSTEMS	VALUE	UNIT
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	0.0	GPM
2. A0820	CHARGING LINE FLOW CONTROL	0.0	GPM
3. A1262	FWST LEVEL CH 1	9.01441	ft
4. A1013	SNSWP LEVEL (566 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.10219	KV
6. A0575	4KV BUS ETB VOLTS	4.11196	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	ON	
8. A1518	NI PUMP B INJECTION FLOW	602.763	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	0.0	GPM
11. D2445	ND PUMP B	ON	
12. A0908	ND HX B OUTLET FLOW	2.5680E-02	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	0.94198	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	81.5701	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	8.63060	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	ft
5. D2448	NS PUMP A	ON	
6. D2438	NS PUMP B	ON	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	843.133	GPM
2. A0092	IN-CORE TEMP G04	433.053	DEG F
3. A0051	IN-CORE TEMP L04	432.675	DEG F
4. A0057	IN-CORE TEMP L08	433.026	DEG F
5. A0033	IN-CORE TEMP J10	433.171	DEG F
6. A0081	IN-CORE TEMP N06	433.268	DEG F
7. A0087	IN-CORE TEMP N10	433.275	DEG F
8. A0063	IN-CORE TEMP L12	432.688	DEG F
9. A0104	IN-CORE TEMP G12	432.761	DEG F
10. A0050	IN-CORE TEMP C08	432.878	DEG F
11. A0038	IN-CORE TEMP C04	432.666	DEG F
12. A0062	IN-CORE TEMP E02	432.674	DEG F
13. A0086	IN-CORE TEMP G02	432.756	DEG F
14. A0116	IN-CORE TEMP J02	433.016	DEG F
15. A0075	IN-CORE TEMP N04	432.672	DEG F
16. A0093	IN-CORE TEMP N12	432.689	DEG F
17. A0039	IN-CORE TEMP J14	432.763	DEG F
18. A0110	IN-CORE TEMP G14	432.336	DEG F
19. A0080	IN-CORE TEMP E14	431.716	DEG F
20. A0056	IN-CORE TEMP C12	431.708	DEG F

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GROUP: 05 ----- PRIMARY SYSTEMS -----
 1. P0828 5 HIGHEST IN-CORE T/C TEMP 433.749 DEG F
 2. A0668 NC LOOP A WIDE RANGE HOT LEG TEMP 434.408 DEG F
 3. A0669 NC LOOP B WIDE RANGE HOT LEG TEMP 434.408 DEG F
 4. A0670 NC LOOP C WIDE RANGE HOT LEG TEMP 434.408 DEG F
 5. A0671 NC LOOP D WIDE RANGE HOT LEG TEMP 434.408 DEG F
 6. A0700 NC LOOP A WIDE RANGE COLD LEG TEMP 373.040 DEG F
 7. A0706 NC LOOP B WIDE RANGE COLD LEG TEMP 377.711 DEG F
 8. A0712 NC LOOP C WIDE RANGE COLD LEG TEMP 408.905 DEG F
 9. A0718 NC LOOP D WIDE RANGE COLD LEG TEMP 377.898 DEG F
10. P0983 NC LOOP A WIDE RANGE D/T NOT SIMULATED DEG F
11. P0984 NC LOOP B WIDE RANGE D/T NOT SIMULATED DEG F
12. P0985 NC LOOP C WIDE RANGE D/T NOT SIMULATED DEG F
13. P0986 NC LOOP D WIDE RANGE D/T NOT SIMULATED DEG F
14. P1545 LOWEST NC SYSTEM SUBCOOLING MARGIN NOT SIMULATED DEG F
15. P1389 NC SYSTEM PRESSURE, BEST ESTIMATE 352.208 PSIA
16. A0707 PZR LEVEL CH I 0.0 %
17. D2037 REACTOR COOLANT PUMP A OFF
18. D2085 REACTOR COOLANT PUMP B OFF
19. D2038 REACTOR COOLANT PUMP C OFF
20. D2086 REACTOR COOLANT PUMP D OFF
21. P0166 RVLIS TRAIN A D/P -1.0 %
22. P0164 RVLIS TRAIN A UPPER RANGE (60 TO 120%) 62.9593 %
23. P0162 RVLIS TRAIN A LOWER RANGE (0 TO 70%) 57.7968 %
25. A1500 SOURCE RANGE LEVEL CHANNEL 1 2.31167 CPS
26. A0766 INTERMEDIATE RANGE LEVEL CHANNEL 1 1.0105E-08 MA
27. P0738 POWER RANGE AVG LEVEL AVG 2.9688E-09 %

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GROUP: 10 ----- SECONDARY SYSTEMS -----
 1. A0674 S/G A WIDE RANGE LEVEL 61.2857 %
 2. A0680 S/G B WIDE RANGE LEVEL 66.0692 %
 3. A0686 S/G C WIDE RANGE LEVEL 63.8841 %
 4. A0692 S/G D WIDE RANGE LEVEL 61.5930 %
 5. A0531 S/G A NARROW RANGE LEVEL CH 1 36.7696 %
 6. A0537 S/G B NARROW RANGE LEVEL CH 2 53.3790 %
 7. A0627 S/G C NARROW RANGE LEVEL CH 3 45.1227 %
 8. A0639 S/G D NARROW RANGE LEVEL CH 4 38.4069 %
 9. A0723 S/G A STEAM PRESS CH #1 304.862 PSIG
10. A0729 S/G B STEAM PRESS CH #1 321.108 PSIG
11. A0735 S/G C STEAM PRESS CH #1 296.223 PSIG
12. A0741 S/G D STEAM PRESS CH #1 319.393 PSIG
13. P0154 S/G A FEEDWATER FLOW CH 1 0.0 MPPH
14. P0156 S/G B FEEDWATER FLOW CH 1 0.0 MPPH
15. P0158 S/G C FEEDWATER FLOW CH 1 0.0 MPPH
16. P0160 S/G D FEEDWATER FLOW CH 1 0.0 MPPH
17. A0974 CA FLOW TO S/G A (0 TO 600 GPM) 0.0 GPM
18. A0975 CA FLOW TO S/G B (0 TO 600 GPM) 0.0 GPM
19. A0976 CA FLOW TO S/G C (0 TO 600 GPM) 0.0 GPM
20. A0977 CA FLOW TO S/G D (0 TO 600 GPM) 0.0 GPM
21. P0614 TOTAL M/S RELEASED DURING LAST 15 MINUTES 0.0 LB

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CNS SIMULATOR DATA

Date: 05 26 1993 Time: 1020P

GROUP:	SYSTEMS		
GROUP: 15	AUXILIARY SYSTEMS		
1. A0452	NV LETDOWN FLOW	0.0	GPM
2. A0820	CHARGING LINE FLOW CONTROL	0.0	GPM
3. A1262	FWST LEVEL CH 1	9.01441	%
4. A1013	SNSWP LEVEL (506 TO 572 FT)	572.016	FT
5. A0586	4KV BUS ETA VOLTS	4.10218	KV
6. A0575	4KV BUS ETB VOLTS	4.11196	KV
GROUP: 20	SAFETY INJECTION SYSTEMS		
1. P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED	gpm
2. D2450	CENTRIFUGAL CHARGING PUMP A	OFF	
3. D2440	CENTRIFUGAL CHARGING PUMP B	OFF	
4. A0447	NV/CCP COLD LEG INJ FLOW	0.0	GPM
5. D2456	NI PUMP A	OFF	
6. A1512	NI PUMP A INJECTION FLOW	0.0	GPM
7. D2446	NI PUMP B	ON	
8. A1518	NI PUMP B INJECTION FLOW	601.281	GPM
9. D2455	ND PUMP A	OFF	
10. A0902	ND HX A OUTLET FLOW	0.0	GPM
11. D2445	ND PUMP B	ON	
12. A0908	ND HX B OUTLET FLOW	8.5601E-03	GPM
GROUP: 25	CONTAINMENT SYSTEMS		
1. A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	0.90151	PSIG
2. P1500	UPPER CONT AVG TEMP - OPERATING UNITS	80.9957	DEG F
3. A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	8.62192	FT
4. A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0	%
5. D2448	NS PUMP A	ON	
6. D2438	NS PUMP B	ON	
GROUP: 30	ADDITIONAL PRIMARY SYSTEMS DATA		
1. P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	843.133	GPM
2. A0092	IN-CORE TEMP G04	435.745	DEG F
3. A0051	IN-CORE TEMP L04	435.225	DEG F
4. A0057	IN-CORE TEMP L08	435.706	DEG F
5. A0033	IN-CORE TEMP J10	435.906	DEG F
6. A0081	IN-CORE TEMP N06	436.040	DEG F
7. A0087	IN-CORE TEMP N10	436.049	DEG F
8. A0063	IN-CORE TEMP L12	435.241	DEG F
9. A0104	IN-CORE TEMP G12	435.343	DEG F
10. A0050	IN-CORE TEMP C08	435.503	DEG F
11. A0038	IN-CORE TEMP C04	435.213	DEG F
12. A0062	IN-CORE TEMP E02	435.223	DEG F
13. A0086	IN-CORE TEMP G02	435.336	DEG F
14. A0116	IN-CORE TEMP J02	435.693	DEG F
15. A0075	IN-CORE TEMP N04	435.220	DEG F
16. A0093	IN-CORE TEMP N12	435.244	DEG F
17. A0039	IN-CORE TEMP J14	435.346	DEG F
18. A0110	IN-CORE TEMP G14	434.758	DEG F
19. A0080	IN-CORE TEMP E14	435.610	DEG F
20. A0056	IN-CORE TEMP C12	435.597	DEG F

GROUP: 05		PRIMARY SYSTEMS	
1.	P0828	5 HIGHEST IN-CORE T/C TEMP	446.812 DEG F
2.	A0668	NC LOOP A WIDE RANGE HOT LEG TEMP	445.886 DEG F
3.	A0669	NC LOOP B WIDE RANGE HOT LEG TEMP	445.886 DEG F
4.	A0670	NC LOOP C WIDE RANGE HOT LEG TEMP	445.886 DEG F
5.	A0671	NC LOOP D WIDE RANGE HOT LEG TEMP	445.886 DEG F
6.	A0700	NC LOOP A WIDE RANGE COLD LEG TEMP	370.616 DEG F
7.	A0706	NC LOOP B WIDE RANGE COLD LEG TEMP	365.437 DEG F
8.	A0712	NC LOOP C WIDE RANGE COLD LEG TEMP	389.358 DEG F
9.	A0718	NC LOOP D WIDE RANGE COLD LEG TEMP	376.795 DEG F
10.	P0983	NC LOOP A WIDE RANGE D/T	NOT SIMULATED DEG F
11.	P0984	NC LOOP B WIDE RANGE D/T	NOT SIMULATED DEG F
12.	P0985	NC LOOP C WIDE RANGE D/T	NOT SIMULATED DEG F
13.	P0986	NC LOOP D WIDE RANGE D/T	NOT SIMULATED DEG F
14.	P1545	LOWEST NC SYSTEM SUBCOOLING MARGIN	NOT SIMULATED DEG F
15.	P1389	NC SYSTEM PRESSURE, BEST ESTIMATE	396.584 PSIA
16.	A0707	PZR LEVEL CH I	0.0 %
17.	D2037	REACTOR COOLANT PUMP A	OFF
18.	D2085	REACTOR COOLANT PUMP B	OFF
19.	D2038	REACTOR COOLANT PUMP C	OFF
20.	D2086	REACTOR COOLANT PUMP D	OFF
21.	P0166	RVLIS TRAIN A D/P	-1.0 %
22.	P0164	RVLIS TRAIN A UPPER RANGE (60 TO 120%)	62.8519 %
23.	P0162	RVLIS TRAIN A LOWER RANGE (0 TO 70%)	55.7694 %
25.	A1500	SOURCE RANGE LEVEL CHANNEL 1	3.23818 CPS
26.	A0766	INTERMEDIATE RANGE LEVEL CHANNEL 1	1.0105E-08 MA
27.	P0738	POWER RANGE AVG LEVEL AVG	2.8954E-09 %

GROUP: 10		SECONDARY SYSTEMS	
1.	A0674	S/G A WIDE RANGE LEVEL	60.8937 %
2.	A0680	S/G B WIDE RANGE LEVEL	65.3224 %
3.	A0686	S/G C WIDE RANGE LEVEL	63.5385 %
4.	A0692	S/G D WIDE RANGE LEVEL	61.2347 %
5.	A0531	S/G A NARROW RANGE LEVEL CH 1	35.0666 %
6.	A0537	S/G B NARROW RANGE LEVEL CH 2	52.5451 %
7.	A0627	S/G C NARROW RANGE LEVEL CH 3	44.2011 %
8.	A0639	S/G D NARROW RANGE LEVEL CH 4	36.5260 %
9.	A0723	S/G A STEAM PRESS CH #1	291.441 PSIG
10.	A0729	S/G B STEAM PRESS CH #1	365.321 PSIG
11.	A0735	S/G C STEAM PRESS CH #1	302.393 PSIG
12.	A0741	S/G D STEAM PRESS CH #1	297.961 PSIG
13.	P0154	S/G A FEEDWATER FLOW CH 1	0.0 MPPH
14.	P0156	S/G B FEEDWATER FLOW CH 1	0.0 MPPH
15.	P0158	S/G C FEEDWATER FLOW CH 1	0.0 MPPH
16.	P0160	S/G D FEEDWATER FLOW CH 1	0.0 MPPH
17.	A0974	CA FLOW TO S/G A (0 TO 600 GPM)	0.0 GPM
18.	A0975	CA FLOW TO S/G B (0 TO 600 GPM)	0.0 GPM
19.	A0976	CA FLOW TO S/G C (0 TO 600 GPM)	0.0 GPM
20.	A0977	CA FLOW TO S/G D (0 TO 600 GPM)	0.0 GPM
21.	P0614	TOTAL M/S RELEASED DURING LAST 15 MINUTES	0.0 LB

CNS SIMULATOR DATA

Date: 05 26 1993 Time: 1025P

GROUP: 15		----- AUXILIARY SYSTEMS -----	
1.	A0452	NV LETDOWN FLOW	0.0 GPM
2.	A0820	CHARGING LINE FLOW CONTROL	0.0 GPM
3.	A1262	FWST LEVEL CH 1	9.01441 %
4.	A1013	SNSWP LEVEL (566 TO 572 FT)	572.016 FT
5.	A0586	4KV BUS ETA VOLTS	4.10218 KV
6.	A0575	4KV BUS ETB VOLTS	4.11196 KV
GROUP: 20		----- SAFETY INJECTION SYSTEMS -----	
1.	P1325	NC SYSTEM TOTAL EMERGENCY INJECTION FLOW	NOT SIMULATED gpm
2.	D2450	CENTRIFUGAL CHARGING PUMP A	OFF
3.	D2440	CENTRIFUGAL CHARGING PUMP B	OFF
4.	A0447	NV/CCP COLD LEG INJ FLOW	0.0 GPM
5.	D2456	NI PUMP A	OFF
6.	A1512	NI PUMP A INJECTION FLOW	0.0 GPM
7.	D2446	NI PUMP B	ON
8.	A1518	NI PUMP B INJECTION FLOW	589.884 GPM
9.	D2455	ND PUMP A	OFF
10.	A0902	ND HX A OUTLET FLOW	0.0 GPM
11.	D2445	ND PUMP B	ON
12.	A0908	ND HX B OUTLET FLOW	1.7120E-02 GPM
GROUP: 25		----- CONTAINMENT SYSTEMS -----	
1.	A1499	CONTAIN. W/R PRESS TRN A (-5 TO 60 PSIG)	0.93475 PSIG
2.	P1500	UPPER CONT AVG TEMP - OPERATING UNITS	80.7576 DEG F
3.	A1418	CONTAINMENT SUMP LEVEL A (0.5 TO 20.5 FT)	8.61744 FT
4.	A0939	CONTAIN. HYDROGEN CONC. TRN A (0 TO 30%)	0.0 %
5.	D2448	NS PUMP A	ON
6.	D2438	NS PUMP B	ON
GROUP: 30		----- ADDITIONAL PRIMARY SYSTEMS DATA -----	
1.	P0976	GROSS NC SYSTEM LEAK RATE, TEN MINUTE AVG	4960.72 GPM
2.	A0092	IN-CORE TEMP G04	447.861 DEG F
3.	A0051	IN-CORE TEMP L04	446.996 DEG F
4.	A0057	IN-CORE TEMP L08	447.797 DEG F
5.	A0033	IN-CORE TEMP J10	448.130 DEG F
6.	A0081	IN-CORE TEMP N06	448.351 DEG F
7.	A0087	IN-CORE TEMP N10	448.367 DEG F
8.	A0063	IN-CORE TEMP L12	447.024 DEG F
9.	A0104	IN-CORE TEMP G12	447.192 DEG F
10.	A0050	IN-CORE TEMP C08	447.460 DEG F
11.	A0038	IN-CORE TEMP C04	446.976 DEG F
12.	A0062	IN-CORE TEMP E02	446.994 DEG F
13.	A0086	IN-CORE TEMP G02	447.181 DEG F
14.	A0116	IN-CORE TEMP J02	447.775 DEG F
15.	A0075	IN-CORE TEMP N04	446.989 DEG F
16.	A0093	IN-CORE TEMP N12	447.029 DEG F
17.	A0039	IN-CORE TEMP J14	447.198 DEG F
18.	A0110	IN-CORE TEMP G14	446.220 DEG F
19.	A0080	IN-CORE TEMP E14	447.009 DEG F
20.	A0056	IN-CORE TEMP C12	446.988 DEG F

Minutes

Time	EMF60
19:00	3.10E+01
19:05	3.10E+01
19:10	3.10E+01
19:15	3.10E+01
19:20	3.10E+01
19:25	3.10E+01
19:30	3.10E+01
19:35	3.10E+01
19:40	3.10E+01
19:45	3.10E+01
19:50	3.10E+01
19:55	3.10E+01
20:00	3.10E+01
20:05	3.10E+01
20:10	3.10E+01
20:15	3.10E+01
20:20	3.10E+01
20:25	3.10E+01
20:30	3.10E+01
20:35	3.10E+01
20:40	3.10E+01
20:45	3.20E+01
20:50	3.22E+01
20:55	3.30E+01
21:00	3.35E+01
21:05	3.40E+01
21:10	3.41E+01
21:15	3.41E+01
21:20	3.42E+01
21:25	3.42E+01
21:30	3.42E+01
21:35	3.43E+01
21:40	3.43E+01
21:45	3.43E+01
21:50	3.44E+01
21:55	3.44E+01
22:00	3.44E+01
22:05	3.44E+01
22:10	3.44E+01
22:15	3.44E+01
22:20	3.44E+01
22:25	3.44E+01
22:30	3.44E+01
22:35	3.44E+01
22:40	3.44E+01
22:45	3.44E+01
22:50	3.44E+01
22:55	3.44E+01
23:00	3.44E+01
23:05	3.44E+01
23:10	3.44E+01
23:15	3.44E+01
23:20	3.44E+01
23:25	3.44E+01
23:30	3.44E+01
23:35	3.44E+01
23:40	3.44E+01
23:45	3.44E+01
23:50	3.44E+01
23:55	3.44E+01
0:00	3.44E+01

31.0 cpm?

34.4

Display Group 135

A0720	2.20E-01 MR/HR	EMF1 AUX BUILDING CORRIDOR EL 522
A0726	2.00E+00 MR/HR	EMF2 SAMPLE ROOM - UNIT 1
A0732	2.50E-01 MR/HR	EMF3 CHARGING PUMP AREA
A0738	1.00E-01 MR/HR	EMF5 LIQUID WASTE CONTROL AREA
A1344	1.80E-01 MR/HR	EMF6 WASTE GAS AND SPENT RESIN AREA
A1350	3.27E+00 MR/HR	EMF7 AUX BUILDING CORRIDOR EL 560
A1356	1.00E-01 MR/HR	EMF9 AUX BUILDING FILTER HATCH AREA
A0067	3.70E-01 MR/HR	EMF11 INCORE INSTRUMENT ROOM - UNIT 1
A0064	1.00E-01 MR/HR	EMF12 CONTROL ROOM MONITOR
A1362	1.00E-01 MR/HR	EMF13 HOT MACHINE SHOP
A0072	1.00E+00 MR/HR	EMF14 HOT CHEMISTRY LAB ELEVATION 609
A0090	1.50E-01 MR/HR	EMF15 SPENT FUEL BLDG - REFUELING BRIDGE
A1368	1.80E+00 MR/HR	EMF16 WASTE SHIPPING AREA
A0078	5.89E+00 MR/HR	EMF17 REFUELING BRIDGE / REACTOR BUILDING
A1374	7.72E-01 R/HR	EMF18 REACTOR COOLANT FILTER A
A1380	9.96E-02 R/HR	EMF19 REACTOR COOLANT FILTER B
A1386	9.00E-02 MR/HR	EMF20 NEW FUEL STORAGE A
A1392	1.00E-01 MR/HR	EMF21 NEW FUEL STORAGE B
A1398	1.00E-01 MR/HR	EMF22 REACTOR BLDG FILTER ROOM - UNIT 1
P1822	1.68E+01 CPM	EMF37 DELTA COUNTS LAST 15 MINUTES

Display Group 136

A0912	1.00E-01 MR/HR	EMF24 TSC MONITOR
A1006	9.96E-03 R/HR	EMF26 STEAMLINE A RAD MONITOR
A1014	9.96E-03 R/HR	EMF27 STEAMLINE B RAD MONITOR
A1020	9.96E-03 R/HR	EMF27 STEAMLINE C RAD MONITOR
A1026	9.96E-03 R/HR	EMF29 STEAMLINE D RAD MONITOR
A1404	2.40E+02 CPM	EMF31 TURBINE BUILDING SUMP
A1410	8.50E+01 CPM	EMF33 COND AIR EJECTOR EXHAUSE
A1416X	1.30E+06 CPM	EMF34L STEAM GEN WATER SAMPLE
A0930	9.89E+03 CPM	EMF34H STEAM GENERATOR WATER SAMPLE HIGH
A0012	1.02E+02 CPM	EMF35L UNIT VENT PARTICULATE
A0018	2.10E+01 CPM	EMF35H UNIT VENT PARTICULATE
A0013	9.00E+01 CPM	EMF36L UNIT VENT GAS MONITOR
A0019	1.49E+01 CPM	EMF36H UNIT VENT GAS MONITOR
A0048	1.68E+01 CPM	EMF37 UNIT VENT IODINE MONITOR
A0024	1.03E+03 CPM	EMF38L CONTAINMENT AIR PARTICULATE
A0030	1.04E+01 CPM	EMF38H CONTAINMENT AIR PARTICULATE
A0025	1.80E+02 CPM	EMF39L CONTAINMENT GAS MONITOR
A0031	1.74E+01 CPM	EMF39H CONTAINMENT GAS MONITOR
A0054	1.11E+02 CPM	EMF40 CONTAINMENT IODINE MONITOR

TIME

18:45

Display Group 137

A0060	4.01E+01 CPM	EMF41 AUXILIARY BUILDING VENTILATION
A0066	3.00E+01 CPM	EMF42 FUEL BUILDING VENTILATION MONITOR
A0049	2.30E+01 CPM	EMF43A CONTROL ROOM AIR INTAKE LOCATION A
A0055	2.50E+01 CPM	EMF43B CONTROL ROOM AIR INTAKE LOCATION B
A1422	3.85E+03 CPM	EMF44L CONT VENT DRAIN TANK OUTLED LOW
A1464	1.50E+01 CPM	EMF44H CONT VENT DRAIN TANK OUTLED HIGH
A1428	1.35E+02 CPM	EMF45A (L) NUCLEAR SERVICE WATER TRN A LOW
A1470	1.00E+01 CPM	EMF45A (H) NUCLEAR SERVICE WATER TRN A HIGH
A1434	1.00E+02 CPM	EMF45B (L) NUCLEAR SERVICE WATER TRN B LOW
A1478	1.00E+01 CPM	EMF45B (H) NUCLEAR SERVICE WATER TRN B HIGH
A1440	2.35E+03 CPM	EMF46A COMPONENT COOLING WATER TRN A
A1446	1.60E+04 CPM	EMF46B COMPONENT COOLING WATER TRN B
A1452	1.12E+04 CPM	EMF47 BORON RECYCLE EVAPORATOR CONDENSER
A0061	1.84E+05 CPM	EMF48 REACTOR COOLANT MONITOR
A0036	1.34E+04 CPM	EMF49L WASTE LIQUID DISCHARGE
A0042	1.50E+01 CPM	EMF49H WASTE LIQUID DISCHARGE
A0037	2.08E+02 CPM	EMF50L WASTE GAS DISCHARGE MONITOR
A0043	1.00E+01 CPM	EMF50H WASTE GAS DISCHARGE MONITOR
A1458	3.50E+02 CPM	EMF52 CLEAN AREA FLOOR DRAIN DISCHARGE
A1308	6.20E+00 R/HR	EMF53A CONT HIGH RANGE MON TRN A

TIME

18:45

Display Group 138

A1314	6.19E+00 R/HR	EMF53B CONT HIGH RANGE MON TRN B
A1315	2.76E+00 R/HR	EMF54 UNIT VENT EXTENDED RANGE MONIROT
A0918	7.30E+01 CPM	EMF55A TSC AIR INTAKE MONITOR
A0924	3.10E+01 CPM	EMF55B TSC AIR INTAKE MONITOR

TIME

Display Group 135

A0720	2.20E-01 MR/HR	EMF1 AUX BUILDING CORRIDOR EL 522
A0726	2.00E+00 MR/HR	EMF2 SAMPLE ROOM - UNIT 1
A0732	2.50E-01 MR/HR	EMF3 CHARGING PUMP AREA
A0738	1.00E-01 MR/HR	EMF5 LIQUID WASTE CONTROL AREA
A1344	1.80E-01 MR/HR	EMF6 WASTE GAS AND SPENT RESIN AREA
A1350	3.27E+00 MR/HR	EMF7 AUX BUILDING CORRIDOR EL 560
A1356	1.00E-01 MR/HR	EMF9 AUX BUILDING FILTER HATCH AREA
A0067	3.70E-01 MR/HR	EMF11 INCORE INSTRUMENT ROOM - UNIT 1
A0084	1.00E-01 MR/HR	EMF12 CONTROL ROOM MONITOR
A1362	1.00E-01 MR/HR	EMF13 HOT MACHINE SHOP
A0072	1.00E+00 MR/HR	EMF14 HOT CHEMISTRY LAB ELEVATION 609
A0090	1.50E-01 MR/HR	EMF15 SPENT FUEL BLDG - REFUELING BRIDGE
A1368	1.80E+00 MR/HR	EMF16 WASTE SHIPPING AREA
A0078	6.00E+00 MR/HR	EMF17 REFUELING BRIDGE / REACTOR BUILDING
A1374	7.72E-01 R/HR	EMF18 REACTOR COOLANT FILTER A
A1380	9.96E-02 R/HR	EMF19 REACTOR COOLANT FILTER B
A1386	9.00E-02 MR/HR	EMF20 NEW FUEL STORAGE A
A1392	1.00E-01 MR/HR	EMF21 NEW FUEL STORAGE B
A1398	1.00E-01 MR/HR	EMF22 REACTOR BLDG FILTER ROOM - UNIT 1
P1822	1.68E+01 CPM	EMF37 DELTA COUNTS LAST 15 MINUTES

TIME

19:00

Display Group 136

A0912	1.00E-01 MR/HR	EMF24 TSC MONITOR
A1006	9.96E-03 R/HR	EMF26 STEAMLINE A RAD MONITOR
A1014	9.96E-03 R/HR	EMF27 STEAMLINE B RAD MONITOR
A1020	9.96E-03 R/HR	EMF27 STEAMLINE C RAD MONITOR
A1026	9.96E-03 R/HR	EMF29 STEAMLINE D RAD MONITOR
A1404	2.40E+02 CPM	EMF31 TURBINE BUILDING SUMP
A1410	6.50E+01 CPM	EMF33 COND AIR EJECTOR EXHAUSE
A1416X	1.30E+06 CPM	EMF34L STEAM GEN WATER SAMPLE
A0930	9.89E+03 CPM	EMF34H STEAM GENERATOR WATER SAMPLE HIGH
A0012	1.02E+02 CPM	EMF35L UNIT VENT PARTICULATE
A0018	2.10E+01 CPM	EMF35H UNIT VENT PARTICULATE
A0013	9.00E+01 CPM	EMF36L UNIT VENT GAS MONITOR
A0019	1.47E+01 CPM	EMF36H UNIT VENT GAS MONITOR
A0048	1.68E+01 CPM	EMF37 UNIT VENT IODINE MONITOR
A0024	1.03E+03 CPM	EMF38L CONTAINMENT AIR PARTICULATE
A0030	1.10E+01 CPM	EMF38H CONTAINMENT AIR PARTICULATE
A0025	1.80E+02 CPM	EMF39L CONTAINMENT GAS MONITOR
A0031	1.74E+01 CPM	EMF39H CONTAINMENT GAS MONITOR
A0054	1.11E+02 CPM	EMF40 CONTAINMENT IODINE MONITOR

TIME

19:00

Display Group 137

A0060	4.01E+01 CPM	EMF41 AUXILIARY BUILDING VENTILATION
A0066	3.00E+01 CPM	EMF42 FUEL BUILDING VENTILATION MONITOR
A0049	2.30E+01 CPM	EMF43A CONTROL ROOM AIR INTAKE LOCATION A
A0055	2.50E+01 CPM	EMF43B CONTROL ROOM AIR INTAKE LOCATION B
A1422	4.50E+03 CPM	EMF44L CONT VENT DRAIN TANK OUTLED LOW
A1464	1.50E+01 CPM	EMF44H CONT VENT DRAIN TANK OUTLED HIGH
A1428	1.35E+02 CPM	EMF45A (L) NUCLEAR SERVICE WATER TRN A LOW
A1470	1.00E+01 CPM	EMF45A (H) NUCLEAR SERVICE WATER TRN A HIGH
A1434	1.00E+02 CPM	EMF45B (L) NUCLEAR SERVICE WATER TRN B LOW
A1476	1.00E+01 CPM	EMF45B (H) NUCLEAR SERVICE WATER TRN B HIGH
A1440	2.35E+03 CPM	EMF46A COMPONENT COOLING WATER TRN A
A1446	1.80E+04 CPM	EMF46B COMPONENT COOLING WATER TRN B
A1452	1.12E+04 CPM	EMF47 BORON RECYCLE EVAPORATOR CONDENSER
A0061	1.84E+05 CPM	EMF48 REACTOR COOLANT MONITOR
A0036	1.34E+04 CPM	EMF49L WASTE LIQUID DISCHARGE
A0042	1.50E+01 CPM	EMF49H WASTE LIQUID DISCHARGE
A0037	2.08E+02 CPM	EMF50L WASTE GAS DISCHARGE MONITOR
A0043	1.00E+01 CPM	EMF50H WASTE GAS DISCHARGE MONITOR
A1456	3.50E+02 CPM	EMF52 CLEAN AREA FLOOR DRAIN DISCHARGE
A1306	6.20E+00 R/HR	EMF53A CONT HIGH RANGE MON TRN A

TIME

19:00

Display Group 138

A1314	6.19E+00 R/HR	EMF53B CONT HIGH RANGE MON TRN B
A1315	2.76E+00 R/HR	EMF54 UNIT VENT EXTENDED RANGE MONIROT
A0918	7.30E+01 CPM	EMF55A TSC AIR INTAKE MONITOR
A0924	3.10E+01 CPM	EMF55B TSC AIR INTAKE MONITOR

Display Group 135

A0720	2.20E-01 MR/HR	EMF1 AUX BUILDING CORRIDOR EL 522
A0726	2.00E+00 MR/HR	EMF2 SAMPLE ROOM - UNIT 1
A0732	2.50E-01 MR/HR	EMF3 CHARGING PUMP AREA
A0738	1.00E-01 MR/HR	EMF5 LIQUID WASTE CONTROL AREA
A1344	1.80E-01 MR/HR	EMF6 WASTE GAS AND SPENT RESIN AREA
A1350	3.27E+00 MR/HR	EMF7 AUX BUILDING CORRIDOR EL 560
A1356	1.00E-01 MR/HR	EMF9 AUX BUILDING FILTER HATCH AREA
A0067	3.70E-01 MR/HR	EMF11 INCORE INSTRUMENT ROOM - UNIT 1
A0084	1.00E-01 MR/HR	EMF12 CONTROL ROOM MONITOR
A1362	1.00E-01 MR/HR	EMF13 HOT MACHINE SHOP
A0072	1.00E+00 MR/HR	EMF14 HOT CHEMISTRY LAB ELEVATION 609
A0090	1.50E-01 MR/HR	EMF15 SPENT FUEL BLDG - REFUELING BRIDGE
A1368	1.80E+00 MR/HR	EMF16 WASTE SHIPPING AREA
A0078	5.90E+00 MR/HR	EMF17 REFUELING BRIDGE / REACTOR BUILDING
A1374	7.72E-01 R/HR	EMF18 REACTOR COOLANT FILTER A
A1380	9.96E-02 R/HR	EMF19 REACTOR COOLANT FILTER B
A1386	9.00E-02 MR/HR	EMF20 NEW FUEL STORAGE A
A1392	1.00E-01 MR/HR	EMF21 NEW FUEL STORAGE B
A1398	1.00E-01 MR/HR	EMF22 REACTOR BLDG FILTER ROOM - UNIT 1
P1822	1.68E+01 CPM	EMF37 DELTA COUNTS LAST 15 MINUTES

Display Group 136

A0912	1.00E-01 MR/HR	EMF24 TSC MONITOR
A1008	9.96E-03 R/HR	EMF26 STEAMLINE A RAD MONITOR
A1014	9.96E-03 R/HR	EMF27 STEAMLINE B RAD MONITOR
A1020	9.96E-03 R/HR	EMF27 STEAMLINE C RAD MONITOR
A1026	9.96E-03 R/HR	EMF29 STEAMLINE D RAD MONITOR
A1404	2.40E+02 CPM	EMF31 TURBINE BUILDING SUMP
A1410	6.50E+01 CPM	EMF33 COND AIR EJECTOR EXHAUSE
A1416X	1.30E+06 CPM	EMF34L STEAM GEN WATER SAMPLE
A0930	9.69E+03 CPM	EMF34H STEAM GENERATOR WATER SAMPLE HIGH
A0012	1.02E+02 CPM	EMF35L UNIT VENT PARTICULATE
A0018	2.10E+01 CPM	EMF35H UNIT VENT PARTICULATE
A0013	9.00E+01 CPM	EMF36L UNIT VENT GAS MONITOR
A0019	1.49E+01 CPM	EMF36H UNIT VENT GAS MONITOR
A0048	1.68E+01 CPM	EMF37 UNIT VENT IODINE MONITOR
A0024	1.03E+03 CPM	EMF38L CONTAINMENT AIR PARTICULATE
A0030	1.10E+01 CPM	EMF38H CONTAINMENT AIR PARTICULATE
A0025	1.80E+02 CPM	EMF39L CONTAINMENT GAS MONITOR
A0031	1.74E+01 CPM	EMF39H CONTAINMENT GAS MONITOR
A0054	1.11E+02 CPM	EMF40 CONTAINMENT IODINE MONITOR

TIME

19:15

Display Group 137

A0060	4.01E+01 CPM	EMF41 AUXILIARY BUILDING VENTILATION
A0066	3.00E+01 CFM	EMF42 FUEL BUILDING VENTILATION MONITOR
A0049	2.30E+01 CPM	EMF43A CONTROL ROOM AIR INTAKE LOCATION A
A0055	2.50E+01 CPM	EMF43B CONTROL ROOM AIR INTAKE LOCATION B
A1422	4.50E+03 CPM	EMF44L CONT VENT DRAIN TANK OUTLED LOW
A1464	1.50E+01 CPM	EMF44H CONT VENT DRAIN TANK OUTLED HIGH
A1428	1.35E+02 CPM	EMF45A (L) NUCLEAR SERVICE WATER TRN A LOW
A1470	1.00E+01 CFM	EMF45A (H) NUCLEAR SERVICE WATER TRN A HIGH
A1434	1.00E+02 CPM	EMF45B (L) NUCLEAR SERVICE WATER TRN B LOW
A1476	1.00E+01 CPM	EMF45B (H) NUCLEAR SERVICE WATER TRN B HIGH
A1440	2.35E+03 CPM	EMF46A COMPONENT COOLING WATER TRN A
A1446	1.60E+04 CPM	EMF46B COMPONENT COOLING WATER TRN B
A1452	1.12E+04 CPM	EMF47 BORON RECYCLE EVAPORATOR CONDENSER
A0061	1.84E+05 CPM	EMF48 REACTOR COOLANT MONITOR
A0036	1.34E+04 CPM	EMF49L WASTE LIQUID DISCHARGE
A0042	1.50E+01 CPM	EMF49H WASTE LIQUID DISCHARGE
A0037	2.08E+02 CPM	EMF50L WASTE GAS DISCHARGE MONITOR
A0043	1.00E+01 CPM	EMF50H WASTE GAS DISCHARGE MONITOR
A1456	3.50E+02 CPM	EMF52 CLEAN AREA FLOOR DRAIN DISCHARGE
A1306	6.20E+00 R/HR	EMF53A CONT HIGH RANGE MON TRN A

TIME

19:15

Display Group 138

A1314	8.19E+00 R/HR	EMF53B CONT HIGH RANGE MON TRN B
A1315	2.76E+00 R/HR	EMF54 UNIT VENT EXTENDED RANGE MONIROT
A0918	7.30E+01 CPM	EMF55A TSC AIR INTAKE MONITOR
A0924	3.10E+01 CPM	EMF55B TSC AIR INTAKE MONITOR

Display Group 135

A0720	2.20E-01 MR/HR	EMF1 AUX BUILDING CORRIDOR EL 522
A0726	2.00E+00 MR/HR	EMF2 SAMPLE ROOM - UNIT 1
A0732	2.50E-01 MR/HR	EMF3 CHARGING PUMP AREA
A0738	1.00E-01 MR/HR	EMF5 LIQUID WASTE CONTROL AREA
A1344	1.80E-01 MR/HR	EMF6 WASTE GAS AND SPENT RESIN AREA
A1350	3.27E+00 MR/HR	EMF7 AUX BUILDING CORRIDOR EL 560
A1356	1.00E-01 MR/HR	EMF9 AUX BUILDING FILTER HATCH AREA
A0067	3.70E-01 MR/HR	EMF11 INCORE INSTRUMENT ROOM - UNIT 1
A0084	1.00E-01 MR/HR	EMF12 CONTROL ROOM MONITOR
A1362	1.00E-01 MR/HR	EMF13 HOT MACHINE SHOP
A0072	1.00E+00 MR/HR	EMF14 HOT CHEMISTRY LAB ELEVATION 609
A0090	1.50E-01 MR/HR	EMF15 SPENT FUEL BLDG - REFUELING BRIDGE
A1368	1.80E+00 MR/HR	EMF16 WASTE SHIPPING AREA
A0078	5.89E+00 MR/HR	EMF17 REFUELING BRIDGE / REACTOR BUILDING
A1374	1.03E+00 R/HR	EMF18 REACTOR COOLANT FILTER A
A1380	1.13E-01 R/HR	EMF19 REACTOR COOLANT FILTER B
A1386	9.09E-02 MR/HR	EMF20 NEW FUEL STORAGE A
A1392	1.01E-01 MR/HR	EMF21 NEW FUEL STORAGE B
A1398	1.01E-01 MR/HR	EMF22 REACTOR BLDG FILTER ROOM - UNIT 1
P1022	1.68E+01 CPM	EMF37 DELTA COUNTS LAST 15 MINUTES

Display Group 136

A0912	1.00E-01 MR/HR	EMF24 TSC MONITOR
A1006	9.96E-03 R/HR	EMF26 STEAMLINE A RAD MONITOR
A1014	9.96E-03 R/HR	EMF27 STEAMLINE B RAD MONITOR
A1020	9.96E-03 R/HR	EMF27 STEAMLINE C RAD MONITOR
A1026	9.96E-03 R/HR	EMF29 STEAMLINE D RAD MONITOR
A1404	2.40E+02 CPM	EMF31 TURBINE BUILDING SUMP
A1410	6.50E+01 CPM	EMF33 COND AIR EJECTOR EXHAUSE
A1416X	1.30E+06 CPM	EMF34L STEAM GEN WATER SAMPLE
A0930	9.69E+03 CPM	EMF34H STEAM GENERATOR WATER SAMPLE HIGH
A0012	1.02E+02 CPM	EMF35L UNIT VENT PARTICULATE
A0018	2.10E+01 CPM	EMF35H UNIT VENT PARTICULATE
A0013	9.10E+01 CPM	EMF36L UNIT VENT GAS MONITOR
A0019	1.50E+01 CPM	EMF36H UNIT VENT GAS MONITOR
A0048	1.68E+01 CPM	EMF37 UNIT VENT IODINE MONITOR
A0024	1.03E+03 CPM	EMF38L CONTAINMENT AIR PARTICULATE
A0030	1.04E+01 CPM	EMF38H CONTAINMENT AIR PARTICULATE
A0025	1.80E+02 CPM	EMF39L CONTAINMENT GAS MONITOR
A0031	1.74E+01 CPM	EMF39H CONTAINMENT GAS MONITOR
A0054	1.11E+02 CPM	EMF40 CONTAINMENT IODINE MONITOR

TIME

19:30

Display Group 137

A0060	4.01E+01 CPM	EMF41 AUXILIARY BUILDING VENTILATION
A0066	3.00E+01 CPM	EMF42 FUEL BUILDING VENTILATION MONITOR
A0049	2.30E+01 CPM	EMF43A CONTROL ROOM AIR INTAKE LOCATION A
A0055	2.50E+01 CPM	EMF43B CONTROL ROOM AIR INTAKE LOCATION B
A1422	4.50E+03 CPM	EMF44L CONT VENT DRAIN TANK OUTLED LOW
A1464	1.50E+01 CPM	EMF44H CONT VENT DRAIN TANK OUTLED HIGH
A1426	1.35E+02 CPM	EMF45A (L) NUCLEAR SERVICE WATER TRN A LOW
A1470	1.00E+01 CPM	EMF45A (H) NUCLEAR SERVICE WATER TRN A HIGH
A1434	1.00E+02 CPM	EMF45B (L) NUCLEAR SERVICE WATER TRN B LOW
A1476	1.00E+01 CPM	EMF45B (H) NUCLEAR SERVICE WATER TRN B HIGH
A1440	2.35E+03 CPM	EMF46A COMPONENT COOLING WATER TRN A
A1446	1.60E+04 CPM	EMF46B COMPONENT COOLING WATER TRN B
A1452	1.12E+04 CPM	EMF47 BORON RECYCLE EVAPORATOR CONDENSER
A0061	1.84E+05 CPM	EMF48 REACTOR COOLANT MONITOR
A0036	1.34E+04 CPM	EMF49L WASTE LIQUID DISCHARGE
A0042	1.50E+01 CPM	EMF49H WASTE LIQUID DISCHARGE
A0037	2.08E+02 CPM	EMF50L WASTE GAS DISCHARGE MONITOR
A0043	1.00E+01 CPM	EMF50H WASTE GAS DISCHARGE MONITOR
A1458	3.50E+02 CPM	EMF52 CLEAN AREA FLOOR DRAIN DISCHARGE
A1306	6.20E+00 R/HR	EMF53A CONT HIGH RANGE MON TRN A

TIME

19:30

Display Group 138

A1314	6.19E+00 R/HR	EMF53B CONT HIGH RANGE MON TRN B
A1315	2.76E+00 R/HR	EMF54 UNIT VENT EXTENDED RANGE MONIROT
A0918	7.30E+01 CPM	EMF55A TSC AIR INTAKE MONITOR
A0924	3.10E+01 CPM	EMF55B TSC AIR INTAKE MONITOR

Display Group 135

A0720	2.20E-01 MR/HR	EMF1 AUX BUILDING CORRIDOR EL 522
A0726	2.00E+00 MR/HR	EMF2 SAMPLE ROOM - UNIT 1
A0732	2.50E-01 MR/HR	EMF3 CHARGING PUMP AREA
A0738	1.00E-01 MR/HR	EMF5 LIQUID WASTE CONTROL AREA
A1344	1.80E-01 MR/HR	EMF6 WASTE GAS AND SPENT RESIN AREA
A1350	3.27E+00 MR/HR	EMF7 AUX BUILDING CORRIDOR EL 560
A1356	1.00E-01 MR/HR	EMF9 AUX BUILDING FILTER HATCH AREA
A0067	3.70E-01 MR/HR	EMF11 INCORE INSTRUMENT ROOM - UNIT 1
A0084	1.00E-01 MR/HR	EMF12 CONTROL ROOM MONITOR
A1362	1.00E-01 MR/HR	EMF13 HOT MACHINE SHOP
A0072	1.00E+00 MR/HR	EMF14 HOT CHEMISTRY LAB ELEVATION 809
A0090	1.50E-01 MR/HR	EMF15 SPENT FUEL BLDG - REFUELING BRIDGE
A1368	1.80E+00 MR/HR	EMF16 WASTE SHIPPING AREA
A0078	5.99E+00 MR/HR	EMF17 REFUELING BRIDGE / REACTOR BUILDING
A1374	1.37E+00 R/HR	EMF18 REACTOR COOLANT FILTER A
A1380	1.28E-01 R/HR	EMF19 REACTOR COOLANT FILTER B
A1386	9.18E-02 MR/HR	EMF20 NEW FUEL STORAGE A
A1392	1.02E-01 MR/HR	EMF21 NEW FUEL STORAGE B
A1398	1.02E-01 MR/HR	EMF22 REACTOR BLDG FILTER ROOM - UNIT 1
P1822	1.88E+01 CPM	EMF37 DELTA COUNTS LAST 15 MINUTES

Display Group 136

A0912	1.00E-01 MR/HR	EMF24 TSC MONITOR
A1008	9.9E-03 R/HR	EMF26 STEAMLINE A RAD MONITOR
A1014	9.96E-03 R/HR	EMF27 STEAMLINE B RAD MONITOR
A1020	9.96E-03 R/HR	EMF27 STEAMLINE C RAD MONITOR
A1026	9.96E-03 R/HR	EMF29 STEAMLINE D RAD MONITOR
A1404	2.40E+02 CPM	EMF31 TURBINE BUILDING SUMP
A1410	6.50E+01 CPM	EMF33 COND AIR EJECTOR EXHAUSE
A1416X	1.30E+06 CPM	EMF34L STEAM GEN WATER SAMPLE
A0930	9.89E+03 CPM	EMF34H STEAM GENERATOR WATER SAMPLE HIGH
A0012	1.02E+02 CPM	EMF35L UNIT VENT PARTICULATE
A0018	2.10E+01 CPM	EMF35H UNIT VENT PARTICULATE
A0013	9.00E+01 CPM	EMF36L UNIT VENT GAS MONITOR
A0019	1.50E+01 CPM	EMF36H UNIT VENT GAS MONITOR
A0048	1.88E+01 CPM	EMF37 UNIT VENT IODINE MONITOR
A0024	1.03E+03 CPM	EMF38L CONTAINMENT AIR PARTICULATE
A0030	1.04E+01 CPM	EMF38H CONTAINMENT AIR PARTICULATE
A0025	1.80E+02 CPM	EMF39L CONTAINMENT GAS MONITOR
A0031	1.74E+01 CPM	EMF39H CONTAINMENT GAS MONITOR
A0054	1.11E+02 CPM	EMF40 CONTAINMENT IODINE MONITOR

TIME

19:45

Display Group 137

A0060	4.01E+01 CPM	EMF41 AUXILIARY BUILDING VENTILATION
A0088	3.00E+01 CPM	EMF42 FUEL BUILDING VENTILATION MONITOR
A0049	2.32E+01 CPM	EMF43A CONTROL ROOM AIR INTAKE LOCATION A
A0055	2.53E+01 CPM	EMF43B CONTROL ROOM AIR INTAKE LOCATION B
A1422	4.50E+03 CPM	EMF44L CONT VENT DRAIN TANK OUTLED LOW
A1464	1.50E+01 CPM	EMF44H CONT VENT DRAIN TANK OUTLED HIGH
A1428	1.35E+02 CPM	EMF45A (L) NUCLEAR SERVICE WATER TRN A LOW
A1470	1.00E+01 CPM	EMF45A (H) NUCLEAR SERVICE WATER TRN A HIGH
A1434	1.00E+02 CPM	EMF45B (L) NUCLEAR SERVICE WATER TRN B LOW
A1478	1.00E+01 CPM	EMF45B (H) NUCLEAR SERVICE WATER TRN B HIGH
A1440	2.35E+03 CPM	EMF48A COMPONENT COOLING WATER TRN A
A1448	1.80E+04 CPM	EMF48B COMPONENT COOLING WATER TRN B
A1452	1.12E+04 CPM	EMF47 BORON RECYCLE EVAPORATOR CONDENSER
A0061	2.00E+05 CPM	EMF48 REACTOR COOLANT MONITOR
A0036	1.34E+04 CPM	EMF49L WASTE LIQUID DISCHARGE
A0042	1.50E+01 CPM	EMF49H WASTE LIQUID DISCHARGE
A0037	2.08E+02 CPM	EMF50L WASTE GAS DISCHARGE MONITOR
A0043	1.00E+01 CPM	EMF50H WASTE GAS DISCHARGE MONITOR
A1458	3.50E+02 CPM	EMF52 CLEAN AREA FLOOR DRAIN DISCHARGE
A1308	3.50E+00 R/HR	EMF53A CONT HIGH RANGE MON TRN A

TIME

19:45

Display Group 138

A1314	3.40E+00 R/HR	EMF53B CONT HIGH RANGE MON TRN B
A1315	2.76E+00 R/HR	EMF54 UNIT VENT EXTENDED RANGE MONIROT
A0918	7.30E+01 CPM	EMF55A TSC AIR INTAKE MONITOR
A0924	3.10E+01 CPM	EMF55B TSC AIR INTAKE MONITOR

TIME

Display Group 135

A0720	2.20E-01 MR/HR	EMF1 AUX BUILDING CORRIDOR EL 522
A0726	2.00E+00 MR/HR	EMF2 SAMPLE ROOM - UNIT 1
A0732	2.50E-01 MR/HR	EMF3 CHARGING PUMP AREA
A0738	1.00E-01 MR/HR	EMF5 LIQUID WASTE CONTROL AREA
A1344	1.80E-01 MR/HR	EMF6 WASTE GAS AND SPENT RESIN AREA
A1350	3.27E+00 MR/HR	EMF7 AUX BUILDING CORRIDOR EL 560
A1356	1.00E-01 MR/HR	EMF9 AUX BUILDING FILTER HATCH AREA
A0067	3.70E-01 MR/HR	EMF11 INCORE INSTRUMENT ROOM - UNIT 1
A0084	1.00E-01 MR/HR	EMF12 CONTROL ROOM MONITOR
A1362	1.00E-01 MR/HR	EMF13 HOT MACHINE SHOP
A0072	1.00E+00 MR/HR	EMF14 HOT CHEMISTRY LAB ELEVATION 609
A0090	1.50E-01 MR/HR	EMF15 SPENT FUEL BLDG - REFUELING BRIDGE
A1368	1.80E+00 MR/HR	EMF16 WASTE SHIPPING AREA
A0078	6.00E+00 MR/HR	EMF17 REFUELING BRIDGE / REACTOR BUILDING
A1374	1.82E+00 R/HR	EMF18 REACTOR COOLANT FILTER A
A1380	1.45E-01 R/HR	EMF19 REACTOR COOLANT FILTER B
A1386	9.27E-02 MR/HR	EMF20 NEW FUEL STORAGE A
A1392	1.03E-01 MR/HR	EMF21 NEW FUEL STORAGE B
A1398	1.03E-01 MR/HR	EMF22 REACTOR BLDG FILTER ROOM - UNIT 1
P1822	1.68E+01 CPM	EMF37 DELTA COUNTS LAST 15 MINUTES

TIME

20:00

Display Group 136

A0912	1.00E-01 MR/HR	EMF24 TSC MONITOR
A1008	9.96E-03 R/HR	EMF26 STEAMLINE A RAD MONITOR
A1014	9.98E-03 R/HR	EMF27 STEAMLINE B RAD MONITOR
A1020	9.96E-03 R/HR	EMF27 STEAMLINE C RAD MONITOR
A1026	9.96E-03 R/HR	EMF29 STEAMLINE D RAD MONITOR
A1404	2.40E+02 CPM	EMF31 TURBINE BUILDING SUMP
A1410	6.50E+01 CPM	EMF33 COND AIR EJECTOR EXHAUSE
A1418X	1.30E+06 CPM	EMF34L STEAM GEN WATER SAMPLE
A0930	9.69E+03 CPM	EMF34H STEAM GENERATOR WATER SAMPLE HIGH
A0012	1.02E+02 CPM	EMF35L UNIT VENT PARTICULATE
A0018	2.10E+01 CPM	EMF35H UNIT VENT PARTICULATE
A0013	8.90E+01 CPM	EMF36L UNIT VENT GAS MONITOR
A0019	1.50E+01 CPM	EMF36H UNIT VENT GAS MONITOR
A0048	1.68E+01 CPM	EMF37 UNIT VENT IODINE MONITOR
A0024	1.03E+03 CPM	EMF38L CONTAINMENT AIR PARTICULATE
A0030	1.04E+01 CPM	EMF38H CONTAINMENT AIR PARTICULATE
A0025	1.80E+02 CPM	EMF39L CONTAINMENT GAS MONITOR
A0031	1.74E+01 CPM	EMF39H CONTAINMENT GAS MONITOR
A0054	1.11E+02 CPM	EMF40 CONTAINMENT IODINE MONITOR

TIME

20:00

Display Group 137

A0080	4.01E+01 CPM	EMF41 AUXILIARY BUILDING VENTILATION
A0086	3.00E+01 CPM	EMF42 FUEL BUILDING VENTILATION MONITOR
A0049	2.35E+01 CPM	EMF43A CONTROL ROOM AIR INTAKE LOCATION A
A0055	2.55E+01 CPM	EMF43B CONTROL ROOM AIR INTAKE LOCATION B
A1422	4.50E+03 CPM	EMF44L CONT VENT DRAIN TANK OUTLET LOW
A1484	1.50E+01 CPM	EMF44H CONT VENT DRAIN TANK OUTLET HIGH
A1428	1.35E+02 CPM	EMF45A (L) NUCLEAR SERVICE WATER TRN A LOW
A1470	1.00E+01 CPM	EMF45A (H) NUCLEAR SERVICE WATER TRN A HIGH
A1434	1.00E+02 CPM	EMF45B (L) NUCLEAR SERVICE WATER TRN B LOW
A1478	1.00E+01 CPM	EMF45B (H) NUCLEAR SERVICE WATER TRN B HIGH
A1440	2.35E+03 CPM	EMF46A COMPONENT COOLING WATER TRN A
A1446	1.80E+04 CPM	EMF46B COMPONENT COOLING WATER TRN B
A1452	1.12E+04 CPM	EMF47 BORON RECYCLE EVAPORATOR CONDENSER
A0061	2.50E+05 CPM	EMF48 REACTOR COOLANT MONITOR
A0036	1.34E+04 CPM	EMF49L WASTE LIQUID DISCHARGE
A0042	1.50E+01 CPM	EMF49H WASTE LIQUID DISCHARGE
A0037	2.08E+02 CPM	EMF50L WASTE GAS DISCHARGE MONITOR
A0043	1.00E+01 CPM	EMF50H WASTE GAS DISCHARGE MONITOR
A1458	3.50E+02 CPM	EMF52 CLEAN AREA FLOOR DRAIN DISCHARGE
A1308	2.90E+00 R/HR	EMF53A CONT HIGH RANGE MON TRN A

TIME

20:00

Display Group 138

A1314	3.00E+00 R/HR	EMF53B CONT HIGH RANGE MON TRN B
A1315	2.76E+00 R/HR	EMF54 UNIT VENT EXTENDED RANGE MONIROT
A0918	7.30E+01 CPM	EMF55A TSC AIR INTAKE MONITOR
A0924	3.11E+01 CPM	EMF55B TSC AIR INTAKE MONITOR

Display Group 135

A0720	2.20E-01 MR/HR	EMF1 AUX BUILDING CORRIDOR EL 522
A0726	2.00E+00 MR/HR	EMF2 SAMPLE ROOM - UNIT 1
A0732	2.50E-01 MR/HR	EMF3 CHARGING PUMP AREA
A0738	1.00E-01 MR/HR	EMF5 LIQUID WASTE CONTROL AREA
A1344	1.80E-01 MR/HR	EMF6 WASTE GAS AND SPENT RESIN AREA
A1350	3.27E+00 MR/HR	EMF7 AUX BUILDING CORRIDOR EL 560
A1356	1.00E-01 MR/HR	EMF9 AUX BUILDING FILTER HATCH AREA
A0067	3.70E-01 MR/HR	EMF11 INCORE INSTRUMENT ROOM - UNIT 1
A0064	1.00E-01 MR/HR	EMF12 CONTROL ROOM MONITOR
A1362	1.00E-01 MR/HR	EMF13 HOT MACHINE SHOP
A0072	1.00E+00 MR/HR	EMF14 HOT CHEMISTRY LAB ELEVATION 609
A0090	1.50E-01 MR/HR	EMF15 SPENT FUEL BLDG - REFUELING BRIDGE
A1368	1.80E+00 MR/HR	EMF16 WASTE SHIPPING AREA
A0078	6.00E+00 MR/HR	EMF17 REFUELING BRIDGE / REACTOR BUILDING
A1374	2.41E+00 R/HR	EMF18 REACTOR COOLANT FILTER A
A1380	1.84E-01 R/HR	EMF19 REACTOR COOLANT FILTER B
A1386	9.37E-02 MR/HR	EMF20 NEW FUEL STORAGE A
A1392	1.04E-01 MR/HR	EMF21 NEW FUEL STORAGE B
A1398	1.04E-01 MR/HR	EMF22 REACTOR BLDG FILTER ROOM - UNIT 1
P1822	1.88E+C1 CPM	EMF37 DELTA COUNTS LAST 15 MINUTES

20.15

Display Group 136

A0912	1.00E-01 MR/HR	EMF24 TSC MONITOR
A1006	9.96E-03 R/HR	EMF26 STEAMLINE A RAD MONITOR
A1014	9.96E-03 R/HR	EMF27 STEAMLINE B RAD MONITOR
A1020	9.96E-03 R/HR	EMF27 STEAMLINE C RAD MONITOR
A1026	9.96E-03 R/HR	EMF29 STEAMLINE D RAD MONITOR
A1404	2.40E+02 CPM	EMF31 TURBINE BUILDING SUMP
A1410	6.50E+01 CPM	EMF33 COND AIR EJECTOR EXHAUSE
A1416X	1.30E+06 CPM	EMF34L STEAM GEN WATER SAMPLE
A0930	9.99E+03 CPM	EMF34H STEAM GENERATOR WATER SAMPLE HIGH
A0012	1.02E+02 CPM	EMF35L UNIT VENT PARTICULATE
A0018	2.10E+01 CPM	EMF35H UNIT VENT PARTICULATE
A0013	9.10E+01 CPM	EMF36L UNIT VENT GAS MONITOR
A0019	1.50E+01 CPM	EMF36H UNIT VENT GAS MONITOR
A0048	1.88E+01 CPM	EMF37 UNIT VENT IODINE MONITOR
A0024	1.03E+03 CPM	EMF38L CONTAINMENT AIR PARTICULATE
A0030	1.04E+01 CPM	EMF38H CONTAINMENT AIR PARTICULATE
A0025	1.80E+02 CPM	EMF39L CONTAINMENT GAS MONITOR
A0031	1.74E+01 CPM	EMF39H CONTAINMENT GAS MONITOR
A0054	1.11E+02 CPM	EMF40 CONTAINMENT IODINE MONITOR

TIME

20:15

Display Group 137

A0080	4.01E+01 CPM	EMF41 AUXILIARY BUILDING VENTILATION
A0086	3.00E+01 CPM	EMF42 FUEL BUILDING VENTILATION MONITOR
A0049	2.37E+01 CPM	EMF43A CONTROL ROOM AIR INTAKE LOCATION A
A0055	2.58E+01 CPM	EMF43B CONTROL ROOM AIR INTAKE LOCATION B
A1422	4.50E+03 CPM	EMF44L CONT VENT DRAIN TANK OUTLED LOW
A1464	1.50E+01 CPM	EMF44H CONT VENT DRAIN TANK OUTLED HIGH
A1428	1.35E+02 CPM	EMF45A (L) NUCLEAR SERVICE WATER TRN A LOW
A1470	1.00E+01 CPM	EMF45A (H) NUCLEAR SERVICE WATER TRN A HIGH
A1434	1.00E+02 CPM	EMF45B (L) NUCLEAR SERVICE WATER TRN B LOW
A1476	1.00E+01 CPM	EMF45B (H) NUCLEAR SERVICE WATER TRN B HIGH
A1440	2.35E+03 CPM	EMF46A COMPONENT COOLING WATER TRN A
A1446	1.80E+04 CPM	EMF46B COMPONENT COOLING WATER TRN B
A1452	1.12E+04 CPM	EMF47 BORON RECYCLE EVAPORATOR CONDENSER
A0081	3.00E+05 CPM	EMF48 REACTOR COOLANT MONITOR
A0036	1.34E+04 CPM	EMF49L WASTE LIQUID DISCHARGE
A0042	1.50E+01 CPM	EMF49H WASTE LIQUID DISCHARGE
A0037	2.08E+02 CPM	EMF50L WASTE GAS DISCHARGE MONITOR
A0043	1.00E+01 CPM	EMF50H WASTE GAS DISCHARGE MONITOR
A1458	3.50E+02 CPM	EMF52 CLEAN AREA FLOOR DRAIN DISCHARGE
A1308	2.80E+00 R/HR	EMF53A CONT HIGH RANGE MON TRN A

TIME

20:15

Display Group 138

A1314	2.90E+00 R/HR	EMF53B CONT HIGH RANGE MON TRN B
A1315	2.76E+00 R/HR	EMF54 UNIT VENT EXTENDED RANGE MONIROT
A0918	7.30E+01 CPM	EMF55A TSC AIR INTAKE MONITOR
A0924	3.12E+01 CPM	EMF55B TSC AIR INTAKE MONITOR

TIME

Display Group 135

A0720	2.20E-01 MR/HR	EMF1 AUX BUILDING CORRIDOR EL 522
A0726	2.00E+00 MR/HR	EMF2 SAMPLE ROOM - UNIT 1
A0732	2.50E-01 MR/HR	EMF3 CHARGING PUMP AREA
A0738	1.00E-01 MR/HR	EMF5 LIQUID WASTE CONTROL AREA
A1344	1.80E-01 MR/HR	EMF6 WASTE GAS AND SPENT RESIN AREA
A1350	3.27E+00 MR/HR	EMF7 AUX BUILDING CORRIDOR EL 580
A1356	1.00E-01 MR/HR	EMF9 AUX BUILDING FILTER HATCH AREA
A0087	3.70E-01 MR/HR	EMF11 INCORE INSTRUMENT ROOM - UNIT 1
A0084	1.00E-01 MR/HR	EMF12 CONTROL ROOM MONITOR
A1362	1.00E-01 MR/HR	EMF13 HOT MACHINE SHOP
A0072	1.00E+00 MR/HR	EMF14 HOT CHEMISTRY LAB ELEVATION 609
A0090	1.50E-01 MR/HR	EMF15 SPENT FUEL BLDG - REFUELING BRIDGE
A1368	1.80E+00 MR/HR	EMF16 WASTE SHIPPING AREA
A0078	6.10E+00 MR/HR	EMF17 REFUELING BRIDGE / REACTOR BUILDING
A1374	3.21E+00 R/HR	EMF18 REACTOR COOLANT FILTER A
A1380	1.86E-01 R/HR	EMF19 REACTOR COOLANT FILTER B
A1386	9.46E-02 MR/HR	EMF20 NEW FUEL STORAGE A
A1392	1.05E-01 MR/HR	EMF21 NEW FUEL STORAGE B
A1398	1.05E-01 MR/HR	EMF22 REACTOR BLDG FILTER ROOM - UNIT 1
P1822	1.68E+01 CPM	EMF37 DELTA COUNTS LAST 15 MINUTES

TIME

20:30

Display Group 136

A0912	1.00E-01 MR/HR	EMF24 TSC MONITOR
A1008	9.96E-03 R/HR	EMF26 STEAMLINE A RAD MONITOR
A1014	9.96E-03 R/HR	EMF27 STEAMLINE B RAD MONITOR
A1020	9.96E-03 R/HR	EMF27 STEAMLINE C RAD MONITOR
A1026	9.96E-03 R/HR	EMF28 STEAMLINE D RAD MONITOR
A1404	2.40E+02 CPM	EMF31 TURBINE BUILDING SUMP
A1410	6.50E+01 CPM	EMF33 COND AIR EJECTOR EXHAUSE
A1416X	1.30E+06 CPM	EMF34L STEAM GEN WATER SAMPLE
A0930	9.69E+03 CPM	EMF34H STEAM GENERATOR WATER SAMPLE HIGH
A0012	1.02E+02 CPM	EMF35L UNIT VENT PARTICULATE
A0018	2.10E+01 CPM	EMF35H UNIT VENT PARTICULATE
A0013	9.10E+01 CPM	EMF36L UNIT VENT GAS MONITOR
A0019	1.50E+01 CPM	EMF36H UNIT VENT GAS MONITOR
A0048	1.68E+01 CPM	EMF37 UNIT VENT IODINE MONITOR
A0024	1.03E+03 CPM	EMF38L CONTAINMENT AIR PARTICULATE
A0030	1.04E+01 CPM	EMF38H CONTAINMENT AIR PARTICULATE
A0025	1.80E+02 CPM	EMF39L CONTAINMENT GAS MONITOR
A0031	1.74E+01 CPM	EMF39H CONTAINMENT GAS MONITOR
A0054	1.11E+02 CPM	EMF40 CONTAINMENT IODINE MONITOR

TIME

20:30

Display Group 137

A0060	4.01E+01 CPM	EMF41 AUXILIARY BUILDING VENTILATION
A0066	3.00E+01 CPM	EMF42 FUEL BUILDING VENTILATION MONITOR
A0049	2.39E+01 CPM	EMF43A CONTROL ROOM AIR INTAKE LOCATION A
A0055	2.80E+01 CPM	EMF43B CONTROL ROOM AIR INTAKE LOCATION B
A1422	4.50E+03 CPM	EMF44L CONT VENT DRAIN TANK OUTLED LOW
A1464	1.50E+01 CPM	EMF44H CONT VENT DRAIN TANK OUTLED HIGH
A1428	1.35E+02 CPM	EMF45A (L) NUCLEAR SERVICE WATER TRN A LOW
A1470	1.00E+01 CPM	EMF45A (H) NUCLEAR SERVICE WATER TRN A HIGH
A1434	1.00E+02 CPM	EMF45B (L) NUCLEAR SERVICE WATER TRN B LOW
A1476	1.00E+01 CPM	EMF45B (H) NUCLEAR SERVICE WATER TRN B HIGH
A1440	2.35E+03 CPM	EMF46A COMPONENT COOLING WATER TRN A
A1446	1.80E+04 CPM	EMF46B COMPONENT COOLING WATER TRN B
A1452	1.12E+04 CPM	EMF47 BORON RECYCLE EVAPORATOR CONDENSER
A0061	3.20E+05 CPM	EMF48 REACTOR COOLANT MONITOR
A0036	1.34E+04 CPM	EMF49L WASTE LIQUID DISCHARGE
A0042	1.50E+01 CPM	EMF49H WASTE LIQUID DISCHARGE
A0037	2.08E+02 CPM	EMF50L WASTE GAS DISCHARGE MONITOR
A0043	1.00E+01 CPM	EMF50H WASTE GAS DISCHARGE MONITOR
A1456	3.50E+02 CPM	EMF52 CLEAN AREA FLOOR DRAIN DISCHARGE
A1306	2.70E+00 R/HR	EMF53A CONT HIGH RANGE MON TRN A

TIME

20:30

Display Group 138

A1314	2.70E+00 R/HR	EMF53B CONT HIGH RANGE MON TRN B
A1315	2.76E+00 R/HR	EMF54 UNIT VENT EXTENDED RANGE MONIROT
A0918	7.30E+01 CPM	EMF55A TSC AIR INTAKE MONITOR
A0924	3.14E+01 CPM	EMF55B TSC AIR INTAKE MONITOR

Display Group 135

A0720	2.20E-01 MR/HR	EMF1 AUX BUILDING CORRIDOR EL 522
A0726	2.00E+00 MR/HR	EMF2 SAMPLE ROOM - UNIT 1
A0732	2.50E-01 MR/HR	EMF3 CHARGING PUMP AREA
A0738	1.00E-01 MR/HR	EMF5 LIQUID WASTE CONTROL AREA
A1344	1.80E-01 MR/HR	EMF6 WASTE GAS AND SPENT RESIN AREA
A1350	3.27E+00 MR/HR	EMF7 AUX BUILDING CORRIDOR EL 560
A1356	1.00E-01 MR/HR	EMF9 AUX BUILDING FILTER HATCH AREA
A0067	3.00E+00 MR/HR	EMF11 INCORE INSTRUMENT ROOM - UNIT 1
A0084	1.00E-01 MR/HR	EMF12 CONTROL ROOM MONITOR
A1362	1.00E-01 MR/HR	EMF13 HOT MACHINE SHOP
A0072	1.00E+00 MR/HR	EMF14 HOT CHEMISTRY LAB ELEVATION 609
A0090	1.50E-01 MR/HR	EMF15 SPENT FUEL BLDG - REFUELING BRIDGE
A1368	1.80E+00 MR/HR	EMF16 WASTE SHIPPING AREA
A0078	7.00E+00 MR/HR	EMF17 REFUELING BRIDGE / REACTOR BUILDING
A1374	4.27E+00 R/HR	EMF18 REACTOR COOLANT FILTER A
A1380	2.11E-01 R/HR	EMF19 REACTOR COOLANT FILTER B
A1386	9.55E-02 MR/HR	EMF20 NEW FUEL STORAGE A
A1392	1.06E-01 MR/HR	EMF21 NEW FUEL STORAGE B
A1398	1.06E-01 MR/HR	EMF22 REACTOR BLDG FILTER ROOM - UNIT 1
P1822	1.68E+01 CPM	EMF37 DELTA COUNTS LAST 15 MINUTES

Display Group 136

A0912	1.00E-01 MR/HR	EMF24 TSC MONITOR
A1008	9.96E-03 R/HR	EMF26 STEAMLINE A RAD MONITOR
A1014	9.96E-03 R/HR	EMF27 STEAMLINE B RAD MONITOR
A1020	9.96E-03 R/HR	EMF27 STEAMLINE C RAD MONITOR
A1026	9.96E-03 R/HR	EMF29 STEAMLINE D RAD MONITOR
A1404	2.40E+02 CPM	EMF31 TURBINE BUILDING SUMP
A1410	6.50E+01 CPM	EMF33 COND AIR EJECTOR EXHAUSE
A1416X	1.30E+06 CPM	EMF34L STEAM GEN WATER SAMPLE
A0930	9.89E+03 CPM	EMF34H STEAM GENERATOR WATER SAMPLE HIGH
A0012	1.02E+02 CPM	EMF35L UNIT VENT PARTICULATE
A0018	2.10E+01 CPM	EMF35H UNIT VENT PARTICULATE
A0013	9.20E+01 CPM	EMF36L UNIT VENT GAS MONITOR
A0019	1.50E+01 CPM	EMF36H UNIT VENT GAS MONITOR
A0048	1.68E+01 CPM	EMF37 UNIT VENT IODINE MONITOR
A0024	1.50E+03 CPM	EMF38L CONTAINMENT AIR PARTICULATE
A0030	1.10E+01 CPM	EMF38H CONTAINMENT AIR PARTICULATE
A0025	1.80E+03 CPM	EMF39L CONTAINMENT GAS MONITOR
A0031	1.74E+01 CPM	EMF39H CONTAINMENT GAS MONITOR
A0054	2.00E+02 CPM	EMF40 CONTAINMENT IODINE MONITOR

TIME

20:45

Display Group 137

A0080	4.10E+01 CPM	EMF41 AUXILIARY BUILDING VENTILATION
A0086	3.00E+01 CPM	EMF42 FUEL BUILDING VENTILATION MONITOR
A0049	2.42E+01 CPM	EMF43A CONTROL ROOM AIR INTAKE LOCATION A
A0055	2.83E+01 CPM	EMF43B CONTROL ROOM AIR INTAKE LOCATION B
A1422	4.80E+03 CPM	EMF44L CONT VENT DRAIN TANK OUTLED LOW
A1464	1.50E+01 CPM	EMF44H CONT VENT DRAIN TANK OUTLED HIGH
A1428	1.35E+02 CPM	EMF45A (L) NUCLEAR SERVICE WATER TRN A LOW
A1470	1.00E+01 CPM	EMF45A (H) NUCLEAR SERVICE WATER TRN A HIGH
A1434	1.00E+02 CPM	EMF45B (L) NUCLEAR SERVICE WATER TRN B LOW
A1476	1.00E+01 CPM	EMF45B (H) NUCLEAR SERVICE WATER TRN B HIGH
A1440	2.35E+03 CPM	EMF46A COMPONENT COOLING WATER TRN A
A1446	1.80E+04 CPM	EMF46B COMPONENT COOLING WATER TRN B
A1452	1.12E+04 CPM	EMF47 BORON RECYCLE EVAPORATOR CONDENSEH
A0081	3.20E+05 CPM	EMF48 REACTOR COOLANT MONITOR
A0036	1.34E+04 CPM	EMF49L WASTE LIQUID DISCHARGE
A0042	1.50E+01 CPM	EMF49H WASTE LIQUID DISCHARGE
A0037	2.08E+02 CPM	EMF50L WASTE GAS DISCHARGE MONITOR
A0043	1.00E+01 CPM	EMF50H WASTE GAS DISCHARGE MONITOR
A1458	3.50E+02 CPM	EMF52 CLEAN AREA FLOOR DRAIN DISCHARGE
A1308	2.50E+00 R/HR	EMF53A CONT HIGH RANGE MON TRN A

TIME

20:45

Display Group 138

A1314	2.49E+00 R/HR	EMF53B CONT HIGH RANGE MON TRN B
A1315	2.76E+00 R/HR	EMF54 UNIT VENT EXTENDED RANGE MONIROT
A0918	7.30E+01 CPM	EMF55A TSC AIR INTAKE MONITOR
A0924	3.15E+01 CPM	EMF55B TSC AIR INTAKE MONITOR

TIME

Display Group 135

A0720	2.20E-01 MR/HR	EMF1 AUX BUILDING CORRIDOR EL 522
A0726	2.00E+00 MR/HR	EMF2 SAMPLE ROOM - UNIT 1
A0732	2.50E-01 MR/HR	EMF3 CHARGING PUMP AREA
A0738	1.00E-01 MR/HR	EMF5 LIQUID WASTE CONTROL AREA
A1344	1.80E-01 MR/HR	EMF6 WASTE GAS AND SPENT RESIN AREA
A1350	3.27E+00 MR/HR	EMF7 AUX BUILDING CORRIDOR EL 560
A1356	1.00E-01 MR/HR	EMF9 AUX BUILDING FILTER HATCH AREA
A0067	3.50E+00 MR/HR	EMF11 INCORE INSTRUMENT ROOM - UNIT 1
A0084	1.00E-01 MR/HR	EMF12 CONTROL ROOM MONITOR
A1362	1.00E-01 MR/HR	EMF13 HOT MACHINE SHOP
A0072	1.00E+00 MR/HR	EMF14 HOT CHEMISTRY LAB ELEVATION 609
A0090	1.50E-01 MR/HR	EMF15 SPENT FUEL BLDG - REFUELING BRIDGE
A1368	1.80E+00 MR/HR	EMF16 WASTE SHIPPING AREA
A0078	9.50E+00 MR/HR	EMF17 REFUELING BRIDGE / REACTOR BUILDING
A1374	5.68E+00 R/HR	EMF18 REACTOR COOLANT FILTER A
A1380	2.39E-01 R/HR	EMF19 REACTOR COOLANT FILTER B
A1386	9.85E-02 MR/HR	EMF20 NEW FUEL STORAGE A
A1392	1.07E-01 MR/HR	EMF21 NEW FUEL STORAGE B
A1398	1.07E-01 MR/HR	EMF22 REACTOR BLDG FILTER ROOM - UNIT 1
P1822	1.68E+01 CPM	EMF37 DELTA COUNTS LAST 15 MINUTES

TIME

21.00

Display Group 136

A0912	1.00E-01 MR/HR	EMF24 TSC MONITOR
A1008	9.96E-03 R/HR	EMF26 STEAMLINE A RAD MONITOR
A1014	9.96E-03 R/HR	EMF27 STEAMLINE B RAD MONITOR
A1020	9.96E-03 R/HR	EMF27 STEAMLINE C RAD MONITOR
A1026	9.96E-03 R/HR	EMF29 STEAMLINE D RAD MONITOR
A1404	2.40E+02 CPM	EMF31 TURBINE BUILDING SUMP
A1410	6.50E+01 CPM	EMF33 COND AIR EJECTOR EXHAUSE
A1416X	1.30E+06 CPM	EMF34L STEAM GEN WATER SAMPLE
A0930	9.69E+03 CPM	EMF34H STEAM GENERATOR WATER SAMPLE HIGH
A0012	1.02E+02 CPM	EMF35L UNIT VENT PARTICULATE
A0018	2.10E+01 CPM	EMF35H UNIT VENT PARTICULATE
A0013	9.20E+01 CPM	EMF36L UNIT VENT GAS MONITOR
A0019	1.50E+01 CPM	EMF36H UNIT VENT GAS MONITOR
A0048	1.68E+01 CPM	EMF37 UNIT VENT IODINE MONITOR
A0024	1.50E+03 CPM	EMF38L CONTAINMENT AIR PARTICULATE
A0030	1.10E+01 CPM	EMF38H CONTAINMENT AIR PARTICULATE
A0025	2.60E+03 CPM	EMF39L CONTAINMENT GAS MONITOR
A0031	1.74E+01 CPM	EMF39H CONTAINMENT GAS MONITOR
A0054	3.00E+02 CPM	EMF40 CONTAINMENT IODINE MONITOR

TIME

21:00

Display Group 137

A0060	4.10E+01 CPM	EMF41 AUXILIARY BUILDING VENTILATION
A0066	3.00E+01 CPM	EMF42 FUEL BUILDING VENTILATION MONITOR
A0049	2.44E+01 CPM	EMF43A CONTROL ROOM AIR INTAKE LOCATION A
A0055	2.85E+01 CPM	EMF43B CONTROL ROOM AIR INTAKE LOCATION B
A1422	4.50E+03 CPM	EMF44L CONT VENT DRAIN TANK OUTLED LOW
A1464	1.50E+01 CPM	EMF44H CONT VENT DRAIN TANK OUTLED HIGH
A1428	1.35E+02 CPM	EMF45A (L) NUCLEAR SERVICE WATER TRN A LOW
A1470	1.00E+01 CPM	EMF45A (H) NUCLEAR SERVICE WATER TRN A HIGH
A1434	1.00E+02 CPM	EMF45B (L) NUCLEAR SERVICE WATER TRN B LOW
A1476	1.00E+01 CPM	EMF45B (H) NUCLEAR SERVICE WATER TRN B HIGH
A1440	2.35E+03 CPM	EMF46A COMPONENT COOLING WATER TRN A
A1446	1.60E+04 CPM	EMF46B COMPONENT COOLING WATER TRN B
A1452	1.12E+04 CPM	EMF47 BORON RECYCLE EVAPORATOR CONDENSER
A0061	3.20E+05 CPM	EMF48 REACTOR COOLANT MONITOR
A0036	1.34E+04 CPM	EMF49L WASTE LIQUID DISCHARGE
A0042	1.50E+01 CPM	EMF49H WASTE LIQUID DISCHARGE
A0037	2.08E+02 CPM	EMF50L WASTE GAS DISCHARGE MONITOR
A0043	1.00E+01 CPM	EMF50H WASTE GAS DISCHARGE MONITOR
A1458	3.50E+02 CPM	EMF52 CLEAN AREA FLOOR DRAIN DISCHARGE
A1306	2.25E+00 R/HR	EMF53A CONT HIGH RANGE MON TRN A

TIME

21:00

Display Group 138

A1314	2.25E+00 R/HR	EMF53B CONT HIGH RANGE MON TRN B
A1315	2.76E+00 R/HR	EMF54 UNIT VENT EXTENDED RANGE MONIROT
A0918	7.30E+01 CPM	EMF55A TSC AIR INTAKE MONITOR
A0924	3.18E+01 CPM	EMF55B TSC AIR INTAKE MONITOR

Display Group 135

A0720	2.20E-01 MR/HR	EMF1 AUX BUILDING CORRIDOR EL 522
A0726	2.00E+00 MR/HR	EMF2 SAMPLE ROOM - UNIT 1
A0732	2.50E-01 MR/HR	EMF3 CHARGING PUMP AREA
A0738	1.00E-01 MR/HR	EMF5 LIQUID WASTE CONTROL AREA
A1344	1.80E-01 MR/HR	EMF6 WASTE GAS AND SPENT RESIN AREA
A1350	3.27E+00 MR/HR	EMF7 AUX BUILDING CORRIDOR EL 580
A1358	1.00E-01 MR/HR	EMF9 AUX BUILDING FILTER HATCH AREA
A0067	4.00E+00 MR/HR	EMF11 INCORE INSTRUMENT ROOM - UNIT 1
A0084	1.00E-01 MR/HR	EMF12 CONTROL ROOM MONITOR
A1362	1.00E-01 MR/HR	EMF13 HOT MACHINE SHOP
A0072	1.00E+00 MR/HR	EMF14 HOT CHEMISTRY LAB ELEVATION 609
A0090	1.50E-01 MR/HR	EMF15 SPENT FUEL BLDG - REFUELING BRIDGE
A1368	1.80E+00 MR/HR	EMF16 WASTE SHIPPING AREA
A0078	9.80E+00 MR/HR	EMF17 REFUELING BRIDGE / REACTOR BUILDING
A1374	7.58E+00 R/HR	EMF18 REACTOR COOLANT FILTER A
A1380	2.71E-01 R/HR	EMF19 REACTOR COOLANT FILTER B
A1386	9.75E-02 MR/HR	EMF20 NEW FUEL STORAGE A
A1392	1.08E-01 MR/HR	EMF21 NEW FUEL STORAGE B
A1398	1.08E-01 MR/HR	EMF22 REACTOR BLDG FILTER ROOM - UNIT 1
P1822	1.68E+01 CPM	EMF37 DELTA COUNTS LAST 15 MINUTES

Display Group 136

A0912	1.00E-01 MR/HR	EMF24 TSC MONITOR
A1008	9.98E-03 R/HR	EMF26 STEAMLINE A RAD MONITOR
A1014	9.98E-03 R/HR	EMF27 STEAMLINE B RAD MONITOR
A1020	9.98E-03 R/HR	EMF27 STEAMLINE C RAD MONITOR
A1028	9.98E-03 R/HR	EMF29 STEAMLINE D RAD MONITOR
A1404	2.40E+02 CPM	EMF31 TURBINE BUILDING SUMP
A1410	6.50E+01 CPM	EMF33 COND AIR EJECTOR EXHAUSE
A1416X	1.30E+06 CPM	EMF34L STEAM GEN WATER SAMPLE
A0930	9.89E+03 CPM	EMF34H STEAM GENERATOR WATER SAMPLE HIGH
A0012	1.02E+02 CPM	EMF35L UNIT VENT PARTICULATE
A0018	2.10E+01 CPM	EMF35H UNIT VENT PARTICULATE
A0013	9.30E+01 CPM	EMF36L UNIT VENT GAS MONITOR
A0019	1.50E+01 CPM	EMF36H UNIT VENT GAS MONITOR
A0048	1.68E+01 CPM	EMF37 UNIT VENT IODINE MONITOR
A0024	1.50E+03 CPM	EMF38L CONTAINMENT AIR PARTICULATE
A0030	1.10E+01 CPM	EMF38H CONTAINMENT AIR PARTICULATE
A0025	3.24E+03 CPM	EMF39L CONTAINMENT GAS MONITOR
A0031	1.74E+01 CPM	EMF39H CONTAINMENT GAS MONITOR
A0054	4.00E+02 CPM	EMF40 CONTAINMENT IODINE MONITOR

TIME

21:15

Display Group 137

A0060	4.20E+01 CPM	EMF41 AUXILIARY BUILDING VENTILATION
A0066	3.00E+01 CPM	EMF42 FUEL BUILDING VENTILATION MONITOR
A0049	2.47E+01 CPM	EMF43A CONTROL ROOM AIR INTAKE LOCATION A
A0055	2.68E+01 CPM	EMF43B CONTROL ROOM AIR INTAKE LOCATION B
A1422	4.50E+03 CPM	EMF44L CONT VENT DRAIN TANK OUTLED LOW
A1484	1.50E+01 CPM	EMF44H CONT VENT DRAIN TANK OUTLED HIGH
A1426	1.35E+02 CPM	EMF45A (L) NUCLEAR SERVICE WATER TRN A LOW
A1470	1.00E+01 CPM	EMF45A (H) NUCLEAR SERVICE WATER TRN A HIGH
A1434	1.00E+02 CPM	EMF45B (L) NUCLEAR SERVICE WATER TRN B LOW
A1476	1.00E+01 CPM	EMF45B (H) NUCLEAR SERVICE WATER TRN B HIGH
A1440	2.35E+03 CPM	EMF46A COMPONENT COOLING WATER TRN A
A1446	1.80E+04 CPM	EMF46B COMPONENT COOLING WATER TRN B
A1452	1.12E+04 CPM	EMF47 BORON RECYCLE EVAPORATOR CONDENSER
A0061	2.90E+05 CPM	EMF48 REACTOR COOLANT MONITOR
A0038	1.34E+04 CPM	EMF49L WASTE LIQUID DISCHARGE
A0042	1.50E+01 CPM	EMF49H WASTE LIQUID DISCHARGE
A0037	2.08E+02 CPM	EMF50L WASTE GAS DISCHARGE MONITOR
A0043	1.00E+01 CPM	EMF50H WASTE GAS DISCHARGE MONITOR
A1458	3.50E+02 CPM	EMF52 CLEAN AREA FLOOR DRAIN DISCHARGE
A1308	2.00E+00 R/HR	EMF53A CONT HIGH RANGE MON TRN A

TIME

21:15

Display Group 138

A1314	2.10E+00 R/HR	EMF53B CONT HIGH RANGE MON TRN B
A1315	2.76E+00 R/HR	EMF54 UNIT VENT EXTENDED RANGE MONIROT
A0918	7.30E+01 CPM	EMF55A TSC AIR INTAKE MONITOR
A0924	3.17E+01 CPM	EMF55B TSC AIR INTAKE MONITOR

TIME

21.30

Display Group 135

A0720	2.20E-01 MR/HR	EMF1 AUX BUILDING CORRIDOR EL 522
A0726	2.00E+00 MR/HR	EMF2 SAMPLE ROOM - UNIT 1
A0732	2.50E-01 MR/HR	EMF3 CHARGING PUMP AREA
A0738	1.00E-01 MR/HR	EMF5 LIQUID WASTE CONTROL AREA
A1344	1.80E-01 MR/HR	EMF6 WASTE GAS AND SPENT RESIN AREA
A1350	3.27E+00 MR/HR	EMF7 AUX BUILDING CORRIDOR EL 560
A1356	1.00E-01 MR/HR	EMF9 AUX BUILDING FILTER HATCH AREA
A0067	4.50E+00 MR/HR	EMF11 INCORE INSTRUMENT ROOM - UNIT 1
A0064	1.00E-01 MR/HR	EMF12 CONTROL ROOM MONITOR
A1362	1.00E-01 MR/HR	EMF13 HOT MACHINE SHOP
A0072	1.00E+00 MR/HR	EMF14 HOT CHEMISTRY LAB ELEVATION 609
A0090	1.50E-01 MR/HR	EMF15 SPENT FUEL BLDG - REFUELING BRIDGE
A1366	1.80E+00 MR/HR	EMF16 WASTE SHIPPING AREA
A0078	1.00E+01 MR/HR	EMF17 REFUELING BRIDGE / REACTOR BUILDING
A1374	1.00E+01 R/HR	EMF18 REACTOR COOLANT FILTER A
A1380	3.07E-01 R/HR	EMF19 REACTOR COOLANT FILTER B
A1386	9.84E-02 MR/HR	EMF20 NEW FUEL STORAGE A
A1392	1.09E-01 MR/HR	EMF21 NEW FUEL STORAGE B
A1398	1.09E-01 MR/HR	EMF22 REACTOR BLDG FILTER ROOM - UNIT 1
P1822	1.68E+01 CPM	EMF37 DELTA COUNTS LAST 15 MINUTES

TIME

21.30

Display Group 136

A0912	1.00E-01 MR/HR	EMF24 TSC MONITOR
A1006	9.96E-03 R/HR	EMF26 STEAMLINE A RAD MONITOR
A1014	9.96E-03 R/HR	EMF27 STEAMLINE B RAD MONITOR
A1020	9.96E-03 R/HR	EMF27 STEAMLINE C RAD MONITOR
A1026	9.96E-03 R/HR	EMF29 STEAMLINE D RAD MONITOR
A1404	2.40E+02 CPM	EMF31 TURBINE BUILDING SUMP
A1410	6.50E+01 CPM	EMF33 COND AIR EJECTOR EXHAUSE
A1416X	1.30E+06 CPM	EMF34L STEAM GEN WATER SAMPLE
A0930	9.89E+03 CPM	EMF34H STEAM GENERATOR WATER SAMPLE HIGH
A0012	1.02E+02 CPM	EMF35L UNIT VENT PARTICULATE
A0018	2.10E+01 CPM	EMF35H UNIT VENT PARTICULATE
A0013	9.40E+01 CPM	EMF36L UNIT VENT GAS MONITOR
A0019	1.50E+01 CPM	EMF36H UNIT VENT GAS MONITOR
A0048	1.68E+01 CPM	EMF37 UNIT VENT IODINE MONITOR
A0024	1.50E+03 CPM	EMF38L CONTAINMENT AIR PARTICULATE
A0030	1.10E+01 CPM	EMF38H CONTAINMENT AIR PARTICULATE
A0025	3.32E+03 CPM	EMF39L CONTAINMENT GAS MONITOR
A0031	1.74E+01 CPM	EMF39H CONTAINMENT GAS MONITOR
A0054	6.00E+02 CPM	EMF40 CONTAINMENT IODINE MONITOR

TIME

21.30

Display Group 137

A0060	4.20E+01 CPM	EMF41 AUXILIARY BUILDING VENTILATION
A0066	3.00E+01 CPM	EMF42 FUEL BUILDING VENTILATION MONITOR
A0049	2.49E+01 CPM	EMF43A CONTROL ROOM AIR INTAKE LOCATION A
A0055	2.71E+01 CPM	EMF43B CONTROL ROOM AIR INTAKE LOCATION B
A1422	4.50E+03 CPM	EMF44L CONT VENT DRAIN TANK OUTLED LOW
A1484	1.50E+01 CPM	EMF44H CONT VENT DRAIN TANK OUTLED HIGH
A1428	1.35E+02 CPM	EMF45A (L) NUCLEAR SERVICE WATER TRN A LOW
A1470	1.00E+01 CPM	EMF45A (H) NUCLEAR SERVICE WATER TRN A HIGH
A1434	1.00E+02 CPM	EMF45B (L) NUCLEAR SERVICE WATER TRN B LOW
A1476	1.00E+01 CPM	EMF45B (H) NUCLEAR SERVICE WATER TRN B HIGH
A1440	2.35E+03 CPM	EMF46A COMPONENT COOLING WATER TRN A
A1446	1.60E+04 CPM	EMF46B COMPONENT COOLING WATER TRN B
A1452	1.12E+04 CPM	EMF47 BORON RECYCLE EVAPORATOR CONDENSER
A0061	2.80E+05 CPM	EMF48 REACTOR COOLANT MONITOR
A0036	1.34E+04 CPM	EMF49L WASTE LIQUID DISCHARGE
A0042	1.50E+01 CPM	EMF49H WASTE LIQUID DISCHARGE
A0037	2.08E+02 CPM	EMF50L WASTE GAS DISCHARGE MONITOR
A0043	1.00E+01 CPM	EMF50H WASTE GAS DISCHARGE MONITOR
A1458	3.50E+02 CPM	EMF52 CLEAN AREA FLOOR DRAIN DISCHARGE
A1308	2.00E+00 R/HR	EMF53A CONT HIGH RANGE MON TRN A

TIME

21.30

Display Group 138

A1314	2.10E+00 R/HR	EMF53B CONT HIGH RANGE MON TRN B
A1315	2.76E+00 R/HR	EMF54 UNIT VENT EXTENDED RANGE MONIROT
A0918	7.30E+01 CPM	EMF55A TSC AIR INTAKE MONITOR
A0924	3.18E+01 CPM	EMF55B TSC AIR INTAKE MONITOR

TIME

21:45

Display Group 135

A0720	2.20E-01 MR/HR	EMF1 AUX BUILDING CORRIDOR EL 522
A0726	2.00E+00 MR/HR	EMF2 SAMPLE ROOM - UNIT 1
A0732	2.50E-01 MR/HR	EMF3 CHARGING PUMP AREA
A0738	1.00E-01 MR/HR	EMF5 LIQUID WASTE CONTROL AREA
A1344	1.80E-01 MR/HR	EMF6 WASTE GAS AND SPENT RESIN AREA
A1350	3.27E+00 MR/HR	EMF7 AUX BUILDING CORRIDOR EL 560
A1356	1.00E-01 MR/HR	EMF9 AUX BUILDING FILTER HATCH AREA
A0067	5.00E+00 MR/HR	EMF11 INCORE INSTRUMENT ROOM - UNIT 1
A0084	1.00E-01 MR/HR	EMF12 CONTROL ROOM MONITOR
A1362	1.00E-01 MR/HR	EMF13 HOT MACHINE SHOP
A0072	1.00E+00 MR/HR	EMF14 HOT CHEMISTRY LAB ELEVATION 609
A0090	1.50E-01 MR/HR	EMF15 SPENT FUEL BLDG - REFUELING BRIDGE
A1368	1.80E+00 MR/HR	EMF16 WASTE SHIPPING AREA
A0078	9.90E+00 MR/HR	EMF17 REFUELING BRIDGE / REACTOR BUILDING
A1374	1.34E+01 R/HR	EMF18 REACTOR COOLANT FILTER A
A1380	3.47E-01 R/HR	EMF19 REACTOR COOLANT FILTER B
A1386	9.94E-02 MR/HR	EMF20 NEW FUEL STORAGE A
A1392	1.10E-01 MR/HR	EMF21 NEW FUEL STORAGE B
A1398	1.10E-01 MR/HR	EMF22 REACTOR BLDG FILTER ROOM - UNIT 1
P1822	1.68E+01 CPM	EMF37 DELTA COUNTS LAST 15 MINUTES

TIME

21:45

Display Group 136

A0912	1.00E-01 MR/HR	EMF24 TSC MONITOR
A1008	9.96E-03 R/HR	EMF26 STEAMLINE A RAD MONITOR
A1014	9.96E-03 R/HR	EMF27 STEAMLINE B RAD MONITOR
A1020	9.96E-03 R/HR	EMF27 STEAMLINE C RAD MONITOR
A1026	9.96E-03 R/HR	EMF29 STEAMLINE D RAD MONITOR
A1404	2.40E+02 CPM	EMF31 TURBINE BUILDING SUMP
A1410	6.50E+01 CPM	EMF33 COND AIR EJECTOR EXHAUSE
A1416X	1.30E+06 CPM	EMF34L STEAM GEN WATER SAMPLE
A0930	9.69E+03 CPM	EMF34H STEAM GENERATOR WATER SAMPLE HIGH
A0012	1.02E+02 CPM	EMF35L UNIT VENT PARTICULATE
A0018	2.10E+01 CPM	EMF35H UNIT VENT PARTICULATE
A0013	9.50E+01 CPM	EMF36L UNIT VENT GAS MONITOR
A0019	1.50E+01 CPM	EMF36H UNIT VENT GAS MONITOR
A0048	1.68E+01 CPM	EMF37 UNIT VENT IODINE MONITOR
A0024	1.50E+03 CPM	EMF38L CONTAINMENT AIR PARTICULATE
A0030	1.10E+01 CPM	EMF38H CONTAINMENT AIR PARTICULATE
A0025	3.51E+03 CPM	EMF39L CONTAINMENT GAS MONITOR
A0031	1.74E+01 CPM	EMF39H CONTAINMENT GAS MONITOR
A0054	6.00E+02 CPM	EMF40 CONTAINMENT IODINE MONITOR

TIME

21:45

Display Group 137

A0060	4.30E+01 CPM	EMF41 AUXILIARY BUILDING VENTILATION
A0066	3.00E+01 CPM	EMF42 FUEL BUILDING VENTILATION MONITOR
A0049	2.52E+01 CPM	EMF43A CONTROL ROOM AIR INTAKE LOCATION A
A0055	2.73E+01 CPM	EMF43B CONTROL ROOM AIR INTAKE LOCATION B
A1422	4.50E+03 CPM	EMF44L CONT VENT DRAIN TANK OUTLED LOW
A1464	1.50E+01 CPM	EMF44H CONT VENT DRAIN TANK OUTLED HIGH
A1428	1.35E+02 CPM	EMF45A (L) NUCLEAR SERVICE WATER TRN A LOW
A1470	1.00E+01 CPM	EMF45A (H) NUCLEAR SERVICE WATER TRN A HIGH
A1434	1.00E+02 CPM	EMF45B (L) NUCLEAR SERVICE WATER TRN B LOW
A1476	1.00E+01 CPM	EMF45B (H) NUCLEAR SERVICE WATER TRN B HIGH
A1440	2.35E+03 CPM	EMF46A COMPONENT COOLING WATER TRN A
A1446	1.80E+04 CPM	EMF46B COMPONENT COOLING WATER TRN B
A1452	1.12E+04 CPM	EMF47 BORON RECYCLE EVAPORATOR CONDENSEF
A0061	2.70E+05 CPM	EMF48 REACTOR COOLANT MONITOR
A0036	1.34E+04 CPM	EMF49L WASTE LIQUID DISCHARGE
A0042	1.50E+01 CPM	EMF49H WASTE LIQUID DISCHARGE
A0037	2.08E+02 CPM	EMF50L WASTE GAS DISCHARGE MONITOR
A0043	1.00E+01 CPM	EMF50H WASTE GAS DISCHARGE MONITOR
A1458	3.50E+02 CPM	EMF52 CLEAN AREA FLOOR DRAIN DISCHARGE
A1308	2.00E+00 R/HR	EMF53A CONT HIGH RANGE MON TRN A

TIME

21:45

Display Group 138

A1314	2.10E+00 R/HR	EMF53B CONT HIGH RANGE MON TRN B
A1315	2.76E+00 R/HR	EMF54 UNIT VENT EXTENDED RANGE MONIROT
A0918	7.30E+01 CPM	EMF55A TSC AIR INTAKE MONITOR
A0924	3.20E+01 CPM	EMF55B TSC AIR INTAKE MONITOR

TIME

Display Group 135

A0720	2.20E-01 MR/HR	EMF1 AUX BUILDING CORRIDOR EL 522
A0726	2.00E+00 MR/HR	EMF2 SAMPLE ROOM - UNIT 1
A0732	2.50E-01 MR/HR	EMF3 CHARGING PUMP AREA
A0738	1.00E-01 MR/HR	EMF5 LIQUID WASTE CONTROL AREA
A1344	1.80E-01 MR/HR	EMF6 WASTE GAS AND SPENT RESIN AREA
A1350	3.27E+00 MR/HR	EMF7 AUX BUILDING CORRIDOR EL 560
A1356	1.00E-01 MR/HR	EMF9 AUX BUILDING FILTER HATCH AREA
A0067	5.25E+00 MR/HR	EMF11 INCORE INSTRUMENT ROOM - UNIT 1
A0084	1.00E-01 MR/HR	EMF12 CONTROL ROOM MONITOR
A1362	1.00E-01 MR/HR	EMF13 HOT MACHINE SHOP
A0072	1.00E+00 MR/HR	EMF14 HOT CHEMISTRY LAB ELEVATION 809
A0090	1.50E-01 MR/HR	EMF15 SPENT FUEL BLDG - REFUELING BRIDGE
A1368	1.80E+00 MR/HR	EMF16 WASTE SHIPPING AREA
A0078	9.50E+00 MR/HR	EMF17 REFUELING BRIDGE / REACTOR BUILDING
A1374	1.78E+01 R/HR	EMF18 REACTOR COOLANT FILTER A
A1380	3.94E-01 R/HR	EMF19 REACTOR COOLANT FILTER B
A1386	1.00E-01 MR/HR	EMF20 NEW FUEL STORAGE A
A1392	1.12E-01 MR/HR	EMF21 NEW FUEL STORAGE B
A1398	1.12E-01 MR/HR	EMF22 REACTOR BLDG FILTER ROOM - UNIT 1
P1822	1.68E+01 CPM	EMF37 DELTA COUNTS LAST 15 MINUTES

TIME

22.00

Display Group 136

A0912	1.00E-01 MR/HR	EMF24 TSC MONITOR
A1006	9.96E-03 R/HR	EMF26 STEAMLINE A RAD MONITOR
A1014	9.96E-03 R/HR	EMF27 STEAMLINE B RAD MONITOR
A1020	9.96E-03 R/HR	EMF27 STEAMLINE C RAD MONITOR
A1026	9.96E-03 R/HR	EMF29 STEAMLINE D RAD MONITOR
A1404	2.40E+02 CPM	EMF31 TURBINE BUILDING SUMP
A1410	6.50E+01 CPM	EMF33 COND AIR EJECTOR EXHAUSE
A1416X	1.30E+06 CPM	EMF34L STEAM GEN WATER SAMPLE
A0930	9.89E+03 CPM	EMF34H STEAM GENERATOR WATER SAMPLE HIGH
A0012	1.02E+02 CPM	EMF35L UNIT VENT PARTICULATE
A0018	2.10E+01 CPM	EMF35H UNIT VENT PARTICULATE
A0013	9.50E+01 CPM	EMF36L UNIT VENT GAS MONITOR
A0019	1.50E+01 CPM	EMF36H UNIT VENT GAS MONITOR
A0048	1.68E+01 CPM	EMF37 UNIT VENT IODINE MONITOR
A0024	1.50E+03 CPM	EMF38L CONTAINMENT AIR PARTICULATE
A0030	1.10E+01 CPM	EMF38H CONTAINMENT AIR PARTICULATE
A0025	3.65E+03 CPM	EMF39L CONTAINMENT GAS MONITOR
A0031	1.74E+01 CPM	EMF39H CONTAINMENT GAS MONITOR
A0054	5.00E+02 CPM	EMF40 CONTAINMENT IODINE MONITOR

TIME

22:00

Display Group 137

A0060	4.40E+01 CPM	EMF41 AUXILIARY BUILDING VENTILATION
A0066	3.00E+01 CPM	EMF42 FUEL BUILDING VENTILATION MONITOR
A0049	2.54E+01 CPM	EMF43A CONTROL ROOM AIR INTAKE LOCATION A
A0055	2.76E+01 CPM	EMF43B CONTROL ROOM AIR INTAKE LOCATION B
A1422	4.50E+03 CPM	EMF44L CONT VENT DRAIN TANK OUTLED LOW
A1464	1.50E+01 CPM	EMF44H CONT VENT DRAIN TANK OUTLED HIGH
A1428	1.35E+02 CPM	EMF45A (L) NUCLEAR SERVICE WATER TRN A LOW
A1470	1.00E+01 CPM	EMF45A (H) NUCLEAR SERVICE WATER TRN A HIGH
A1434	1.00E+02 CPM	EMF45B (L) NUCLEAR SERVICE WATER TRN B LOW
A1476	1.00E+01 CPM	EMF45B (H) NUCLEAR SERVICE WATER TRN B HIGH
A1440	2.35E+03 CPM	EMF46A COMPONENT COOLING WATER TRN A
A1446	1.60E+04 CPM	EMF46B COMPONENT COOLING WATER TRN B
A1452	1.12E+04 CPM	EMF47 BORON RECYCLE EVAPORATOR CONDENSER
A0061	2.60E+05 CPM	EMF48 REACTOR COOLANT MONITOR
A0036	1.34E+04 CPM	EMF49L WASTE LIQUID DISCHARGE
A0042	1.50E+01 CPM	EMF49H WASTE LIQUID DISCHARGE
A0037	2.08E+02 CPM	EMF50L WASTE GAS DISCHARGE MONITOR
A0043	1.00E+01 CPM	EMF50H WASTE GAS DISCHARGE MONITOR
A1458	3.50E+02 CPM	EMF52 CLEAN AREA FLOOR DRAIN DISCHARGE
A1306	2.00E+00 R/HR	EMF53A CONT HIGH RANGE MON TRN A

TIME

22:00

Display Group 138

A1314	2.10E+00 R/HR	EMF53B CONT HIGH RANGE MON TRN B
A1315	2.76E+00 R/HR	EMF54 UNIT VENT EXTENDED RANGE MONIROT
A0918	7.30E+01 CPM	EMF55A TSC AIR INTAKE MONITOR
A0924	3.21E+01 CPM	EMF55B TSC AIR INTAKE MONITOR

Display Group 135

A0720	2.20E-01 MR/HR	EMF1 AUX BUILDING CORRIDOR EL 522
A0726	2.00E+00 MR/HR	EMF2 SAMPLE ROOM - UNIT 1
A0732	2.50E-01 MR/HR	EMF3 CHARGING PUMP AREA
A0738	1.00E-01 MR/HR	EMF5 LIQUID WASTE CONTROL AREA
A1344	1.80E-01 MR/HR	EMF6 WASTE GAS AND SPENT RESIN AREA
A1350	3.27E+00 MR/HR	EMF7 AUX BUILDING CORRIDOR EL 560
A1356	1.00E-01 MR/HR	EMF9 AUX BUILDING FILTER HATCH AREA
A0067	5.30E+00 MR/HR	EMF11 INCORE INSTRUMENT ROOM - UNIT 1
A0084	1.00E-01 MR/HR	EMF12 CONTROL ROOM MONITOR
A1362	1.00E-01 MR/HR	EMF13 HOT MACHINE SHOP
A0072	1.00E+00 MR/HR	EMF14 HOT CHEMISTRY LAB ELEVATION 609
A0090	1.50E-01 MR/HR	EMF15 SPENT FUEL BLDG - REFUELING BRIDGE
A1368	1.80E+00 MR/HR	EMF16 WASTE SHIPPING AREA
A0078	9.30E+00 MR/HR	EMF17 REFUELING BRIDGE / REACTOR BUILDING
A1374	2.36E+01 R/HR	EMF18 REACTOR COOLANT FILTER A
A1380	4.46E-01 R/HR	EMF19 REACTOR COOLANT FILTER B
A1386	1.01E-01 MR/HR	EMF20 NEW FUEL STORAGE A
A1392	1.13E-01 MR/HR	EMF21 NEW FUEL STORAGE B
A1398	1.13E-01 MR/HR	EMF22 REACTOR BLDG FILTER ROOM - UNIT 1
P1822	1.68E+01 CPM	EMF37 DELTA COUNTS LAST 15 MINUTES

22:15

Display Group 136

A0912	1.00E-01 MR/HR	EMF24 TSC MONITOR
A1006	9.96E-03 R/HR	EMF26 STEAMLINE A RAD MONITOR
A1014	9.96E-03 R/HR	EMF27 STEAMLINE B RAD MONITOR
A1020	9.96E-03 R/HR	EMF27 STEAMLINE C RAD MONITOR
A1026	9.96E-03 R/HR	EMF29 STEAMLINE D RAD MONITOR
A1404	2.40E+02 CPM	EMF31 TURBINE BUILDING SUMP
A1410	6.50E+01 CPM	EMF33 COND AIR EJECTOR EXHAUSE
A1416X	1.30E+06 CPM	EMF34L STEAM GEN WATER SAMPLE
A0930	9.69E+03 CPM	EMF34H STEAM GENERATOR WATER SAMPLE HIGH
A0012	1.02E+02 CPM	EMF35L UNIT VENT PARTICULATE
A0018	2.10E+01 CPM	EMF35H UNIT VENT PARTICULATE
A0013	9.50E+01 CPM	EMF36L UNIT VENT GAS MONITOR
A0019	1.50E+01 CPM	EMF36H UNIT VENT GAS MONITOR
A0048	1.68E+01 CPM	EMF37 UNIT VENT IODINE MONITOR
A0024	1.50E+03 CPM	EMF38L CONTAINMENT AIR PARTICULATE
A0030	1.10E+01 CPM	EMF38H CONTAINMENT AIR PARTICULATE
A0025	3.67E+03 CPM	EMF39L CONTAINMENT GAS MONITOR
A0031	1.74E+01 CPM	EMF39H CONTAINMENT GAS MONITOR
A0054	6.00E+02 CPM	EMF40 CONTAINMENT IODINE MONITOR

TIME

22:15

Display Group 137

A0060	4.40E+01 CPM	EMF41 AUXILIARY BUILDING VENTILATION
A0066	3.00E+01 CPM	EMF42 FUEL BUILDING VENTILATION MONITOR
A0049	2.57E+01 CPM	EMF43A CONTROL ROOM AIR INTAKE LOCATION A
A0055	2.79E+01 CPM	EMF43B CONTROL ROOM AIR INTAKE LOCATION B
A1422	4.50E+03 CPM	EMF44L CONT VENT DRAIN TANK OUTLED LOW
A1464	1.50E+01 CPM	EMF44H CONT VENT DRAIN TANK OUTLED HIGH
A1426	1.35E+02 CPM	EMF45A (L) NUCLEAR SERVICE WATER TRN A LOW
A1470	1.00E+01 CPM	EMF45A (H) NUCLEAR SERVICE WATER TRN A HIGH
A1434	1.00E+02 CPM	EMF45B (L) NUCLEAR SERVICE WATER TRN B LOW
A1476	1.00E+01 CPM	EMF45B (H) NUCLEAR SERVICE WATER TRN B HIGH
A1440	2.35E+03 CPM	EMF46A COMPONENT COOLING WATER TRN A
A1446	1.80E+04 CPM	EMF46B COMPONENT COOLING WATER TRN B
A1452	1.12E+04 CPM	EMF47 BORON RECYCLE EVAPORATOR CONDENSER
A0061	2.50E+05 CPM	EMF48 REACTOR COOLANT MONITOR
A0036	1.34E+04 CPM	EMF49L WASTE LIQUID DISCHARGE
A0042	1.50E+01 CPM	EMF49H WASTE LIQUID DISCHARGE
A0037	2.08E+02 CPM	EMF50L WASTE GAS DISCHARGE MONITOR
A0043	1.00E+01 CPM	EMF50H WASTE GAS DISCHARGE MONITOR
A1458	3.50E+02 CPM	EMF52 CLEAN AREA FLOOR DRAIN DISCHARGE
A1308	2.00E+00 R/HR	EMF53A CONT HIGH RANGE MON TRN A

TIME

22:15

Display Group 138

A1314	2.10E+00 R/HR	EMF53B CONT HIGH RANGE MON TRN B
A1315	2.76E+00 R/HR	EMF54 UNIT VENT EXTENDED RANGE MONIROT
A0918	7.30E+01 CPM	EMF55A TSC AIR INTAKE MONITOR
A0924	3.22E+01 CPM	EMF55B TSC AIR INTAKE MONITOR

Display Group 135

A0720	2.20E-01 MR/HR	EMF1 AUX BUILDING CORRIDOR EL 522
A0726	2.00E+00 MR/HR	EMF2 SAMPLE ROOM - UNIT 1
A0732	2.50E-01 MR/HR	EMF3 CHARGING PUMP AREA
A0738	1.00E-01 MR/HR	EMF5 LIQUID WASTE CONTROL AREA
A1344	1.80E-01 MR/HR	EMF8 WASTE GAS AND SPENT RESIN AREA
A1350	3.27E+00 MR/HR	EMF7 AUX BUILDING CORRIDOR EL 560
A1356	1.00E-01 MR/HR	EMF9 AUX BUILDING FILTER HATCH AREA
A0067	5.50E+00 MR/HR	EMF11 INCORE INSTRUMENT ROOM - UNIT 1
A0084	1.00E-01 MR/HR	EMF12 CONTROL ROOM MONITOR
A1362	1.00E-01 MR/HR	EMF13 HOT MACHINE SHOP
A0072	1.00E+00 MR/HR	EMF14 HOT CHEMISTRY LAB ELEVATION 809
A0090	1.50E-01 MR/HR	EMF15 SPENT FUEL BLDG - REFUELING BRIDGE
A1368	1.80E+00 MR/HR	EMF16 WASTE SHIPPING AREA
A0078	9.20E+00 MR/HR	EMF17 REFUELING BRIDGE / REACTOR BUILDING
A1374	3.14E+01 R/HR	EMF18 REACTOR COOLANT FILTER A
A1380	5.05E-01 R/HR	EMF19 REACTOR COOLANT FILTER B
A1386	1.02E-01 MR/HR	EMF20 NEW FUEL STORAGE A
A1392	1.14E-01 MR/HR	EMF21 NEW FUEL STORAGE B
A1398	1.14E-01 MR/HR	EMF22 REACTOR BLDG FILTER ROOM - UNIT 1
P1822	1.68E+01 CPM	EMF37 DELTA COUNTS LAST 15 MINUTES

Display Group 136

A0912	1.00E-01 MR/HR	EMF24 TSC MONITOR
A1008	9.96E-03 R/HR	EMF26 STEAMLINE A RAD MONITOR
A1014	9.96E-03 R/HR	EMF27 STEAMLINE B RAD MONITOR
A1020	9.96E-03 R/HR	EMF27 STEAMLINE C RAD MONITOR
A1026	9.96E-03 R/HR	EMF29 STEAMLINE D RAD MONITOR
A1404	2.40E+02 CPM	EMF31 TURBINE BUILDING SUMP
A1410	6.50E+01 CPM	EMF33 COND AIR EJECTOR EXHAUSE
A1416X	1.30E+06 CPM	EMF34L STEAM GEN WATER SAMPLE
A0930	9.69E+03 CPM	EMF34H STEAM GENERATOR WATER SAMPLE HIGH
A0012	1.02E+02 CPM	EMF35L UNIT VENT PARTICULATE
A0018	2.10E+01 CPM	EMF35H UNIT VENT PARTICULATE
A0013	9.50E+01 CPM	EMF36L UNIT VENT GAS MONITOR
A0019	1.50E+01 CPM	EMF36H UNIT VENT GAS MONITOR
A0048	1.68E+01 CPM	EMF37 UNIT VENT IODINE MONITOR
A0024	1.50E+03 CPM	EMF38L CONTAINMENT AIR PARTICULATE
A0030	1.10E+01 CPM	EMF38H CONTAINMENT AIR PARTICULATE
A0025	3.70E+03 CPM	EMF39L CONTAINMENT GAS MONITOR
A0031	1.74E+01 CPM	EMF39H CONTAINMENT GAS MONITOR
A0054	6.00E+02 CPM	EMF40 CONTAINMENT IODINE MONITOR

TIME

22:30

Display Group 137

A0060	4.40E+01 CPM	EMF41 AUXILIARY BUILDING VENTILATION
A0066	3.00E+01 CPM	EMF42 FUEL BUILDING VENTILATION MONITOR
A0049	2.59E+01 CPM	EMF43A CONTROL ROOM AIR INTAKE LOCATION A
A0055	2.82E+01 CPM	EMF43B CONTROL ROOM AIR INTAKE LOCATION B
A1422	4.50E+03 CPM	EMF44L CONT VENT DRAIN TANK OUTLED LOW
A1464	1.50E+01 CPM	EMF44H CONT VENT DRAIN TANK OUTLED HIGH
A1428	1.35E+02 CPM	EMF45A (L) NUCLEAR SERVICE WATER TRN A LOW
A1470	1.00E+01 CPM	EMF45A (H) NUCLEAR SERVICE WATER TRN A HIGH
A1434	1.00E+02 CPM	EMF45B (L) NUCLEAR SERVICE WATER TRN B LOW
A1476	1.00E+01 CPM	EMF45B (H) NUCLEAR SERVICE WATER TRN B HIGH
A1440	2.35E+03 CPM	EMF46A COMPONENT COOLING WATER TRN A
A1446	1.80E+04 CPM	EMF46B COMPONENT COOLING WATER TRN B
A1452	1.12E+04 CPM	EMF47 BORON RECYCLE EVAPORATOR CONDENSER
A0061	2.50E+05 CPM	EMF48 REACTOR COOLANT MONITOR
A0036	1.34E+04 CPM	EMF49L WASTE LIQUID DISCHARGE
A0042	1.50E+01 CPM	EMF49H WASTE LIQUID DISCHARGE
A0037	2.08E+02 CPM	EMF50L WASTE GAS DISCHARGE MONITOR
A0043	1.00E+01 CPM	EMF50H WASTE GAS DISCHARGE MONITOR
A1458	3.50E+02 CPM	EMF52 CLEAN AREA FLOOR DRAIN DISCHARGE
A1308	2.00E+00 R/HR	EMF53A CONT HIGH RANGE MON TRN A

TIME

22:30

Display Group 138

A1314	2.10E+00 R/HR	EMF53B CONT HIGH RANGE MON TRN B
A1315	2.76E+00 R/HR	EMF54 UNIT VENT EXTENDED RANGE MONIROT
A0918	7.30E+01 CPM	EMF55A TSC AIR INTAKE MONITOR
A0924	3.23E+01 CPM	EMF55B TSC AIR INTAKE MONITOR

Display Group 135

A0720	2.20E-01 MR/HR	EMF1 AUX BUILDING CORRIDOR EL 522
A0726	2.00E+00 MR/HR	EMF2 SAMPLE ROOM - UNIT 1
A0732	2.50E-01 MR/HR	EMF3 CHARGING PUMP AREA
A0738	1.00E-01 MR/HR	EMF5 LIQUID WASTE CONTROL AREA
A1344	1.80E-01 MR/HR	EMF6 WASTE GAS AND SPENT RESIN AREA
A1350	3.27E+00 MR/HR	EMF7 AUX BUILDING CORRIDOR EL 560
A1356	1.00E-01 MR/HR	EMF9 AUX BUILDING FILTER HATCH AREA
A0067	5.55E+00 MR/HR	EMF11 INCORE INSTRUMENT ROOM - UNIT 1
A0064	1.00E-01 MR/HR	EMF12 CONTROL ROOM MONITOR
A1362	1.00E-01 MR/HR	EMF13 HOT MACHINE SHOP
A0072	1.00E+00 MR/HR	EMF14 HOT CHEMISTRY LAB ELEVATION 609
A0090	1.50E-01 MR/HR	EMF15 SPENT FUEL BLDG - REFUELING BRIDGE
A1368	1.80E+00 MR/HR	EMF16 WASTE SHIPPING AREA
A0078	9.00E+00 MR/HR	EMF17 REFUELING BRIDGE / REACTOR BUILDING
A1374	4.18E+01 R/HR	EMF18 REACTOR COOLANT FILTER A
A1380	5.72E-01 R/HR	EMF19 REACTOR COOLANT FILTER B
A1386	1.03E-01 MR/HR	EMF20 NEW FUEL STORAGE A
A1392	1.15E-01 MR/HR	EMF21 NEW FUEL STORAGE B
A1398	1.15E-01 MR/HR	EMF22 REACTOR BLDG FILTER ROOM - UNIT 1
P1822	1.68E+01 CPM	EMF37 DELTA COUNTS LAST 15 MINUTES

Display Group 136

A0912	1.00E-01 MR/HR	EMF24 TSC MONITOR
A1006	9.98E-03 R/HR	EMF26 STEAMLINE A RAD MONITOR
A1014	9.98E-03 R/HR	EMF27 STEAMLINE B RAD MONITOR
A1020	9.96E-03 R/HR	EMF27 STEAMLINE C RAD MONITOR
A1026	9.96E-03 R/HR	EMF29 STEAMLINE D RAD MONITOR
A1404	2.40E+02 CPM	EMF31 TURBINE BUILDING SUMP
A1410	6.50E+01 CPM	EMF33 COND AIR EJECTOR EXHAUSE
A1416X	1.30E+06 CPM	EMF34L STEAM GEN WATER SAMPLE
A0930	9.89E+03 CPM	EMF34H STEAM GENERATOR WATER SAMPLE HIGH
A0012	1.02E+02 CPM	EMF35L UNIT VENT PARTICULATE
A0018	2.10E+01 CPM	EMF35H UNIT VENT PARTICULATE
A0013	9.50E+01 CPM	EMF36L UNIT VENT GAS MONITOR
A0019	1.50E+01 CPM	EMF36H UNIT VENT GAS MONITOR
A0048	1.68E+01 CPM	EMF37 UNIT VENT IODINE MONITOR
A0024	1.50E+05 CPM	EMF38L CONTAINMENT AIR PARTICULATE
A0030	1.10E+01 CPM	EMF38H CONTAINMENT AIR PARTICULATE
A0025	3.78E+03 CPM	EMF39L CONTAINMENT GAS MONITOR
A0031	1.74E+01 CPM	EMF39H CONTAINMENT GAS MONITOR
A0054	6.00E+02 CPM	EMF40 CONTAINMENT IODINE MONITOR

TIME

22:45

Display Group 137

A0080	4.40E+01 CPM	EMF41 AUXILIARY BUILDING VENTILATION
A0086	3.00E+01 CPM	EMF42 FUEL BUILDING VENTILATION MONITOR
A0049	2.62E+01 CPM	EMF43A CONTROL ROOM AIR INTAKE LOCATION A
A0055	2.85E+01 CPM	EMF43B CONTROL ROOM AIR INTAKE LOCATION B
A1422	4.50E+03 CPM	EMF44L CONT VENT DRAIN TANK OUTLED LOW
A1464	1.50E+01 CPM	EMF44H CONT VENT DRAIN TANK OUTLED HIGH
A1428	1.35E+02 CPM	EMF45A (L) NUCLEAR SERVICE WATER TRN A LOW
A1470	1.00E+01 CPM	EMF45A (H) NUCLEAR SERVICE WATER TRN A HIGH
A1434	1.00E+02 CPM	EMF45B (L) NUCLEAR SERVICE WATER TRN B LOW
A1476	1.00E+01 CPM	EMF45B (H) NUCLEAR SERVICE WATER TRN B HIGH
A1440	2.35E+03 CPM	EMF46A COMPONENT COOLING WATER TRN A
A1446	1.60E+04 CPM	EMF46B COMPONENT COOLING WATER TRN B
A1452	1.12E+04 CPM	EMF47 BORON RECYCLE EVAPORATOR CONDENSER
A0081	2.50E+05 CPM	EMF48 REACTOR COOLANT MONITOR
A0036	1.34E+04 CPM	EMF49L WASTE LIQUID DISCHARGE
A0042	1.50E+01 CPM	EMF49H WASTE LIQUID DISCHARGE
A0037	2.08E+02 CPM	EMF50L WASTE GAS DISCHARGE MONITOR
A0043	1.00E+01 CPM	EMF50H WASTE GAS DISCHARGE MONITOR
A1458	3.50E+02 CPM	EMF52 CLEAN AREA FLOOR DRAIN DISCHARGE
A1308	2.00E+00 R/HR	EMF53A CONT HIGH RANGE MON TRN A

TIME

22:45

Display Group 138

A1314	2.10E+00 R/HR	EMF53B CONT HIGH RANGE MON TRN B
A1315	2.76E+00 R/HR	EMF54 UNIT VENT EXTENDED RANGE MONIROT
A0918	7.30E+01 CPM	EMF55A TSC AIR INTAKE MONITOR
A0924	3.24E+01 CPM	EMF55B TSC AIR INTAKE MONITOR

TIME

00

Display Group 135

A0720	2.20E-01 MR/HR	EMF1 AUX BUILDING CORRIDOR EL 522
A0726	2.00E+00 MR/HR	EMF2 SAMPLE ROOM - UNIT 1
A0732	2.50E-01 MR/HR	EMF3 CHARGING PUMP AREA
A0738	1.00E-01 MR/HR	EMF5 LIQUID WASTE CONTROL AREA
A1344	1.80E-01 MR/HR	EMF6 WASTE GAS AND SPENT RESIN AREA
A1350	3.27E+00 MR/HR	EMF7 AUX BUILDING CORRIDOR EL 560
A1356	1.00E-01 MR/HR	EMF9 AUX BUILDING FILTER HATCH AREA
A0067	5.30E+00 MR/HR	EMF11 INCORE INSTRUMENT ROOM - UNIT 1
A0084	1.00E-01 MR/HR	EMF12 CONTROL ROOM MONITOR
A1362	1.00E-01 MR/HR	EMF13 HOT MACHINE SHOP
A0072	1.00E+00 MR/HR	EMF14 HOT CHEMISTRY LAB ELEVATION 609
A0090	1.50E-01 MR/HR	EMF15 SPENT FUEL BLDG - REFUELING BRIDGE
A1368	1.80E+00 MR/HR	EMF16 WASTE SHIPPING AREA
A0078	9.20E+00 MR/HR	EMF17 REFUELING BRIDGE / REACTOR BUILDING
A1374	5.58E+01 R/HR	EMF18 REACTOR COOLANT FILTER A
A1380	6.48E-01 R/HR	EMF19 REACTOR COOLANT FILTER B
A1386	1.04E-01 MR/HR	EMF20 NEW FUEL STORAGE A
A1392	1.16E-01 MR/HR	EMF21 NEW FUEL STORAGE B
A1398	1.16E-01 MR/HR	EMF22 REACTOR BLDG FILTER ROOM - UNIT 1
P1822	1.68E+01 CPM	EMF37 DELTA COUNTS LAST 15 MINUTES

TIME

23:00

Display Group 136

A0912	1.00E-01 MR/HR	EMF24 TSC MONITOR
A1008	9.96E-03 R/HR	EMF26 STEAMLINE A RAD MONITOR
A1014	9.96E-03 R/HR	EMF27 STEAMLINE B RAD MONITOR
A1020	9.96E-03 R/HR	EMF27 STEAMLINE C RAD MONITOR
A1026	9.96E-03 R/HR	EMF29 STEAMLINE D RAD MONITOR
A1404	2.40E+02 CPM	EMF31 TURBINE BUILDING SUMP
A1410	6.50E+01 CPM	EMF33 COND AIR EJECTOR EXHAUSE
A1416X	1.30E+06 CPM	EMF34L STEAM GEN WATER SAMPLE
A0930	9.69E+03 CPM	EMF34H STEAM GENERATOR WATER SAMPLE HIGH
A0012	1.02E+02 CPM	EMF35L UNIT VENT PARTICULATE
A0018	2.10E+01 CPM	EMF35H UNIT VENT PARTICULATE
A0013	9.50E+01 CPM	EMF36L UNIT VENT GAS MONITOR
A0019	1.50E+01 CPM	EMF36H UNIT VENT GAS MONITOR
A0048	1.68E+01 CPM	EMF37 UNIT VENT IODINE MONITOR
A0024	1.50E+03 CPM	EMF38L CONTAINMENT AIR PARTICULATE
A0030	1.10E+01 CPM	EMF38H CONTAINMENT AIR PARTICULATE
A0025	3.83E+03 CPM	EMF39L CONTAINMENT GAS MONITOR
A0031	1.74E+01 CPM	EMF39H CONTAINMENT GAS MONITOR
A0054	6.00E+02 CPM	EMF40 CONTAINMENT IODINE MONITOR

TIME

23:00

Display Group 137

A0060	4.40E+01 CPM	EMF41 AUXILIARY BUILDING VENTILATION
A0066	3.00E+01 CPM	EMF42 FUEL BUILDING VENTILATION MONITOR
A0049	2.64E+01 CPM	EMF43A CONTROL ROOM AIR INTAKE LOCATION A
A0055	2.87E+01 CPM	EMF43B CONTROL ROOM AIR INTAKE LOCATION B
A1422	4.50E+03 CPM	EMF44L CONT VENT DRAIN TANK OUTLED LOW
A1464	1.50E+01 CPM	EMF44H CONT VENT DRAIN TANK OUTLED HIGH
A1428	1.35E+02 CPM	EMF45A (L) NUCLEAR SERVICE WATER TRN A LOW
A1470	1.00E+01 CPM	EMF45A (H) NUCLEAR SERVICE WATER TRN A HIGH
A1434	1.00E+02 CPM	EMF45B (L) NUCLEAR SERVICE WATER TRN B LOW
A1476	1.00E+01 CPM	EMF45B (H) NUCLEAR SERVICE WATER TRN B HIGH
A1440	2.35E+03 CPM	EMF46A COMPONENT COOLING WATER TRN A
A1446	1.60E+04 CPM	EMF46B COMPONENT COOLING WATER TRN B
A1452	1.12E+04 CPM	EMF47 BORON RECYCLE EVAPORATOR CONDENSER
A0061	2.50E+05 CPM	EMF48 REACTOR COOLANT MONITOR
A0036	1.34E+04 CPM	EMF49L WASTE LIQUID DISCHARGE
A0042	1.50E+01 CPM	EMF49H WASTE LIQUID DISCHARGE
A0037	2.06E+02 CPM	EMF50L WASTE GAS DISCHARGE MONITOR
A0043	1.00E+01 CPM	EMF50H WASTE GAS DISCHARGE MONITOR
A1458	3.50E+02 CPM	EMF52 CLEAN AREA FLOOR DRAIN DISCHARGE
A1306	2.00E+00 R/HR	EMF53A CONT HIGH RANGE MON TRN A

TIME

23:00

Display Group 138

A1314	2.10E+00 R/HR	EMF53B CONT HIGH RANGE MON TRN B
A1315	2.78E+00 R/HR	EMF54 UNIT VENT EXTENDED RANGE MONIROT
A0918	7.30E+01 CPM	EMF55A TSC AIR INTAKE MONITOR
A0924	3.26E+01 CPM	EMF55B TSC AIR INTAKE MONITOR

TIME

Display Group 135

A0720	2.20E-01 MR/HR	EMF1 AUX BUILDING CORRIDOR EL 522
A0726	2.00E+00 MR/HR	EMF2 SAMPLE ROOM - UNIT 1
A0732	2.50E-01 MR/HR	EMF3 CHARGING PUMP AREA
A0738	1.00E-01 MR/HR	EMF5 LIQUID WASTE CONTROL AREA
A1344	1.80E-01 MR/HR	EMF6 WASTE GAS AND SPENT RESIN AREA
A1350	3.27E+00 MR/HR	EMF7 AUX BUILDING CORRIDOR EL 560
A1356	1.00E-01 MR/HR	EMF9 AUX BUILDING FILTER HATCH AREA
A0067	5.30E+00 MR/HR	EMF11 INCORE INSTRUMENT ROOM - UNIT 1
A0084	1.00E-01 MR/HR	EMF12 CONTROL ROOM MONITOR
A1362	1.00E-01 MR/HR	EMF13 HOT MACHINE SHOP
A0072	1.00E+00 MR/HR	EMF14 HOT CHEMISTRY LAB ELEVATION 609
A0090	1.50E-01 MR/HR	EMF15 SPENT FUEL BLDG - REFUELING BRIDGE
A1368	1.80E+00 MR/HR	EMF18 WASTE SHIPPING AREA
A0078	9.10E+00 MR/HR	EMF17 REFUELING BRIDGE / REACTOR BUILDING
A1374	7.40E+01 R/HR	EMF18 REACTOR COOLANT FILTER A
A1380	7.35E-01 R/HR	EMF19 REACTOR COOLANT FILTER B
A1386	1.08E-01 MR/HR	EMF20 NEW FUEL STORAGE A
A1392	1.17E-01 MR/HR	EMF21 NEW FUEL STORAGE B
A1398	1.17E-01 MR/HR	EMF22 REACTOR BLDG FILTER ROOM - UNIT 1
P1822	1.68E+01 CPM	EMF37 DELTA COUNTS LAST 15 MINUTES

TIME

23.15

Display Group 136

A0912	1.00E-01 MR/HR	EMF24 TSC MONITOR
A1008	9.98E-03 R/HR	EMF26 STEAMLINE A RAD MONITOR
A1014	9.98E-03 R/HR	EMF27 STEAMLINE B RAD MONITOR
A1020	9.96E-03 R/HR	EMF27 STEAMLINE C RAD MONITOR
A1026	9.96E-03 R/HR	EMF29 STEAMLINE D RAD MONITOR
A1404	2.40E+02 CPM	EMF31 TURBINE BUILDING SUMP
A1410	6.50E+01 CPM	EMF33 COND AIR EJECTOR EXHAUSE
A1416X	1.30E+06 CPM	EMF34L STEAM GEN WATER SAMPLE
A0930	9.89E+03 CPM	EMF34H STEAM GENERATOR WATER SAMPLE HIGH
A0012	1.02E+02 CPM	EMF35L UNIT VENT PARTICULATE
A0018	2.10E+01 CPM	EMF35H UNIT VENT PARTICULATE
A0013	9.50E+01 CPM	EMF36L UNIT VENT GAS MONITOR
A0019	1.50E+01 CPM	EMF36H UNIT VENT GAS MONITOR
A0048	1.68E+01 CPM	EMF37 UNIT VENT IODINE MONITOR
A0024	1.50E+03 CPM	EMF38L CONTAINMENT AIR PARTICULATE
A0030	1.10E+01 CPM	EMF38H CONTAINMENT AIR PARTICULATE
A0025	3.89E+03 CPM	EMF39L CONTAINMENT GAS MONITOR
A0031	1.74E+01 CPM	EMF39H CONTAINMENT GAS MONITOR
A0054	6.00E+02 CPM	EMF40 CONTAINMENT IODINE MONITOR

TIME

23:15

Display Group 137

A0080	4.40E+01 CPM	EMF41 AUXILIARY BUILDING VENTILATION
A0068	3.00E+01 CPM	EMF42 FUEL BUILDING VENTILATION MONITOR
A0049	2.67E+01 CPM	EMF43A CONTROL ROOM AIR INTAKE LOCATION A
A0055	2.90E+01 CPM	EMF43B CONTROL ROOM AIR INTAKE LOCATION B
A1422	4.50E+03 CPM	EMF44L CONT VENT DRAIN TANK OUTLED LOW
A1464	1.50E+01 CPM	EMF44H CONT VENT DRAIN TANK OUTLED HIGH
A1428	1.35E+02 CPM	EMF45A (L) NUCLEAR SERVICE WATER TRN A LOW
A1470	1.00E+01 CPM	EMF45A (H) NUCLEAR SERVICE WATER TRN A HIGH
A1434	1.00E+02 CPM	EMF45B (L) NUCLEAR SERVICE WATER TRN B LOW
A1476	1.00E+01 CPM	EMF45B (H) NUCLEAR SERVICE WATER TRN B HIGH
A1440	2.35E+03 CPM	EMF46A COMPONENT COOLING WATER TRN A
A1446	1.60E+04 CPM	EMF46B COMPONENT COOLING WATER TRN B
A1452	1.12E+04 CPM	EMF47 BORON RECYCLE EVAPORATOR CONDENSER
A0061	2.50E+05 CPM	EMF48 REACTOR COOLANT MONITOR
A0036	1.34E+04 CPM	EMF49L WASTE LIQUID DISCHARGE
A0042	1.50E+01 CPM	EMF49H WASTE LIQUID DISCHARGE
A0037	2.08E+02 CPM	EMF50L WASTE GAS DISCHARGE MONITOR
A0043	1.00E+01 CPM	EMF50H WASTE GAS DISCHARGE MONITOR
A1458	3.50E+02 CPM	EMF52 CLEAN AREA FLOOR DRAIN DISCHARGE
A1308	2.00E+00 R/HR	EMF53A CONT HIGH RANGE MON TRN A

TIME

23:15

Display Group 138

A1314	2.10E+00 R/HR	EMF53B CONT HIGH RANGE MON TRN B
A1315	2.76E+00 R/HR	EMF54 UNIT VENT EXTENDED RANGE MONIROT
A0918	7.30E+01 CPM	EMF55A TSC AIR INTAKE MONITOR
A0924	3.27E+01 CPM	EMF55B TSC AIR INTAKE MONITOR

TIME

Display Group 135

A0720	2.20E-01 MR/HR	EMF1 AUX BUILDING CORRIDOR EL 522
A0726	2.00E+00 MR/HR	EMF2 SAMPLE ROOM - UNIT 1
A0732	2.50E-01 MR/HR	EMF3 CHARGING PUMP AREA
A0738	1.00E-01 MR/HR	EMF5 LIQUID WASTE CONTROL AREA
A1344	1.80E-01 MR/HR	EMF8 WASTE GAS AND SPENT RESIN AREA
A1350	3.27E+00 MR/HR	EMF7 AUX BUILDING CORRIDOR EL 560
A1356	1.00E-01 MR/HR	EMF9 AUX BUILDING FILTER HATCH AREA
A0067	5.30E+00 MR/HR	EMF11 INCORE INSTRUMENT ROOM - UNIT 1
A0084	1.00E-01 MR/HR	EMF12 CONTROL ROOM MONITOR
A1362	1.00E-01 MR/HR	EMF13 HOT MACHINE SHOP
A0072	1.00E+00 MR/HR	EMF14 HOT CHEMISTRY LAB ELEVATION 609
A0090	1.50E-01 MR/HR	EMF15 SPENT FUEL BLDG - REFUELING BRIDGE
A1368	1.80E+00 MR/HR	EMF16 WASTE SHIPPING AREA
A0078	9.00E+00 MR/HR	EMF17 REFUELING BRIDGE / REACTOR B BLDG
A1374	9.84E+01 R/HR	EMF18 REACTOR COOLANT FILTER A
A1380	8.32E-01 R/HR	EMF19 REACTOR COOLANT FILTER B
A1386	1.07E-01 MR/HR	EMF20 NEW FUEL STORAGE A
A1392	1.18E-01 MR/HR	EMF21 NEW FUEL STORAGE B
A1398	1.18E-01 MR/HR	EMF22 REACTOR BLDG FILTER ROOM - UNIT 1
P1822	1.68E+01 CPM	EMF37 DELTA COUNTS LAST 15 MINUTES

TIME

23:30

Display Group 136

A0912	1.00E-01 MR/HR	EMF24 TSC MONITOR
A1008	9.96E-03 R/HR	EMF26 STEAMLINE A RAD MONITOR
A1014	9.96E-03 R/HR	EMF27 STEAMLINE B RAD MONITOR
A1020	9.96E-03 R/HR	EMF27 STEAMLINE C RAD MONITOR
A1028	9.96E-03 R/HR	EMF29 STEAMLINE D RAD MONITOR
A1404	2.40E+02 CPM	EMF31 TURBINE BUILDING SUMP
A1410	6.50E+01 CPM	EMF33 COND AIR EJECTOR EXHAUSE
A1416X	1.30E+06 CPM	EMF34L STEAM GEN WATER SAMPLE
A0930	9.69E+03 CPM	EMF34H STEAM GENERATOR WATER SAMPLE HIGH
A0012	1.02E+02 CPM	EMF35L UNIT VENT PARTICULATE
A0018	2.10E+01 CPM	EMF35H UNIT VENT PARTICULATE
A0013	9.50E+01 CPM	EMF36L UNIT VENT GAS MONITOR
A0019	1.50E+01 CPM	EMF36H UNIT VENT GAS MONITOR
A0048	1.68E+01 CPM	EMF37 UNIT VENT IODINE MONITOR
A0024	1.50E+03 CPM	EMF38L CONTAINMENT AIR PARTICULATE
A0030	1.10E+01 CPM	EMF38H CONTAINMENT AIR PARTICULATE
A0025	3.94E+03 CPM	EMF39L CONTAINMENT GAS MONITOR
A0031	1.74E+01 CPM	EMF39H CONTAINMENT GAS MONITOR
A0054	6.00E+02 CPM	EMF40 CONTAINMENT IODINE MONITOR

TIME

23:30

Display Group 137

A0060	4.40E+01 CPM	EMF41 AUXILIARY BUILDING VENTILATION
A0066	3.00E+01 CPM	EMF42 FUEL BUILDING VENTILATION MONITOR
A0049	2.70E+01 CPM	EMF43A CONTROL ROOM AIR INTAKE LOCATION A
A0055	2.93E+01 CPM	EMF43B CONTROL ROOM AIR INTAKE LOCATION B
A1422	4.50E+03 CPM	EMF44L CONT VENT DRAIN TANK OUTLED LOW
A1464	1.50E+01 CPM	EMF44H CONT VENT DRAIN TANK OUTLED HIGH
A1428	1.35E+02 CPM	EMF45A (L) NUCLEAR SERVICE WATER TRN A LOW
A1470	1.00E+01 CPM	EMF45A (H) NUCLEAR SERVICE WATER TRN A HIGH
A1434	1.00E+02 CPM	EMF45B (L) NUCLEAR SERVICE WATER TRN B LOW
A1476	1.00E+01 CPM	EMF45B (H) NUCLEAR SERVICE WATER TRN B HIGH
A1440	2.35E+03 CPM	EMF46A COMPONENT COOLING WATER TRN A
A1446	1.60E+04 CPM	EMF46B COMPONENT COOLING WATER TRN B
A1452	1.12E+04 CPM	EMF47 BORON RECYCLE EVAPORATOR CONDENSER
A0081	2.50E+05 CPM	EMF48 REACTOR COOLANT MONITOR
A0036	1.34E+04 CPM	EMF49L WASTE LIQUID DISCHARGE
A0042	1.50E+01 CPM	EMF49H WASTE LIQUID DISCHARGE
A0037	2.08E+02 CPM	EMF50L WASTE GAS DISCHARGE MONITOR
A0043	1.00E+01 CPM	EMF50H WASTE GAS DISCHARGE MONITOR
A1458	3.50E+02 CPM	EMF52 CLEAN AREA FLOOR DRAIN DISCHARGE
A1308	2.00E+00 R/HR	EMF53A CONT HIGH RANGE MON TRN A

TIME

23:30

Display Group 138

A1314	2.10E+00 R/HR	EMF53B CONT HIGH RANGE MON TRN B
A1315	2.76E+00 R/HR	EMF54 UNIT VENT EXTENDED RANGE MONIROT
A0918	7.30E+01 CPM	EMF55A TSC AIR INTAKE MONITOR
A0924	3.28E+01 CPM	EMF55B TSC AIR INTAKE MONITOR

TIME

Display Group 135

A0720	2.20E-01 MR/HR	EMF1 AUX BUILDING CORRIDOR EL 522
A0728	2.00E+00 MR/HR	EMF2 SAMPLE ROOM - UNIT 1
A0732	2.50E-01 MR/HR	EMF3 CHARGING PUMP AREA
A0738	1.00E-01 MR/HR	EMF5 LIQUID WASTE CONTROL AREA
A1344	1.80E-01 MR/HR	EMF6 WASTE GAS AND SPENT RESIN AREA
A1350	3.27E+00 MR/HR	EMF7 AUX BUILDING CORRIDOR EL 560
A1356	1.00E-01 MR/HR	EMF9 AUX BUILDING FILTER HATCH AREA
A0067	5.30E+00 MR/HR	EMF11 INCORE INSTRUMENT ROOM - UNIT 1
A0084	1.00E-01 MR/HR	EMF12 CONTROL ROOM MONITOR
A1362	1.00E-01 MR/HR	EMF13 HOT MACHINE SHOP
A0072	1.00E+00 MR/HR	EMF14 HOT CHEMISTRY LAB ELEVATION 809
A0090	1.50E-01 MR/HR	EMF15 SPENT FUEL BLDG - REFUELING BRIDGE
A1368	1.80E+00 MR/HR	EMF16 WASTE SHIPPING AREA
A0078	9.00E+00 MR/HR	EMF17 REFUELING BRIDGE / REACTOR BUILDING
A1374	1.31E+02 R/HR	EMF18 REACTOR COOLANT FILTER A
A1380	9.43E-01 R/HR	EMF19 REACTOR COOLANT FILTER B
A1386	1.08E-01 MR/HR	EMF20 NEW FUEL STORAGE A
A1392	1.20E-01 MR/HR	EMF21 NEW FUEL STORAGE B
A1398	1.20E-01 MR/HR	EMF22 REACTOR BLDG FILTER ROOM - UNIT 1
P1822	1.68E+01 CPM	EMF37 DELTA COUNTS LAST 15 MINUTES

TIME

23:45

Display Group 136

A0912	1.00E-01 MR/HR	EMF24 TSC MONITOR
A1008	9.96E-03 R/HR	EMF26 STEAMLINE A RAD MONITOR
A1014	9.96E-03 R/HR	EMF27 STEAMLINE B RAD MONITOR
A1020	9.96E-03 R/HR	EMF27 STEAMLINE C RAD MONITOR
A1026	9.96E-03 R/HR	EMF29 STEAMLINE D RAD MONITOR
A1404	2.40E+02 CPM	EMF31 TURBINE BUILDING SUMP
A1410	6.50E+01 CPM	EMF33 COND AIR EJECTOR EXHAUSE
A1416X	1.30E+06 CPM	EMF34L STEAM GEN WATER SAMPLE
A0930	9.89E+03 CPM	EMF34H STEAM GENERATOR WATER SAMPLE HIGH
A0012	1.02E+02 CPM	EMF35L UNIT VENT PARTICULATE
A0018	2.10E+01 CPM	EMF35H UNIT VENT PARTICULATE
A0013	9.50E+01 CPM	EMF36L UNIT VENT GAS MONITOR
A0019	1.50E+01 CPM	EMF36H UNIT VENT GAS MONITOR
A0048	1.68E+01 CPM	EMF37 UNIT VENT IODINE MONITOR
A0024	1.50E+03 CPM	EMF38L CONTAINMENT AIR PARTICULATE
A0030	1.10E+01 CPM	EMF38H CONTAINMENT AIR PARTICULATE
A0025	4.05E+03 CPM	EMF39L CONTAINMENT GAS MONITOR
A0031	1.74E+01 CPM	EMF39H CONTAINMENT GAS MONITOR
A0054	6.00E+02 CPM	EMF40 CONTAINMENT IODINE MONITOR

TIME

23:45

Display Group 137

A0080	4.40E+01 CPM	EMF41 AUXILIARY BUILDING VENTILATION
A0088	3.00E+01 CPM	EMF42 FUEL BUILDING VENTILATION MONITOR
A0049	2.72E+01 CPM	EMF43A CONTROL ROOM AIR INTAKE LOCATION A
A0055	2.96E+01 CPM	EMF43B CONTROL ROOM AIR INTAKE LOCATION B
A1422	4.50E+03 CPM	EMF44L CONT VENT DRAIN TANK OUTLED LOW
A1464	1.50E+01 CPM	EMF44H CONT VENT DRAIN TANK OUTLED HIGH
A1428	1.35E+02 CPM	EMF45A (L) NUCLEAR SERVICE WATER TRN A LOW
A1470	1.00E+01 CPM	EMF45A (H) NUCLEAR SERVICE WATER TRN A HIGH
A1434	1.00E+02 CPM	EMF45B (L) NUCLEAR SERVICE WATER TRN B LOW
A1476	1.00E+01 CPM	EMF45B (H) NUCLEAR SERVICE WATER TRN B HIGH
A1440	2.35E+03 CPM	EMF46A COMPONENT COOLING WATER TRN A
A1448	1.60E+04 CPM	EMF46B COMPONENT COOLING WATER TRN B
A1452	1.12E+04 CPM	EMF47 BORON RECYCLE EVAPORATOR CONDENSER
A0081	2.50E+05 CPM	EMF48 REACTOR COOLANT MONITOR
A0036	1.34E+04 CPM	EMF49L WASTE LIQUID DISCHARGE
A0042	1.50E+01 CPM	EMF49H WASTE LIQUID DISCHARGE
A0037	2.08E+02 CPM	EMF50L WASTE GAS DISCHARGE MONITOR
A0043	1.00E+01 CPM	EMF50H WASTE GAS DISCHARGE MONITOR
A1458	3.50E+02 CPM	EMF52 CLEAN AREA FLOOR DRAIN DISCHARGE
A1308	2.00E+00 R/HR	EMF53A CONT HIGH RANGE MON TRN A

TIME

23:45

Display Group 138

A1314	2.10E+00 R/HR	EMF53B CONT HIGH RANGE MON TRN B
A1315	2.76E+00 R/HR	EMF54 UNIT VENT EXTENDED RANGE MONIROT
A0918	7.30E+01 CPM	EMF55A TSC AIR INTAKE MONITOR
A0924	3.29E+01 CPM	EMF55B TSC AIR INTAKE MONITOR

TIME

Display Group 135

A0720	2.20E-01 MR/HR	EMF1 AUX BUILDING CORRIDOR EL 522
A0726	2.00E+00 MR/HR	EMF2 SAMPLE ROOM - UNIT 1
A0732	2.50E-01 MR/HR	EMF3 CHARGING PUMP AREA
A0738	1.00E-01 MR/HR	EMF5 LIQUID WASTE CONTROL AREA
A1344	1.80E-01 MR/HR	EMF8 WASTE GAS AND SPENT RESIN AREA
A1350	3.27E+00 MR/HR	EMF7 AUX BUILDING CORRIDOR EL 560
A1356	1.00E-01 MR/HR	EMF9 AUX BUILDING FILTER HATCH AREA
A0067	5.30E+00 MR/HR	EMF11 INCORE INSTRUMENT ROOM - UNIT 1
A0084	1.00E-01 MR/HR	EMF12 CONTROL ROOM MONITOR
A1382	1.00E-01 MR/HR	EMF13 HOT MACHINE SHOP
A0072	1.00E+00 MR/HR	EMF14 HOT CHEMISTRY LAB ELEVATION 609
A0090	1.50E-01 MR/HR	EMF15 SPENT FUEL BLDG - REFUELING BRIDGE
A1368	1.80E+00 MR/HR	EMF16 WASTE SHIPPING AREA
A0078	8.80E+00 MR/HR	EMF17 REFUELING BRIDGE / REACTOR BUILDING
A1374	1.74E+02 R/HR	EMF18 REACTOR COOLANT FILTER A
A1380	1.07E+00 R/HR	EMF19 REACTOR COOLANT FILTER B
A1385	1.09E-01 MR/HR	EMF20 NEW FUEL STORAGE A
A1392	1.21E-01 MR/HR	EMF21 NEW FUEL STORAGE B
A1398	1.21E-01 MR/HR	EMF22 REACTOR BLDG FILTER ROOM - UNIT 1
P1822	1.88E+01 CPM	EMF37 DELTA COUNTS LAST 15 MINUTES

TIME

0:00

Display Group 136

A0912	1.00E-01 MR/HR	EMF24 TSC MONITOR
A1008	9.96E-03 R/HR	EMF26 STEAMLINE A RAD MONITOR
A1014	9.96E-03 R/HR	EMF27 STEAMLINE B RAD MONITOR
A1020	9.96E-03 R/HR	EMF27 STEAMLINE C RAD MONITOR
A1026	9.96E-03 R/HR	EMF29 STEAMLINE D RAD MONITOR
A1404	2.40E+02 CPM	EMF31 TURBINE BUILDING SUMP
A1410	6.50E+01 CPM	EMF33 COND AIR EJECTOR EXHAUSE
A1418X	1.30E+06 CPM	EMF34L STEAM GEN WATER SAMPLE
A0930	9.89E+03 CPM	EMF34H STEAM GENERATOR WATER SAMPLE HIGH
A0012	1.02E+02 CPM	EMF35L UNIT VENT PARTICULATE
A0018	2.10E+01 CPM	EMF35H UNIT VENT PARTICULATE
A0013	9.10E+01 CPM	EMF36L UNIT VENT GAS MONITOR
A0019	1.50E+01 CPM	EMF36H UNIT VENT GAS MONITOR
A0048	1.68E+01 CPM	EMF37 UNIT VENT IODINE MONITOR
A0024	1.50E+03 CPM	EMF38L CONTAINMENT AIR PARTICULATE
A0030	1.10E+01 CPM	EMF38H CONTAINMENT AIR PARTICULATE
A0025	4.07E+03 CPM	EMF39L CONTAINMENT GAS MONITOR
A0031	1.74E+01 CPM	EMF39H CONTAINMENT GAS MONITOR
A0054	6.00E+02 CPM	EMF40 CONTAINMENT IODINE MONITOR

TIME

0:00

Display Group 137

A0060	4.40E+01 CPM	EMF41 AUXILIARY BUILDING VENTILATION
A0066	3.00E+01 CPM	EMF42 FUEL BUILDING VENTILATION MONITOR
A0049	2.75E+01 CPM	EMF43A CONTROL ROOM AIR INTAKE LOCATION A
A0055	2.99E+01 CPM	EMF43B CONTROL ROOM AIR INTAKE LOCATION B
A1422	4.50E+03 CPM	EMF44L CONT VENT DRAIN TANK OUTLED LOW
A1464	1.50E+01 CPM	EMF44H CONT VENT DRAIN TANK OUTLED HIGH
A1426	1.35E+02 CPM	EMF45A (L) NUCLEAR SERVICE WATER TRN A LOW
A1470	1.00E+01 CPM	EMF45A (H) NUCLEAR SERVICE WATER TRN A HIGH
A1434	1.00E+02 CPM	EMF45B (L) NUCLEAR SERVICE WATER TRN B LOW
A1476	1.00E+01 CPM	EMF45B (H) NUCLEAR SERVICE WATER TRN B HIGH
A1440	2.35E+03 CPM	EMF46A COMPONENT COOLING WATER TRN A
A1446	1.60E+04 CPM	EMF46B COMPONENT COOLING WATER TRN B
A1452	1.12E+04 CPM	EMF47 BORON RECYCLE EVAPORATOR CONDENSER
A0061	2.50E+05 CPM	EMF48 REACTOR COOLANT MONITOR
A0036	1.34E+04 CPM	EMF49L WASTE LIQUID DISCHARGE
A0042	1.50E+01 CPM	EMF49H WASTE LIQUID DISCHARGE
A0037	2.08E+02 CPM	EMF50L WASTE GAS DISCHARGE MONITOR
A0043	1.00E+01 CPM	EMF50H WASTE GAS DISCHARGE MONITOR
A1458	3.50E+02 CPM	EMF52 CLEAN AREA FLOOR DRAIN DISCHARGE
A1308	2.00E+00 R/HR	EMF53A CONT HIGH RANGE MON TRN A

TIME

0:00

Display Group 138

A1314	2.10E+00 R/HR	EMF53B CONT HIGH RANGE MON TRN B
A1315	2.76E+00 R/HR	EMF54 UNIT VENT EXTENDED RANGE MONIROT
A0918	7.30E+01 CPM	EMF55A TSC AIR INTAKE MONITOR
A0924	3.30E+01 CPM	EMF55B TSC AIR INTAKE MONITOR

Drill use Only

RWP #: 15
Elev.: 577'
Unit: SHARED

CATAWBA NUCLEAR STATION SPECIAL SURVEY DATA SHEET

Page 1 of 2

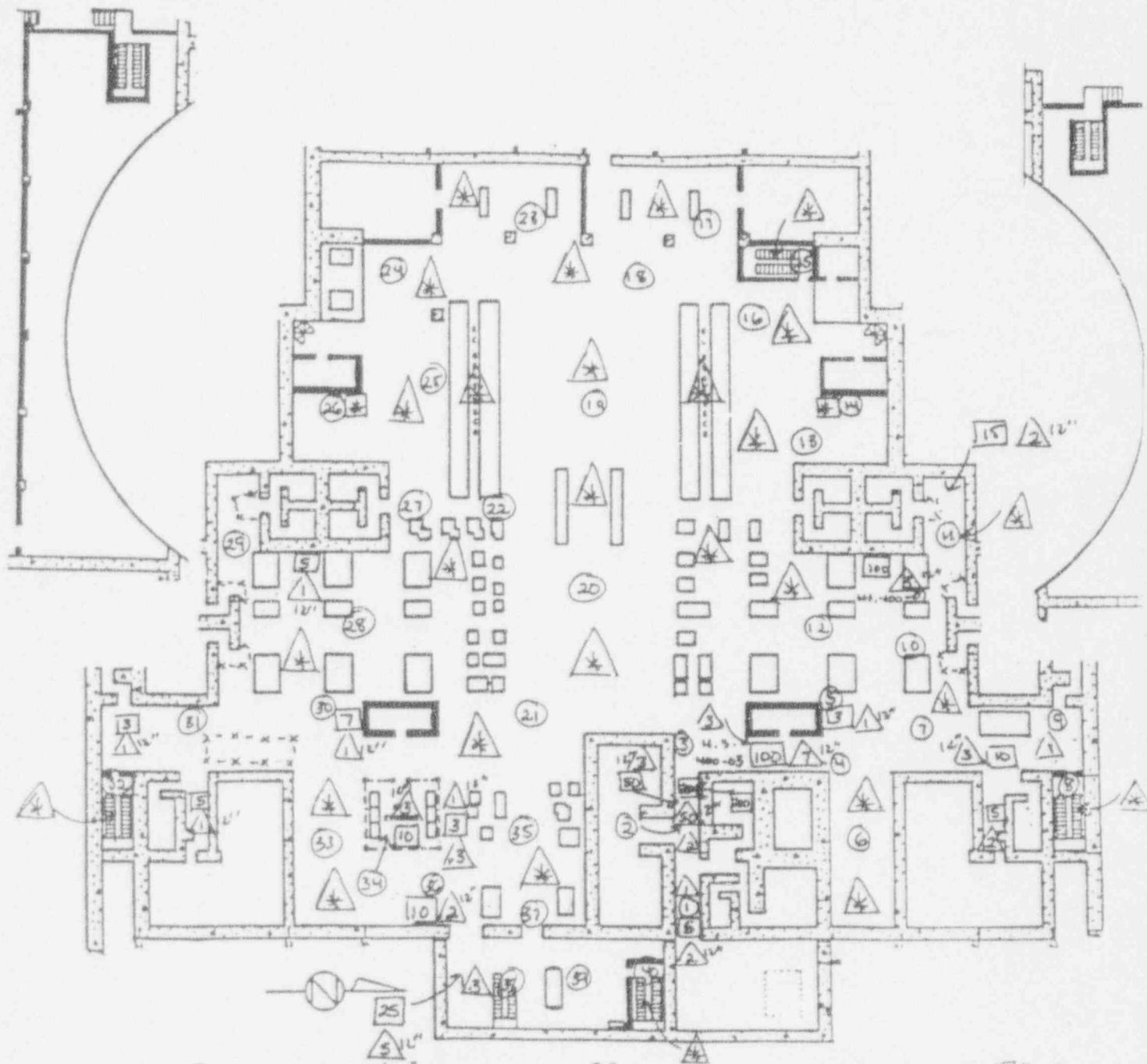
For Information Only

Performed By: _____ Date/Time: 4-20-93 / 0420

Inst. Model/No: 012B / 3139 Area: CORRIDORS

For Information Only

Job Description: Routine / Bi-Weekly Reviewed By: _____



Highest GA *: 50 Highest Contact *: 200 Highest cpm/100 cm²: 170 by _____

* Radiation reading in mrem/hour unless otherwise denoted

- Legend:
- LEWA = Low Exposure Waiting Area
 - HS = Hot Spot Location
 - x-x-x- = PCZ Boundary
 - Δ = General Area*
 - = Contact*
 - = Smear Location
 - ★ = Air Sample Location

Additional Information: Submitted for supervisory approval. [Symbol] + [Symbol] = 0-.1 mRem/h

Drill use Only

577' Corridors

CATAWBA NUCLEAR STATION
SPECIAL SURVEY DATA SHEET
SMEAR SURVEY RESULTS

Page 2 of 2

Performed ~~Information Only~~ Date/Time: 4-20-93 / 0420 By Counter Model#: APC-1120
Counted ~~Information Only~~ Date/Time: 4-20-93 / 0540 a Counter Model#: SAC-4/3133

Smear #	dpm/100 cm ²		Smear #	dpm/100 cm ²	
	a	B _γ		a	B _γ
1		121	26	0	0
2		0	27		0
3		24	28		121
4		24	29		48
5	0	0	30	0	12
6		121	31		0
7		0	32		12
8		0	33		24
9		97	34		61
10		36	35		170
11		61	36		12
12		97	37		24
13		0	38		0
14	0	0	39		36
15		0	40		61
16		0	41		
17		36	42		
18		48	43		
19		0	44		
20		24	45		
21		48	46		
22		12	47		
23		61	48		
24		12	49		
25		0	50		

NOTE: If sample size is anything other than 100 cm² NOTE in Remarks Section.

AIR SAMPLE FRISKER SCREEN RESULTS

Inst. Model/#: _____ / _____ Bkg: _____ Air Sample ID#: _____
 Cal. Due Date: _____ Start/Stop Time: _____ / _____
 Volume: _____
 Readings: Filter: _____ ccpm Cartridge: _____ ccpm

REMARKS: None

Drill Use Only

RWP #: 93-15
 Elev.: 543'
 : 1

CATAWBA NUCLEAR STATION
 SPECIAL SURVEY DATA SHEET

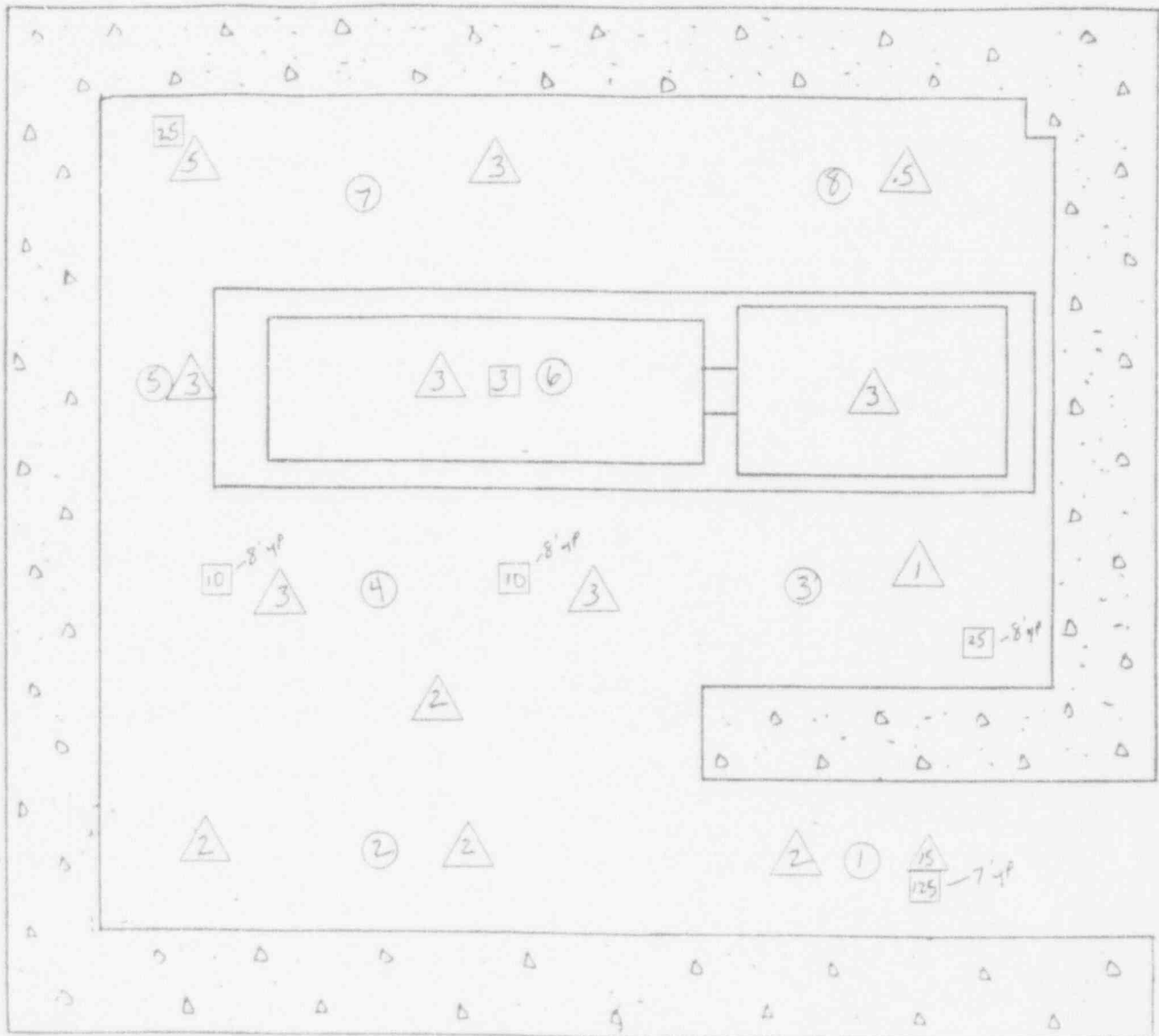
Page 1 of 2

Performed By: Information Only Time: 4-4-93 0310

Inst. Model#: 611261 3524 Area: 234

Job Description: ROUTINE SURVEY Reviewed By: Information Only

SAFETY INJECTION PUMP-1B



Highest GA *: 15 Highest Contact *: 125 Highest dpm/100 cm²: 97 By 2/A
 * Radiation reading in mrem/hour unless otherwise denoted

- Legend:
- LEWA = Low Exposure Waiting Area
 - HS = Hot Spot Location
 - x-x-x- = RCZ Boundary
 - Δ = General Area* (≥ 18")
 - = Contact *
 - = Smear Location
 - ★ = Air Sample Location

Additional Information: NONE

Drill Use Only

Rm 234

CATAWBA NUCLEAR STATION SPECIAL SURVEY DATA SHEET SMEAR SURVEY RESULTS

Page 2 of 2

Performed By: Information Only

Date/Time: 7-4-93

By Counter Model/#: D310

APC/1120-CE

Counted By: Information Only

Date/Time: 4-4-93

By Counter Model/#: 0435

N/A

Smear #	dpm/100 cm ²		Smear #	dpm/100 cm ²	
	a	By		a	By
1		61	26		
2		0	27		
3		48	28		
4		97	29		
5		12	30		
6		0	31		
7		170	32		
8		73	33		
9			34		
10			35		
11			36		
12			37		
13			38		
14			39		
15			40		
16			41		
17			42		
18			43		
19			44		
20			45		
21			46		
22			47		
23			48		
24			49		
25			50		

NOTE: If sample size is anything other than 100 cm² NOTE in Remarks Section.

AIR SAMPLE FRISKER SCREEN RESULTS

Inst. Model/#: N/A

Bkg: _____

Air Sample ID#: _____

Cal. Due Date: _____

Start/Stop Time: _____

Volume: _____

Readings: _____

Filter: _____

ccpm

Cartridge: _____

ccpm

REMARKS: NONE

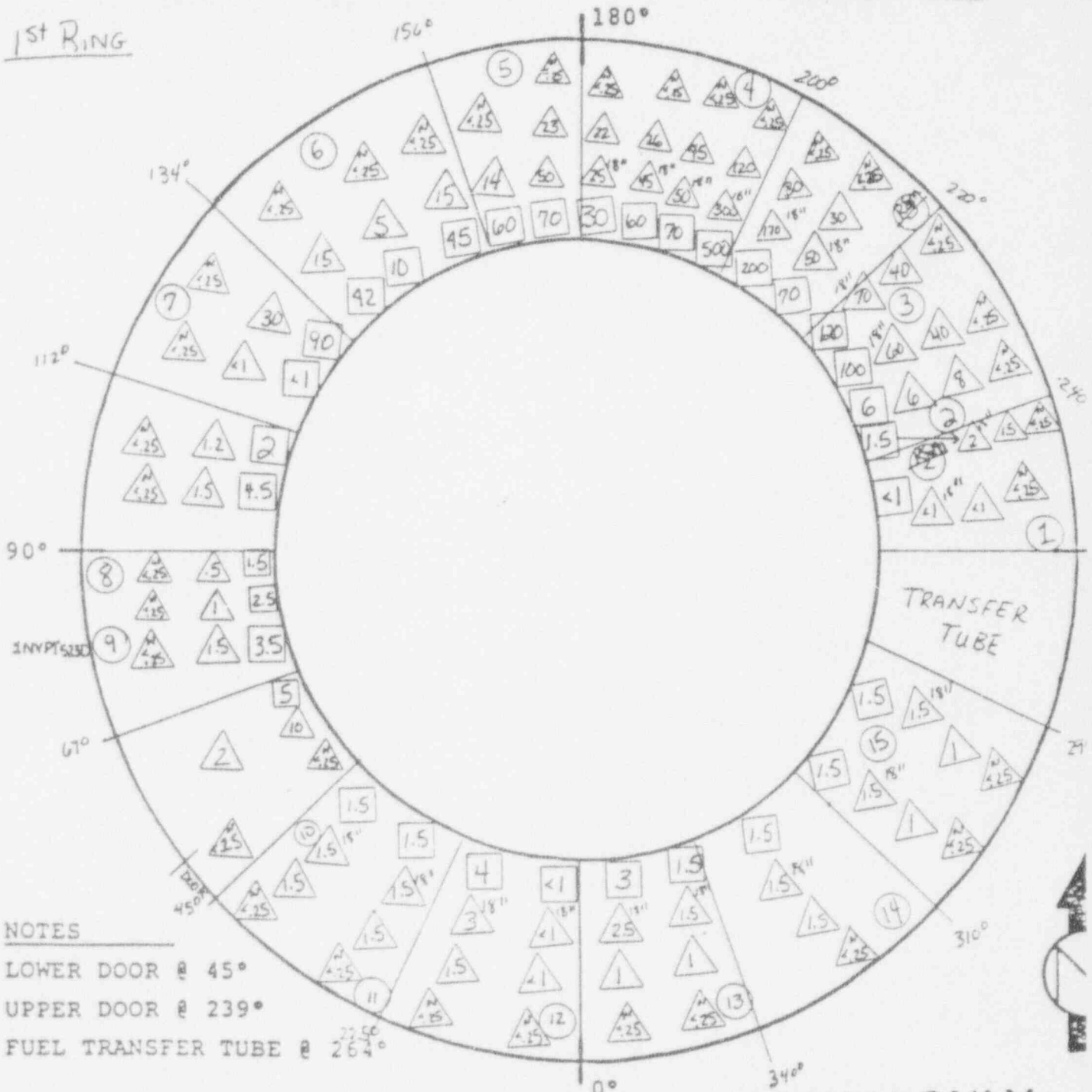
Drill Use Only

CATAWBA NUCLEAR STATION
SPECIAL SURVEY DATA SHEET

RWP/SRWP

Performed By: For Information Only Date: 11/6/92 Time: 1445 Rm. #: 371 - ANNU
Elevation: 552 Unit: 1 Operation: Survey of Elev. 563' 552
Type of Survey: C+I Instrument Type/Number: RS05# 3981/ESP1# 350
Plant Status: Unit 1: M-1 Unit 2: M-1 Reviewed By: For Information Only

1st RING



NOTES

- LOWER DOOR @ 45°
- UPPER DOOR @ 239°
- FUEL TRANSFER TUBE @ 264°

△ = General Area* □ = Contact*
* Radiation reading in mrem/hour

FOR INFORMATION ONLY

Highest GA* <.25N / 300 Highest Contact* 500 Highest DPM/100 cm² 13,490

✓ as appropriate:
 Smear Results on Reverse Side: Signs, Planviews Updated: Air Sample Taker Attac
 Routine Logbook Signed: RCZ Log Updated: Vax Entry Made: _____

CATAWBA NUCLEAR STATION SPECIAL SURVEY DATA SHEET SMEAR SURVEY RESULTS

Performed By: Information Date: 4-6-92 Time: 1445
 Counted By: _____ Date/Time Counted: 4-6-92 1600
 Time of Count (circle one): (.5 min) (1 min) (Other 2 mins)
 By Counter Type/No.: APC 1117 Bkg = 23 CPM Eff. Factor = 6.45
 Alpha Counter Type/No.: Alpha 1283 Bkg = 0 CPM Eff. Factor = 4.80

Smear Number	Sample Size*	βγ			α		
		Total Count	CCPM (CPM-Bkg)	dpm/100cm ²	Total Count	CCPM (CPM-Bkg)	dpm/100cm ²
1		16	9	< 500	1	.5	< 20
2		1057	2091	13490			
3		25	27	< 500			
4		18	13				
5		19	15				
6		32	41				
7		22	21				
8		12	1	< 500			
9		204	385	2484			
10		21	19	< 500			
11		13	3				
12		17	11				
13		42	61	< 500			
14		35	47	< 500			
15		86	149	961			
16							
17							
18							
19							
20							
21							
22							
23							
24						NA	
25							
26							
27							
28						NA	
29							
30							
31							
32							
33							
34							
35							

*Enter Sample Size only when size is other than 100cm²

Remarks: None

Additional Sheets Attached

RWP #: 15
Elev.: 543'
Unit: 1

CATAWBA NUCLEAR STATION
SPECIAL SURVEY DATA SHEET

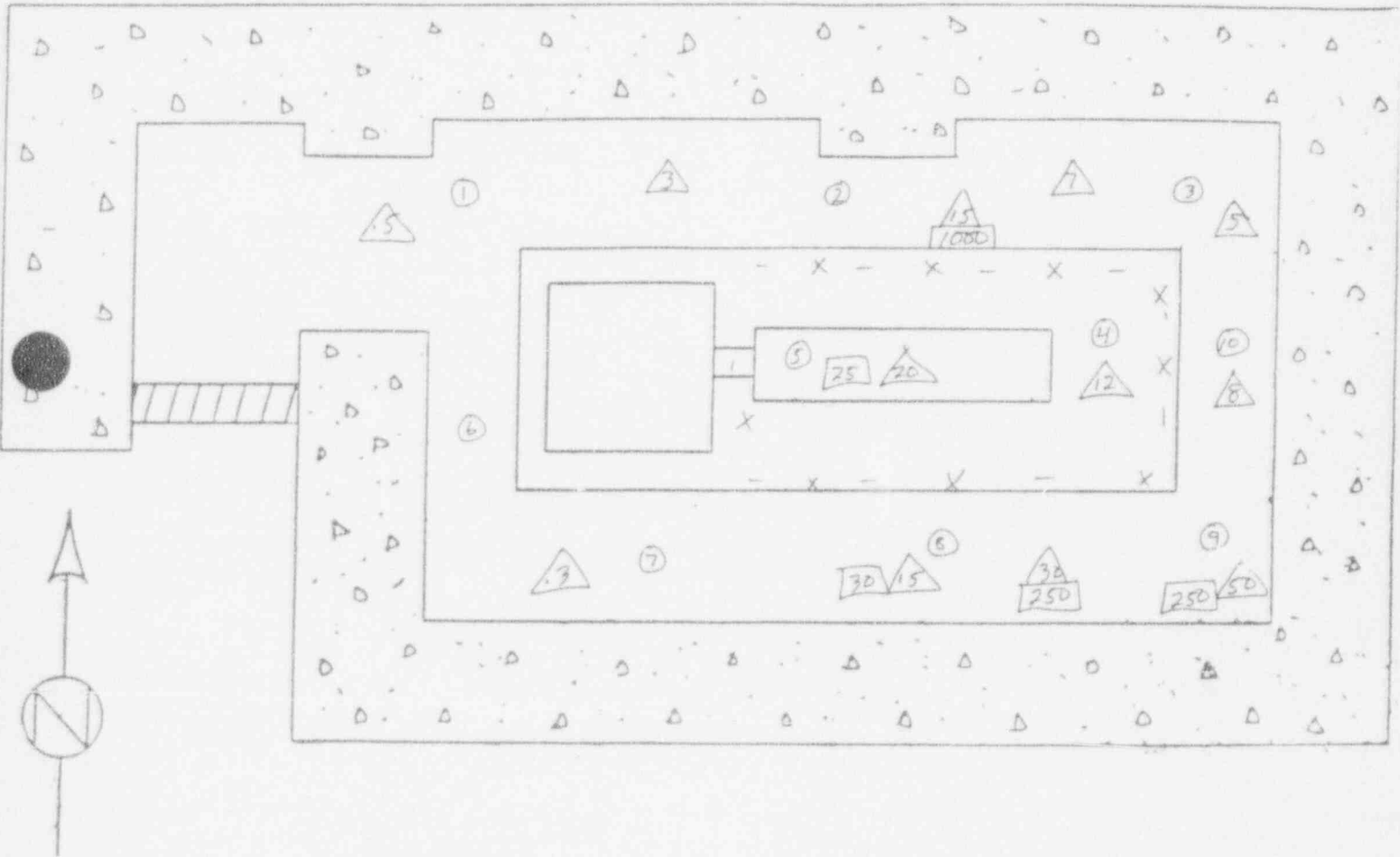
Page 1 of 2

Performed By: [Redacted] Date/Time: 4-7-93 10230

Inst. Model/#: 6112 B 7 3181 Area: 231

Job Description: routine / monthly Reviewed By: [Redacted]

CENTRIFUGAL CHARGING PUMP 1B



Highest GA *: 50 Highest Contact *: 1000 Highest dpm/100 cm²: 400 By [Signature]
* Radiation reading in mrem/hour unless otherwise denoted

Legend:
LEWA = Low Exposure Waiting Area HS = Hot Spot Location -x-x-x- = RCZ Boundary
△ = General Area* (≥ 18") □ = Contact * ○ = Smear Location ★ = Air Sample Location

Additional Information: none

CATAWBA NUCLEAR STATION
SPECIAL SURVEY DATA SHEET
SMEAR SURVEY RESULTS

RM 231

Page 2 of 2

Performed By: _____
Counted By: _____

For Information Only

Date/Time: 1-7-93 0230 By Counter Model#: Tenn/1120
Date/Time: 1-7-93 0300 a Counter Model#: Tenn/1283

Smear #	dpm/100 cm ²		Smear #	dpm/100 cm ²	
	a	B _γ		a	B _γ
1		12	26		
2		60	27		
3		48	28		
4		48	29		
5	5' 0	121	30		
6		0	31		
7		157	32		
8		96	33		
9		400	34		
10		145	35		
11			36		
12			37		
13			38		
14			39		
15			40		
16			41		
17			42		
18			43		
19			44		
20			45		
21			46		
22			47		
23			48		
24			49		
25			50		

NOTE: If sample size is anything other than 100 cm² NOTE in Remarks Section.

AIR SAMPLE FRISKER SCREEN RESULTS

Inst. Model/#: NA Bkg: _____ Air Sample ID#: _____
 Cal. Due Date: _____ Start/Stop Time: _____
 Volume: _____
 Readings: Filter: _____ ccpm Cartridge: _____ ccpm

REMARKS:

none

RWP #: 15
Elev.: 543'
Unit: 1

CATAWBA NUCLEAR STATION
SPECIAL SURVEY DATA SHEET

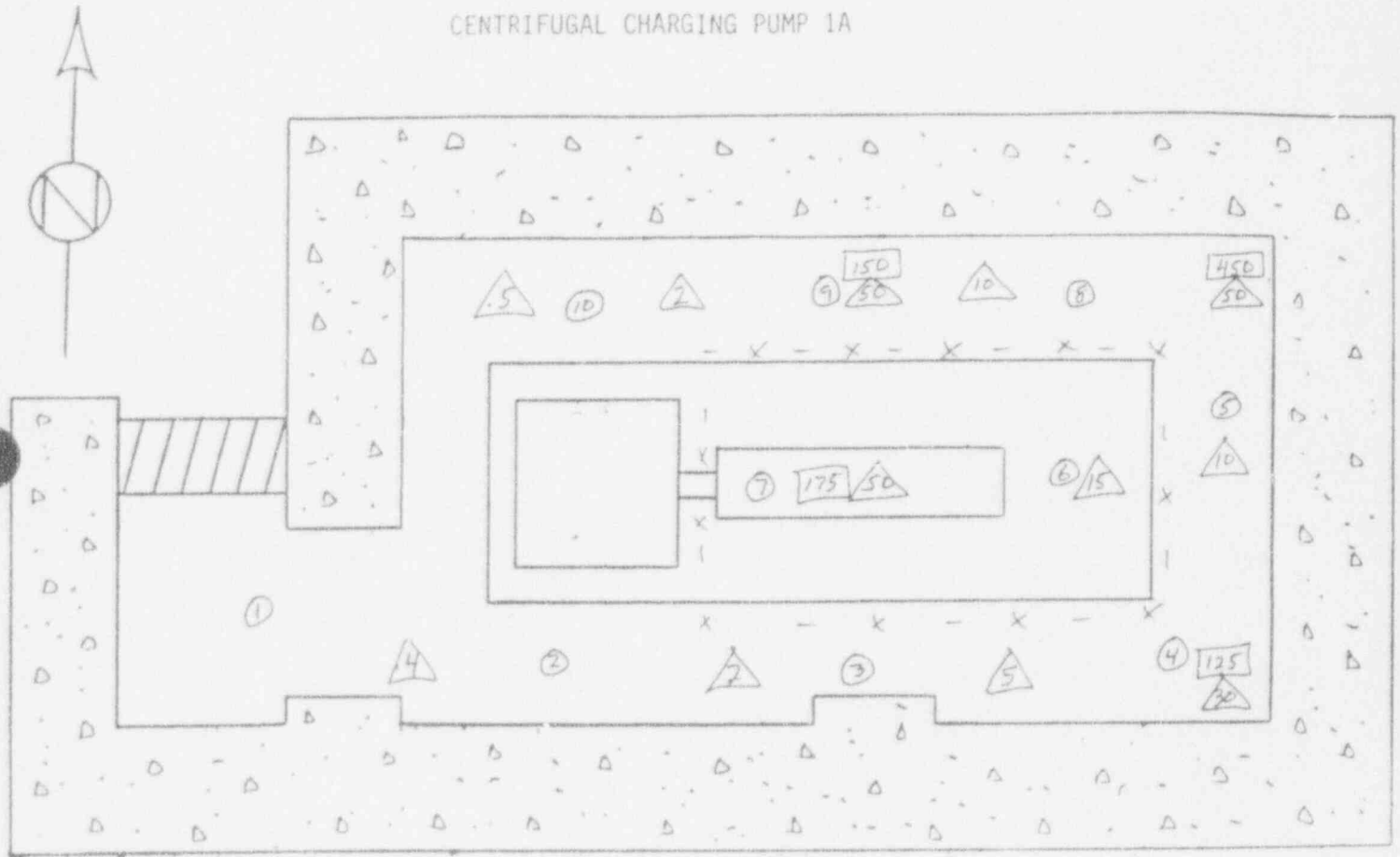
"For Information Only"

Performed By: _____
Inst. Model/#: 612 B / 3181 Area: 230
Job Description: routine / monthly

Date/Time: 4-7-93 1 0220
Reviewed By: _____

"For Information Only"

CENTRIFUGAL CHARGING PUMP 1A



Highest GA *: 50 Highest Contact *: 450 Highest dpm/100 cm²: 6569 By 0 0
* Radiation reading in mrem/hour unless otherwise denoted

- Legend:
- LEWA = Low Exposure Waiting Area
 - HS = Hot Spot Location
 - x-x-x- = RCZ Boundary
 - Δ = General Area* (≥ 18")
 - = Contact *
 - = Smear Location
 - ★ = Air Sample Location

Additional Information: none

CATAWBA NUCLEAR STATION
SPECIAL SURVEY DATA SHEET
SMEAR SURVEY RESULTS

U.S. Information Only

Performed By: _____
Counted By: _____

Date/Time: 7-93 0220 By Counter Model#: Tenn/1120
Date/Time: 4-7-93 0300 a Counter Model#: Tenn/1283

Smear #	dpm/100 cm ²		Smear #	dpm/100 cm ²	
	a	By		a	By
1		12	26		
2		60	27		
3		0	28		
4		109	29		
5		48	30		
6		84	31		
7	5 0	6569	32		
8		0	33		
9		72	34		
10		48	35		
11			36		
12			37		
13			38		
14			39		
16			40		
16			41		
17			42		
18			43		
19			44		
20			45		
21			46		
22			47		
23			48		
24			49		
25			50		

NOTE: If sample size is anything other than 100 cm² NOTE in Remarks Section.

AIR SAMPLE FRISKER SCREEN RESULTS

Inst. Model/#: NA / _____ Bkg: _____ Air Sample ID#: _____
 Cal. Due Date: _____ Start/Stop Time: _____ / _____
 Volume: _____
 Readings: Filter: _____ ccpm Cartridge: _____ ccpm

REMARKS: NOTE

RWP #: 15
Elev.: 543'
Unit: 1

CATAWBA NUCLEAR STATION
SPECIAL SURVEY DATA SHEET

Page 1 of 2

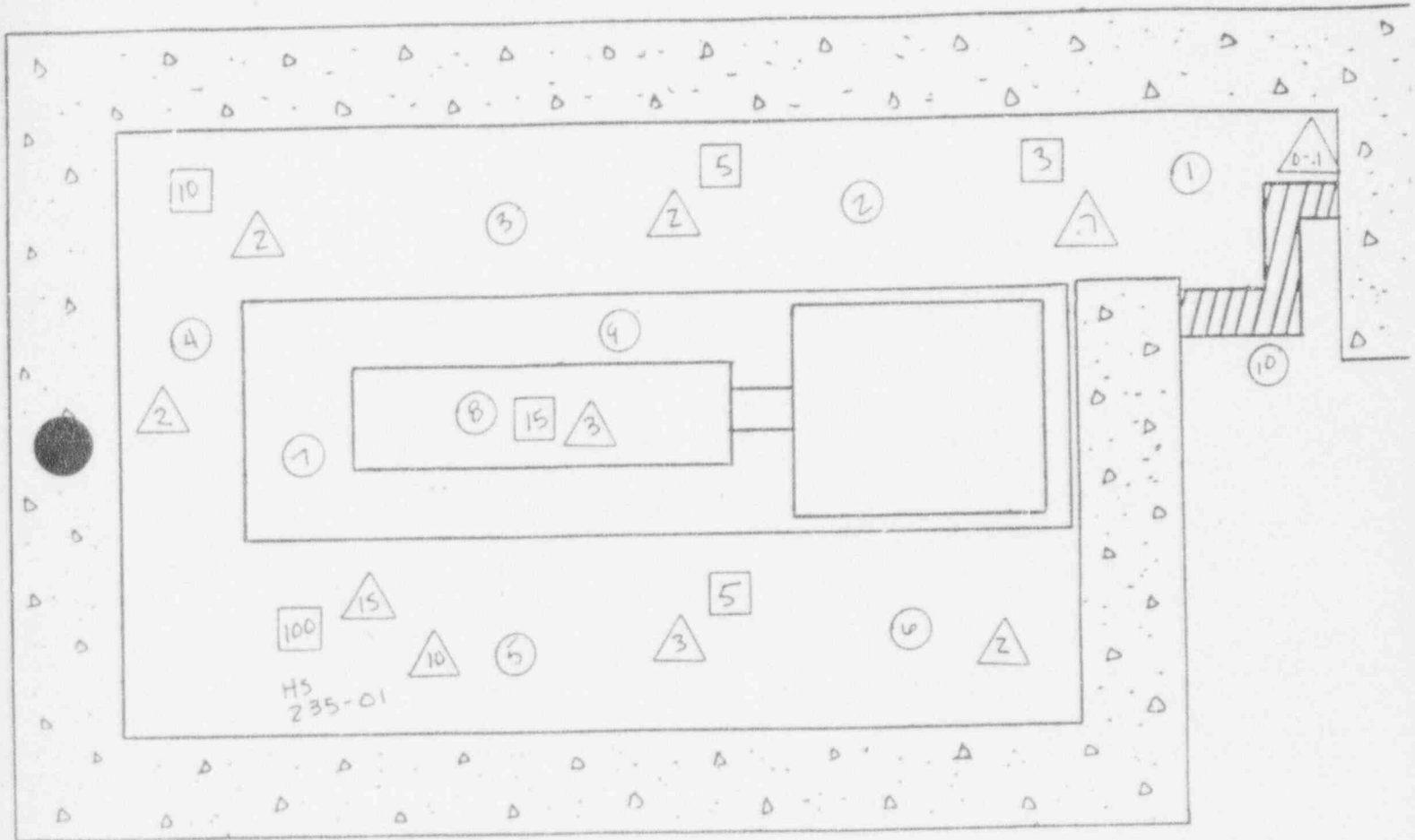
Performed By: For Information Only Date/Time: 5-4-93 / 0230

Inst. Model#: 4112 B / 3912 Area: 235

Job Description: Routine Reviewed By: _____

For Information Only

SAFETY INJECTION PUMP 1A



Highest GA *: 15 Highest Contact *: 100 Highest dpm/100 cm²: 769 By n/a
* Radiation reading in mrem/hour unless otherwise denoted

Legend:
LEWA = Low Exposure Waiting Area HS = Hot Spot Location -x-x-x- = RCZ Boundary
Δ = General Area* (≥ 18") □ = Contact * ○ = Smear Location ★ = Air Sample Location

Additional Information: None

CATAWBA NUCLEAR STATION
SPECIAL SURVEY DATA SHEET
SMEAR SURVEY RESULTS

For Information

Performed By:

Date/Time: 5-4-93 1 0230 By Counter Model#: APC/1120

Counted By:

Date/Time: 5-4-93 1 0247 a Counter Model#: N/A

Smear #	dpm/100 cm ²		Smear #	dpm/100 cm ²	
	a	By		a	By
1		90	26		
2		66	27		
3		18	28		
4		103	29		
5		6	30		
6		103	31		
7		769	32		
8		103	33		
9		0	34		
10		30	35		
11			36		
12			37		
13			38		
14			39		
15			40		
16			41		
17			42		
18			43		
19			44		
20			45		
21			46		
22			47		
23			48		
24			49		
25			50		

NOTE: If sample size is anything other than 100 cm² NOTE in Remarks Section.

AIR SAMPLE FRISKER SCREEN RESULTS

Inst. Model/#: N/A / Bkg: Air Sample ID#:

Cal. Due Date: Start/Stop Time: /

Volume:

Readings: Filter: ccpm Cartridge: ccpm

REMARKS: None



Plume Map

No measurable releases.

All readings are background levels.



Time	UNIT VENT	UNIT VENT READING				PRESSURE		CONTAINMENT READING		
	FLOW RATE	36L	36H	54	OPEN IN C	PSIG	RLR	39L	39H	53
18:45	130000	9.00E+01	1.49E+01	2.76E+00	0.00E+00	0.09		1.80E+02	1.74E+01	6.20E+00
19:00	130000	9.00E+01	1.47E+01	2.76E+00	0.00E+00	0.09	208100	1.80E+02	1.74E+01	6.20E+00
19:15	130000	9.00E+01	1.49E+01	2.76E+00	0.00E+00	0.09	208100	1.80E+02	1.74E+01	6.20E+00
19:30	130000	9.10E+01	1.50E+01	2.76E+00	0.00E+00	0.09	208100	1.80E+02	1.74E+01	6.20E+00
19:45	130000	9.00E+01	1.50E+01	2.76E+00	0.00E+00	0.09	208100	1.80E+02	1.74E+01	3.50E+00
20:00	130000	8.90E+01	1.50E+01	2.76E+00	0.00E+00	0.10	208100	1.80E+02	1.74E+01	2.90E+00
20:15	130000	9.10E+01	1.50E+01	2.76E+00	0.00E+00	0.11	208100	1.80E+02	1.74E+01	2.80E+00
20:30	130000	9.10E+01	1.50E+01	2.76E+00	0.00E+00	0.11	208100	1.80E+02	1.74E+01	2.70E+00
20:45	7000	9.20E+01	1.50E+01	2.76E+00	0.00E+00	3.80	453600	1.80E+03	1.74E+01	2.50E+00
21:00	7000	9.20E+01	1.50E+01	2.76E+00	0.00E+00	2.40	453600	2.60E+03	1.74E+01	2.25E+00
21:15	7000	9.30E+01	1.50E+01	2.76E+00	0.00E+00	2.25	453600	3.24E+03	1.74E+01	2.00E+00
21:30	7000	9.40E+01	1.50E+01	2.76E+00	0.00E+00	2.00	453600	3.32E+03	1.74E+01	2.00E+00
21:45	7000	9.50E+01	1.50E+01	2.76E+00	0.00E+00	1.90	208100	3.51E+03	1.74E+01	2.00E+00
22:00	7000	9.50E+01	1.50E+01	2.76E+00	0.00E+00	1.80	208100	3.65E+03	1.74E+01	2.00E+00
22:15	7000	9.50E+01	1.50E+01	2.76E+00	0.00E+00	1.70	208100	3.67E+03	1.74E+01	2.00E+00
22:30	7000	9.50E+01	1.50E+01	2.76E+00	0.00E+00	1.50	208100	3.70E+03	1.74E+01	2.00E+00
22:45	7000	9.50E+01	1.50E+01	2.76E+00	0.00E+00	1.50	208100	3.78E+03	1.74E+01	2.00E+00
23:00	7000	9.50E+01	1.50E+01	2.76E+00	0.00E+00	1.50	208100	3.83E+03	1.74E+01	2.00E+00
23:15	7000	9.50E+01	1.50E+01	2.76E+00	0.00E+00	1.50	208100	3.89E+03	1.74E+01	2.00E+00
23:30	7000	9.50E+01	1.50E+01	2.76E+00	0.00E+00	1.50	208100	3.94E+03	1.74E+01	2.00E+00
23:45	7000	9.50E+01	1.50E+01	2.76E+00	0.00E+00	1.50	208100	4.05E+03	1.74E+01	2.00E+00
0:00	7000	9.10E+01	1.50E+01	2.76E+00	0.00E+00	1.50	208100	4.07E+03	1.74E+01	2.00E+00

LEAK RATIO/LOC/MC D/R/O		Source Terms(Noble Gases)			Source Terms(Iodine)		
		LR	Containment	Vent	Steam	Containment	Vent
R	L	208100	2.39E-10	2.76E-04	0.00E+00	6.56E-13	7.56E-09
R	L	208100	2.39E-10	2.76E-04	0.00E+00	6.56E-13	7.56E-09
R	L	208100	2.39E-10	2.79E-04	0.00E+00	6.56E-13	7.64E-09
R	L	208100	2.39E-10	2.76E-04	0.00E+00	6.56E-13	7.56E-09
R	L	208100	2.39E-10	2.73E-04	0.00E+00	6.56E-13	7.48E-09
R	L	208100	2.39E-10	2.79E-04	0.00E+00	6.56E-13	7.64E-09
R	L	208100	2.39E-10	2.79E-04	0.00E+00	6.56E-13	7.64E-09
R	L	453600	5.22E-09	1.52E-05	0.00E+00	1.43E-11	4.16E-10
R	L	453600	7.53E-09	1.52E-05	0.00E+00	2.58E-11	5.19E-10
R	L	453600	9.39E-09	1.54E-05	0.00E+00	3.21E-11	5.25E-10
R	L	453600	9.62E-09	1.55E-05	0.00E+00	3.29E-11	5.31E-10
R	L	208100	4.67E-09	1.57E-05	0.00E+00	1.60E-11	5.36E-10
R	L	208100	4.85E-09	1.57E-05	0.00E+00	1.66E-11	5.36E-10
R	L	208100	4.88E-09	1.57E-05	0.00E+00	1.67E-11	5.36E-10
R	L	208100	4.92E-09	1.57E-05	0.00E+00	1.68E-11	5.36E-10
R	L	208100	5.03E-09	1.57E-05	0.00E+00	1.72E-11	5.36E-10
R	L	208100	5.09E-09	1.57E-05	0.00E+00	1.95E-11	5.99E-10
R	L	208100	5.17E-09	1.57E-05	0.00E+00	1.98E-11	5.99E-10
R	L	208100	5.24E-09	1.57E-05	0.00E+00	2.00E-11	5.99E-10
R	L	208100	5.38E-09	1.57E-05	0.00E+00	2.06E-11	5.99E-10
R	L	208100	5.41E-09	1.50E-05	0.00E+00	2.07E-11	5.74E-10

1.80E-03 1.10E-03 4.30E-04 2.70E-04 2.00E-04 1.70E-04 1.30E-04 1.20E-04 8.60E-05 7.80E-05 7.30E-05

Time	TQng	TQI	Dose Rate (REM/hr)										
			Time	WB 0.5	Thyroid 0.5	WB 2	Thyroid 2	WB 5	Thyroid 5	WB 10	Thyroid 10		
18:45			18:45										
19:00	2.76E-04	7.56E-09	19:00	2.38E-06	4.39E-06	5.69E-07	1.05E-06	2.25E-07	4.15E-07	9.67E-08	1.78E-07		
19:15	2.76E-04	7.56E-09	19:15	2.38E-06	4.39E-06	5.69E-07	1.05E-06	2.25E-07	4.15E-07	9.67E-08	1.78E-07		
19:30	2.79E-04	7.64E-09	19:30	2.41E-06	4.44E-06	5.76E-07	1.06E-06	2.28E-07	4.20E-07	9.77E-08	1.80E-07		
19:45	2.76E-04	7.56E-09	19:45	2.38E-06	4.39E-06	5.69E-07	1.05E-06	2.25E-07	4.15E-07	9.67E-08	1.78E-07		
20:00	2.73E-04	7.48E-09	20:00	2.36E-06	4.34E-06	5.63E-07	1.04E-06	2.23E-07	4.10E-07	9.56E-08	1.76E-07		
20:15	2.79E-04	7.64E-09	20:15	2.41E-06	4.44E-06	5.76E-07	1.06E-06	2.28E-07	4.20E-07	9.77E-08	1.80E-07		
20:30	2.79E-04	7.64E-09	20:30	2.41E-06	4.44E-06	5.76E-07	1.06E-06	2.28E-07	4.20E-07	9.77E-08	1.80E-07		
20:45	1.52E-05	4.30E-10	20:45	1.31E-07	2.50E-07	3.14E-08	5.97E-08	1.24E-08	2.36E-08	5.32E-09	1.01E-08		
21:00	1.52E-05	5.45E-10	21:00	1.31E-07	3.17E-07	3.14E-08	7.57E-08	1.24E-08	2.99E-08	5.32E-09	1.28E-08		
21:15	1.54E-05	5.57E-10	21:15	1.33E-07	3.24E-07	3.17E-08	7.73E-08	1.25E-08	3.06E-08	5.38E-09	1.31E-08		
21:30	1.55E-05	5.64E-10	21:30	1.34E-07	3.27E-07	3.20E-08	7.82E-08	1.27E-08	3.09E-08	5.44E-09	1.33E-08		
21:45	1.57E-05	5.52E-10	21:45	1.36E-07	3.21E-07	3.24E-08	7.67E-08	1.28E-08	3.03E-08	5.50E-09	1.30E-08		
22:00	1.57E-05	5.53E-10	22:00	1.36E-07	3.21E-07	3.24E-08	7.68E-08	1.28E-08	3.03E-08	5.50E-09	1.30E-08		
22:15	1.57E-05	5.53E-10	22:15	1.36E-07	3.21E-07	3.24E-08	7.68E-08	1.28E-08	3.04E-08	5.50E-09	1.30E-08		
22:30	1.57E-05	5.53E-10	22:30	1.36E-07	3.21E-07	3.24E-08	7.68E-08	1.28E-08	3.04E-08	5.50E-09	1.30E-08		
22:45	1.57E-05	5.53E-10	22:45	1.36E-07	3.22E-07	3.24E-08	7.68E-08	1.28E-08	3.04E-08	5.50E-09	1.30E-08		
23:00	1.57E-05	6.18E-10	23:00	1.36E-07	3.59E-07	3.24E-08	8.59E-08	1.28E-08	3.39E-08	5.50E-09	1.46E-08		
23:15	1.57E-05	6.19E-10	23:15	1.36E-07	3.60E-07	3.24E-08	8.59E-08	1.28E-08	3.40E-08	5.50E-09	1.46E-08		
23:30	1.57E-05	6.19E-10	23:30	1.36E-07	3.60E-07	3.24E-08	8.59E-08	1.28E-08	3.40E-08	5.50E-09	1.46E-08		
23:45	1.57E-05	6.20E-10	23:45	1.36E-07	3.60E-07	3.24E-08	8.60E-08	1.28E-08	3.40E-08	5.50E-09	1.46E-08		
0:00	1.50E-05	5.94E-10	0:00	1.30E-07	3.45E-07	3.10E-08	8.25E-08	1.23E-08	3.26E-08	5.27E-09	1.40E-08		

Dose Rate (REM/hr)

WB 1	Thyroid 1	WB 4	Thyroid 4	WB 7	Thyroid 7	WB 8	Thyroid 8	WB 3	Thyroid 3	WB 6	Thyroid 6
1.46E-06	2.68E-06	2.65E-07	4.88E-07	1.59E-07	2.93E-07	1.14E-07	2.10E-07	3.58E-07	6.59E-07	1.72E-07	3.17E-07
1.46E-06	2.68E-06	2.65E-07	4.88E-07	1.59E-07	2.93E-07	1.14E-07	2.10E-07	3.58E-07	6.59E-07	1.72E-07	3.17E-07
1.47E-06	2.71E-06	2.68E-07	4.94E-07	1.61E-07	2.96E-07	1.15E-07	2.12E-07	3.62E-07	6.66E-07	1.74E-07	3.21E-07
1.46E-06	2.68E-06	2.65E-07	4.88E-07	1.59E-07	2.93E-07	1.14E-07	2.10E-07	3.58E-07	6.59E-07	1.72E-07	3.17E-07
1.44E-06	2.66E-06	2.62E-07	4.83E-07	1.57E-07	2.90E-07	1.13E-07	2.08E-07	3.54E-07	6.52E-07	1.70E-07	3.14E-07
1.47E-06	2.71E-06	2.68E-07	4.94E-07	1.61E-07	2.96E-07	1.15E-07	2.12E-07	3.62E-07	6.66E-07	1.74E-07	3.21E-07
1.47E-06	2.71E-06	2.68E-07	4.94E-07	1.61E-07	2.96E-07	1.15E-07	2.12E-07	3.62E-07	6.66E-07	1.74E-07	3.21E-07
8.02E-08	1.53E-07	1.46E-08	2.78E-08	8.75E-09	1.67E-08	6.27E-09	1.19E-08	1.97E-08	3.75E-08	9.48E-09	1.81E-08
8.02E-08	1.94E-07	1.46E-08	3.52E-08	8.75E-09	2.11E-08	6.27E-09	1.51E-08	1.97E-08	4.75E-08	9.48E-09	2.29E-08
8.11E-08	1.98E-07	1.47E-08	3.60E-08	8.85E-09	2.16E-08	6.34E-09	1.55E-08	1.99E-08	4.86E-08	9.58E-09	2.34E-08
8.20E-08	2.00E-07	1.49E-08	3.64E-08	8.94E-09	2.18E-08	6.41E-09	1.56E-08	2.01E-08	4.91E-08	9.69E-09	2.37E-08
8.28E-08	1.96E-07	1.51E-08	3.57E-08	9.03E-09	2.14E-08	6.47E-09	1.53E-08	2.03E-08	4.81E-08	9.79E-09	2.32E-08
8.28E-08	1.96E-07	1.51E-08	3.57E-08	9.03E-09	2.14E-08	6.47E-09	1.54E-08	2.03E-08	4.82E-08	9.79E-09	2.32E-08
8.28E-08	1.96E-07	1.51E-08	3.57E-08	9.03E-09	2.14E-08	6.48E-09	1.54E-08	2.03E-08	4.82E-08	9.79E-09	2.32E-08
8.28E-08	1.96E-07	1.51E-08	3.57E-08	9.03E-09	2.14E-08	6.48E-09	1.54E-08	2.03E-08	4.82E-08	9.79E-09	2.32E-08
8.28E-08	1.97E-07	1.51E-08	3.57E-08	9.03E-09	2.14E-08	6.48E-09	1.54E-08	2.03E-08	4.82E-08	9.79E-09	2.32E-08
8.28E-08	2.20E-07	1.51E-08	3.99E-08	9.04E-09	2.40E-08	6.48E-09	1.72E-08	2.03E-08	5.39E-08	9.79E-09	2.60E-08
8.28E-08	2.20E-07	1.51E-08	4.00E-08	9.04E-09	2.40E-08	6.48E-09	1.72E-08	2.03E-08	5.39E-08	9.79E-09	2.60E-08
8.28E-08	2.20E-07	1.51E-08	4.00E-08	9.04E-09	2.40E-08	6.48E-09	1.72E-08	2.03E-08	5.40E-08	9.79E-09	2.60E-08
8.28E-08	2.20E-07	1.51E-08	4.00E-08	9.04E-09	2.40E-08	6.48E-09	1.72E-08	2.03E-08	5.40E-08	9.79E-09	2.60E-08
7.93E-08	2.11E-07	1.44E-08	3.84E-08	8.65E-09	2.30E-08	6.20E-09	1.65E-08	1.95E-08	5.18E-08	9.38E-09	2.50E-08

Integrate 2 Hour Dose Projections

Time	A0		A1 C1 D1 F1		A2 C2 D2 E2 F2		WB	Thyroid
	WB	Thyroid	WB	Thyroid	WB	Thyroid		
	0.5	0.5	2	2	5	5	10	10
18:45								
19:00	4.77E-06	8.79E-06	1.14E-06	2.10E-06	4.50E-07	8.30E-07	1.93E-07	3.56E-07
19:15	5.36E-06	9.89E-06	1.28E-06	2.36E-06	5.07E-07	9.34E-07	2.18E-07	4.01E-07
19:30	6.01E-06	1.11E-05	1.44E-06	2.65E-06	5.68E-07	1.05E-06	2.44E-07	4.49E-07
19:45	6.56E-06	1.21E-05	1.57E-06	2.89E-06	6.20E-07	1.14E-06	2.66E-07	4.90E-07
20:00	7.10E-06	1.31E-05	1.70E-06	3.13E-06	6.71E-07	1.24E-06	2.88E-07	5.31E-07
20:15	7.80E-06	1.44E-05	1.86E-06	3.43E-06	7.37E-07	1.36E-06	3.16E-07	5.83E-07
20:30	8.40E-06	1.55E-05	2.01E-06	3.70E-06	7.94E-07	1.46E-06	3.41E-07	6.28E-07
20:45	4.45E-06	8.21E-06	1.06E-06	1.96E-06	4.20E-07	7.76E-07	1.80E-07	3.33E-07
21:00	4.48E-06	8.41E-06	1.07E-06	2.01E-06	4.23E-07	7.94E-07	1.82E-07	3.41E-07
21:15	4.52E-06	8.50E-06	1.08E-06	2.03E-06	4.26E-07	8.03E-07	1.83E-07	3.45E-07
21:30	4.55E-06	8.59E-06	1.09E-06	2.05E-06	4.30E-07	8.11E-07	1.85E-07	3.48E-07
21:45	4.59E-06	8.66E-06	1.10E-06	2.07E-06	4.33E-07	8.18E-07	1.86E-07	3.51E-07
22:00	4.62E-06	8.74E-06	1.10E-06	2.09E-06	4.37E-07	8.25E-07	1.87E-07	3.54E-07
22:15	4.66E-06	8.82E-06	1.11E-06	2.11E-06	4.40E-07	8.33E-07	1.89E-07	3.58E-07
22:30	4.69E-06	8.90E-06	1.12E-06	2.13E-06	4.43E-07	8.41E-07	1.90E-07	3.61E-07
22:45	4.72E-06	8.98E-06	1.13E-06	2.15E-06	4.46E-07	8.48E-07	1.92E-07	3.64E-07
23:00	4.76E-06	9.14E-06	1.14E-06	2.18E-06	4.49E-07	8.63E-07	1.93E-07	3.71E-07
23:15	4.79E-06	9.23E-06	1.14E-06	2.20E-06	4.53E-07	8.72E-07	1.94E-07	3.74E-07
23:30	4.83E-06	9.32E-06	1.15E-06	2.23E-06	4.56E-07	8.80E-07	1.96E-07	3.78E-07
23:45	4.86E-06	9.41E-06	1.16E-06	2.25E-06	4.59E-07	8.89E-07	1.97E-07	3.82E-07
0:00	4.88E-06	9.47E-06	1.17E-06	2.26E-06	4.61E-07	8.94E-07	1.98E-07	3.84E-07

B1 E1		B2		F3		A3		WB	Thyroid	WB	Thyroid
1	1	4	4	7	7	8	8	3	3	6	6
2.91E-06	5.37E-06	5.30E-07	9.76E-07	3.18E-07	5.86E-07	2.28E-07	4.20E-07	7.15E-07	1.32E-06	3.44E-07	6.35E-07
3.28E-06	6.04E-06	5.96E-07	1.10E-06	3.58E-07	6.59E-07	2.56E-07	4.72E-07	8.04E-07	1.48E-06	3.87E-07	7.14E-07
3.67E-06	6.77E-06	6.68E-07	1.23E-06	4.01E-07	7.39E-07	2.87E-07	5.29E-07	9.02E-07	1.66E-06	4.34E-07	8.00E-07
4.01E-06	7.39E-06	7.29E-07	1.34E-06	4.37E-07	8.06E-07	3.14E-07	5.78E-07	9.84E-07	1.81E-06	4.74E-07	8.73E-07
4.34E-06	8.00E-06	7.89E-07	1.45E-06	4.74E-07	8.73E-07	3.39E-07	6.26E-07	1.07E-06	1.96E-06	5.13E-07	9.46E-07
4.77E-06	8.79E-06	8.67E-07	1.60E-06	5.20E-07	9.58E-07	3.73E-07	6.87E-07	1.17E-06	2.16E-06	5.63E-07	1.04E-06
5.13E-06	9.46E-06	9.34E-07	1.72E-06	5.60E-07	1.03E-06	4.01E-07	7.40E-07	1.26E-06	2.32E-06	6.07E-07	1.12E-06
2.72E-06	5.02E-06	4.94E-07	9.13E-07	2.96E-07	5.48E-07	2.12E-07	3.92E-07	6.67E-07	1.23E-06	3.21E-07	5.93E-07
2.74E-06	5.14E-06	4.98E-07	9.34E-07	2.99E-07	5.61E-07	2.14E-07	4.02E-07	6.72E-07	1.26E-06	3.24E-07	6.07E-07
2.76E-06	5.20E-06	5.02E-07	9.45E-07	3.01E-07	5.67E-07	2.16E-07	4.06E-07	6.77E-07	1.28E-06	3.26E-07	6.14E-07
2.78E-06	5.25E-06	5.06E-07	9.55E-07	3.03E-07	5.73E-07	2.17E-07	4.10E-07	6.83E-07	1.29E-06	3.29E-07	6.20E-07
2.80E-06	5.29E-06	5.10E-07	9.62E-07	3.06E-07	5.77E-07	2.19E-07	4.14E-07	6.88E-07	1.30E-06	3.31E-07	6.25E-07
2.82E-06	5.34E-06	5.14E-07	9.71E-07	3.08E-07	5.83E-07	2.21E-07	4.18E-07	6.93E-07	1.31E-06	3.34E-07	6.31E-07
2.85E-06	5.39E-06	5.17E-07	9.80E-07	3.10E-07	5.88E-07	2.22E-07	4.21E-07	6.98E-07	1.32E-06	3.36E-07	6.37E-07
2.87E-06	5.44E-06	5.21E-07	9.89E-07	3.13E-07	5.93E-07	2.24E-07	4.25E-07	7.03E-07	1.34E-06	3.39E-07	6.43E-07
2.89E-06	5.49E-06	5.25E-07	9.98E-07	3.15E-07	5.99E-07	2.26E-07	4.29E-07	7.09E-07	1.35E-06	3.41E-07	6.49E-07
2.91E-06	5.58E-06	5.29E-07	1.02E-06	3.17E-07	6.09E-07	2.27E-07	4.37E-07	7.14E-07	1.37E-06	3.44E-07	6.60E-07
2.93E-06	5.64E-06	5.32E-07	1.03E-06	3.19E-07	6.15E-07	2.29E-07	4.41E-07	7.19E-07	1.38E-06	3.46E-07	6.66E-07
2.95E-06	5.69E-06	5.36E-07	1.04E-06	3.22E-07	6.21E-07	2.31E-07	4.45E-07	7.24E-07	1.40E-06	3.48E-07	6.73E-07
2.97E-06	5.75E-06	5.40E-07	1.05E-06	3.24E-07	6.27E-07	2.32E-07	4.50E-07	7.29E-07	1.41E-06	3.51E-07	6.80E-07
2.98E-06	5.79E-06	5.42E-07	1.05E-06	3.25E-07	6.31E-07	2.33E-07	4.52E-07	7.32E-07	1.42E-06	3.53E-07	6.84E-07

Time

19:00

UNIT 1

P ID	Reading	Units	Description
Metereological			
A0483	7.00 MPH		Upper Wind Speed 15 Min Ave
A0485	6.55 MPH		Lower Wind Speed 15 Min Ave (preferred)
A0484	100.00 degree C		Upper Wind Direction 15 Min Ave (preferred)
A0489	98.00 degree C		Lower Wind Direction 15 Min ave
A1127	29.88 IN HG		Barometric Pressure
A0490	1.70 degree C		Ambient Air D/T Elev 662 & 762 15 Min Ave
A1172	20.00 degree C		Ambient Air Temp Elev 662 15 Min Ave
A0496	17.00 degree C		Dewpoint
P0595	0.00 IN		Precipitation in Last 15 Min
SteamRelief			
A1008	9.96E-03 R/hr		EMF 26 Steamline A Rad Monitor
P0576	9.96E-03 R/hr		EMF 26 Steam Line A Rad Monitor 15 Min run Ave
P0596	*	LBM	S/G A Main Steam Released in Last 15 Min
A1014	9.96E-03 R/hr		EMF 27 Steamline B Rad Monitor
P0577	9.96E-03 R/hr		EMF 27 Steam Line B Rad Monitor 15 Min run Ave
P0597	*	LBM	S/G B Main Steam Released in Last 15 Min
A1020	9.96E-03 R/hr		EMF 28 Steamline C Rad Monitor
P0578	9.96E-03 R/hr		EMF 28 Steam Line C Rad Monitor 15 Min run Ave
P0598	*	LBM	S/G C Main Steam Released in Last 15 Min
A1026	9.96E-03 R/hr		EMF 29 Steamline D Rad Monitor
P0579	9.96E-03 R/hr		EMF 29 Steam Line D Rad Monitor 15 Min run Ave
P0599	*	LBM	S/G D Main Steam Released in Last 15 Min
P0132	9.96E-03 R/hr		Main Steam EMF Ave During Prev 15 Min
Containment			
A0743	0.09 PSIG		Containment Pressure Channel 2 (-5 to +5 PSIG)
A1499	0.09 PSIG		Containment W/R Pressure Train A (-5 to 60 PSIG)
A0025	1.80E+02 CPM		EMF 39L Containment Gas Monitor
P0580	1.80E+02 CPM		EMF 39L Containment Gas Monitor 15 Min run Ave
A0031	1.74E+01 CPM		EMF 39H Containment Gas Monitor
P0581	1.74E+01 CPM		EMF 39H Containment Gas Monitor 15 Min run Ave
A0054	1.11E+02 CPM		EMF 40 Containment Iodine Monitor
P0584	1.11E+02 CPM		EMF 40 Containment Iodine Monitor 15 Min run Ave
P0431X	0.00E+00 CPM		EMF 40 Delta Counts Last 15 Min
P0432X	0.00E+00 CPM		EMF 40 Delta Counts Last (0 - 5 min)
P0433X	0.00E+00 CPM		EMF 40 Delta Counts Last (5 - 10 min)
P0434X	0.00E+00 CPM		EMF 40 Delta Counts Last (10 - 15 min)
A1308	6.20E+00 R/hr		EMF 53A Containment High Range Monitor A
P0582	6.20E+00 R/hr		EMF 53A Containment High Range 15 Min run Ave
A1314	6.19E+00 R/hr		EMF 53B Containment High Range Monitor B
P0583	6.19E+00 R/hr		EMF 53B Containment High Range 15 Min run Ave

TIME	19:06	Unit Vent
A1104	130000 CFM	Unit Vent Stack Flow
A0013	9.00E+01 CPM	EMF 36L Unit Vent Gas Monitor
P0585	9.00E+01 CPM	EMF 36L Unit Vent Gas Monitor 15 Min run Ave
A0019	1.47E+01 CPM	EMF 36H Unit Vent Gas Monitor
P0586	1.48E+01 CPM	EMF 36H Unit Vent Gas Monitor 15 Min run Ave
A0012	1.02E+02 CPM	EMF 35L Unit Vent Particulate
A0018	1.02E+02 CPM	EMF 35H Unit Vent Particulate
A0048	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor
P0588	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor 15 Min run Ave
P1822	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count Last 15 Min
P0129	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (0 - 5 Min)
P0130	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (5 - 10 Min)
P0131	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (10 - 15 Min)
A1315	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor
P0587	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor 15 Min run Ave

MISC EMF

A0061	1.84E+05 CPM	EMF 48 Reactor Coolant Monitor
A0060	4.01E+01 CPM	EMF 41 Auxiliary Building Ventilation

Time

19:15

UNIT 1

P ID	Reading	Units	Description
Meteorological			
A0483	6.98 MPH		Upper Wind Speed 15 Min Ave
A0485	6.85 MPH		Lower Wind Speed 15 Min Ave (preferred)
A0484	101.00 degree C		Upper Wind Direction 15 Min Ave (preferred)
A0489	101.00 degree C		Lower Wind Direction 15 Min ave
A1127	29.88 IN HG		Barometric Pressure
A0490	1.80 degree C		Ambient Air D/T Elev 662 & 762 15 Min Ave
A1172	20.50 degree C		Ambient Air Temp Elev 662 15 Min Ave
A0496	17.00 degree C		Dewpoint
P0595	0.00 IN		Precipitation in Last 15 Min
SteamRelief			
A1008	9.96E-03 R/hr		EMF 26 Steamline A Rad Monitor
P0576	9.96E-03 R/hr		EMF 26 Steam Line A Rad Monitor 15 Min run Ave
P0596	*	LBM	S/G A Main Steam Released in Last 15 Min
A1014	9.96E-03 R/hr		EMF 27 Steamline B Rad Monitor
P0577	9.96E-03 R/hr		EMF 27 Steam Line B Rad Monitor 15 Min run Ave
P0597	*	LBM	S/G B Main Steam Released in Last 15 Min
A1020	9.96E-03 R/hr		EMF 28 Steamline C Rad Monitor
P0578	9.96E-03 R/hr		EMF 28 Steam Line C Rad Monitor 15 Min run Ave
P0598	*	LBM	S/G C Main Steam Released in Last 15 Min
A1026	9.96E-03 R/hr		EMF 29 Steamline D Rad Monitor
P0579	9.96E-03 R/hr		EMF 29 Steam Line D Rad Monitor 15 Min run Ave
P0599	*	LBM	S/G D Main Steam Released in Last 15 Min
P0132	9.96E-03 R/hr		Main Steam EMF Ave During Prev 15 Min
Containment			
A0743	0.09 PSIG		Containment Pressure Channel 2 (-5 to +5 PSIG)
A1499	0.09 PSIG		Containment W/R Pressure Train A (-5 to 60 PSIG)
A0025	1.80E+02 CPM		EMF 39L Containment Gas Monitor
P0580	1.80E+02 CPM		EMF 39L Containment Gas Monitor 15 Min run Ave
A0031	1.74E+01 CPM		EMF 39H Containment Gas Monitor
P0581	1.74E+01 CPM		EMF 39H Containment Gas Monitor 15 Min run Ave
A0054	1.11E+02 CPM		EMF 40 Containment Iodine Monitor
P0584	1.11E+02 CPM		EMF 40 Containment Iodine Monitor 15 Min run Ave
P0431X	0.00E+00 CPM		EMF 40 Delta Counts Last 15 Min
P0432X	0.00E+00 CPM		EMF 40 Delta Counts Last (0 - 5 min)
P0433X	0.00E+00 CPM		EMF 40 Delta Counts Last (5 - 10 min)
P0434X	0.00E+00 CPM		EMF 40 Delta Counts Last (10 -15 min)
A1308	6.20E+00 R/hr		EMF 53A Containment High Range Monitor A
P0582	6.20E+00 R/hr		EMF 53A Containment High Range 15 Min run Ave
A1314	6.19E+00 R/hr		EMF 53B Containment High Range Monitor B
P0583	6.19E+00 R/hr		EMF 53B Containment High Range 15 Min run Ave

TIME	19:15	Unit Vent
A1104	130000 CFM	Unit Vent Stack Flow
A0013	9.00E+01 CPM	EMF 36L Unit Vent Gas Monitor
P0585	9.00E+01 CPM	EMF 36L Unit Vent Gas Monitor 15 Min run Ave
A0019	1.49E+01 CPM	EMF 36H Unit Vent Gas Monitor
P0586	1.48E+01 CPM	EMF 36H Unit Vent Gas Monitor 15 Min run Ave
A0012	1.02E+02 CPM	EMF 35L Unit Vent Particulate
A0018	1.02E+02 CPM	EMF 35H Unit Vent Particulate
A0049	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor
P0588	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor 15 Min run Ave
P1822	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count Last 15 Min
P0129	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (0 - 5 Min)
P0130	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (5 - 10 Min)
P0131	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (10 - 15 Min)
A1315	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor
P0587	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor 15 Min run Ave
MISC EMF		
A0061	1.84E+05 CPM	EMF 48 Reactor Coolant Monitor
A0060	4.01E+01 CPM	EMF 41 Auxiliary Building Ventilation

Time

19:30

UNIT 1

P ID	Reading	Units	Description
Metereological			
A0483	6.95 MPH		Upper Wind Speed 15 Min Ave
A0485	6.85 MPH		Lower Wind Speed 15 Min Ave (preferred)
A0484	99.00 degree C		Upper Wind Direction 15 Min Ave (preferred)
A0489	100.00 degree C		Lower Wind Direction 15 Min ave
A1127	29.88 IN HG		Barometric Pressure
A0490	1.70 degree C		Ambient Air D/T Elev 662 & 762 15 Min Ave
A1172	20.50 degree C		Ambient Air Temp Elev 662 15 Min Ave
A0496	17.00 degree C		Dewpoint
P0595	0.00 IN		Precipitation in Last 15 Min
SteamRelief			
A1008	9.96E-03 R/hr		EMF 26 Steamline A Rad Monitor
P0576	9.96E-03 R/hr		EMF 26 Steam Line A Rad Monitor 15 Min run Ave
P0596	*	LBM	S/G A Main Steam Released in Last 15 Min
A1014	9.96E-03 R/hr		EMF 27 Steamline B Rad Monitor
P0577	9.96E-03 R/hr		EMF 27 Steam Line B Rad Monitor 15 Min run Ave
P0597	*	LBM	S/G B Main Steam Released in Last 15 Min
A1020	9.96E-03 R/hr		EMF 28 Steamline C Rad Monitor
P0578	9.96E-03 R/hr		EMF 28 Steam Line C Rad Monitor 15 Min run Ave
P0598	*	LBM	S/G C Main Steam Released in Last 15 Min
A1026	9.96E-03 R/hr		EMF 29 Steamline D Rad Monitor
P0579	9.96E-03 R/hr		EMF 29 Steam Line D Rad Monitor 15 Min run Ave
P0599	*	LBM	S/G D Main Steam Released in Last 15 Min
P0132	9.96E-03 R/hr		Main Steam EMF Ave During Prev 15 Min
Containment			
A0743	0.09 PSIG		Containment Pressure Channel 2 (-5 to +5 PSIG)
A1499	0.09 PSIG		Containment W/R Pressure Train A (-5 to 60 PSIG)
A0025	1.80E+02 CPM		EMF 39L Containment Gas Monitor
P0580	1.80E+02 CPM		EMF 39L Containment Gas Monitor 15 Min run Ave
A0031	1.74E+01 CPM		EMF 39H Containment Gas Monitor
P0581	1.74E+01 CPM		EMF 39H Containment Gas Monitor 15 Min run Ave
A0054	1.11E+02 CPM		EMF 40 Containment Iodine Monitor
P0584	1.11E+02 CPM		EMF 40 Containment Iodine Monitor 15 Min run Ave
P0431X	0.00E+00 CPM		EMF 40 Delta Counts Last 15 Min
P0432X	0.00E+00 CPM		EMF 40 Delta Counts Last (0 - 5 min)
P0433X	0.00E+00 CPM		EMF 40 Delta Counts Last (5 - 10 min)
P0434X	0.00E+00 CPM		EMF 40 Delta Counts Last (10 -15 min)
A1308	6.20E+00 R/hr		EMF 53A Containment High Range Monitor A
P0582	6.20E+00 R/hr		EMF 53A Containment High Range 15 Min run Ave
A1314	6.19E+00 R/hr		EMF 53B Containment High Range Monitor B
P0583	6.19E+00 R/hr		EMF 53B Containment High Range 15 Min run Ave

TIME	19:30	Unit Vent
A1104	130000 CPM	Unit Vent Stack Flow
A0013	9.10E+01 CPM	EMF 36L Unit Vent Gas Monitor
P0585	9.05E+01 CPM	EMF 36L Unit Vent Gas Monitor 15 Min run Ave
A0019	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor
P0586	1.49E+01 CPM	EMF 36H Unit Vent Gas Monitor 15 Min run Ave
A0012	1.02E+02 CPM	EMF 35L Unit Vent Particulate
A0018	1.02E+02 CPM	EMF 35H Unit Vent Particulate
A0048	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor
P0588	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor 15 Min run Ave
P1822	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count Last 15 Min
P0129	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (0 - 5 Min)
P0130	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (5 - 10 Min)
P0131	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (10 - 15 Min)
A1315	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor
P0587	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor 15 Min run Ave
MISC EMF		
A0061	1.84E+05 CPM	EMF 48 Reactor Coolant Monitor
A0060	4.01E+01 CPM	EMF 41 Auxiliary Building Ventilation

Time

19:45

UNIT 1

P ID	Reading	Units	Description
Meteorological			
A0483	6.99 MPH		Upper Wind Speed 15 Min Ave
A0485	6.77 MPH		Lower Wind Speed 15 Min Ave (preferred)
A0484	100.00 degree C		Upper Wind Direction 15 Min Ave (preferred)
A0489	98.00 degree C		Lower Wind Direction 15 Min ave
A1127	29.88 IN HG		Barometric Pressure
A0490	1.80 degree C		Ambient Air D/T Elev 662 & 762 15 Min Ave
A1172	20.00 degree C		Ambient Air Temp Elev 662 15 Min Ave
A0496	17.00 degree C		Dewpoint
P0595	0.00 IN		Precipitation in Last 15 Min
Steam Relief			
A1008	9.96E-03 R/hr		EMF 26 Steamline A Rad Monitor
P0576	9.96E-03 R/hr		EMF 26 Steam Line A Rad Monitor 15 Min run Ave
P0596	* LBM		S/G A Main Steam Released in Last 15 Min
A1014	9.96E-03 R/hr		EMF 27 Steamline B Rad Monitor
P0577	9.96E-03 R/hr		EMF 27 Steam Line B Rad Monitor 15 Min run Ave
P0597	* LBM		S/G B Main Steam Released in Last 15 Min
A1020	9.96E-03 R/hr		EMF 28 Steamline C Rad Monitor
P0578	9.96E-03 R/hr		EMF 28 Steam Line C Rad Monitor 15 Min run Ave
P0598	* LBM		S/G C Main Steam Released in Last 15 Min
A1026	9.96E-03 R/hr		EMF 29 Steamline D Rad Monitor
P0579	9.96E-03 R/hr		EMF 29 Steam Line D Rad Monitor 15 Min run Ave
P0599	* LBM		S/G D Main Steam Released in Last 15 Min
P0132	9.96E-03 R/hr		Main Steam EMF Ave During Prev 15 Min
Containment			
A0743	0.09 PSIG		Containment Pressure Channel 2 (-5 to +5 PSIG)
A1499	0.09 PSIG		Containment W/R Pressure Train A (-5 to 60 PSIG)
A0025	1.80E+02 CPM		EMF 39L Containment Gas Monitor
P0580	1.80E+02 CPM		EMF 39L Containment Gas Monitor 15 Min run Ave
A0031	1.74E+01 CPM		EMF 39H Containment Gas Monitor
P0581	1.74E+01 CPM		EMF 39H Containment Gas Monitor 15 Min run Ave
A0054	1.11E+02 CPM		EMF 40 Containment Iodine Monitor
P0584	1.11E+02 CPM		EMF 40 Containment Iodine Monitor 15 Min run Ave
P0431X	0.00E+00 CPM		EMF 40 Delta Counts Last 15 Min
P0432X	0.00E+00 CPM		EMF 40 Delta Counts Last (0 - 5 min)
P0433X	0.00E+00 CPM		EMF 40 Delta Counts Last (5 - 10 min)
P0434X	0.00E+00 CPM		EMF 40 Delta Counts Last (10 - 15 min)
A1308	3.50E+00 R/hr		EMF 53A Containment High Range Monitor A
P0582	4.85E+00 R/hr		EMF 53A Containment High Range 15 Min run Ave
A1314	3.40E+00 R/hr		EMF 53B Containment High Range Monitor B
P0583	4.80E+00 R/hr		EMF 53B Containment High Range 15 Min run Ave

TIME	19:45	Unit Vent
A1104	130000 CFM	Unit Vent Stack Flow
A0013	9.00E+01 CPM	EMF 36L Unit Vent Gas Monitor
P0585	9.05E+01 CPM	EMF 36L Unit Vent Gas Monitor 15 Min run Ave
A0019	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor
P0586	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor 15 Min run Ave
A0012	1.02E+02 CPM	EMF 35L Unit Vent Particulate
A0018	1.02E+02 CPM	EMF 35H Unit Vent Particulate
A0048	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor
P0588	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor 15 Min run Ave
P1822	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count Last 15 Min
P0129	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (0 - 5 Min)
P0130	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (5 - 10 Min)
P0131	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (10 - 15 Min)
A1315	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor
P0587	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor 15 Min run Ave

MISC EMF

A0061	2.00E+05 CPM	EMF 48 Reactor Coolant Monitor
A0060	4.01E+01 CPM	EMF 41 Auxiliary Building Ventilation

P ID	Reading	Units	Description
Meteorological			
A0483	7.00 MPH		Upper Wind Speed 15 Min Ave
A0485	6.99 MPH		Lower Wind Speed 15 Min Ave (preferred)
A0484	102.00 degree C		Upper Wind Direction 15 Min Ave (preferred)
A0489	100.00 degree C		Lower Wind Direction 15 Min ave
A1127	29.88 IN HG		Barometric Pressure
A0490	1.90 degree C		Ambient Air D/T Elev 662 & 762 15 Min Ave
A1172	20.00 degree C		Ambient Air Temp Elev 662 15 Min Ave
A0496	17.00 degree C		Dewpoint
P0595	0.00 IN		Precipitation in Last 15 Min
SteamRelief			
A1008	9.96E-03 R/hr		EMF 26 Steamline A Rad Monitor
P0576	9.96E-03 R/hr		EMF 26 Steam Line A Rad Monitor 15 Min run Ave
P0596	*	LBM	S/G A Main Steam Released in Last 15 Min
A1014	9.96E-03 R/hr		EMF 27 Steamline B Rad Monitor
P0577	9.96E-03 R/hr		EMF 27 Steam Line B Rad Monitor 15 Min run Ave
P0597	*	LBM	S/G B Main Steam Released in Last 15 Min
A1020	9.96E-03 R/hr		EMF 28 Steamline C Rad Monitor
P0578	9.96E-03 R/hr		EMF 28 Steam Line C Rad Monitor 15 Min run Ave
P0598	*	LBM	S/G C Main Steam Released in Last 15 Min
A1026	9.96E-03 R/hr		EMF 29 Steamline D Rad Monitor
P0579	9.96E-03 R/hr		EMF 29 Steam Line D Rad Monitor 15 Min run Ave
P0599	*	LBM	S/G D Main Steam Released in Last 15 Min
P0132	9.96E-03 R/hr		Main Steam EMF Ave During Prev 15 Min
Containment			
A0743	0.1 PSIG		Containment Pressure Channel 2 (-5 to +5 PSIG)
A1499	0.1 PSIG		Containment W/R Pressure Train A (-5 to 60 PSIG)
A0025	1.80E+02 CPM		EMF 39L Containment Gas Monitor
P0580	1.80E+02 CPM		EMF 39L Containment Gas Monitor 15 Min run Ave
A0031	1.74E+01 CPM		EMF 39H Containment Gas Monitor
P0581	1.74E+01 CPM		EMF 39H Containment Gas Monitor 15 Min run Ave
A0054	1.11E+02 CPM		EMF 40 Containment Iodine Monitor
P0584	1.11E+02 CPM		EMF 40 Containment Iodine Monitor 15 Min run Ave
P0431X	0.00E+00 CPM		EMF 40 Delta Counts Last 15 Min
P0432X	0.00E+00 CPM		EMF 40 Delta Counts Last (0 - 5 min)
P0433X	0.00E+00 CPM		EMF 40 Delta Counts Last (5 - 10 min)
P0434X	0.00E+00 CPM		EMF 40 Delta Counts Last (10 - 15 min)
A1308	2.90E+00 R/hr		EMF 53A Containment High Range Monitor A
P0582	3.20E+00 R/hr		EMF 53A Containment High Range 15 Min run Ave
A1314	3.00E+00 R/hr		EMF 53B Containment High Range Monitor B
P0583	3.20E+00 R/hr		EMF 53B Containment High Range 15 Min run Ave

TIME

20:00

Unit Vent

A1104	130000 CPM	Unit Vent Stack Flow
A0013	8.90E+01 CPM	EMF 36L Unit Vent Gas Monitor
P0585	8.95E+01 CPM	EMF 36L Unit Vent Gas Monitor 15 Min run Ave
A0019	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor
P0586	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor 15 Min run Ave
A0012	1.02E+02 CPM	EMF 35L Unit Vent Particulate
A0018	1.02E+02 CPM	EMF 35H Unit Vent Particulate
A0048	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor
P0588	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor 15 Min run Ave
P1822	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count Last 15 Min
P0129	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (0 - 5 Min)
P0130	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (5 - 10 Min)
P0131	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (10 - 15 Min)
A1315	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor
P0587	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor 15 Min run Ave

MISC EMF

A0061	2.50E+05 CPM	EMF 48 Reactor Coolant Monitor
A0060	4.01E+01 CPM	EMF 41 Auxiliary Building Ventilation

P ID	Reading	Units	Description
Meteorological			
A0483	7.01 MPH		Upper Wind Speed 15 Min Ave
A0485	6.88 MPH		Lower Wind Speed 15 Min Ave (preferred)
A0484	105.00 degree C		Upper Wind Direction 15 Min Ave (preferred)
A0489	103.00 degree C		Lower Wind Direction 15 Min ave
A1127	29.88 IN HG		Barometric Pressure
A0490	1.70 degree C		Ambient Air D/T Elev 662 & 762 15 Min Ave
A1172	20.00 degree C		Ambient Air Temp Elev 662 15 Min Ave
A0496	17.00 degree C		Dewpoint
P0595	0.00 IN		Precipitation in Last 15 Min
Steam Relief			
A1008	9.96E-03 R/hr		EMF 26 Steamline A Rad Monitor
P0576	9.96E-03 R/hr		EMF 26 Steam Line A Rad Monitor 15 Min run Ave
P0596	*	LBM	S/G A Main Steam Released in Last 15 Min
A1014	9.96E-03 R/hr		EMF 27 Steamline B Rad Monitor
P0577	9.96E-03 R/hr		EMF 27 Steam Line B Rad Monitor 15 Min run Ave
P0597	*	LBM	S/G B Main Steam Released in Last 15 Min
A1020	9.96E-03 R/hr		EMF 28 Steamline C Rad Monitor
P0578	9.96E-03 R/hr		EMF 28 Steam Line C Rad Monitor 15 Min run Ave
P0598	*	LBM	S/G C Main Steam Released in Last 15 Min
A1026	9.96E-03 R/hr		EMF 29 Steamline D Rad Monitor
P0579	9.96E-03 R/hr		EMF 29 Steam Line D Rad Monitor 15 Min run Ave
P0599	*	LBM	S/G D Main Steam Released in Last 15 Min
P0132	9.96E-03 R/hr		Main Steam EMF Ave During Prev 15 Min
Containment			
A0743	0.11 PSIG		Containment Pressure Channel 2 (-5 to +5 PSIG)
A1499	0.11 PSIG		Containment W/R Pressure Train A (-5 to 60 PSIG)
A0025	1.80E+02 CPM		EMF 39L Containment Gas Monitor
P0580	1.80E+02 CPM		EMF 39L Containment Gas Monitor 15 Min run Ave
A0031	1.74E+01 CPM		EMF 39H Containment Gas Monitor
P0581	1.74E+01 CPM		EMF 39H Containment Gas Monitor 15 Min run Ave
A0054	1.11E+02 CPM		EMF 40 Containment Iodine Monitor
P0584	1.11E+02 CPM		EMF 40 Containment Iodine Monitor 15 Min run Ave
P0431X	0.00E+00 CPM		EMF 40 Delta Counts Last 15 Min
P0432X	0.00E+00 CPM		EMF 40 Delta Counts Last (0 - 5 min)
P0433X	0.00E+00 CPM		EMF 40 Delta Counts Last (5 - 10 min)
P0434X	0.00E+00 CPM		EMF 40 Delta Counts Last (10 - 15 min)
A1308	2.80E+00 R/hr		EMF 53A Containment High Range Monitor A
P0582	2.85E+00 R/hr		EMF 53A Containment High Range 15 Min run Ave
A1314	2.90E+00 R/hr		EMF 53B Containment High Range Monitor B
P0583	2.95E+00 R/hr		EMF 53B Containment High Range 15 Min run Ave

TIME	20:15	Unit Vent
A1104	130000 CFM	Unit Vent Stack Flow
A0013	9.10E+01 CPM	EMF 36L Unit Vent Gas Monitor
P0585	9.00E+01 CPM	EMF 36L Unit Vent Gas Monitor 15 Min run Ave
A0019	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor
P0586	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor 15 Min run Ave
A0012	1.02E+02 CPM	EMF 35L Unit Vent Particulate
A0018	1.02E+02 CPM	EMF 35H Unit Vent Particulate
A0048	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor
P0588	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor 15 Min run Ave
P1822	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count Last 15 Min
P0129	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (0 - 5 Min)
P0130	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (5 - 10 Min)
P0131	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (10 - 15 Min)
A1315	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor
P0587	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor 15 Min run Ave

MISC EMF

A0061	3.00E+05 CPM	EMF 48 Reactor Coolant Monitor
A0060	4.01E+01 CPM	EMF 41 Auxiliary Building Ventilation

Time

20:30

UNIT 1

P ID	Reading	Units	Description
Metereological			
A0483	7.05 MPH		Upper Wind Speed 15 Min Ave
A0485	6.90 MPH		Lower Wind Speed 15 Min Ave (preferred)
A0484	100.00 degree C		Upper Wind Direction 15 Min Ave (preferred)
A0489	99.00 degree C		Lower Wind Direction 15 Min ave
A1127	29.88 IN HG		Barometric Pressure
A0490	1.80 degree C		Ambient Air D/T Elev 662 & 762 15 Min Ave
A1172	20.00 degree C		Ambient Air Temp Elev 662 15 Min Ave
A0496	17.00 degree C		Dewpoint
P0595	0.00 IN		Precipitation in Last 15 Min
SteamRelief			
A1008	9.96E-03 R/hr		EMF 26 Steamline A Rad Monitor
P0576	9.96E-03 R/hr		EMF 26 Steam Line A Rad Monitor 15 Min run Ave
P0596	*	LBM	S/G A Main Steam Released in Last 15 Min
A1014	9.96E-03 R/hr		EMF 27 Steamline B Rad Monitor
P0577	9.96E-03 R/hr		EMF 27 Steam Line B Rad Monitor 15 Min run Ave
P0597	*	LBM	S/G B Main Steam Released in Last 15 Min
A1020	9.96E-03 R/hr		EMF 28 Steamline C Rad Monitor
P0578	9.96E-03 R/hr		EMF 28 Steam Line C Rad Monitor 15 Min run Ave
P0598	*	LBM	S/G C Main Steam Released in Last 15 Min
A1026	9.96E-03 R/hr		EMF 29 Steamline D Rad Monitor
P0579	9.96E-03 R/hr		EMF 29 Steam Line D Rad Monitor 15 Min run Ave
P0599	*	LBM	S/G D Main Steam Released in Last 15 Min
P0132	9.96E-03 R/hr		Main Steam EMF Ave During Prev 15 Min
Containment			
A0743	0.11 PSIG		Containment Pressure Channel 2 (-5 to +5 PSIG)
A1499	0.11 PSIG		Containment W/R Pressure Train A (-5 to 60 PSIG)
A0025	1.80E+02 CPM		EMF 39L Containment Gas Monitor
P0580	1.80E+02 CPM		EMF 39L Containment Gas Monitor 15 Min run Ave
A0031	1.74E+01 CPM		EMF 39H Containment Gas Monitor
P0581	1.74E+01 CPM		EMF 39H Containment Gas Monitor 15 Min run Ave
A0054	1.11E+02 CPM		EMF 40 Containment Iodine Monitor
P0584	1.11E+02 CPM		EMF 40 Containment Iodine Monitor 15 Min run Ave
P0431X	0.00E+00 CPM		EMF 40 Delta Counts Last 15 Min
P0432X	0.00E+00 CPM		EMF 40 Delta Counts Last (0 - 5 min)
P0433X	0.00E+00 CPM		EMF 40 Delta Counts Last (5 - 10 min)
P0434X	0.00E+00 CPM		EMF 40 Delta Counts Last (10 -15 min)
A1308	2.70E+00 R/hr		EMF 53A Containment High Range Monitor A
P0582	2.75E+00 R/hr		EMF 53A Containment High Range 15 Min run Ave
A1314	2.70E+00 R/hr		EMF 53B Containment High Range Monitor B
P0583	2.80E+00 R/hr		EMF 53B Containment High Range 15 Min run Ave

TIME	20:30	Unit Vent
A1104	130000 CFM	Unit Vent Stack Flow
A0013	9.10E+01 CPM	EMF 36L Unit Vent Gas Monitor
P0585	9.10E+01 CPM	EMF 36L Unit Vent Gas Monitor 15 Min run Ave
A0019	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor
P0586	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor 15 Min run Ave
A0012	1.02E+02 CPM	EMF 35L Unit Vent Particulate
A0018	1.02E+02 CPM	EMF 35H Unit Vent Particulate
A0048	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor
P0588	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor 15 Min run Ave
P1822	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count Last 15 Min
P0129	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (0 - 5 Min)
P0130	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (5 - 10 Min)
P0131	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (10 - 15 Min)
A1315	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor
P0587	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor 15 Min run Ave

MISC EMF

A0061	3.20E+05 CPM	EMF 48 Reactor Coolant Monitor
A0060	4.01E+01 CPM	EMF 41 Auxiliary Building Ventilation

Time

20:45

UNIT 1

P ID	Reading	Units	Description
Meteorological			
A0483	6.50 MPH		Upper Wind Speed 15 Min Ave
A0485	6.45 MPH		Lower Wind Speed 15 Min Ave (preferred)
A0484	99.00 degree C		Upper Wind Direction 15 Min Ave (preferred)
A0489	99.00 degree C		Lower Wind Direction 15 Min ave
A1127	29.88 IN HG		Barometric Pressure
A0490	1.90 degree C		Ambient Air D/T Elev 662 & 762 15 Min Ave
A1172	20.00 degree C		Ambient Air Temp Elev 662 15 Min Ave
A0496	17.00 degree C		Dewpoint
P0595	0.00 IN		Precipitation in Last 15 Min
SteamRelief			
A1008	9.96E-03 R/hr		EMF 26 Steamline A Rad Monitor
P0576	9.96E-03 R/hr		EMF 26 Steam Line A Rad Monitor 15 Min run Ave
P0596	*	LBM	S/G A Main Steam Released in Last 15 Min
A1014	9.96E-03 R/hr		EMF 27 Steamline B Rad Monitor
P0577	9.96E-03 R/hr		EMF 27 Steam Line B Rad Monitor 15 Min run Ave
P0597	*	LBM	S/G B Main Steam Released in Last 15 Min
A1020	9.96E-03 R/hr		EMF 28 Steamline C Rad Monitor
P0578	9.96E-03 R/hr		EMF 28 Steam Line C Rad Monitor 15 Min run Ave
P0598	*	LBM	S/G C Main Steam Released in Last 15 Min
A1026	9.96E-03 R/hr		EMF 29 Steamline D Rad Monitor
P0579	9.96E-03 R/hr		EMF 29 Steam Line D Rad Monitor 15 Min run Ave
P0599	*	LBM	S/G D Main Steam Released in Last 15 Min
P0132	9.96E-03 R/hr		Main Steam EMF Ave During Prev 15 Min
Containment			
A0743	3.8 PSIG		Containment Pressure Channel 2 (-5 to +5 PSIG)
A1499	3.8 PSIG		Containment W/R Pressure Train A (-5 to 60 PSIG)
A0025	1.80E+03 CPM		EMF 39L Containment Gas Monitor
P0580	9.90E+02 CPM		EMF 39L Containment Gas Monitor 15 Min run Ave
A0031	1.74E+01 CPM		EMF 39H Containment Gas Monitor
P0581	1.74E+01 CPM		EMF 39H Containment Gas Monitor 15 Min run Ave
A0054	2.00E+02 CPM		EMF 40 Containment Iodine Monitor
P0584	1.56E+02 CPM		EMF 40 Containment Iodine Monitor 15 Min run Ave
P0431X	8.90E+01 CPM		EMF 40 Delta Counts Last 15 Min
P0432X	2.97E+01 CPM		EMF 40 Delta Counts Last (0 - 5 min)
P0433X	2.97E+01 CPM		EMF 40 Delta Counts Last (5 - 10 min)
P0434X	2.97E+01 CPM		EMF 40 Delta Counts Last (10 - 15 min)
A1308	2.50E+00 R/hr		EMF 53A Containment High Range Monitor A
P0582	2.60E+00 R/hr		EMF 53A Containment High Range 15 Min run Ave
A1314	2.49E+00 R/hr		EMF 53B Containment High Range Monitor B
P0583	2.60E+00 R/hr		EMF 53B Containment High Range 15 Min run Ave

TIME	20:45	Unit Vent
A1104	7000 CFM	Unit Vent Stack Flow
A0013	9.20E+01 CPM	EMF 36L Unit Vent Gas Monitor
P0585	9.15E+01 CPM	EMF 36L Unit Vent Gas Monitor 15 Min run Ave
A0019	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor
P0586	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor 15 Min run Ave
A0012	1.02E+02 CPM	EMF 35L Unit Vent Particulate
A0018	1.02E+02 CPM	EMF 35H Unit Vent Particulate
A0048	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor
P0588	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor 15 Min run Ave
P1822	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count Last 15 Min
P0129	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (0 - 5 Min)
P0130	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (5 - 10 Min)
P0131	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (10 - 15 Min)
A1315	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor
P0587	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor 15 Min run Ave
MISC EMP		
A0061	3.20E+05 CPM	EMF 48 Reactor Coolant Monitor
A0060	4.10E+01 CPM	EMF 41 Auxiliary Building Ventilation

Time

21:00

UNIT 1

P ID	Reading	Units	Description
Meteorological			
A0483	6.90 MPH		Upper Wind Speed 15 Min Ave
A0485	6.90 MPH		Lower Wind Speed 15 Min Ave (preferred)
A0484	102.00 degree C		Upper Wind Direction 15 Min Ave (preferred)
A0489	100.00 degree C		Lower Wind Direction 15 Min ave
A1127	29.88 IN HG		Barometric Pressure
A0490	1.70 degree C		Ambient Air D/T Elev 662 & 762 15 Min Ave
A1172	20.00 degree C		Ambient Air Temp Elev 662 15 Min Ave
A0496	17.00 degree C		Dewpoint
P0595	0.00 IN		Precipitation in Last 15 Min
SteamRelief			
A1008	9.96E-03 R/hr		EMF 26 Steamline A Rad Monitor
P0576	9.96E-03 R/hr		EMF 26 Steam Line A Rad Monitor 15 Min run Ave
P0596	*	LBM	S/G A Main Steam Released in Last 15 Min
A1014	9.96E-03 R/hr		EMF 27 Steamline B Rad Monitor
P0577	9.96E-03 R/hr		EMF 27 Steam Line B Rad Monitor 15 Min run Ave
P0597	*	LBM	S/G B Main Steam Released in Last 15 Min
A1020	9.96E-03 R/hr		EMF 28 Steamline C Rad Monitor
P0578	9.96E-03 R/hr		EMF 28 Steam Line C Rad Monitor 15 Min run Ave
P0598	*	LBM	S/G C Main Steam Released in Last 15 Min
A1026	9.96E-03 R/hr		EMF 29 Steamline D Rad Monitor
P0579	9.96E-03 R/hr		EMF 29 Steam Line D Rad Monitor 15 Min run Ave
P0599	*	LBM	S/G D Main Steam Released in Last 15 Min
P0132	9.96E-03 R/hr		Main Steam EMF Ave During Prev 15 Min
Containment			
A0743	2.4 PSIG		Containment Pressure Channel 2 (-5 to +5 PSIG)
A1499	2.4 PSIG		Containment W/R Pressure Train A (-5 to 60 PSIG)
A0025	2.60E+03 CPM		EMF 39L Containment Gas Monitor
P0580	2.20E+03 CPM		EMF 39L Containment Gas Monitor 15 Min run Ave
A0031	1.74E+01 CPM		EMF 39H Containment Gas Monitor
P0581	1.74E+01 CPM		EMF 39H Containment Gas Monitor 15 Min run Ave
A0054	3.00E+02 CPM		EMF 40 Containment Iodine Monitor
P0584	2.50E+02 CPM		EMF 40 Containment Iodine Monitor 15 Min run Ave
P0431X	1.00E+02 CPM		EMF 40 Delta Counts Last 15 Min
P0432X	3.33E+01 CPM		EMF 40 Delta Counts Last (0 - 5 min)
P0433X	3.33E+01 CPM		EMF 40 Delta Counts Last (5 - 10 min)
P0434X	3.33E+01 CPM		EMF 40 Delta Counts Last (10 - 15 min)
A1308	2.25E+00 R/hr		EMF 53A Containment High Range Monitor A
P0582	2.38E+00 R/hr		EMF 53A Containment High Range 15 Min run Ave
A1314	2.25E+00 R/hr		EMF 53B Containment High Range Monitor B
P0583	2.37E+00 R/hr		EMF 53B Containment High Range 15 Min run Ave

TIME	21:00	Unit Vent
Ai104	7000 CFM	Unit Vent Stack Flow
A0013	9.20E+01 CPM	EMF 36L Unit Vent Gas Monitor
P0585	9.20E+01 CPM	EMF 36L Unit Vent Gas Monitor 15 Min run Ave
A0019	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor
P0586	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor 15 Min run Ave
A0012	1.02E+02 CPM	EMF 35L Unit Vent Particulate
A0018	1.02E+02 CPM	EMF 35H Unit Vent Particulate
A0048	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor
P0588	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor 15 Min run Ave
P1822	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count Last 15 Min
P0129	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (0 - 5 Min)
P0130	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (5 - 10 Min)
P0131	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (10 - 15 Min)
A1315	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor
P0587	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor 15 Min run Ave
MISC EMF		
A0061	3.20E+05 CPM	EMF 48 Reactor Coolant Monitor
A0060	4.10E+01 CPM	EMF 41 Auxiliary Building Ventilation

Time

21:15

UNIT 1

P ID	Reading	Units	Description
Meteorological			
A0483	6.50 MPH		Upper Wind Speed 15 Min Ave
A0485	6.65 MPH		Lower Wind Speed 15 Min Ave (preferred)
A0484	100.00 degree C		Upper Wind Direction 15 Min Ave (preferred)
A0489	102.00 degree C		Lower Wind Direction 15 Min ave
A1127	29.88 IN HG		Barometric Pressure
A0490	1.60 degree C		Ambient Air D/T Elev 662 & 762 15 Min Ave
A1172	19.90 degree C		Ambient Air Temp Elev 662 15 Min Ave
A0496	17.00 degree C		Dewpoint
P0595	0.00 IN		Precipitation in Last 15 Min
SteamRelief			
A1008	9.96E-03 R/hr		EMF 26 Steamline A Rad Monitor
P0576	9.96E-03 R/hr		EMF 26 Steam Line A Rad Monitor 15 Min run Ave
P0596	*	LBM	S/G A Main Steam Released in Last 15 Min
A1014	9.96E-03 R/hr		EMF 27 Steamline B Rad Monitor
P0577	9.96E-03 R/hr		EMF 27 Steam Line B Rad Monitor 15 Min run Ave
P0597	*	LBM	S/G B Main Steam Released in Last 15 Min
A1020	9.96E-03 R/hr		EMF 28 Steamline C Rad Monitor
P0578	9.96E-03 R/hr		EMF 28 Steam Line C Rad Monitor 15 Min run Ave
P0598	*	LBM	S/G C Main Steam Released in Last 15 Min
A1026	9.96E-03 R/hr		EMF 29 Steamline D Rad Monitor
P0579	9.96E-03 R/hr		EMF 29 Steam Line D Rad Monitor 15 Min run Ave
P0599	*	LBM	S/G D Main Steam Released in Last 15 Min
P0132	9.96E-03 R/hr		Main Steam EMF Ave During Prev 15 Min
Containment			
A0743	2.2 PSIG		Containment Pressure Channel 2 (-5 to +5 PSIG)
A1499	2.25 PSIG		Containment W/R Pressure Train A (-5 to 60 PSIG)
A0025	3.24E+03 CPM		EMF 39L Containment Gas Monitor
P0580	2.92E+03 CPM		EMF 39L Containment Gas Monitor 15 Min run Ave
A0031	1.74E+01 CPM		EMF 39H Containment Gas Monitor
P0581	1.74E+01 CPM		EMF 39H Containment Gas Monitor 15 Min run Ave
A0054	4.00E+02 CPM		EMF 40 Containment Iodine Monitor
P0584	3.50E+02 CPM		EMF 40 Containment Iodine Monitor 15 Min run Ave
P0431X	1.00E+02 CPM		EMF 40 Delta Counts Last 15 Min
P0432X	3.33E+01 CPM		EMF 40 Delta Counts Last (0 - 5 min)
P0433X	3.33E+01 CPM		EMF 40 Delta Counts Last (5 - 10 min)
P0434X	3.33E+01 CPM		EMF 40 Delta Counts Last (10 - 15 min)
A1308	2.00E+00 R/hr		EMF 53A Containment High Range Monitor A
P0582	2.13E+00 R/hr		EMF 53A Containment High Range 15 Min run Ave
A1314	2.10E+00 R/hr		EMF 53B Containment High Range Monitor B
P0583	2.18E+00 R/hr		EMF 53B Containment High Range 15 Min run Ave

TIME	21:18	Unit Vent
A1104	7000 CPM	Unit Vent Stack Flow
A0013	9.30E+01 CPM	EMF 36L Unit Vent Gas Monitor
P0585	9.25E+01 CPM	EMF 36L Unit Vent Gas Monitor 15 Min run Ave
A0019	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor
P0586	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor 15 Min run Ave
A0012	1.02E+02 CPM	EMF 35L Unit Vent Particulate
A0018	1.02E+02 CPM	EMF 35H Unit Vent Particulate
A0048	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor
P0588	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor 15 Min run Ave
P1822	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count Last 15 Min
P0129	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (0 - 5 Min)
P0130	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (5 - 10 Min)
P0131	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (10 - 15 Min)
A1315	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor
P0587	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor 15 Min run Ave

MISC EMF

A0061	2.90E+05 CPM	EMF 48 Reactor Coolant Monitor
A0060	4.20E+01 CPM	EMF 41 Auxiliary Building Ventilation

Time

11:36

UNIT 1

P ID	Reading	Units	Description
Meteorological			
A0483	7.00	MPH	Upper Wind Speed 15 Min Ave
A0485	6.88	MPH	Lower Wind Speed 15 Min Ave (preferred)
A0484	101.00	degree C	Upper Wind Direction 15 Min Ave (preferred)
A0489	100.00	degree C	Lower Wind Direction 15 Min ave
A1127	29.88	IN HG	Barometric Pressure
A0490	1.50	degree C	Ambient Air D/T Elev 662 & 762 15 Min Ave
A1172	19.90	degree C	Ambient Air Temp Elev 662 15 Min Ave
A0496	17.00	degree C	Dewpoint
P0595	0.00	IN	Precipitation in Last 15 Min
SteamRelief			
A1008	9.96E-03	R/hr	EMF 26 Steamline A Rad Monitor
P0576	9.96E-03	R/hr	EMF 26 Steam Line A Rad Monitor 15 Min run Ave
P0596	*	LBM	S/G A Main Steam Released in Last 15 Min
A1014	9.96E-03	R/hr	EMF 27 Steamline B Rad Monitor
P0577	9.96E-03	R/hr	EMF 27 Steam Line B Rad Monitor 15 Min run Ave
P0597	*	LBM	S/G B Main Steam Released in Last 15 Min
A1020	9.96E-03	R/hr	EMF 28 Steamline C Rad Monitor
P0578	9.96E-03	R/hr	EMF 28 Steam Line C Rad Monitor 15 Min run Ave
P0598	*	LBM	S/G C Main Steam Released in Last 15 Min
A1026	9.96E-03	R/hr	EMF 29 Steamline D Rad Monitor
P0579	9.96E-03	R/hr	EMF 29 Steam Line D Rad Monitor 15 Min run Ave
P0599	*	LBM	S/G D Main Steam Released in Last 15 Min
P0132	9.96E-03	R/hr	Main Steam EMF Ave During Prev 15 Min
Containment			
A0743	2	PSIG	Containment Pressure Channel 2 (-5 to +5 PSIG)
A1499	2	PSIG	Containment W/R Pressure Train A (-5 to 60 PSIG)
A0025	3.32E+03	CPM	EMF 39L Containment Gas Monitor
P0580	3.28E+03	CPM	EMF 39L Containment Gas Monitor 15 Min run Ave
A0031	1.74E+01	CPM	EMF 39H Containment Gas Monitor
P0581	1.74E+01	CPM	EMF 39H Containment Gas Monitor 15 Min run Ave
A0054	6.00E+02	CPM	EMF 40 Containment Iodine Monitor
P0584	5.00E+02	CPM	EMF 40 Containment Iodine Monitor 15 Min run Ave
P0431X	2.00E+02	CPM	EMF 40 Delta Counts Last 15 Min
P0432X	6.67E+01	CPM	EMF 40 Delta Counts Last (0 - 5 min)
P0433X	6.67E+01	CPM	EMF 40 Delta Counts Last (5 - 10 min)
P0434X	6.67E+01	CPM	EMF 40 Delta Counts Last (10 -15 min)
A1308	2.00E+00	R/hr	EMF 53A Containment High Range Monitor A
P0582	2.00E+00	R/hr	EMF 53A Containment High Range 15 Min run Ave
A1314	2.10E+00	R/hr	EMF 53B Containment High Range Monitor B
P0583	2.10E+00	R/hr	EMF 53B Containment High Range 15 Min run Ave

TIME	21:36	Unit Vent
A1104	7000 CFM	Unit Vent Stack Flow
A0013	9.40E+01 CPM	EMF 36L Unit Vent Gas Monitor
P0585	9.35E+01 CPM	EMF 36L Unit Vent Gas Monitor 15 Min run Ave
A0019	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor
P0586	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor 15 Min run Ave
A0012	1.02E+02 CPM	EMF 35L Unit Vent Particulate
A0018	1.02E+02 CPM	EMF 35H Unit Vent Particulate
A0048	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor
P0588	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor 15 Min run Ave
P1822	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count Last 15 Min
P0129	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (0 - 5 Min)
P0130	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (5 - 10 Min)
P0131	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (10 - 15 Min)
A1315	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor
P0587	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor 15 Min run Ave

MISC EMF

A0061	2.80E+05 CPM	EMF 48 Reactor Coolant Monitor
A0060	4.20E+01 CPM	EMF 41 Auxiliary Building Ventilation

Time

21:45

UNIT 1

P ID	Reading	Units	Description
Meteorological			
A0483	6.88 MPH		Upper Wind Speed 15 Min Ave
A0485	7.00 MPH		Lower Wind Speed 15 Min Ave (preferred)
A0484	103.00 degree C		Upper Wind Direction 15 Min Ave (preferred)
A0489	102.00 degree C		Lower Wind Direction 15 Min ave
A1127	29.88 IN HG		Barometric Pressure
A0490	1.70 degree C		Ambient Air D/T Elev 662 & 762 15 Min Ave
A1172	19.90 degree C		Ambient Air Temp Elev 662 15 Min Ave
A0496	17.00 degree C		Dewpoint
P0595	0.00 IN		Precipitation in Last 15 Min
SteamRelief			
A1008	9.96E-03 R/hr		EMF 26 Steamline A Rad Monitor
P0576	9.96E-03 R/hr		EMF 26 Steam Line A Rad Monitor 15 Min run Ave
P0596	*	LBM	S/G A Main Steam Released in Last 15 Min
A1014	9.96E-03 R/hr		EMF 27 Steamline B Rad Monitor
P0577	9.96E-03 R/hr		EMF 27 Steam Line B Rad Monitor 15 Min run Ave
P0597	*	LBM	S/G B Main Steam Released in Last 15 Min
A1020	9.96E-03 R/hr		EMF 28 Steamline C Rad Monitor
P0578	9.96E-03 R/hr		EMF 28 Steam Line C Rad Monitor 15 Min run Ave
P0598	*	LBM	S/G C Main Steam Released in Last 15 Min
A1026	9.96E-03 R/hr		EMF 29 Steamline D Rad Monitor
P0579	9.96E-03 R/hr		EMF 29 Steam Line D Rad Monitor 15 Min run Ave
P0599	*	LBM	S/G D Main Steam Released in Last 15 Min
P0132	9.96E-03 R/hr		Main Steam EMF Ave During Prev 15 Min
Containment			
A0743	1.9 PSIG		Containment Pressure Channel 2 (-5 to +5 PSIG)
A1499	1.9 PSIG		Containment W/R Pressure Train A (-5 to 60 PSIG)
A0025	3.51E+03 CPM		EMF 39L Containment Gas Monitor
P0580	3.42E+03 CPM		EMF 39L Containment Gas Monitor 15 Min run Ave
A0031	1.74E+01 CPM		EMF 39H Containment Gas Monitor
P0581	1.74E+01 CPM		EMF 39H Containment Gas Monitor 15 Min run Ave
A0054	6.00E+02 CPM		EMF 40 Containment Iodine Monitor
P0584	6.00E+02 CPM		EMF 40 Containment Iodine Monitor 15 Min run Ave
P0431X	0.00E+00 CPM		EMF 40 Delta Counts Last 15 Min
P0432X	0.00E+00 CPM		EMF 40 Delta Counts Last (0 - 5 min)
P0433X	0.00E+00 CPM		EMF 40 Delta Counts Last (5 - 10 min)
P0434X	0.00E+00 CPM		EMF 40 Delta Counts Last (10 -15 min)
A1308	2.00E+00 R/hr		EMF 53A Containment High Range Monitor A
P0582	2.00E+00 R/hr		EMF 53A Containment High Range 15 Min run Ave
A1314	2.10E+00 R/hr		EMF 53B Containment High Range Monitor B
P0583	2.10E+00 R/hr		EMF 53B Containment High Range 15 Min run Ave

TIME	21:45	Unit Vent
A1104	7000 CFM	Unit Vent Stack Flow
A0013	9.50E+01 CPM	EMF 36L Unit Vent Gas Monitor
P0585	9.45E+01 CPM	EMF 36L Unit Vent Gas Monitor 15 Min run Ave
A0019	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor
P0586	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor 15 Min run Ave
A0012	1.02E+02 CPM	EMF 35L Unit Vent Particulate
A0018	1.02E+02 CPM	EMF 35H Unit Vent Particulate
A0048	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor
P0588	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor 15 Min run Ave
P1822	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count Last 15 Min
P0129	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (0 - 5 Min)
P0130	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (5 - 10 Min)
P0131	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (10 - 15 Min)
A1315	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor
P0587	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor 15 Min run Ave
MISC EMF		
A0061	2.70E+05 CPM	EMF 48 Reactor Coolant Monitor
A0060	4.30E+01 CPM	EMF 41 Auxiliary Building Ventilation

Time

12:06

UNIT 1

P ID	Reading	Units	Description
Meteorological			
A0483	6.50 MPH		Upper Wind Speed 15 Min Ave
A0485	6.45 MPH		Lower Wind Speed 15 Min Ave (preferred)
A0484	100.00 degree C		Upper Wind Direction 15 Min Ave (preferred)
A0489	99.00 degree C		Lower Wind Direction 15 Min Ave
A1127	29.88 IN HG		Barometric Pressure
A0490	1.90 degree C		Ambient Air D/T Elev 662 & 762 15 Min Ave
A1172	19.80 degree C		Ambient Air Temp Elev 662 15 Min Ave
A0496	17.00 degree C		Dewpoint
P0595	0.00 IN		Precipitation in Last 15 Min
Steam Relief			
A1008	9.96E-03 R/hr		EMF 26 Steamline A Rad Monitor
P0576	9.96E-03 R/hr		EMF 26 Steam Line A Rad Monitor 15 Min run Ave
P0596	*	LBM	S/G A Main Steam Released in Last 15 Min
A1014	9.96E-03 R/hr		EMF 27 Steamline B Rad Monitor
P0577	9.96E-03 R/hr		EMF 27 Steam Line B Rad Monitor 15 Min run Ave
P0597	*	LBM	S/G B Main Steam Released in Last 15 Min
A1020	9.96E-03 R/hr		EMF 28 Steamline C Rad Monitor
P0578	9.96E-03 R/hr		EMF 28 Steam Line C Rad Monitor 15 Min run Ave
P0598	*	LBM	S/G C Main Steam Released in Last 15 Min
A1026	9.96E-03 R/hr		EMF 29 Steamline D Rad Monitor
P0579	9.96E-03 R/hr		EMF 29 Steam Line D Rad Monitor 15 Min run Ave
P0599	*	LBM	S/G D Main Steam Released in Last 15 Min
P0132	9.96E-03 R/hr		Main Steam EMF Ave During Prev 15 Min
Containment			
A0743	1.8 PSIG		Containment Pressure Channel 2 (-5 to +5 PSIG)
A1499	1.8 PSIG		Containment W/R Pressure Train A (-5 to 60 PSIG)
A0025	3.65E+03 CPM		EMF 39L Containment Gas Monitor
P0580	3.58E+03 CPM		EMF 39L Containment Gas Monitor 15 Min run Ave
A0031	1.74E+01 CPM		EMF 39H Containment Gas Monitor
P0581	1.74E+01 CPM		EMF 39H Containment Gas Monitor 15 Min run Ave
A0054	6.00E+02 CPM		EMF 40 Containment Iodine Monitor
P0584	6.00E+02 CPM		EMF 40 Containment Iodine Monitor 15 Min run Ave
P0431X	0.00E+00 CPM		EMF 40 Delta Counts Last 15 Min
P0432X	0.00E+00 CPM		EMF 40 Delta Counts Last (0 - 5 min)
P0433X	0.00E+00 CPM		EMF 40 Delta Counts Last (5 - 10 min)
P0434X	0.00E+00 CPM		EMF 40 Delta Counts Last (10 - 15 min)
A1308	2.00E+00 R/hr		EMF 53A Containment High Range Monitor A
P0582	2.00E+00 R/hr		EMF 53A Containment High Range 15 Min run Ave
A1314	2.10E+00 R/hr		EMF 53B Containment High Range Monitor B
P0583	2.10E+00 R/hr		EMF 53B Containment High Range 15 Min run Ave

TIME	22:00	Unit Vent
A1104	7000 CFM	Unit Vent Stack Flow
A0013	9.50E+01 CPM	EMF 36L Unit Vent Gas Monitor
P0585	9.50E+01 CPM	EMF 36L Unit Vent Gas Monitor 15 Min run Ave
A0019	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor
P0586	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor 15 Min run Ave
A0012	1.02E+02 CPM	EMF 35L Unit Vent Particulate
A0018	1.02E+02 CPM	EMF 35H Unit Vent Particulate
A0048	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor
P0588	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor 15 Min run Ave
P1822	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count Last 15 Min
P0129	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (0 - 5 Min)
P0130	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (5 - 10 Min)
P0131	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (10 - 15 Min)
A1315	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor
P0587	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor 15 Min run Ave

MISC EMF

A0061	2.60E+05 CPM	EMF 48 Reactor Coolant Monitor
A0060	4.40E+01 CPM	EMF 41 Auxiliary Building Ventilation

Time

21:15

UNIT 1

P ID	Reading	Units	Description
Meteorological			
A0483	6.99 MPH		Upper Wind Speed 15 Min Ave
A0485	6.75 MPH		Lower Wind Speed 15 Min Ave (preferred)
A0484	98.00 degree C		Upper Wind Direction 15 Min Ave (preferred)
A0489	100.00 degree C		Lower Wind Direction 15 Min ave
A1127	29.88 IN HG		Barometric Pressure
A0490	1.80 degree C		Ambient Air D/T Elev 662 & 762 15 Min Ave
A1172	19.80 degree C		Ambient Air Temp Elev 662 15 Min Ave
A0496	17.00 degree C		Dewpoint
P0595	0.00 IN		Precipitation in Last 15 Min
Steam/Relief			
A1008	9.96E-03 R/hr		EMF 26 Steamline A Rad Monitor
P0576	9.96E-03 R/hr		EMF 26 Steam Line A Rad Monitor 15 Min run Ave
P0596	*	LBM	S/G A Main Steam Released in Last 15 Min
A1014	9.96E-03 R/hr		EMF 27 Steamline B Rad Monitor
P0577	9.96E-03 R/hr		EMF 27 Steam Line B Rad Monitor 15 Min run Ave
P0597	*	LBM	S/G B Main Steam Released in Last 15 Min
A1020	9.96E-03 R/hr		EMF 28 Steamline C Rad Monitor
P0578	9.96E-03 R/hr		EMF 28 Steam Line C Rad Monitor 15 Min run Ave
P0598	*	LBM	S/G C Main Steam Released in Last 15 Min
A1026	9.96E-03 R/hr		EMF 29 Steamline D Rad Monitor
P0579	9.96E-03 R/hr		EMF 29 Steam Line D Rad Monitor 15 Min run Ave
P0599	*	LBM	S/G D Main Steam Released in Last 15 Min
P0132	9.96E-03 R/hr		Main Steam EMF Ave During Prev 15 Min
Containment			
A0743	1.7 PSIG		Containment Pressure Channel 2 (-5 to +5 PSIG)
A1499	1.7 PSIG		Containment W/R Pressure Train A (-5 to 60 PSIG)
A0025	3.67E+03 CPM		EMF 39L Containment Gas Monitor
P0580	3.66E+03 CPM		EMF 39L Containment Gas Monitor 15 Min run Ave
A0031	1.74E+01 CPM		EMF 39H Containment Gas Monitor
P0581	1.74E+01 CPM		EMF 39H Containment Gas Monitor 15 Min run Ave
A0054	6.00E+02 CPM		EMF 40 Containment Iodine Monitor
P0584	6.00E+02 CPM		EMF 40 Containment Iodine Monitor 15 Min run Ave
P0431X	0.00E+00 CPM		EMF 40 Delta Counts Last 15 Min
P0432X	0.00E+00 CPM		EMF 40 Delta Counts Last (0 - 5 min)
P0433X	0.00E+00 CPM		EMF 40 Delta Counts Last (5 - 10 min)
P0434X	0.00E+00 CPM		EMF 40 Delta Counts Last (10 -15 min)
A1308	2.00E+00 R/hr		EMF 53A Containment High Range Monitor A
P0582	2.00E+00 R/hr		EMF 53A Containment High Range 15 Min run Ave
A1314	2.10E+00 R/hr		EMF 53B Containment High Range Monitor B
P0583	2.10E+00 R/hr		EMF 53B Containment High Range 15 Min run Ave

TIME

22:15

Unit Vent

A1104	7000 CFM	Unit Vent Stack Flow
A0013	9.50E+01 CPM	EMF 36L Unit Vent Gas Monitor
P0585	9.50E+01 CPM	EMF 36L Unit Vent Gas Monitor 15 Min run Ave
A0019	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor
P0586	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor 15 Min run Ave
A0012	1.02E+02 CPM	EMF 35L Unit Vent Particulate
A0018	1.02E+02 CPM	EMF 35H Unit Vent Particulate
A0048	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor
P0588	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor 15 Min run Ave
P1822	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count Last 15 Min
P0129	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (0 - 5 Min)
P0130	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (5 - 10 Min)
P0131	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (10 - 15 Min)
A1315	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor
P0587	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor 15 Min run Ave

MISC EMF

A0061	2.50E+05 CPM	EMF 48 Reactor Coolant Monitor
A0060	4.40E+01 CPM	EMF 41 Auxiliary Building Ventilation

P ID	Reading	Units	Description
Metereological			
A0483	6.60 MPH		Upper Wind Speed 15 Min Ave
A0485	6.50 MPH		Lower Wind Speed 15 Min Ave (preferred)
A0484	99.00 degree C		Upper Wind Direction 15 Min Ave (preferred)
A0489	101.00 degree C		Lower Wind Direction 15 Min ave
A1127	29.88 IN HG		Barometric Pressure
A0490	1.90 degree C		Ambient Air D/T Elev 662 & 762 15 Min Ave
A1172	19.70 degree C		Ambient Air Temp Elev 662 15 Min Ave
A0496	17.00 degree C		Dewpoint
P0595	0.00 IN		Precipitation in Last 15 Min
SteamRelief			
A1008	9.96E-03 R/hr		EMF 26 Steamline A Rad Monitor
P0576	9.96E-03 R/hr		EMF 26 Steam Line A Rad Monitor 15 Min run Ave
P0596	*	LBM	S/G A Main Steam Released in Last 15 Min
A1014	9.96E-03 R/hr		EMF 27 Steamline B Rad Monitor
P0577	9.96E-03 R/hr		EMF 27 Steam Line B Rad Monitor 15 Min run Ave
P0597	*	LBM	S/G B Main Steam Released in Last 15 Min
A1020	9.96E-03 R/hr		EMF 28 Steamline C Rad Monitor
P0578	9.96E-03 R/hr		EMF 28 Steam Line C Rad Monitor 15 Min run Ave
P0598	*	LBM	S/G C Main Steam Released in Last 15 Min
A1026	9.96E-03 R/hr		EMF 29 Steamline D Rad Monitor
P0579	9.96E-03 R/hr		EMF 29 Steam Line D Rad Monitor 15 Min run Ave
P0599	*	LBM	S/G D Main Steam Released in Last 15 Min
P0132	9.96E-03 R/hr		Main Steam EMF Ave During Prev 15 Min
Containment			
A0743	1.5 PSIG		Containment Pressure Channel 2 (-5 to +5 PSIG)
A1499	1.5 PSIG		Containment W/R Pressure Train A (-5 to 60 PSIG)
A0025	3.70E+03 CPM		EMF 39L Containment Gas Monitor
P0580	3.69E+03 CPM		EMF 39L Containment Gas Monitor 15 Min run Ave
A0031	1.74E+01 CPM		EMF 39H Containment Gas Monitor
P0581	1.74E+01 CPM		EMF 39H Containment Gas Monitor 15 Min run Ave
A0054	6.00E+02 CPM		EMF 40 Containment Iodine Monitor
P0584	6.00E+02 CPM		EMF 40 Containment Iodine Monitor 15 Min run Ave
P0431X	0.00E+00 CPM		EMF 40 Delta Counts Last 15 Min
P0432X	0.00E+00 CPM		EMF 40 Delta Counts Last (0 - 5 min)
P0433X	0.00E+00 CPM		EMF 40 Delta Counts Last (5 - 10 min)
P0434X	0.00E+00 CPM		EMF 40 Delta Counts Last (10 -15 min)
A1308	2.00E+00 R/hr		EMF 53A Containment High Range Monitor A
P0582	2.00E+00 R/hr		EMF 53A Containment High Range 15 Min run Ave
A1314	2.10E+00 R/hr		EMF 53B Containment High Range Monitor B
P0583	2.10E+00 R/hr		EMF 53B Containment High Range 15 Min run Ave

TIME	22:36	Unit Vent
A1104	7900 CPM	Unit Vent Stack Flow
A0013	9.50E+01 CPM	EMF 36L Unit Vent Gas Monitor
P0585	9.50E+01 CPM	EMF 36L Unit Vent Gas Monitor 15 Min run Ave
A0019	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor
P0586	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor 15 Min run Ave
A0012	1.02E+02 CPM	EMF 35L Unit Vent Particulate
A0018	1.02E+02 CPM	EMF 35H Unit Vent Particulate
A0048	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor
P0588	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor 15 Min run Ave
P1822	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count Last 15 Min
P0129	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (0 - 5 Min)
P0130	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (5 - 10 Min)
P0131	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (10 - 15 Min)
A1315	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor
P0587	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor 15 Min run Ave

MISC EMF

A0061	2.50E+05 CPM	EMF 48 Reactor Coolant Monitor
A0060	4.40E+01 CPM	EMF 41 Auxiliary Building Ventilation

P ID	Reading	Units	Description
Metereological			
A0483	6.97 MPH		Upper Wind Speed 15 Min Ave
A0485	6.56 MPH		Lower Wind Speed 15 Min Ave (preferred)
A0484	100.00 degree C		Upper Wind Direction 15 Min Ave (preferred)
A0489	102.00 degree C		Lower Wind Direction 15 Min ave
A1127	29.88 IN HG		Barometric Pressure
A0490	1.80 degree C		Ambient Air D/T Elev 662 & 762 15 Min Ave
A1172	19.70 degree C		Ambient Air Temp Elev 662 15 Min Ave
A0496	17.00 degree C		Dewpoint
P0595	0.00 IN		Precipitation in Last 15 Min
SteamRelief			
A1008	9.96E-03 R/hr		EMF 26 Steamline A Rad Monitor
P0576	9.96E-03 R/hr		EMF 26 Steam Line A Rad Monitor 15 Min run Ave
P0596	*	LBM	S/G A Main Steam Released in Last 15 Min
A1014	9.96E-03 R/hr		EMF 27 Steamline B Rad Monitor
P0577	9.96E-03 R/hr		EMF 27 Steam Line B Rad Monitor 15 Min run Ave
P0597	*	LBM	S/G B Main Steam Released in Last 15 Min
A1020	9.96E-03 R/hr		EMF 28 Steamline C Rad Monitor
P0578	9.96E-03 R/hr		EMF 28 Steam Line C Rad Monitor 15 Min run Ave
P0598	*	LBM	S/G C Main Steam Released in Last 15 Min
A1026	9.96E-03 R/hr		EMF 29 Steamline D Rad Monitor
P0579	9.96E-03 R/hr		EMF 29 Steam Line D Rad Monitor 15 Min run Ave
P0599	*	LBM	S/G D Main Steam Released in Last 15 Min
P0132	9.96E-03 R/hr		Main Steam EMF Ave During Prev 15 Min
Containment			
A0743	1.5 PSIG		Containment Pressure Channel 2 (-5 to +5 PSIG)
A1499	1.5 PSIG		Containment W/R Pressure Train A (-5 to 60 PSIG)
A0025	3.78E+03 CPM		EMF 39L Containment Gas Monitor
P0580	3.74E+03 CPM		EMF 39L Containment Gas Monitor 15 Min run Ave
A0031	1.74E+01 CPM		EMF 39H Containment Gas Monitor
P0581	1.74E+01 CPM		EMF 39H Containment Gas Monitor 15 Min run Ave
A0054	6.00E+02 CPM		EMF 40 Containment Iodine Monitor
P0584	6.00E+02 CPM		EMF 40 Containment Iodine Monitor 15 Min run Ave
P0431X	0.00E+00 CPM		EMF 40 Delta Counts Last 15 Min
P0432X	0.00E+00 CPM		EMF 40 Delta Counts Last (0 - 5 min)
P0433X	0.00E+00 CPM		EMF 40 Delta Counts Last (5 - 10 min)
P0434X	0.00E+00 CPM		EMF 40 Delta Counts Last (10 -15 min)
A1308	2.00E+00 R/hr		EMF 53A Containment High Range Monitor A
P0582	2.00E+00 R/hr		EMF 53A Containment High Range 15 Min run Ave
A1314	2.10E+00 R/hr		EMF 53B Containment High Range Monitor B
P0583	2.10E+00 R/hr		EMF 53B Containment High Range 15 Min run Ave

TIME

22:45

Unit Vent

A1104	7000 CPM	Unit Vent Stack Flow
A0013	9.50E+01 CPM	EMF 36L Unit Vent Gas Monitor
P0585	9.50E+01 CPM	EMF 36L Unit Vent Gas Monitor 15 Min run Ave
A0019	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor
P0586	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor 15 Min run Ave
A0012	1.02E+02 CPM	EMF 35L Unit Vent Particulate
A0018	1.02E+02 CPM	EMF 35H Unit Vent Particulate
A0048	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor
P0588	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor 15 Min run Ave
P1822	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count Last 15 Min
P0129	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (0 - 5 Min)
P0130	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (5 - 10 Min)
P0131	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (10 - 15 Min)
A1315	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor
P0587	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor 15 Min run Ave

MISC EMP

A0061	2.50E+05 CPM	EMF 48 Reactor Coolant Monitor
A0060	4.40E+01 CPM	EMF 41 Auxiliary Building Ventilation

Time

23:00

UNIT 1

P ID	Reading	Units	Description
Metereological			
A0483	7.00 MPH		Upper Wind Speed 15 Min Ave
A0485	6.90 MPH		Lower Wind Speed 15 Min Ave (preferred)
A0484	105.00 degree C		Upper Wind Direction 15 Min Ave (preferred)
A0489	103.00 degree C		Lower Wind Direction 15 Min ave
A1127	29.88 IN HG		Barometric Pressure
A0490	1.70 degree C		Ambient Air D/T Elev 662 & 762 15 Min Ave
A1172	19.50 degree C		Ambient Air Temp Elev 662 15 Min Ave
A0496	17.00 degree C		Dewpoint
P0595	0.00 IN		Precipitation in Last 15 Min
Steam Relief			
A1008	9.96E-03 R/hr		EMF 26 Steamline A Rad Monitor
P0576	9.96E-03 R/hr		EMF 26 Steam Line A Rad Monitor 15 Min run Ave
P0596	*	LBM	S/G A Main Steam Released in Last 15 Min
A1014	9.96E-03 R/hr		EMF 27 Steamline B Rad Monitor
P0577	9.96E-03 R/hr		EMF 27 Steam Line B Rad Monitor 15 Min run Ave
P0597	*	LBM	S/G B Main Steam Released in Last 15 Min
A1020	9.96E-03 R/hr		EMF 28 Steamline C Rad Monitor
P0578	9.96E-03 R/hr		EMF 28 Steam Line C Rad Monitor 15 Min run Ave
P0598	*	LBM	S/G C Main Steam Released in Last 15 Min
A1026	9.96E-03 R/hr		EMF 29 Steamline D Rad Monitor
P0579	9.96E-03 R/hr		EMF 29 Steam Line D Rad Monitor 15 Min run Ave
P0599	*	LBM	S/G D Main Steam Released in Last 15 Min
P0132	9.96E-03 R/hr		Main Steam EMF Ave During Prev 15 Min
Containment			
A0743	1.5 PSIG		Containment Pressure Channel 2 (-5 to +5 PSIG)
A1499	1.5 PSIG		Containment W/R Pressure Train A (-5 to 60 PSIG)
A0025	3.83E+03 CPM		EMF 39L Containment Gas Monitor
P0580	3.81E+03 CPM		EMF 39I Containment Gas Monitor 15 Min run Ave
A0031	1.74E+01 CPM		EMF 39H Containment Gas Monitor
P0581	1.74E+01 CPM		EMF 39H Containment Gas Monitor 15 Min run Ave
A0054	6.00E+02 CPM		EMF 40 Containment Iodine Monitor
P0584	6.00E+02 CPM		EMF 40 Containment Iodine Monitor 15 Min run Ave
P0431X	0.00E+00 CPM		EMF 40 Delta Counts Last 15 Min
P0432X	0.00E+00 CPM		EMF 40 Delta Counts Last (0 - 5 min)
P0433X	0.00E+00 CPM		EMF 40 Delta Counts Last (5 - 10 min)
P0434X	0.00E+00 CPM		EMF 40 Delta Counts Last (10 -15 min)
A1308	2.00E+00 R/hr		EMF 53A Containment High Range Monitor A
P0582	2.00E+00 R/hr		EMF 53A Containment High Range 15 Min run Ave
A1314	2.10E+00 R/hr		EMF 53B Containment High Range Monitor B
P0583	2.10E+00 R/hr		EMF 53B Containment High Range 15 Min run Ave

TIME	23:06	Unit Vent
A1104	7000 CPM	Unit Vent Stack Flow
A0013	9.50E+01 CPM	EMF 36L Unit Vent Gas Monitor
P0585	9.50E+01 CPM	F'AF 36L Unit Vent Gas Monitor 15 Min run Ave
A0019	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor
P0586	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor 15 Min run Ave
A0012	1.02E+02 CPM	EMF 35L Unit Vent Particulate
A0018	1.02E+02 CPM	EMF 35H Unit Vent Particulate
A0048	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor
P0588	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor 15 Min run Ave
P1822	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count Last 15 Min
P0129	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (0 - 5 Min)
P0130	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (5 - 10 Min)
P0131	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (10 - 15 Min)
A1315	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor
P0587	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor 15 Min run Ave

MISC EMF

A0061	2.50E+05 CPM	EMF 48 Reactor Coolant Monitor
A0060	4.40E+01 CPM	EMF 41 Auxiliary Building Ventilation

P ID	Reading	Units	Description
<i>Metereological</i>			
A0483	7.20 MPH		Upper Wind Speed 15 Min Ave
A0485	7.00 MPH		Lower Wind Speed 15 Min Ave (preferred)
A0484	103.00 degree C		Upper Wind Direction 15 Min Ave (preferred)
A0489	99.00 degree C		Lower Wind Direction 15 Min Ave
A1127	29.88 IN HG		Barometric Pressure
A0490	1.60 degree C		Ambient Air D/T Elev 662 & 762 15 Min Ave
A1172	19.50 degree C		Ambient Air Temp Elev 662 15 Min Ave
A0496	17.00 degree C		Dewpoint
P0595	0.00 IN		Precipitation in Last 15 Min
<i>Steam Relief</i>			
A1008	9.96E-03 R/hr		EMF 26 Steamline A Rad Monitor
P0576	9.96E-03 R/hr		EMF 26 Steam Line A Rad Monitor 15 Min run Ave
P0596	* LBM		S/G A Main Steam Released in Last 15 Min
A1014	9.96E-03 R/hr		EMF 27 Steamline B Rad Monitor
P0577	9.96E-03 R/hr		EMF 27 Steam Line B Rad Monitor 15 Min run Ave
P0597	* LBM		S/G B Main Steam Released in Last 15 Min
A1020	9.96E-03 R/hr		EMF 28 Steamline C Rad Monitor
P0578	9.96E-03 R/hr		EMF 28 Steam Line C Rad Monitor 15 Min run Ave
P0598	* LBM		S/G C Main Steam Released in Last 15 Min
A1026	9.96E-03 R/hr		EMF 29 Steamline D Rad Monitor
P0579	9.96E-03 R/hr		EMF 29 Steam Line D Rad Monitor 15 Min run Ave
P0599	* LBM		S/G D Main Steam Released in Last 15 Min
P0132	9.96E-03 R/hr		Main Steam EMF Ave During Prev 15 Min
<i>Containment</i>			
A0743	1.5 PSIG		Containment Pressure Channel 2 (-5 to +5 PSIG)
A1499	1.5 PSIG		Containment W/R Pressure Train A (-5 to 60 PSIG)
A0025	3.89E+03 CPM		EMF 39L Containment Gas Monitor
P0580	3.86E+03 CPM		EMF 39L Containment Gas Monitor 15 Min run Ave
A0031	1.74E+01 CPM		EMF 39H Containment Gas Monitor
P0581	1.74E+01 CPM		EMF 39H Containment Gas Monitor 15 Min run Ave
A0054	6.00E+02 CPM		EMF 40 Containment Iodine Monitor
P0584	6.00E+02 CPM		EMF 40 Containment Iodine Monitor 15 Min run Ave
P0431X	0.00E+00 CPM		EMF 40 Delta Counts Last 15 Min
P0432X	0.00E+00 CPM		EMF 40 Delta Counts Last (0 - 5 min)
P0433X	0.00E+00 CPM		EMF 40 Delta Counts Last (5 - 10 min)
P0434X	0.00E+00 CPM		EMF 40 Delta Counts Last (10 - 15 min)
A1308	2.00E+00 R/hr		EMF 53A Containment High Range Monitor A
P0582	2.00E+00 R/hr		EMF 53A Containment High Range 15 Min run Ave
A1314	2.10E+00 R/hr		EMF 53B Containment High Range Monitor B
P0583	2.10E+00 R/hr		EMF 53B Containment High Range 15 Min run Ave

TIME

23:15

Unit Vent

A1104	7000 CPM	Unit Vent Stack Flow
A0013	9.50E+01 CPM	EMF 36L Unit Vent Gas Monitor
P0585	9.50E+01 CPM	EMF 36L Unit Vent Gas Monitor 15 Min run Ave
A0019	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor
P0586	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor 15 Min run Ave
A0012	1.02E+02 CPM	EMF 35L Unit Vent Particulate
A0018	1.02E+02 CPM	EMF 35H Unit Vent Particulate
A0048	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor
P0588	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor 15 Min run Ave
P1822	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count Last 15 Min
P0129	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (0 - 5 Min)
P0130	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (5 - 10 Min)
P0131	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (10 - 15 Min)
A1315	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor
P0587	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor 15 Min run Ave

MISC EMP

A0061	2.50E+05 CPM	EMF 48 Reactor Coolant Monitor
A0060	4.40E+01 CPM	EMF 41 Auxiliary Building Ventilation

P ID	Reading	Units	Description
Meteorological			
A0483	6.30 MPH		Upper Wind Speed 15 Min Ave
A0485	6.20 MPH		Lower Wind Speed 15 Min Ave (preferred)
A0484	100.00 degree C		Upper Wind Direction 15 Min Ave (preferred)
A0489	103.00 degree C		Lower Wind Direction 15 Min ave
A1127	29.88 IN HG		Barometric Pressure
A0490	1.70 degree C		Ambient Air D/T Elev 662 & 762 15 Min Ave
A1172	19.50 degree C		Ambient Air Temp Elev 662 15 Min Ave
A0496	17.00 degree C		Dewpoint
P0595	0.00 IN		Precipitation in Last 15 Min
Steam Relief			
A1008	9.96E-03 R/hr		EMF 26 Steamline A Rad Monitor
P0576	9.96E-03 R/hr		EMF 26 Steam Line A Rad Monitor 15 Min run Ave
P0596	*	LBM	S/G A Main Steam Released in Last 15 Min
A1014	9.96E-03 R/hr		EMF 27 Steamline B Rad Monitor
P0577	9.96E-03 R/hr		EMF 27 Steam Line B Rad Monitor 15 Min run Ave
P0597	*	LBM	S/G B Main Steam Released in Last 15 Min
A1020	9.96E-03 R/hr		EMF 28 Steamline C Rad Monitor
P0578	9.96E-03 R/hr		EMF 28 Steam Line C Rad Monitor 15 Min run Ave
P0598	*	LBM	S/G C Main Steam Released in Last 15 Min
A1026	9.96E-03 R/hr		EMF 29 Steamline D Rad Monitor
P0579	9.96E-03 R/hr		EMF 29 Steam Line D Rad Monitor 15 Min run Ave
P0799	*	LBM	S/G D Main Steam Released in Last 15 Min
P0132	9.96E-03 R/hr		Main Steam EMF Ave During Prev 15 Min
Containment			
A0743	1.5 PSIG		Containment Pressure Channel 2 (-5 to +5 PSIG)
A1499	1.5 PSIG		Containment W/R Pressure Train A (-5 to 60 PSIG)
A0025	3.94E+03 CPM		EMF 39L Containment Gas Monitor
P0580	3.92E+03 CPM		EMF 39L Containment Gas Monitor 15 Min run Ave
A0031	1.74E+01 CPM		EMF 39H Containment Gas Monitor
P0581	1.74E+01 CPM		EMF 39H Containment Gas Monitor 15 Min run Ave
A0054	6.00E+02 CPM		EMF 40 Containment Iodine Monitor
P0584	6.00E+02 CPM		EMF 40 Containment Iodine Monitor 15 Min run Ave
P0431X	0.00E+00 CPM		EMF 40 Delta Counts Last 15 Min
P0432X	0.00E+00 CPM		EMF 40 Delta Counts Last (0 - 5 min)
P0433X	0.00E+00 CPM		EMF 40 Delta Counts Last (5 - 10 min)
P0434X	0.00E+00 CPM		EMF 40 Delta Counts Last (10 - 15 min)
A1308	2.00E+00 R/hr		EMF 53A Containment High Range Monitor A
P0582	2.00E+00 R/hr		EMF 53A Containment High Range 15 Min run Ave
A1314	2.10E+00 R/hr		EMF 53B Containment High Range Monitor B
P0583	2.10E+00 R/hr		EMF 53B Containment High Range 15 Min run Ave

TIME	23:30	Unit Vent
A1104	7000 CFM	Unit Vent Stack Flow
A0013	9.50E+01 CPM	EMF 36L Unit Vent Gas Monitor
P0585	9.50E+01 CPM	EMF 36L Unit Vent Gas Monitor 15 Min run Ave
A0019	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor
P0586	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor 15 Min run Ave
A0012	1.02E+02 CPM	EMF 35L Unit Vent Particulate
A0018	1.02E+02 CPM	EMF 35H Unit Vent Particulate
A0048	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor
P0588	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor 15 Min run Ave
P1822	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count Last 15 Min
P0129	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (0 - 5 Min)
P0130	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (5 - 10 Min)
P0131	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (10 - 15 Min)
A1315	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor
P0587	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor 15 Min run Ave

MISC EMF

A0061	2.50E+05 CPM	EMF 48 Reactor Coolant Monitor
A0060	4.40E+01 CPM	EMF 41 Auxiliary Building Ventilation

P ID	Reading	Units	Description
Meteorological			
A0483	6.70 MPH		Upper Wind Speed 15 Min Ave
A0485	7.00 MPH		Lower Wind Speed 15 Min Ave (preferred)
A0484	99.00 degree C		Upper Wind Direction 15 Min Ave (preferred)
A0489	100.00 degree C		Lower Wind Direction 15 Min Ave
A1127	29.88 IN HG		Barometric Pressure
A0490	1.80 degree C		Ambient Air D/T Elev 662 & 762 15 Min Ave
A1172	19.00 degree C		Ambient Air Temp Elev 662 15 Min Ave
A0496	17.00 degree C		Dewpoint
P0595	0.00 IN		Precipitation in Last 15 Min
SteamRelief			
A1008	9.96E-03 R/hr		EMF 26 Steamline A Rad Monitor
P0576	9.96E-03 R/hr		EMF 26 Steam Line A Rad Monitor 15 Min run Ave
P0596	*	LBM	S/G A Main Steam Released in Last 15 Min
A1014	9.96E-03 R/hr		EMF 27 Steamline B Rad Monitor
P0577	9.96E-03 R/hr		EMF 27 Steam Line B Rad Monitor 15 Min run Ave
P0597	*	LBM	S/G B Main Steam Released in Last 15 Min
A1020	9.96E-03 R/hr		EMF 28 Steamline C Rad Monitor
P0578	9.96E-03 R/hr		EMF 28 Steam Line C Rad Monitor 15 Min run Ave
P0598	*	LBM	S/G C Main Steam Released in Last 15 Min
A1026	9.96E-03 R/hr		EMF 29 Steamline D Rad Monitor
P0579	9.96E-03 R/hr		EMF 29 Steam Line D Rad Monitor 15 Min run Ave
P0599	*	LBM	S/G D Main Steam Released in Last 15 Min
P0132	9.96E-03 R/hr		Main Steam EMF Ave During Prev 15 Min
Containment			
A0743	1.5 PSIG		Containment Pressure Channel 2 (-5 to +5 PSIG)
A1499	1.5 PSIG		Containment W/R Pressure Train A (-5 to 60 PSIG)
A0025	4.05E+03 CPM		EMF 39L Containment Gas Monitor
P0580	4.00E+03 CPM		EMF 39L Containment Gas Monitor 15 Min run Ave
A0031	1.74E+01 CPM		EMF 39H Containment Gas Monitor
P0581	1.74E+01 CPM		EMF 39H Containment Gas Monitor 15 Min run Ave
A0054	6.00E+02 CPM		EMF 40 Containment Iodine Monitor
P0584	6.00E+02 CPM		EMF 40 Containment Iodine Monitor 15 Min run Ave
P0431X	0.00E+00 CPM		EMF 40 Delta Counts Last 15 Min
P0432X	0.00E+00 CPM		EMF 40 Delta Counts Last (0 - 5 min)
P0433X	0.00E+00 CPM		EMF 40 Delta Counts Last (5 - 10 min)
P0434X	0.00E+00 CPM		EMF 40 Delta Counts Last (10 - 15 min)
A1308	2.00E+00 R/hr		EMF 53A Containment High Range Monitor A
P0582	2.00E+00 R/hr		EMF 53A Containment High Range 15 Min run Ave
A1314	2.10E+00 R/hr		EMF 53B Containment High Range Monitor B
P0583	2.10E+00 R/hr		EMF 53B Containment High Range 15 Min run Ave

TIME	23:45	Unit Vent
A1104	7000 CFM	Unit Vent Stack Flow
A0013	9.50E+01 CPM	EMF 36L Unit Vent Gas Monitor
P0585	9.50E+01 CPM	EMF 36L Unit Vent Gas Monitor 15 Min run Ave
A0019	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor
P0586	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor 15 Min run Ave
A0012	1.02E+02 CPM	EMF 35L Unit Vent Particulate
A0018	1.02E+02 CPM	EMF 35H Unit Vent Particulate
A0048	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor
P0588	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor 15 Min run Ave
P1822	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count Last 15 Min
P0129	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (0 - 5 Min)
P0130	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (5 - 10 Min)
P0131	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (10 - 15 Min)
A1315	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor
P0587	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor 15 Min run Ave

MISC EMF

A0061	2.50E+05 CPM	EMF 48 Reactor Coolant Monitor
A0060	4.40E+01 CPM	EMF 41 Auxiliary Building Ventilation

P ID	Reading	Units	Description
Metorological			
A0483	7.00	MPH	Upper Wind Speed 15 Min Ave
A0485	6.88	MPH	Lower Wind Speed 15 Min Ave (preferred)
A0484	100.00	degree C	Upper Wind Direction 15 Min Ave (preferred)
A0489	99.00	degree C	Lower Wind Direction 15 Min ave
A1127	29.88	IN HG	Barometric Pressure
A0490	1.70	degree C	Ambient Air D/T Elev 662 & 762 15 Min Ave
A1172	19.00	degree C	Ambient Air Temp Elev 662 15 Min Ave
A0496	17.00	degree C	Dewpoint
P0595	0.00	IN	Precipitation in Last 15 Min
SteamRelief			
A1008	9.96E-03	R/hr	EMF 26 Steamline A Rad Monitor
P0576	9.96E-03	R/hr	EMF 26 Steam Line A Rad Monitor 15 Min run Ave
P0596	*	LBM	S/G A Main Steam Released in Last 15 Min
A1014	9.96E-03	R/hr	EMF 27 Steamline B Rad Monitor
P0577	9.96E-03	R/hr	EMF 27 Steam Line B Rad Monitor 15 Min run Ave
P0597	*	LBM	S/G B Main Steam Released in Last 15 Min
A1020	9.96E-03	R/hr	EMF 28 Steamline C Rad Monitor
P0578	9.96E-03	R/hr	EMF 28 Steam Line C Rad Monitor 15 Min run Ave
P0598	*	LBM	S/G C Main Steam Released in Last 15 Min
A1026	9.96E-03	R/hr	EMF 29 Steamline D Rad Monitor
P0579	9.96E-03	R/hr	EMF 29 Steam Line D Rad Monitor 15 Min run Ave
P0599	*	LBM	S/G D Main Steam Released in Last 15 Min
P0132	9.96E-03	R/hr	Main Steam EMF Ave During Prev 15 Min
Containment			
A0743	1.5	PSIG	Containment Pressure Channel 2 (-5 to +5 PSIG)
A1499	1.5	PSIG	Containment W/R Pressure Train A (-5 to 60 PSIG)
A0025	4.07E+03	CPM	EMF 39L Containment Gas Monitor
P0580	4.06E+03	CPM	EMF 39L Containment Gas Monitor 15 Min run Ave
A0031	1.74E+01	CPM	EMF 39H Containment Gas Monitor
P0581	1.74E+01	CPM	EMF 39H Containment Gas Monitor 15 Min run Ave
A0054	6.00E+02	CPM	EMF 40 Containment Iodine Monitor
P0584	6.00E+02	CPM	EMF 40 Containment Iodine Monitor 15 Min run Ave
P0431X	0.00E+00	CPM	EMF 40 Delta Counts Last 15 Min
P0432X	0.00E+00	CPM	EMF 40 Delta Counts Last (0 - 5 min)
P0433X	0.00E+00	CPM	EMF 40 Delta Counts Last (5 - 10 min)
P0434X	0.00E+00	CPM	EMF 40 Delta Counts Last (10 - 15 min)
A1308	2.00E+00	R/hr	EMF 53A Containment High Range Monitor A
P0582	2.00E+00	R/hr	EMF 53A Containment High Range 15 Min run Ave
A1314	2.10E+00	R/hr	EMF 53B Containment High Range Monitor B
P0583	2.10E+00	R/hr	EMF 53B Containment High Range 15 Min run Ave

TIME	Rate	Unit Vent
A1104	7000 CPM	Unit Vent Stack Flow
A0013	9.10E+01 CPM	EMF 36L Unit Vent Gas Monitor
P0585	9.30E+01 CPM	EMF 36L Unit Vent Gas Monitor 15 Min run Ave
A0019	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor
P0586	1.50E+01 CPM	EMF 36H Unit Vent Gas Monitor 15 Min run Ave
A0012	1.02E+02 CPM	EMF 35L Unit Vent Particulate
A0018	1.02E+02 CPM	EMF 35H Unit Vent Particulate
A0048	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor
P0588	1.68E+01 CPM	EMF 37 Unit Vent Iodine Monitor 15 Min run Ave
P1822	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count Last 15 Min
P0129	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (0 - 5 Min)
P0130	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (5 - 10 Min)
P0131	0.00E+00 CPM	EMF 37 Unit Vent Iodine Monitor Delta Count (10 - 15 Min)
A1315	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor
P0587	2.76E+00 R/hr	EMF 54 Unit Vent Extended Range Monitor 15 Min run Ave

MISC EMF

A0061	2.50E+05 CPM	EMF 48 Reactor Coolant Monitor
A0060	4.40E+01 CPM	EMF 41 Auxiliary Building Ventilation

CATAWBA NUCLEAR SITE

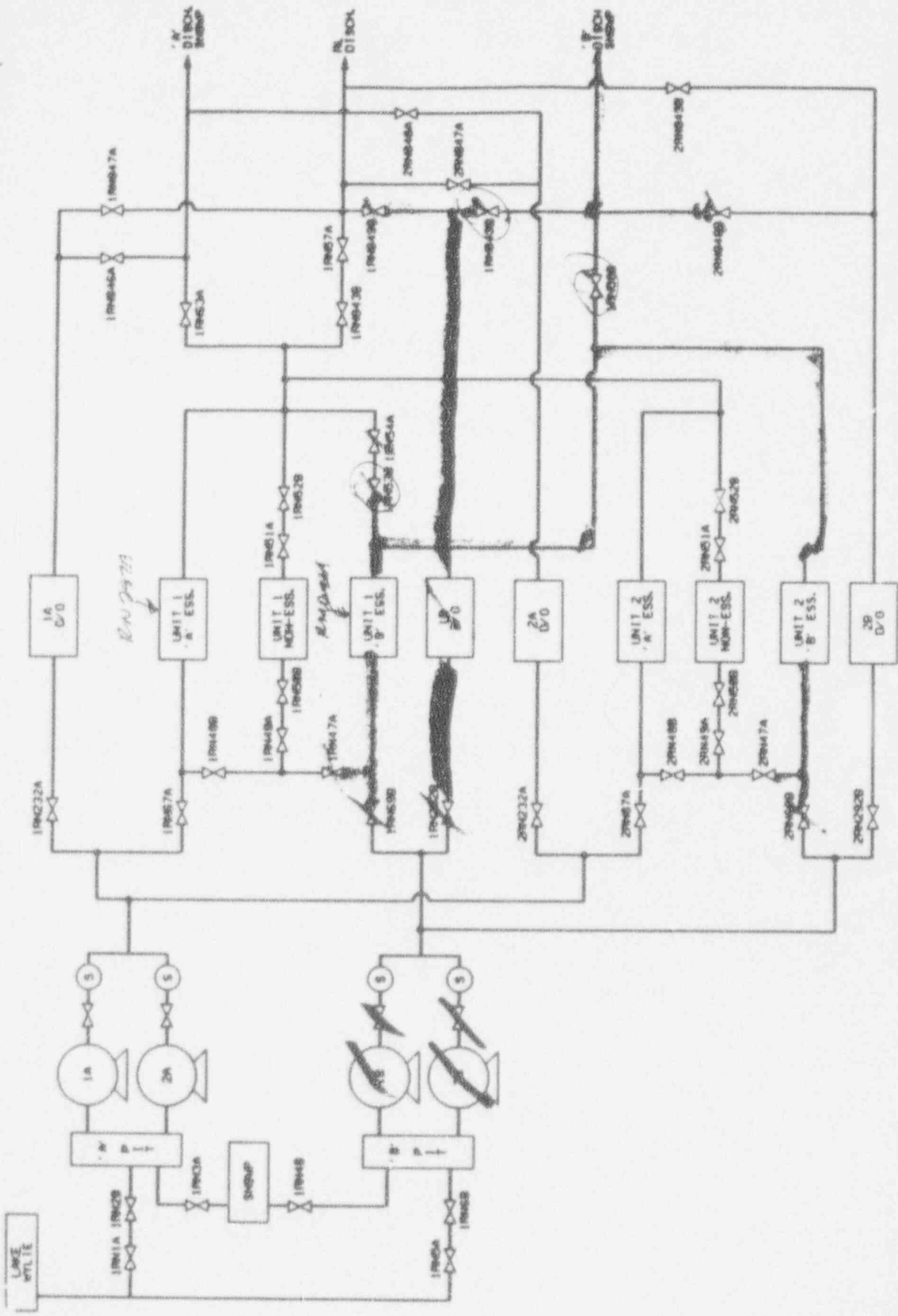


SITE OVERVIEW OF
CATAWBA NUCLEAR STATION



* CNS CMD MEETING
Building *

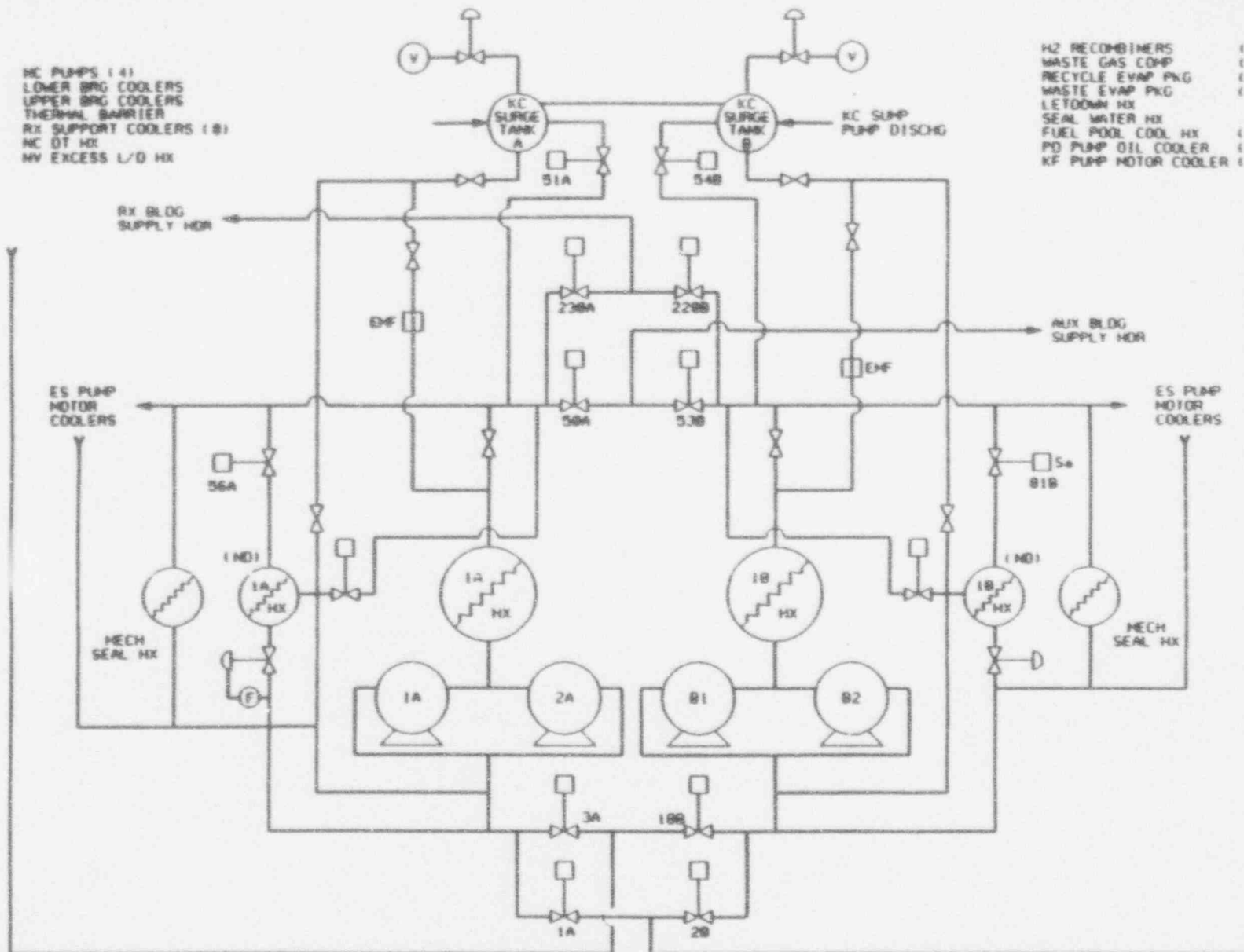
TO: RN INTAKE
STRUCTURE



TITLE:	NOTES:	ID. NO. CN-PSS-RN-22	DATE: 6/22/88
		REF:	
		DRN. BY: TJC/MS	APR. BY:
			TRAINING USE ONLY

KC PUMPS (4)
 LOWER BRG COOLERS
 UPPER BRG COOLERS
 THERMAL BARRIER
 RX SUPPORT COOLERS (8)
 KC DT HX
 MV EXCESS L/O HX

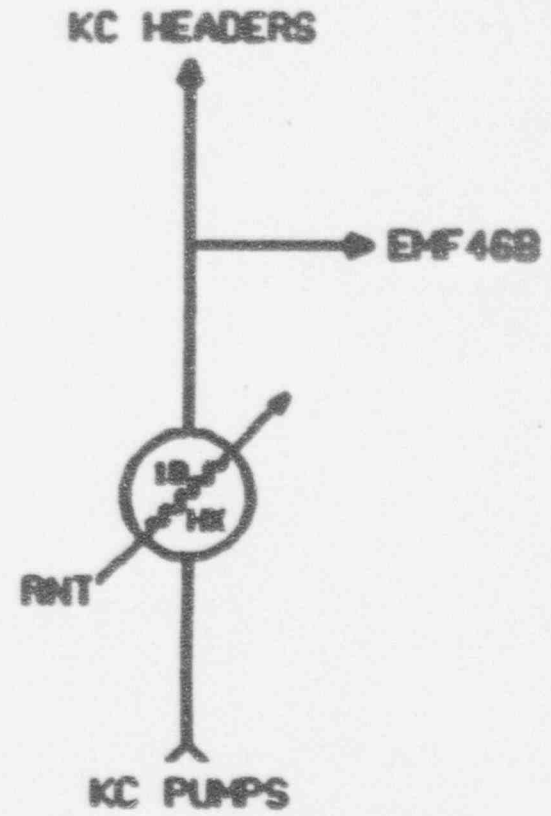
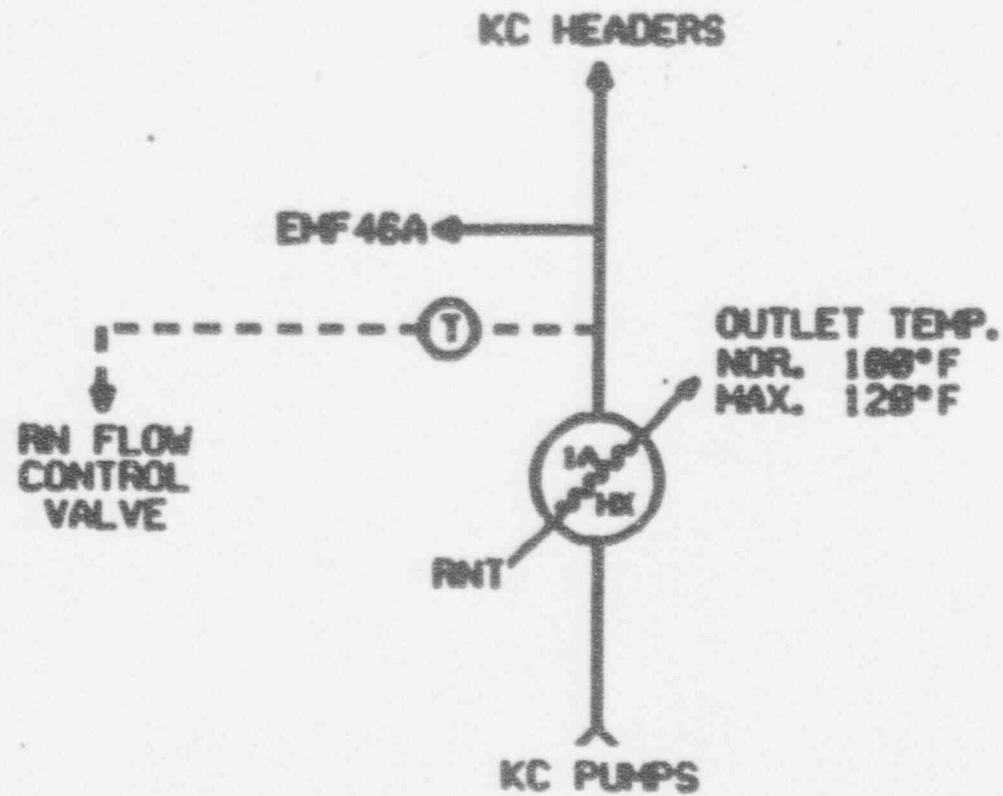
H2 RECOMBINERS (2)
 WASTE GAS COMP (2)
 RECYCLE EVAP PKG (7)
 WASTE EVAP PKG (7)
 LETDOWN HX
 SEAL WATER HX
 FUEL POOL COOL HX (2)
 PD PUMP OIL COOLER (1)
 KF PUMP MOTOR COOLER (2)



TITLE
 Component Cooling System
 (KC)

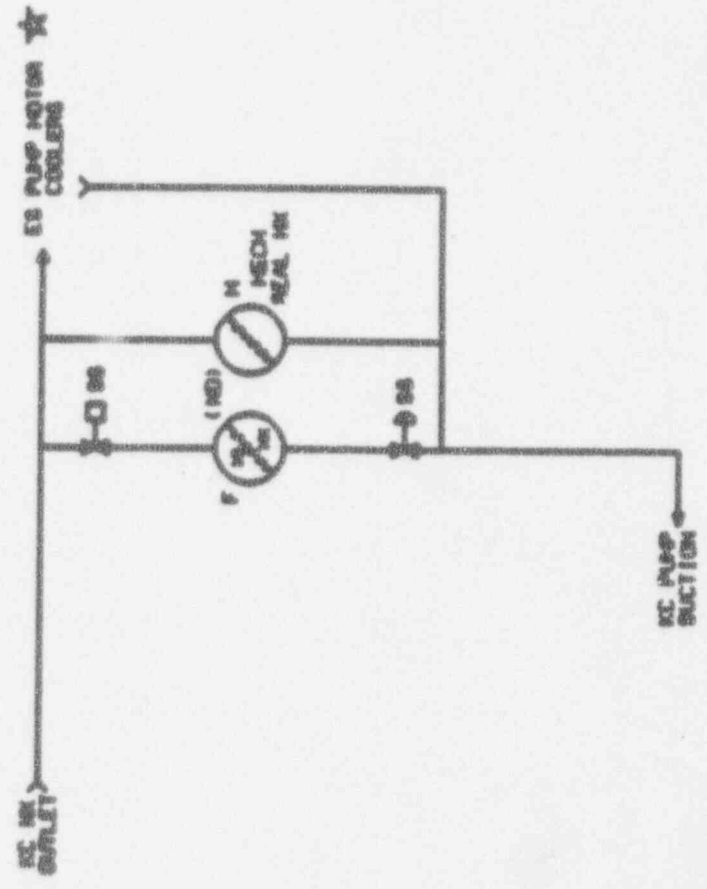
NOTES
 NON Ess Hdrs Isol.
 1-Ss / 2/4 loto FWST lvl.
 2-Sp
 3-Loto surge Tk lvl

ID NO CN-SYS-KC-2 DATE 1/8/87
 REF CN-1573
 DRN BY DRR/BB APPR BY *[Signature]*
 TRAINING USE ONLY



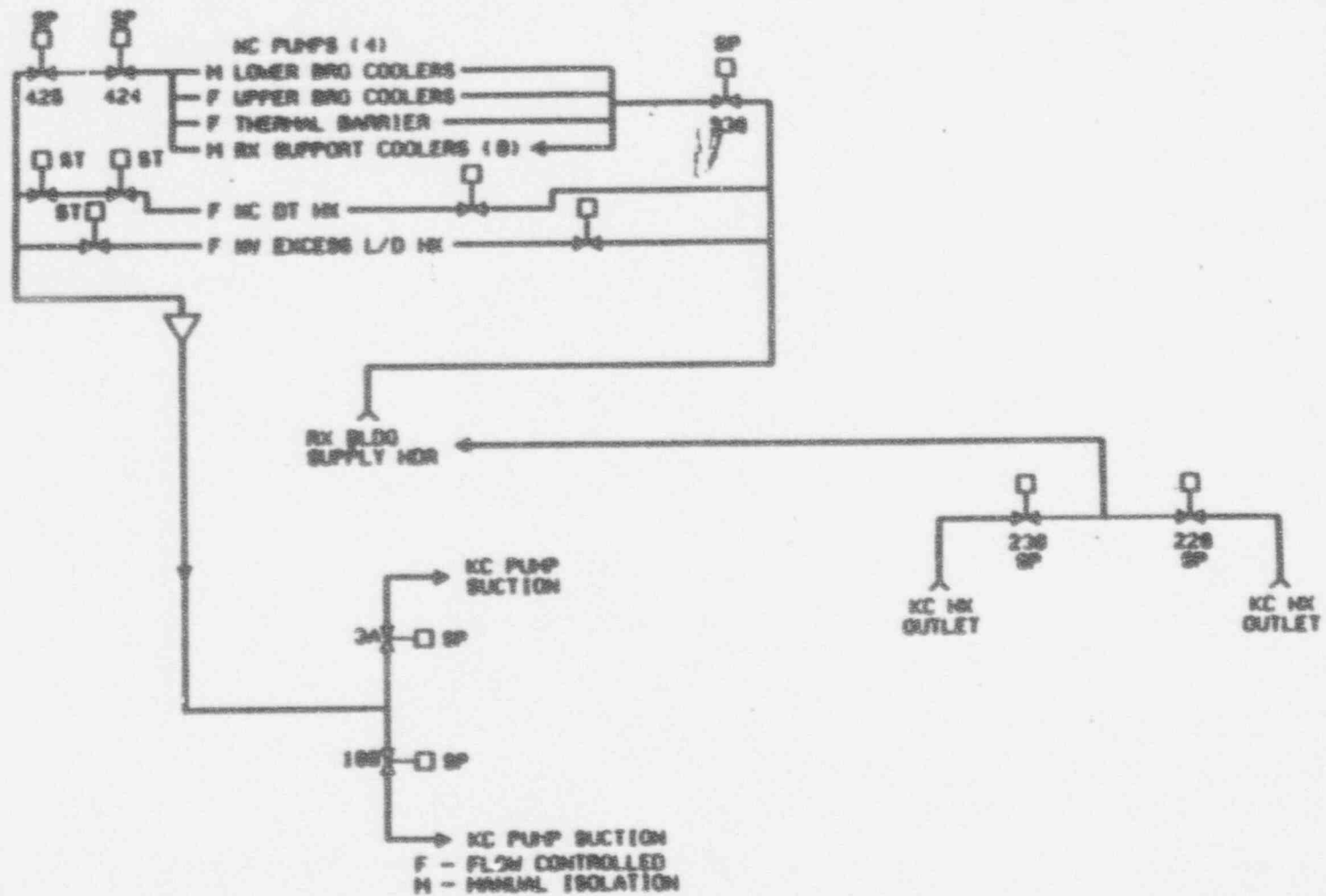
TITLE: COMPONENT COOLING SYSTEM (KC)	NOTES: KC HEAT EXCHANGERS	PART NO. CN-SYS-KC-6 REV. CN-1573-1 DESIGNED BY GM/RWP TRAINING: ILS/TMY	DATE: 1-28-86 APPROVED BY: <i>(Signature)</i>
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☆ POST ACCIDENT LIQUID SAMPLE COOLER M
 1A TRAM (ONLY)
 NO PUMP MOTOR COOLER M
 SC PUMP MOTOR COOLERS M
 CA PUMP MOTOR COOLER M
 NI PUMP MOTOR COOLER M
 NT PUMP MOTOR COOLER M
 PL PUMP MOTOR COOLER M
 PV PUMP MOTOR COOLER M
 RW PUMP MOTOR COOLER M
 SW PUMP MOTOR COOLER M
 TX PUMP MOTOR COOLER M
 YZ PUMP MOTOR COOLER M



F - FLOW CONTROLLED
 M - MANUAL ISOLATION

COMPONENT COOLING SYSTEM (KC)	KC ESSENTIAL HEADERS	CN-SYS-KC-7 CN-1573-1	1-28-86
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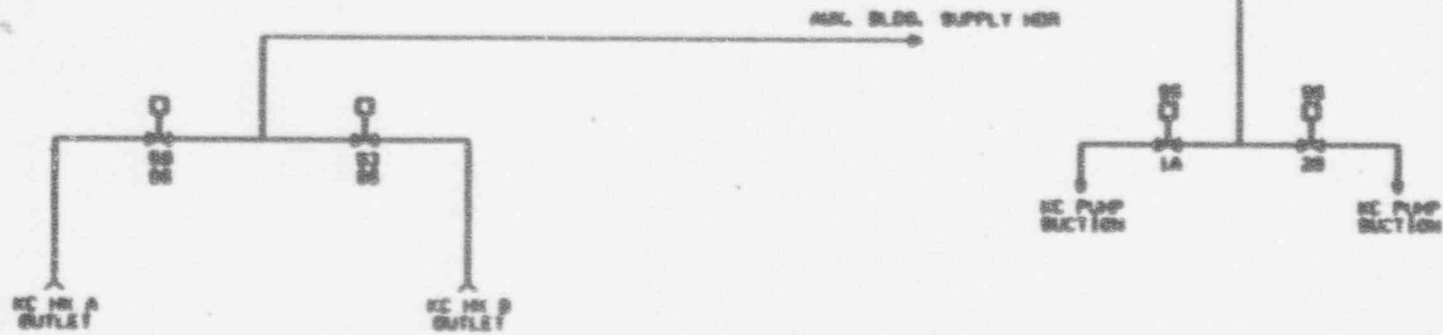


TITLE:
 COMPONENT COOLING
 SYSTEM (KC)

TITLE:
 KC NON ESSENTIAL
 HEADER TO REACTOR BLDG.

DESIGNED: CN-SYS-KC-8 DATE: 1-28-86
DRAWN: CN-1573-1
CHECKED: GM/RWP DATE: 8/21
TRAINING: IKS (MAY)

F H2 RECEPTORS 121
 F WASTE SNG COND 121
 RECYCLE SWP PDB 121
 WASTE SWP PDB 121
 F SWP & WENT COND 121
 F DIST COOLER 121
 M COND HI 121
 M SAMPLE HI 121
 Y LEYDUN HI 121
 F SEAL WATER HI 121
 M FUEL POOL COOL HI 121
 M PD PUMP OIL COOLER 121
 M KP PUMP MOTOR COOLER 121



F - FLOW CONTROLLED
 M - MANUAL ISOLATION
 PS - MANUAL LOCKER
 Y - TEMPERATURE CONTROLLED

TITLE
 COMPONENT COOLING
 SYSTEM (KC)

NOTES
 KC NON ESSENTIAL HEADER
 TO AUX. BLDG

ID NO CN-SYS-KC-9 DATE 1-29-86

REF CN-1573-1

DRN BY GM / RWP

APE BY *GM*

TRAINING USE ONLY

SYSTEM DESIGNATORS

<u>Name of System</u>	<u>Implied Meaning</u>
<u>A Steam Services Systems</u>	
AD Standby Shutdown Diesel System	
AS Auxiliary Steam System	<u>A</u> uxiliary <u>S</u> team
<u>B Boiler (Steam Generator-N) Services Systems</u>	
BB Steam Generator Blowdown Recycle System	<u>B</u> oiler <u>B</u> lowdown
BW Steam Generator Wet Lay-up	<u>B</u> oiler <u>W</u> et Lay-up
<u>C Condensate - Feedwater System</u>	
CA Auxiliary Feedwater System (Including Recir.)	<u>C</u> ondensate <u>A</u> uxiliary
CB Auxiliary Boiler Feedwater System (Including Recir.)	<u>C</u> ondensate <u>B</u> oiler
CF Feedwater Sys (Including Recir.)	<u>C</u> ondensate <u>F</u> eedwater
CL FDWP Condensate Seal Sys (supply & leak off)	<u>C</u> ondensate Seal & <u>L</u> eakoff
CM Condensate Sys (Including Recir, Polishing Deminerallier	<u>C</u> ondensate <u>M</u> ain
CS Condensate Storage Sys.	<u>C</u> ondensate <u>S</u> torage
CT Conventional Sampling Sys.	<u>C</u> ondensate <u>T</u> esting
<u>D Desuperheater System</u>	
<u>E Electrical Systems</u>	
<u>Switchyard AC System</u>	
EBI 230KV Switchyard 480, 208/120V AC System	

Name of System

Implied Meaning

Switchyard DC System

EBH 230KV Switchyard 125V DC System

Switchyard Cable Support System

EBB 230KV Switchyard Cable Support System

EBA 230KV Switchyard Physical Layout System

EBD 230KV Switchyard Protective Relaying System

EBE 230KV Switchyard Control System

Switchyard Fire Detection/Protection Systems

EBG 230KV Switchyard Fire Detection/Protection System

Switchyard Grounding System

EBC 230KV Switchyard Grounding System

Switchyard Lighting System

EBL 230KV Switchyard Lighting System

EBF 230KV Switchyard Metering & Monitoring System

Switchyard Monitoring System

ERE Unit Main Power System Control System

EPA Unit Main Power System (22KV)

Auxiliary Power System

EPB 6.9KV Normal Auxiliary Power System

EPC 4.16KV Essential Auxiliary Power System

EPD 600V AC Normal Auxiliary Power System

EPE 600V Essential Auxiliary Power System

EPF 240/120 VAC Auxiliary Control Power System

EPG 120 VAC Vital Instrumentation & Control
Power System

EPH 208/120 VAC Normal Auxiliary Power System

EPJ 250V DC Auxiliary Power System

Name of System

Implied Meaning

EPK 125V DC Auxiliary Control Power System
EPL 125V DC Vital Instrumentation & Control Power System
EPM 13.8KV Normal Auxiliary Power System
EPR 240/120V AC Normal Aux. Power Sys.
EPQ 125V DC (Essential) Diesel Auxiliary Power System
EPW 600V AC Station Normal Aux. Power Sys.
EPY 240/120V AC Essential Aux. Power Sys.
EPZ 240/120V AC Station Normal Aux. Power Sys.
ETA 208/120V Station Normal Aux. Power Sys.
ETB 4.16V Blackout Aux. Power Sys.
ETC 600V AC Blackout Aux. Power Sys.
ETE 208/120 VAC Blackout Auxiliary Power System
ETF 600 VAC Cooling Tower Auxiliary Power System
ETL 600/208/120V AC Standby Shutdown Facility Auxiliary Power System
ETM 250V DC/125V DC Standby Shutdown Facility Auxiliary Power System

Lighting System

ELN Normal Lighting Sys. (AC)
ELA Emergency Lighting System (AC)
ELD Emergency Lighting System (DCO)
EHT Trace Heating System

Plant Grounding System

EVA Station Grounding System
EVB Instrument Grounding System
EVC Computer Grounding System

<u>Name of System</u>	<u>Implied Meaning</u>
<u>Communication System</u>	
ECB Normal Communication System (Bell Telephone System)	
ECI Interplant Telephone System	
ECP Public Address System	
ECM Microwave System (Interfaced with Interplant Telephone System)	
ECD Microwave (Dispatch) System	
ECF Intercommunication System (Gate Station Intercom)	
ECG Fuel Handling Intercomm. Sys. (Sound Powered Telephone)	
ECH Test Department Intercomm. Sys. (Sound Powered Telephone)	
ECE Communication System (Emergency)	
ERA <u>Transformer Station Physical Layout System</u>	
ERB <u>Transformer Station Cable Support System</u>	
ERC <u>Transformer Station Grounding System</u>	
ERF <u>Unit Main Power System Metering and Monitoring System</u>	
<u>Plant Monitoring System</u>	
EMA ESF Bypass Indication System (Regulatory Guide 1.47 Panel)	
EMB Annunciator Alarm System (Unit)	
EMC Event Recorder System (Plant)	
EMD Loose Parts Monitoring System (Unit)	
EME Power Monitoring System (Reactor Coolant Pumps)	
EMF Radiation Monitoring System (Unit)	
EMG Recorder System	
EMH Vibration Monitoring Sys. (Reactor Coolant Pumps)	

<u>Name of System</u>	<u>Implied Meaning</u>
EMI Vibration Monitoring Sys. (Other than R.C.P's)	
EMJ Closed Circuit Television Monitoring System	
EMK Evacuation Alarm System	
EMT Class 1E Equipment Area Temperature Monitoring System	
<u>Protective Relaying System</u>	
ERD Unit Main Power System Protective Relaying System	
ERN Class 1E Diesel Protective Relaying and Metering System	
<u>Plant Cable Support System</u>	
EWA Cable Room	
Cable Support System	
EWB Equipment Room	
Cable Support System	
EWC General Plant Cable Support System	
EQA <u>Main Control Room Board System</u>	
EQC <u>Safe Shutdown Control Panel System</u>	
ZA <u>Electrical Penetrations</u>	
EYA Electrical Test System	
EDA <u>Control Rod Drive Position Indication System</u>	
<u>Coordinated Process Control System</u>	
EIA NSSS Process Instrumentation & Control System - Nuclear	
EIB Balance of Plant Process Instrumentation and Control System	
EQB <u>Diesel Load Sequencing System (Class 1E)</u>	
EQC <u>Diesel Control System (Class 1E)</u>	
EQD <u>Safe Shutdown Diesel Control System</u>	

<u>Name of System</u>	<u>Implied Meaning</u>
EKA <u>Dispatch Control System</u>	
EEA <u>Environmental Instrumentation System</u>	
EVE <u>Electrical Reach Rod Plug Valves Control System</u>	
EFA <u>Fire Detection System</u>	
EGA <u>Generator Cooling System</u>	
EGB <u>Generator Excitation System</u>	
EGC <u>Generator Instrumentation and Control System</u>	
EEB <u>Meteorological Instrumentation System</u>	
<u>Nuclear Instrumentation System</u>	
ENA <u>In-Core Instrumentation System</u>	
ENB <u>Out-of-Core Instrumentation System</u>	
EXA <u>Plant Security System</u>	
EXH <u>Electrically Operated Cranes & Hoists</u>	
EXS <u>Electrically Operated Doors, Machine Shop Equip., Water Heaters, Welding Feeders</u>	
EUC <u>Cathodic Protection - System</u>	
<u>F Fuel Handling System</u>	
FC <u>Nuclear Fuel Handling System</u>	<u>Fuel</u> <u>C</u> arrying
FD <u>Diesel Generator Engine Fuel Oil System</u>	<u>Fuel</u> <u>D</u> iesel
FW <u>Refueling Water System</u>	<u>Fuel</u> <u>W</u> ater
<u>G Compressed Gas System</u>	
GB <u>Hydrogen Blanket System</u>	<u>G</u> as <u>B</u> lanket
GH <u>Generator Hydrogen System</u>	<u>G</u> as <u>H</u> ydrogen
GN <u>Nitrogen System (Includes Equip. Blanketing)</u>	<u>G</u> as <u>N</u> itrogen
GO <u>Oxygen System</u>	<u>G</u> as <u>O</u> xxygen

<u>Name of System</u>	<u>Implied Meaning</u>
GP CO ₂ Generator Purge System	<u>G</u> as <u>P</u> urge
CS Hydrogen Bulk Storage System	<u>G</u> as <u>S</u> torage
<u>H Heater System</u>	
HA Bleed Steam to "A" Heaters	<u>H</u> eater " <u>A</u> "
HB Bleed Steam to "B" Heaters	<u>H</u> eater " <u>B</u> "
HC Bleed Steam to "C" Heaters	<u>H</u> eater " <u>C</u> "
HD Bleed Steam to "D" Heaters	<u>H</u> eater " <u>D</u> "
HE Bleed Steam to "E" Heaters	<u>H</u> eater " <u>E</u> "
HF Bleed Steam to "F" Heaters	<u>H</u> eater " <u>F</u> "
HG Bleed Steam to "G" Heaters	<u>H</u> eater " <u>G</u> "
HM Moisture Separator-Reheater Bleed Steam	<u>H</u> eater <u>M</u> oisture- <u>S</u> eparator
HR Heater Relief Valve System	<u>H</u> eater <u>R</u> elief
HS Moisture Separator-Reheater Drain System	<u>H</u> eater <u>S</u> eparator
HV Heater Vent System	<u>H</u> eater <u>V</u> ent
HW Heater Drain System	<u>H</u> eater Drain <u>W</u> ater
<u>I Instrumentation & Control Mechanical Systems</u>	
IAE Containment Personnel Air Lock System	<u>I</u> nstrumentation <u>A</u> ir Lock
ICE Containment Leak Testing System	<u>I</u> nstrumentation <u>C</u> ontainment
IDE Steam Dump Control System	<u>I</u> nstrumentation <u>D</u> ump
IEE Seismic (Earthquake) Monitoring System	<u>I</u> nstrumentation <u>E</u> arthquake
IFE Feedwater Control System	<u>I</u> nstrumentation <u>F</u> eedwater
IKE Operator Aid Computer System	<u>I</u> nstrumentation <u>C</u> omputer

<u>Name of System</u>	<u>Implied Meaning</u>
ILE Pressurizer Pressure & Level Control System	Instrumentation <u>L</u> evel
IPE Reactor Protection System	Instrumentation <u>P</u> rotection
IRE Rod Control System	Instrumentation <u>R</u> od
ISE Engineered Safety Features Actuation System	Instrumentation <u>S</u> afety
ITE Main Turbine Instrumentation & Control System & Supervisory System)	Instrumentation <u>T</u> urbine
IWE Feedwater Pump-Turbine Instrumentation and Control System	Instrumentation <u>F</u> eedwater <u>P</u> ump
<u>K Cooling Water System</u>	
KC Component Cooling System	<u>C</u> ooling <u>C</u> omponent
KD Diesel Generator Engine Cooling Water System	<u>C</u> ooling <u>D</u> iesel
KF Spent Fuel Cooling Sys.	<u>C</u> ooling <u>F</u> uel
KG Generator Stator Cooling Water System	<u>C</u> ooling <u>G</u> enerator
KR Recirculated Cooling Water System	<u>C</u> ooling <u>R</u> ecirculated
<u>L Hydraulic & Lubricating Oil System</u>	
LD Diesel Generator Engine Lube Oil System-N	<u>L</u> ube (<u>D</u> iesel)
LF FWP Turbine Lube Oil System (Includes Auxiliary FWP Turbine When Applicable)	<u>L</u> ube <u>F</u> eed <u>P</u> ump
LG Generator Seal Oil System (Iron Horse)	<u>L</u> ube <u>G</u> enerator
LH Main Turbine Hydraulic Oil System	<u>L</u> ube <u>H</u> ydraulic
LP FWP Turbine Hydraulic Oil System (Includes Auxiliary FWP Turbine when Applicable)	<u>L</u> ube <u>P</u> ump
LT Main Turbine Lube Oil and Purification Sys.	<u>L</u> ube <u>T</u> urbine
<u>M Miscellaneous Systems</u>	
MD Miscellaneous Drains & Vents	<u>M</u> iscellaneous <u>D</u> rains

<u>Name of System</u>	<u>Implied Meaning</u>
ME Miscellaneous Embedded Piping	<u>M</u> iscellaneous <u>E</u> mbedded
MF Miscellaneous Field Routed Piping	<u>M</u> iscellaneous <u>F</u> ield
MI Miscellaneous Station Instrumentation	<u>M</u> iscellaneous <u>I</u> nst.
MR Miscellaneous Safety & Relief Valve Discharge	<u>M</u> iscellaneous <u>R</u> elief
MS Miscellaneous Piping Sleeves System	<u>M</u> iscellaneous <u>S</u> leeves
MT Miscellaneous Transfers	<u>M</u> iscellaneous <u>T</u> ransfers
MV Miscellaneous Valves	<u>M</u> iscellaneous <u>V</u> alves
<u>N Reactor Support & Nuclear Associated Systems</u>	
NB Boron Recycle	<u>N</u> uclear <u>B</u> oron Recycle
NC Reactor Coolant System	<u>N</u> uclear <u>C</u> oolant
ND Residual Heat Removal	<u>N</u> uclear <u>D</u> ecay Heat Removal
NF Ice Condenser Refrigeration System	<u>N</u> uclear Ice Condenser Refrig.
NI Safety Injection System	<u>N</u> uclear <u>I</u> njection
NM Nuclear Sampling System	<u>N</u> uclear <u>M</u> onitoring
NR Boron Thermal Regeneration	<u>N</u> uclear <u>R</u> egeneration
NS Containment Spray System	<u>N</u> uclear <u>S</u> pray
NV Chemical & Volume Control System	<u>N</u> uclear <u>V</u> olume Control
NW Containment Penetration Valve Injection Water System	
<u>P Temporary Piping Systems</u>	
PB Temporary Blowout Piping System	<u>P</u> iping <u>B</u> lowout
PC Chemical Cleaning	<u>P</u> iping <u>C</u> hemical
PW Temporary Flush and Washout Piping System	<u>P</u> iping <u>W</u> ashout

<u>Name of System</u>	<u>Implied Meaning</u>
<u>R Raw Water Systems</u>	
RA Condenser Tube Cleaning System	<u>R</u> aw <u>W</u> ater <u>A</u> mertap
RC Condenser Circulating Water Systems (Includes blow down lines)	<u>R</u> aw <u>W</u> ater <u>C</u> ondenser
RF Fire Protection System	<u>R</u> aw <u>W</u> ater <u>F</u> ire
RL Conventional Low Pressure Service Watery Sys.	<u>R</u> aw <u>W</u> ater <u>L</u> ow <u>P</u> ressure
RN Nuclear Service Water System	<u>R</u> aw <u>W</u> ater <u>N</u> uclear
RS LPSW Intake Screen Backwash System	<u>R</u> aw <u>W</u> ater <u>S</u> creen
RY Exterior Fire Protection System	<u>R</u> aw <u>W</u> ater <u>Y</u> ard
<u>S Steam Lead Systems</u>	
SA Main Steam Supply to Aux Equipment (Including Aux FDWP Turbine)	<u>S</u> team <u>A</u> uxiliary
SB Main Steam Bypass to Condenser	<u>S</u> team <u>B</u> ypass
SC Turbine Crossover	<u>S</u> team <u>C</u> rossover
SD Steam Lead System Drains	<u>S</u> team <u>D</u> rains
SH Main Steam Leads and/or Headers (By Turbine Manufacturer)	<u>S</u> team <u>H</u> eaders
SM Main Steam	<u>S</u> team <u>M</u> ain
SP Main Steam Supply to FDWP Turbine	<u>S</u> team <u>P</u> ump Turbine
SV Main Steam Vent to Atmosphere	<u>S</u> team <u>V</u> ent
<u>T Turbine Cycle Services Systems</u>	
TE FDWP Turbine Exhaust (Includes Aux FDWP)	<u>T</u> urbine <u>E</u> xhaust
TF FDWP Turbine Steam Seal System	<u>T</u> urbine <u>F</u> eed Pump
TL Main Turbine Leakoff & Steam Seal System (Includes CV Leakoffs and Ventilator Valves)	<u>T</u> urbine <u>L</u> eakoffs
TS Turbine Exhaust Hood Spray System	<u>T</u> urbine <u>S</u> pray

<u>Name of System</u>	<u>Implied Meaning</u>
<u>V Ventilation & Compressed Air Systems</u>	
VA Aux Bldg Ventilation System	<u>V</u> entilation <u>A</u> ux Bldg
VB Breathing Air System	<u>V</u> entilation <u>B</u> reathing Air
VC Control Area HVAC System	<u>V</u> entilation <u>C</u> ontrol Area
VD Diesel Building Ventilation Sys	<u>V</u> entilation <u>D</u> iesel
VE Annulus Ventilation System	<u>V</u> entilation <u>E</u> vacuation
VF Fuel Pool Ventilation System	<u>V</u> entilation <u>F</u> uel Pool
VG Diesel Generator Engine Starting Air Sys	<u>V</u> entilation <u>D</u> iesel <u>G</u> enerator
VH Technical Support Center Ventilation Sys	<u>V</u> entilation <u>H</u> ot Machine <u>S</u> hop
VI Instrument Air System	<u>V</u> entilation <u>I</u> nstrument <u>A</u> ir
VJ Computer Air Conditioning	<u>V</u> entilation, Computer <u>R</u> oom
VK Miscellaneous HVAC	
VM Administration Building HVAC System	<u>V</u> entilation <u>A</u> dministration
VN Diesel Gen. Engine Air Intake & Exhaust Sys	<u>V</u> entilation <u>D</u> iesel Gen. <u>E</u> ngine
VO Turbine Bldg. Ventilation System	<u>V</u> entilation <u>T</u> urbine <u>B</u> uilding (<u>O</u> verhead Units)
VP Containment Purge Ventilation System	<u>V</u> entilation <u>C</u> ontainment <u>P</u> urge
VQ Containment Air Release & Additional System	<u>V</u> entilation <u>C</u> ontrol
VS Station Air Sys	<u>V</u> entilation <u>S</u> tation Air
VV Containment Ventilation System	<u>V</u> entilation <u>C</u> ontainment
VW Service Bldg & Warehouse Vent Sys	<u>V</u> entilation <u>W</u> arehouse
VX Cont. Air Ret. Exch. & Hydrogen Skinner Sys	<u>V</u> entilation (<u>E</u> xchange)
VY Containment Hydrogen Sample & Purge Sys	<u>V</u> entilation <u>H</u> ydrogen

<u>Name of System</u>	<u>Implied Meaning</u>
VZ Nuclear Service Water Pump Structure Vent System	
<u>W Waste Removal System</u>	
WB Service Bldg. Sump Pump System	<u>W</u> aste <u>S</u> ervice <u>B</u> ldg.
WC Conventional Waste Water Treatment	<u>W</u> aste <u>W</u> ater <u>T</u> reatment- <u>C</u> onventional
WD Roof Drains	<u>W</u> aste <u>R</u> oof <u>D</u> rains
WE Equipment Decontamination System	<u>W</u> aste <u>E</u> quipment
WF Floor Drain and Equipment Drains System	<u>W</u> aste <u>F</u> loor <u>D</u> rains
WG Gaseous Waste Management System	<u>W</u> aste <u>G</u> as
WL Liquid Waste Recycle System (Liquid Radwaste)	<u>W</u> aste <u>L</u> iquid
WN Diesel Generator Room Sump Pump System	<u>W</u> aste <u>D</u> iesel <u>G</u> enerator
WO Waste Oil System	<u>W</u> aste <u>O</u> il
WP Turbine Room Sump Pump System (powerhouse)	<u>W</u> aste <u>P</u> owerhouse
WS Nuclear Solid Waste Disposal Sys (solid Radwaste. Includes connection to Liq. Waste).	<u>W</u> aste <u>S</u> olid
WT Sanitation and Waste Treatment System (Plumbing)	<u>W</u> aste <u>T</u> reatment
WY Yard Drains	<u>W</u> aste <u>Y</u> ard
WZ Groundwater Drainage System	<u>W</u> aste <u>Z</u>
<u>Y Treated Water Systems</u>	
YA Conventional Chemical Addition System	<u>Y</u> <u>A</u> ddition
YB Administration Bldg. Chilled Water System	<u>Y</u> <u>A</u> dmistration <u>B</u> ldg.
YC Control Area Chilled Water System	<u>Y</u> <u>C</u> hilled
YD Drinking Water System	<u>Y</u> <u>D</u> rinking
YF Filtered Water System	<u>Y</u> <u>F</u> iltered
YH Heating Water System	<u>Y</u> <u>H</u> eating
YJ Computer Room Chilled Water System	

<u>Name of System</u>	<u>Implied Meaning</u>
YM Makeup Demineralizer Water System	<u>Y</u> <u>M</u> akeup
YR Aux. Bldg. Radiation Area Chilled Water Sys	<u>Y</u> <u>R</u> adiation
YT Cooling Tower Water Treatment System	<u>Y</u> <u>T</u> ower
YV Containment Chilled Water System	
YW Service Building Chilled Water System	
<u>Z</u> <u>V</u> acuum Systems	
ZD Diesel Generator Engine Crankcase Vacuum System	<u>Z</u> <u>D</u> iesel
ZJ Condenser Steam Air Ejector Vacuum System	<u>Z</u> <u>E</u> jector
ZM Main Vacuum System	<u>Z</u> <u>M</u> ain
ZP Vacuum Priming System	<u>Z</u> <u>P</u> riming

CATAWBA NUCLEAR STATION

FIRE DRILL

MAY 26, 1993

SEQUENCE OF EVENTS

THE CATAWBA NUCLEAR STATION FIRE BRIGADE RESPONDS TO FIRE BRIGADE LOCKER LOCATED ON THE 594' ELEVATION OUTSIDE THE UNIT 1 TURBINE BUILDING, DONS PROTECTIVE FIRE FIGHTING CLOTHING AND EQUIPMENT, AND RESPONDS TO FIRE SCENE UNDER DIRECTION OF FIRE BRIGADE CAPTAIN.

THE FIRE BRIGADE WILL ESTABLISH AND BEGIN FIRE FIGHTING FUNCTIONS.

THE STATION FIRE BRIGADE IS UNABLE TO CONTROL THE FIRE AND ADDITIONAL ASSISTANCE IS SUMMONED FROM BETHEL VOLUNTEER FIRE DEPARTMENT.

THE STATION FIRE BRIGADE CONTINUES TO FIGHT THE FIRE WHILE BACK-UP SUPPORT IS ENROUTE.

THE FIRE BRIGADE CAPTAIN DIRECTS JOINT FIRE FIGHTING ACTIVITIES INVOLVING STATION FIRE BRIGADE AND BETHEL VOLUNTEER FIRE DEPARTMENT.

THE FIRE IS EXTINGUISHED, SALVAGE AND OVERHAUL OPERATIONS BEGIN.

SALVAGE AND OVERHAUL OPERATIONS ARE COMPLETED AND FIRE FIGHTING EQUIPMENT IS SECURED.

THE DRILL IS TERMINATED.

EXPECTED ACTIONS

STATION PERSONNEL:

NOTIFY FIRE BRIGADE CAPTAIN, FIRE BRIGADE AND TECHNICAL ASSISTANTS.

ANNOUNCE THE FIRE OVER STATION'S ADDRESS SYSTEM.

FIRE BRIGADE CAPTAIN:

RESPOND TO THE FIRE SCENE TO ESTABLISH AND DIRECT FIRE BRIGADE'S FIRE FIGHTING ACTIVITIES.

ASSESS THE FIRE SITUATION AND REQUEST ASSISTANCE FROM BETHEL VOLUNTEER FIRE DEPARTMENT.

REQUEST SECURITY TO PROVIDE ESCORTS FOR BETHEL VOLUNTEER FIRE DEPARTMENT AND TRAFFIC CONTROL.

THE FIRE CAPTAIN DIRECTS AND COORDINATES FIRE FIGHTING ACTIVITIES WITH STATION FIRE BRIGADE AND BETHEL VOLUNTEER FIRE DEPARTMENT.

FIRE BRIGADE MEMBER:

RESPOND TO FIRE BRIGADE LOCKER, DON PROTECTIVE CLOTHING AND FIRE FIGHTING EQUIPMENT.

RESPOND TO THE SCENE WITH APPROPRIATE CLOTHING AND EQUIPMENT.

SET UP ATTACK HOSES AND PERFORM FIRE FIGHTING ACTIVITIES AS DIRECTED BY FIRE BRIGADE CAPTAIN.

SECURITY PERSONNEL:

WILL RESPOND AND PROVIDE ESCORTS FOR BETHEL VOLUNTEER FIRE DEPARTMENT AND TRAFFIC CONTROL.

BETHEL VOLUNTEER FIRE DEPARTMENT:

RESPOND TO CATAWBA NUCLEAR STATION AND REPORT TO FIRE BRIGADE CAPTAIN.

ASSIST CATAWBA NUCLEAR STATION'S FIRE BRIGADE IN FIRE FIGHTING ACTIVITIES.

Annual Exercise 1993 - Fire

- An unarmed military trainer aircraft, with no one on board, crashes into the corner of the RN Pump Structure. The aircraft glances off of the building, coming to rest near the RN Pump Structure. (A school bus or other large object will represent the wreckage.)
- The corner of the building is damaged (this will be visually simulated) and small fires result in the vicinity of the structure.
- The pilot ejects over the NSWV and swims to the shore to provide responders with information about the plane's cargo. He is uninjured.
- An eye witness will report the crash/fire to the Control Room. He will tell them fire is threatening the RN Pump Structure and that smoke is coming out of the building.
- Upon his arrival, the Fire Brigade Captain will find fuel leaking from the smoking wreckage, the corner of the building damaged, with smoke coming out, and small spot fires burning around the RN Pump Structure.
- The pilot will be available for interview by the players.
- Off-site fire support will be notified for assistance.
- Immediately upon the arrival of the Fire Brigade Captain, the leaking fuel from the wreckage ignites, resulting in engulfment of the wreckage by fire.
- A small fire will be simulated inside the RN Pump Structure, which will burn itself out if the Fire Brigade elects not to make an interior attack.
- The Fire Brigade with assistance from off-site fire support agencies will combat and bring the wreckage fire and spot fires under control. The on-site fire truck will not be allowed to extinguish the fires prior to the off-site fire support arrival.

FIRE BRIGADE EXERCISE

DATE: 5/26/93

TIME: 1900

MESSAGE NO.: FIRE-1

MESSAGE FOR: Person Reporting the Incident

MESSAGE: Advise the (Simulator) Control Room of the following:

"**THIS IS A DRILL MESSAGE...**Some kind of military plane just crashed into the RN Pump House Structure! It ripped a hole in the southwest corner and the plane is on fire! Smoke is coming out of the RN Pump House!"

"I saw the pilot eject over the water - he does not appear to be hurt. It's a mess out here!...**THIS IS A DRILL MESSAGE.**"

NOTES TO CONTROLLERS:

- Damage to the building will be visually simulated. (Damage to the southwest corner and a 5-6' hole in the corner of the roof).
- Smoke will be visible, coming from within the building.
- Controllers will provide any further information requested that would normally be available from the caller.

FIRE BRIGADE EXERCISE

DATE: 5/26/93

TIME:

MESSAGE NO.: FIRE-2

MESSAGE FOR: Fire Brigade Captain (or first arriving FB member)

MESSAGE: Controller will provide information to Fire Brigade Captain only if he cannot visually see it.*

NOTES TO CONTROLLERS:

- Damage to the building will be visually simulated. (Damage to the southwest corner and a 5-6' hole in the corner of the roof).
- Smoke will be visible, coming from within the building.
- Controllers will provide any further information requested that would normally be available on the scene.
- The pilot (who ejected over the NSW) is now on the scene and can answer questions from the players.
- The pilot will be prompted. He is NOT injured.
- *- The aircraft is a military trainer and has no ordnance (weapons, explosives) or hazardous cargo on board, other than fuel.
- The wreckage will be actually burning, with small fires and debris scattered around the area. (No matter what we are actually burning, make sure the Fire Brigade Captain realizes that we are simulating a plane crash and resulting fire).

FIRE BRIGADE EXERCISE

DATE: 5/26/93

TIME:

MESSAGE NO.: FIRE-3

MESSAGE FOR: Fire Brigade Captain (or first arriving FB member)

MESSAGE: Request Off-Site Fire Support

NOTES TO CONTROLLERS: * CONTINGENCY MESSAGE *****

Give this message to the Fire Brigade Captain IF he does not request Off-Site Fire Support.

FIRE BRIGADE EXERCISE

DATE: 5/26/93

TIME:

MESSAGE NO.: FIRE-4

MESSAGE FOR: Fire Brigade Captain (or first arriving FB member)

MESSAGE: The Security Officer on post here tells you that there was no one inside the building at the time of the crash.

NOTES TO CONTROLLERS: * CONTINGENCY MESSAGE *****

- Give this message to the Fire Brigade Captain IF he starts to initiate a search for victims inside the building.
- The Fire Brigade Captain should still be allowed to send a team into the building to assess damages if he chooses to.

FIRE BRIGADE EXERCISE

DATE: 5/26/93

TIME:

MESSAGE NO.: FIRE-5

MESSAGE FOR: Fire Brigade Captain

MESSAGE: The CNS fire truck is out of water.

NOTES TO CONTROLLERS: ** CONTINGENCY MESSAGE **

- Do not allow CNS Fire Brigade to bring the fire under control prior to the arrival of Bethel Fire Department.
- The fire hose connections inside the RN Pump structure will not be available due to (simulated) damage from the crash.

FIRE BRIGADE EXERCISE

DATE: 5/26/93

TIME:

MESSAGE NO.: FIRE-6

MESSAGE FOR: Controller at Fire

MESSAGE: Provide information to the Fire Brigade Captain as necessary.

NOTES TO CONTROLLERS:

- There will be a (simulated) small piece of burning debris inside the RN Pump Structure (Train A).
- If the Fire Brigade elects NOT to attempt an interior attack, the interior fire will burn itself out.
- If an interior search/damage assessment is made, not obvious damage to components will be found.

FIRE BRIGADE EXERCISE

DATE: 5/26/93

TIME:

MESSAGE NO.: Fire-7

MESSAGE FOR: Fire Brigade Captain

MESSAGE: The fire is under control.

NOTES TO CONTROLLERS: Give this message to the Fire Brigade Captain when it is apparent that the fire is well under control.

FIRE BRIGADE EXERCISE

DATE: 5/26/93

TIME:

MESSAGE NO.: FIRE-8

MESSAGE FOR: Fire Brigade Captain

MESSAGE: The fire is out...This portion of the exercise is terminated.

NOTES TO CONTROLLERS: Give this message to the Fire Brigade Captain when all
Controllers agree that all the objectives of this portion of the exercise have been met.

FIRE BRIGADE EXERCISE

DATE:

TIME:

MESSAGE NO.:

MESSAGE FOR:

MESSAGE:

NOTES TO CONTROLLERS:

CATAWBA NUCLEAR STATION

**MEDICAL EMERGENCY
RESPONSE TEAM (MERT)/
RADIATION PROTECTION**

CONTAMINATED INJURY EXERCISE

MAY 26, 1993

CATAWBA NUCLEAR STATION
CONTAMINATED INJURY EXERCISE

PURPOSE

THE PURPOSE OF THE DRILL IS TO EVALUATE THE ABILITY OF STATION PERSONNEL TO PROVIDE APPROPRIATE FIRST AID TREATMENT TO AN INJURED EMPLOYEE WHO IS CONTAMINATED. THE DRILL WILL ALSO EVALUATE THE ABILITY OF STATION PERSONNEL TO MONITOR AND CONTROL RADIOLOGICAL CONTAMINATION AND TO SUCCESSFULLY DECONTAMINATE AN INJURED EMPLOYEE UTILIZING PROPER RADIATION PROTECTION PRACTICES.

OBJECTIVES

UPON TERMINATION OF THIS DRILL, EACH PARTICIPANT SHALL BE ABLE TO:

- 1) EXPLAIN THE STEPS TO BE TAKEN IN ACCESSING AND TREATING CONTAMINATED INDIVIDUALS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 - a) PERFORM A PRIMARY SURVEY FOR DETECTION AND CORRECTION OF ANY LIFE THREATENING INJURIES OR CONDITIONS (AIRWAY, BREATHING, CIRCULATION, ETC.)
 - b) TRIAGE (PRIORITIZE) PATIENTS IF MULTIPLE INJURIES ARE INVOLVED.
 - c) PERFORM SECONDARY SURVEY ON PATIENT(S) TO DETECT AND STABILIZE ANY NON-LIFE THREATENING INJURIES AND OBTAIN VITAL SIGNS.
 - d) REMOVE THE PATIENT TO AN AREA WHERE TREATMENT/DECONTAMINATION PROCEDURES MAY BE PERFORMED, DEPENDING ON THE PHYSICAL CONDITION OF THE PATIENT.
 - e) COMMUNICATE WITH RADIATION PROTECTION ABOUT WHEN DECONTAMINATION PROCEDURES WILL BE PERFORMED, DEPENDING ON THE PHYSICAL CONDITION OF THE PATIENT.
 - 1) IF INJURIES ARE LIFE THREATENING, THE EMERGENCY CARE IS GIVEN TO STABILIZE THE INJURED.
 - 2) RADIATION PROTECTION SHALL DECONTAMINATE AFTER THE INJURED'S CONDITION HAS BEEN STABILIZED OR WHENEVER INJURIES ARE NOT LIFE THREATENING. (DECONTAMINATION SHALL NOT TAKE PLACE BEFORE EMERGENCY CARE).
- g) COMPLETE THE NECESSARY PAPER WORK (MEDICAL EMERGENCY RESPONSE TEAM TREATMENT FORM

II) BRIEFLY DESCRIBE COMMUNICATION AT THE CONTAMINATED INJURY SCENE:

- a) THERE SHALL BE AMPLE COMMUNICATION BETWEEN MERT PERSONNEL AND RADIATION PROTECTION ON CONTAMINATION CONTROL, PATIENTS CONDITION, ETC. IN ORDER FOR BOTH GROUPS TO KEEP INFORMED OF THE EMERGENCY SITUATION.
- b) THE SECURITY SHIFT LIEUTENANT SHALL BE INFORMED OF:
 - 1) STATUS OF INJURED AND EXTENT OF INJURIES.
 - 2) TRANSPORTATION ARRANGEMENTS TO TRANSPORT INJURED INDIVIDUAL TO PIEDMONT MEDICAL CENTER.
 - 3) PICK UP POINT

III) BRIEFLY DESCRIBE THE PRINCIPLE ROLES OF MERT PERSONNEL, SAFETY AND RADIATION PROTECTION IN DEALING WITH A CONTAMINATED INJURY AT THE SCENE.

- a) MERT PERSONNEL SHALL START ASSESSMENT/TREATMENT OF INJURED INDIVIDUAL. MERT PERSONNEL SHALL COMMUNICATE INFORMATION PERTAINING TO THE PATIENT'S STATUS.
- b) THE ROLE OF RADIATION PROTECTION IS TO MONITOR RADIATION AND CONTAMINATION LEVELS. IMPLEMENT THE NECESSARY CONTROLS TO PREVENT THE SPREAD OF CONTAMINATION AND PROVIDE DECONTAMINATION AS NECESSARY.
- c) OPERATIONS SHALL IMPLEMENT NECESSARY PROCEDURES TO INSURE PROPER NOTIFICATION IN THE EVENT AN INJURED EMPLOYEE IS TRANSPORTED OFF-SITE CONTAMINATED.

CATANBA NUCLEAR STATION
CONTAMINATED INJURY EXERCISE
R.P. EVALUATOR'S NOTES

EXPECTED R.P. ACTIONS:

- 1) PROVIDE ANTI-C'S AND CONTAMINATION CONTROL MEASURES FOR RESPONDERS AND INJURED:
 - a) RCZ CONTROL (IF APPLICABLE)
 - 1) ESTABLISH INGRESS/EGRESS PATH W/HERCULITE/PLASTIC
 - b) INSTRUMENT SURVEY
 - 1) INJURED
 - 11) GENERAL AREA
 - c) SMEAR SURVEY
 - d) SAMPLE ANY BODY EFFLUENTS
 - 1) BAG & TAG SAMPLES
 - 11) TRANSPORT AND/OR ANALYZE
 - e) SAMPLE INJURED'S ANTI-C'S (IF APPLICABLE)
- 2) DISPATCH R.P. TO CONTAMINATED FIRST AID ROOM
 - a) PREP ROOM W/SUPPLIES & LAYDOWN MATERIALS
 - b) SECURE VENTILATION

- 3) PREPARE FOR TRANSPORT TO CONTAMINATED FIRST AID ROOM
 - a) MINIMIZE CROSS-CONTAMINATION
 - b) CONTROL VICTIM/RESPONDERS EGRESS FROM EVENT SITE
- 4) ESCORT VICTIM/RESPONDERS TO FIRST AID ROOM
- 5) DISPATCH R.P. TO RECOVER/SURVEY ACCIDENT AREA AND PATH TAKEN TO FIRST AID ROOM
- 6) CONTROL CONTAMINATION & PROVIDE PROTECTION IN FIRST AID ROOM
- 7) REMOVE VICTIM'S ANTI-C'S
- 8) MONITOR ENTIRE BODY SURFACE AREA
 - a) NOTE CONTAMINATION LEVELS
- 9) DECON VICTIM
 - a) RESURVEY
 - b) DECON 2ND TIME IF NECESSARY
- 10) IMPLEMENT R.P. PROCEDURES AS REQUIRED:
 - 1000/05 DECONTAMINATION OF RCZ'S
 - 1004/06 PERSONNEL DECON
 - 1004/21 EQUIPMENT DECON
 - 1009/02 INVESTIGATION...PERSONNEL CONTAMINATION
 - 1009/10 SBA FOLLOWING SUSPECTED UPTAKE
 - 1009/08 CONTAMINATION CONTROL DURING TRANSPORTATION OF CONTAMINATED INDIVIDUAL

CATAWBA NUCLEAR STATION
CONTAMINATED INJURY EXERCISE
MEDICAL EVALUATORS NOTES

MEDICAL ACTION TAKEN

- 1) PERFORM A PRIMARY SURVEY OF THE INJURED EMPLOYEE TO DETERMINE PHYSICAL CONDITION (AIRWAY, BREATHING, CIRCULATION, ETC.).
- 2) PERFORM A SECONDARY SURVEY TO OBTAIN PERTINENT INFORMATION. FIRST RESPONDERS SHOULD PROMOTE A PROFESSIONAL IMAGE TO THE INJURED IN ORDER TO PROMOTE TRUST AND CONFIDENCE.
- 3) DOCUMENT THE INJURED'S CONDITION AND RELATED INFORMATION BY PROPERLY COMPLETING THE MEDICAL EMERGENCY RESPONSE TEAM TREATMENT FORM.
- 4) REMOVE ANTI-C'S BY CUTTING THEM AND FOLDING IN ORDER TO EXPOSE THE INJURED AREA.
- 5) PIEDMONT MEDICAL CENTER EMERGENCY MEDICAL SERVICE IS NOTIFIED TO RESPOND IT'S AMBULANCE TO CATAWBA NUCLEAR STATION TO TRANSPORT THE INJURED EMPLOYEE. (SIMULATED)
- 6) TREAT FOR SHOCK AS NECESSARY.
- 7) NEUROLOGICAL STATUS OF THE PATIENT CHECKED.
- 8) TRANSPORT THE PATIENT BY STRETCHER TO THE CONTAMINATED FIRST AID ROOM.
- 9) RADIATION PROTECTION PERSONNEL ARE ADVISED THAT DECONTAMINATION PROCEDURES CAN BE STARTED WHILE WORK CONTINUES TO STABILIZE AND MONITOR THE INJURED'S CONDITION.

Annual Exercise 1993 - Contaminated Injury Drill

- A Chemistry Technician is injured by a bursting pipe while performing NM Sample in the Unit 1 NM (Nuclear Liquid Sampling System) lab.
- The hot reactor coolant water sprays on technicians shoulders and upper chest. He stumbles backwards, falling on an out-stretched right hand. He sustains a closed fracture of the right clavicle (collar bone) and first degree burns to the shoulders and upper chest. No other injuries result.
- The victim calls the Control Room to dispatch help. He then leaves the lab area to avoid the contaminated water.
- MERT/RP responders find the patient sitting on the floor, just outside the Unit 1 NM lab. He is conscious and alert. His shoulders and upper chest are wet with NC water. (Contaminated)

NOTE:

The responding RP Technician should advise MERT members arriving on the scene of contamination levels in the area.

MERT should recognize that the patient is conscious, alert, and in stable condition, and that normal radiation/contamination control measures can be implemented.

A simulated call should be made to notify off-site EMS to respond. (Piedmont Emergency Department and EMS are not participating in this exercise.)

At some point a gross decon will occur and the patient may undergo a more thorough decontamination in the contaminated First Aid Room, as time and patient's condition will allow.

The patient will not be successfully decontaminated to below 150 cpm, therefore the patient will be transported off-site contaminated. Since EMS is not playing, the medical portion of the exercise will be terminated when RP feels decon procedures are complete and MERT has the patient ready for transfer.

Proper notification should be made. (Off-site communications may need to be simulated.)

CONTAMINATED INJURY EXERCISE

DATE: 5/26/93

TIME: ~ 2030

MESSAGE NO.: MED-1

MESSAGE FOR: Chemistry Technician (Injured Player)

MESSAGE: Advise the (Simulator) Control Room the following:

"THIS IS A DRILL MESSAGE...This is _____ of
Chemistry. I was attempting to pull an NM sample in the Unit One NM
Lab, when a pipe burst, causing me to fall. I injured my shoulder and got
sprayed with Reactor Coolant water. I need some help...**THIS IS A
DRILL MESSAGE."**

NOTES TO CONTROLLERS: This message is for the Simulator Control Room SRO (Player).
The Controller should dial 5430 and hand the telephone receiver to the injured player to prevent
negative training.

CONTAMINATED INJURY EXERCISE

DATE: 5/26/93

TIME:

MESSAGE NO.: MED-2

MESSAGE FOR: Chemistry Technician (Injured Player)

MESSAGE: Provide the following information to RP Technicians:

"I was sprayed with Reactor Coolant Water on my chest, left shoulder and left side of my head. I was wearing a face shield. There is water on the floor in the NM Lab and I'm pretty sure I stepped in it."

NOTES TO CONTROLLERS:

CONTAMINATED INJURY EXERCISE

DATE: 5/26/93

TIME:

MESSAGE NO.: MED-3

MESSAGE FOR: MERT (Upon arrival on the scene)

MESSAGE: Controllers will provide any requested information to MERT and/or RP that would normally be available to them.

NOTES TO CONTROLLERS:

- The patient will be prompted.
- The injured will have a closed fracture to the right clavicle. He will also have first degree burns on the shoulders and chest from being sprayed with NC water. (The water temperature would be \leq 145 degrees F.)
- Patient will be seated outside of Unit One NM Lab. He will be able to walk if necessary.
- Patient's vital signs will be actual.
- Summoning of-site EMS and any notifications to PMC will be simulated.

CONTAMINATED INJURY EXERCISE

DATE: 5/26/93

TIME:

MESSAGE NO.: MED-4

MESSAGE FOR: CAS

MESSAGE: Summoning off-site EMS and any notifications to PMC will be simulated.

NOTES TO CONTROLLERS:

CONTAMINATED INJURY EXERCISE

DATE: 5/26/93

TIME:

MESSAGE NO.: MED-5

MESSAGE FOR: RP (Upon arrival on the scene)

MESSAGE: Controllers will provide any requested information to MERT and/or RP that would normally be available to them.

General Area radiation levels will be actual.

NOTES TO CONTROLLERS:

- The victim will be prompted.
- Patient will be seated outside of Unit One Lab. He will be able to walk if necessary.

Contamination Levels:

Neck: 5,000 cpm	R. Shoulder: <150 cpm
L. Side of Head: 5,000 cpm	L. Shoulder: 3,000 cpm
Chest: 2,000 cpm	Arms: <150 cpm
Feet: <150 cpm	Remainder of Body: <150 cpm

Lab Coat - pegs out E-140N
- RSO 2 MRad

Street Clothes - 25,000 cpm

Shoes (Protective) - Pegs out E-140N
Bottom

CONTAMINATED INJURY EXERCISE

DATE: 5/26/93

TIME:

MESSAGE NO.: MED-6

MESSAGE FOR: MERT/RP

MESSAGE: Move the patient to the Contaminated First Aid Room whenever possible.

NOTES TO CONTROLLERS: *** CONTINGENCY MESSAGE ***

Give this message to the MERT Leader on the scene, ONLY IF MERT elects to BYPASS the Contaminated First Aid Room.

CONTAMINATED INJURY EXERCISE

DATE: 5/26/93

TIME:

MESSAGE NO.: MED-7

MESSAGE FOR: MERT/RP (In Contaminated First Aid Room)

MESSAGE: Controllers will provide any requested information to MERT and/or RP that would normally be available to them.

NOTES TO CONTROLLERS:

- Summoning off-site EMS and any notifications to PMC will be simulated.

- Contamination Levels

(If no decon attempt is made)

Head: 5,000 cpm Shoulders: 3,000 cpm

Chest: 2,000 cpm Neck: 5,000 cpm

Arms: < 150 cpm Feet: < 150 cpm

Remainder of Body: < 150 cpm

(After first decon - if decon is attempted)

Head: 2,500 cpm Shoulders: 1,000 cpm

Chest: < 150 cpm Arms: < 150 cpm

Feet: < 150 cpm Remainder of Body: < 150 cpm

(After second decon - if second decon attempted)

Head: 2,000 cpm Shoulders: < 150 cpm
(ear)

Chest: < 150 cpm Arms: < 150 cpm

Feet: < 150 cpm Remainder of Body: < 150 cpm

- Patient will NOT be decontaminated to < 200 cpm, therefore will be transported contaminated (simulated).

CONTAMINATED INJURY EXERCISE

DATE: 5/26/93

TIME:

MESSAGE NO.: MED-8

MESSAGE FOR: RP

MESSAGE: Call the Control Room (Simulator) at extension 5430 and report the following message: **"This a drill...We are simulating sending the Injured Chemistry Technician off site to Piedmont Medical Center. He/she is contaminated with 2,000 cpm on the left side of his/her head. I repeat the injured chemistry technician is leaving the Catawba Site contaminated." This is a drill.**

NOTES TO CONTROLLERS: *** CONTINGENCY MESSAGE ***

Give this message to the RP team leader on the scene, only if RP forgets to call the Control Room (Simulator).

CONTAMINATED INJURY EXERCISE

DATE: 5/26/93

TIME:

MESSAGE NO.: MED-9

MESSAGE FOR: MERT/RP (In Contaminated First Aid Room)

MESSAGE: The medical portion of the drill has been terminated.

NOTES TO CONTROLLERS: Give this message to the players when all controllers agree that the objectives of this portion of the exercise have been met.