GULF STATES UTILITIES

RIVER BEND STATION

1992

EMERGENCY PREPAREDNESS EVALUATED EXERCISE

FEBRUARY 26, 1992

RIVER BEND STATION

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SECTION 1.0

INTRODUCTION

RIVER BEND STATION

1992 EMERGENCY PREPAREDNESS EVALUATED EXERCISE

1.0 INTRODUCTION

The River Bend Station (RBS), owned and operated by Gulf States Utilities (GSU), conducts an annual joint Emergency Plan Evaluated Exercise with the State of Louisiana and the Parishes of East and West Feliciana, East and West Baton Rouge, and Pointe Coupee. The evaluated exercise is conducted for the purpose of demonstrating that the health and safety of the residents of the five parishes can be protected in the event of a radiological emergency at the plant.

The evaluated exercise will be conducted as outlined in Section 6. It will include full mobilization of GSU, State, and Parish agencies and resources, in order to demonstrate the capabilities to jointly respond to an accident at the plant. The evaluated exercise will demonstrate that emergency response organizations are adequately trained to respond according to current plans and procedures. Evaluated exercise participants will not have prior knowledge of the scenario.

The evaluated exercise will be evaluated by evaluators assigned by GSU, and governmental agencies. A critique will be conducted following the exercise to discuss exercise findings identified. The time schedule for the critique is identified in Section 6 and will be attended by exercise Controllers, Evaluators and key exercise participants. All exercise findings will be characterized and documented and subsequent resolution of emergency preparedness deficiencies shall be assured by management. Federal agency critique schedules are also delineated in Section 6.

This manual has been prepared to assist exercise Controllers, Evaluators and Observers in the conduct and evaluation of the exercise. This manual contains all information and data necessary to properly conduct the exercise in an efficient and coordinated manner.

SECTION 2.0

SCOPE AND OBJECTIVES

2.0 SCOPE AND OBJECTIVES

2.1 SCOPE

The 1992 River Bend Station Emergency Preparedness Evaluated Exercise, to be conducted on February 26, 1992, will test and provide the opportunity to evaluate Gulf States Utilities' emergency plan and procedures as well as those of the State and local parishes. It will also test the emergency response organizations' ability to assess and respond to emergency conditions and coordinate efforts with other agencies for protection of the health and safety of the public.

The scenario will depict a simulated sequence of events, resulting in sufficiently degraded conditions to warrant the mobilization of GSU, State and local agencies to respond to the emergency. Whenever practical, the exercise will incorporate provisions for "free play" on the part of the participants.

2.2 OBJECTIVES

The River Bend Station 1992 Evaluated Exercise objectives are based on the Nuclear Regulatory Commission (NRC) requirements delineated in 10 CFR 50.47 and 10 CFR 50, Appendix E. Additional guidance is provided in NUREG 0654, FEMA-REP-1, Revision 1.

The major objective of the exercise is to evaluate the integrated capability of a major portion of the basic elements identified in the emergency plans and procedures. The specific objectives of the exercise to be demonstrated are listed below.

2.2.1 Gulf States Utilities Objectives

A. Demonstrate the ability to assess initial values of plant system and effluent parameters and provide continuing assessment of those parameters throughout the course of the accident.

B. Demonstrate the ability to determine which emergency action level has been reached and properly classify the emergency using the emergency action levels identified in emergency procedures.

C. Demonstrate the ability to alert, notify and mobilize emergency response personnel, and facilities, send out initial emergency messages, and warn or advise individuals who may be in areas within the owner controlled area as necessary.

D. Demonstrate the reliability and effective use of onsite and offsite emergency communications equipment and procedures.

E. Demonstrate the ability to control radiological exposures, determine doses, control contamination, perform dose assessment, and monitor individuals.

F. Demonstrate the ability to make the appropriate protective action recommendations to State and local authorities utilizing all relevant factors.

G. Demonstrate the ability to provide 24-hour per day emergency response and the ability to continue operation (24-hour) for a protracted period (on paper).

H. Demonstrate the line of succession for the Emergency Director/ Recovery Manager at the required emergency classification.

I. Demonstrate the ability to fully activate the Joint Information Center.

J. Demonstrate the ability to determine the magnitude and impact of the particular components of a release.

2.2.2 Local and State Government Objectives

The River Bend Station 1992 Emergency Preparedness Exercise objectives for the Parishes and State of Louisiana are based on the Federal Emergency Management Agency (FEMA) requirements delineated in NUREG-0654, FEMA-REP-1, Rev. 1 and Guidance Memorandum Ex-3, March 1988. The specific objectives of the exercise to be demonstrated are listed below.

Objectives for Parish EOC's

A. Demonstrate the ability to monitor, understand and use emergency classification levels (ECL) through the appropriate implementation of emergency functions and activities corresponding to ECL's as required by the scenario. The four ECL's are: Notification of Unusual Event, Alert, Site Area Emergency and General Emergency.

B. Demonstrate the ability to fully alert, mobilize and activate personnel for both facility and field-based emergency functions.

C. Demonstrate the ability to direct, coordinate and control emergency activities.

D. Demonstrate the ability to communicate with all appropriate locations, organizations and field personnel.

E. Demonstrate the adequacy of facilities, equipment, displays and other materials to support emergency operations.

F. Demonstrate the ability to continuously monitor and control emergency worker exposure.

G Demonstrate the ability to initially alert the public within the 10-mile EPZ and begin dissemination of an instructional message within 15 minutes of a decision by appropriate State and/or local official(s).

H. Demonstrate the ability to coordinate the formulation and dissemination of accurate information and instructions to the public in a timely fashion after the initial alert and notification has occurred.

I. Demonstrate the ability to brief the media in an accurate, coordinated and timely manner.

J. Demonstrate the ability to establish and operate rumor control in a coordinated and timely fashion (Media briefings and interface are conducted at the Joint Information Center (JIC) at River Bend Station (RBS). Rumor control is also conducted at the JIC through coordination between the Spokesperson and the EOC.).

K. Demonstrate the ability to make the decision to recommend the use of KI to emergency workers and institutionalized persons, based on predetermined criteria, as well as to distribute and administer it once the decision is made, if necessitated by radioiodine releases.

L. Demonstrate the ability and resources necessary to implement appropriate protective actions for the impacted permanent and transient plume EPZ population (including transit-dependent persons, special needs populations, handicapped persons and institutionalized persons).

M. Demonstrate the organizational ability and resources necessary to control evacuation traffic flow and to control access to evacuated and sheltered areas (EOC staff discussions will include overall traffic control/access control problems and establishment. But, only one traffic control point/access control point will be established in each parish.).

N. Demonstrate the ability to identify the need for and call upon Federal and other outside support agencies' assistance.

O. Demonstrate the ability to maintain staffing on a continuous 24-hour basis by an actual shift change (local EOC spokespersons, the LOEP spokesperson, and the LRPD spokesperson assigned to the Joint Information Center will demonstrate actual shift change).

P. Demonstrate the ability to coordinate the evacuation of onsite personnel*.

*West Feliciana Parish EOC only

Objectives for Mon/Decon Centers

A. Demonstrate the ability to fully alert, mobilize and activate personnel for both facility and field-based emergency functions.

B. Demonstrate the ability to communicate with all appropriate locations, organizations and field personnel.

C. Demonstrate the ability to continuously monitor and control emergency worker exposure.

D. Demonstrate the adequacy of facilities, equipment, supplies, procedures and personnel for decontamination of emergency workers, equipment and vehicles and for waste disposal.

E. Demonstrate the ability to maintain staffing on a continuous 24-hour basis by an actual shift change.

Objectives for Reception/Care Centers

A. Demonstrate the ability to fully alert, mobilize and activate personnel for both facility and field-based emergency functions.

B. Demonstrate the ability to communicate with all appropriate locations, organizations and field personnel.

C. Demonstrate the ability to continuously monitor and control emergency worker exposure.

D. Demonstrate the adequacy of procedures, facilities, equipment and personnel for the registration, radiological monitoring and decontamination of evacuees.

E. Demonstrate the adequacy of facilities, equipment, supplies, procedures and personnel for decontamination of emergency workers, equipment and vehicles and for waste disposal.

F. Demonstrate the ability to maintain staffing on a continuous 24-hour basis by an actual shift change.

Objectives for Our Lady of the Lake Hospital

A. Demonstrate the ability to fully alert, mobilize and activate personnel for both facility and field-based emergency functions.

B. Demonstrate the ability to communicate with all appropriate locations, organizations and field personnel.

C. Demonstrate the ability to continuously monitor and control emergency worker exposure.

D. Demonstrate the adequacy of medical facilities equipment, procedures and personnel for handling contaminated, injured or exposed individuals.

Objectives for State EOC

A. Demonstrate the ability to monitor, understand and use emergency classification levels (ECL) through the appropriate implementation of emergency functions and activities corresponding to ECL's as required by the scenario. The four ECL's are: Notification of Unusual Event, Alert, Site Area Emergency and General Emergency.

B. Demonstrate the ability to fully alert, mobilize and activate personnel for both facility and field-based emergency functions.

C. Demonstrate the ability to direct, coordinate and control emergency activities.

D. Demonstrate the ability to communicate with all appropriate locations, organizations and field personnel.

E. Demonstrate the adequacy of facilities, equipment, displays and other materials to support emergency operations.

F. Demonstrate the ability to make appropriate protective action decisions, based on projected or actual dosage, EPA PAG's, availability of adequate shelter, evacuation time estimates and other relevant factors.

G. Demonstrate the ability to initially alert the public within the 10-mile EPZ and begin dissemination of an instructional message within 15 minutes of a decision by appropriate State and/or local official(s).

H. Demonstrate the ability to coordinate the formulation and dissemination of accurate information and instructions to the public in a timely fashion after the initial alert and notification has occurred.

I. Demonstrate the ability to brief the media in an accurate, coordinated and timely manner.

J. Demonstrate the ability to establish and operate rumor control in a coordinated and timely fashion (Media briefings and interface are

conducted at the Joint Information Center (JIC) at River Bend Station (RBS). Rumor control is also conducted at the JIC through coordination between the Spokesperson and the EOC.).

K. Demonstrate the ability to make the decision to recommend the use of KI to emergency workers and institutionalized persons, based on predetermined criteria, as well as to distribute and administer it once the decision is made, if necessitated by radioiodine releases.

Objectives for LRPD, OPNS-RBNS EOF

A. Demonstrate the ability to monitor, understand and use emergency classification levels (ECL) through the appropriate implementation of emergency functions and activities corresponding to ECL's as required by the scenario. The four ECL's are: Notification of Unusual Event, Alert, Site Area Emergency and General Emergency.

B. Demonstrate the ability to fully alert, mobilize and activate personnel for both facility and field-based emergency functions.

C. Demonstrate the ability to direct, coordinate and control emergency activities.

D. Demonstrate the ability to communicate with all appropriate locations, organizations and field personnel.

E. Demonstrate the adequacy of facilities, equipment, displays and other materials to support emergency operations.

F. Demonstrate the ability to continuously monitor and control emergency worker exposure.

G. Demonstrate the ability, within the plume exposure pathway, to project dosage to the public via plume exposure, based on plant and field data.

H. Demonstrate the ability to make appropriate protective action decisions, based on projected or actual dosage, EPA PAG's, availability of adequate shelter, evacuation time estimates and other relevant factors.

I. Demonstrate the ability to initially alert the public within the 10-mile EPZ and begin dissemination of an instructional message within 15 minutes of a decision by appropriate State and/or local official(s).

J. Demonstrate the ability to coordinate the formulation and dissemination of accurate information and instructions to the public in a timely fashion after the initial alert and notification has occurred.

K. Demonstrate the ability to brief the media in an accurate, coordinated and timely manner.

L. Demonstrate the ability to make the decision to recommend the use of KI to emergency workers and institutionalized persons, based on predetermined criteria, as well as to distribute and administer it once the decision is made, if necessitated by radioiodine releases.

Objectives for JIC

A. Demonsirate the ability to fully alert, mobilize and activate personnel for both facility and field-based emergency functions.

B. Demonstrate the ability to communicate with all appropriate locations, organizations and field personnel.

C. Demonstrate the adequacy of facilities, equipment, displays and other materials to support emergency operations.

D. Demonstrate the ability to brief the media in an accurate, coordinated and timely manner.

E. Demonstrate the ability to establish and operate rumor control in a coordinated and timely fashion (Media briefings and interface are conducted at the Joint Information Center (JIC) at River Bend Station (RBS). Rumor control is also conducted at the JIC through coordination between the Spokesperson and the EOC.).

2.3 SIMULATIONS

- Decontamination of onsite emergency workers and equipment will be simulated.

- Anti-contamination clothing will be worn, as deemed necessary by players, in response to simulated scenario conditions; however SCBAs will be worn and not activated.

- Repair activities will be simulated.

- o Recovery actions will be limited to planning discussions.

- o Actual plant coolant and containment atmosphere samples will not be drawn.

SECTION 3.0

EXERCISE INFORMATION

3.0 EXERCISE INFORMATION

3.1 CONDUCT OF THE EXERCISE

The exercise will simulate an abnormal radiological incident at the River Bend Station. The effectiveness of selected organizations, personnel and functions of the appropriate Emergency Plans and Implementing Procedures will be demonstrated. The simulated emergency will then be terminated. The Recovery Phase will be initiated, and the Exercise will then be concluded.

Emergency response actions during the simulated emergency will include: recognition and classification of emergency conditions; personnel accountability; search and rescue (if necessary); Protected Area evacuation; assessment of onsite/offsite radiological consequences; alert/notification and mobilization of emergency response organizations; implementation of in-plant corrective actions, activation/operation of emergency response facilities and equipment; preparation of reports, messages, and record keeping; recommendation of protective actions (if necessary), termination of the emergency condition and limited recovery/reentry discussions.

The Simulator will be the central point for distribution of exercise messages and the key to ensuring that the Exercise progresses on schedule. Simulated plant parameters and annunciators will be provided to the Control Room operators using message forms and plant data sheets. A wide variety of plant information is provided so that at no time will the messages prompt the players or provide undue assistance in recognition of events. Information available on SPDS will also be provided in the TSC and the EOF where output consoles are located. Contingency messages (denoted by an 'x' after the message number) are delivered only when conditions described in the controller notes have been met.

Radiological and meteorological data (presented in Sections 9.0 and 10.0) and information included in the supplemental scenarios (Section 8.2) will be disseminated by controllers when players demonstrate the capability to obtain the information from appropriate sources. At no time, unless noted specifically as an exception, will information be interjected at a point where it would not be available in a real emergency. The Lead Controllers may interject other information or change a message to ensure that the Exercise progresses as planned.

The Exercise Players are expected to "free play" the scenario to the extent practical. If corrective actions are postulated that would terminate the emergency, they should be identified to the Lead Controller in the affected facility, so that the scenario will progress as designed. Notifications of, and contact with, supervisors, plant management, and offsite agencies will be made in accordance with the Emergency Plan Implementing Procedures. No simulations are to be allowed unless specifically noted in the Exercise Manual or directed by a Controller for scenario purposes.

3.2 PRECAUTIONS AND LIMITATIONS

This section provides information for all exercise Controllers and Observers related to the rules and guidelines to be followed throughout the conduct of this Exercise. Prior to initiation of the Exercise, a pre-exercise briefing will be held to review the entire exercise process with all the Exercise Controllers and Observers.

- Should at any time during the course of the conduct of this Exercise, an actual emergency situation arise, all activities and communications related to the Exercise will be suspended. It will be the responsibility of any Exercise Controller or Observer that becomes aware of an actual emergency to suspend exercise response in his/her immediate area and to inform the Lead

Exercise Controller of the situation. Upon notification of an actual emergency, the Lead Exercise Controller may notify all other Controllers to suspend all exercise activities.

- Should, at any time during the course of the conduct of this Exercise, an exercise Controller or Observer witness an exercise participant undertake any action which would, in the opinion of the Controller, place either an individual or component in an unsafe condition, the Controller is responsible for intervening in the individual's actions and terminating the unsafe activity immediately.

- All repair activities associated with the scenario will be simulated with extreme caution emphasized around operating equipment. Manipulation of any plant operating systems, valves, breakers, or controls in response to this Exercise is to be simulated. There is to be no alteration of any plant operating equipment, systems, or circuits during the response of this Exercise. No pressurization of fire hoses, discharging of fire extinguishers, or initiation of any fire suppression systems will be allowed for the Exercise.

- All telephone communications, radio transmissions, and public address announcements related to the Exercise must begin and end with the statement, "This is a drill". Should a Controller witness a drill participant not observing this practice, it is the Controller's responsibility to remind the individual of the need to follow this procedure.

- Any motor vehicle response to this Exercise, whether it be an ambulance, fire fighting equipment, police/security vehicles or field monitoring teams, should observe all normal motor vehicle operating laws including posted speed limits, stop lights/signs, one way streets, etc.

- Care must be taken to assure that any non-participating individuals who may observe exercise activities or overhear exercise communications are not misled into believing that an actual emergency exists. Any Exercise Controller who is aware of an individual or group of individuals in the immediate vicinity who may have become alarmed or confused about the situation, should approach that individual or group and explain the nature of the Exercise and its intent.

SECTION 4.0

CONTROLLER INFORMATION

4.0 CONTROLLER INFORMATION

4.1 GENERAL INFORMATION

Each Controller should be familiar with the following:

- The objectives of the exercise (Section 2.0).
- The assumptions and precautions being taken (Section 3.0).
- The exercise scenario, including the initiating events and the expected course of action to be taken (Sections 7.0 and 8.0).
- The various locations that will be involved and the specific items to be observed at those locations.
- The evaluation checklists provided.

4.2 CONTROLLER INSTRUCTIONS

- Controllers will position themselves at their assigned locations 30 minutes prior to the activation of the facility for which they have responsibility.
- Controller communications equipment will be tested prior to exercise commencement. All watches and clocks will be synchronized with the Lead Exercise Controller as part of the communications testing.
- All Controllers will comply with instructions from the Lead Exercise Controller.

- Each Controller will have copies of the messages controlling the progress of the exercise scenario. No message shall be delivered out of sequence or other than as written unless specifically authorized by the Lead Exercise Controller.

- Controllers will not provide information to the Players regarding scenario progression or resolution of problems encountered in the course of the simulated emergency. The exercise participants are expected to obtain information through their own organizations and exercise their own judgement in determining response actions and resolving problems.

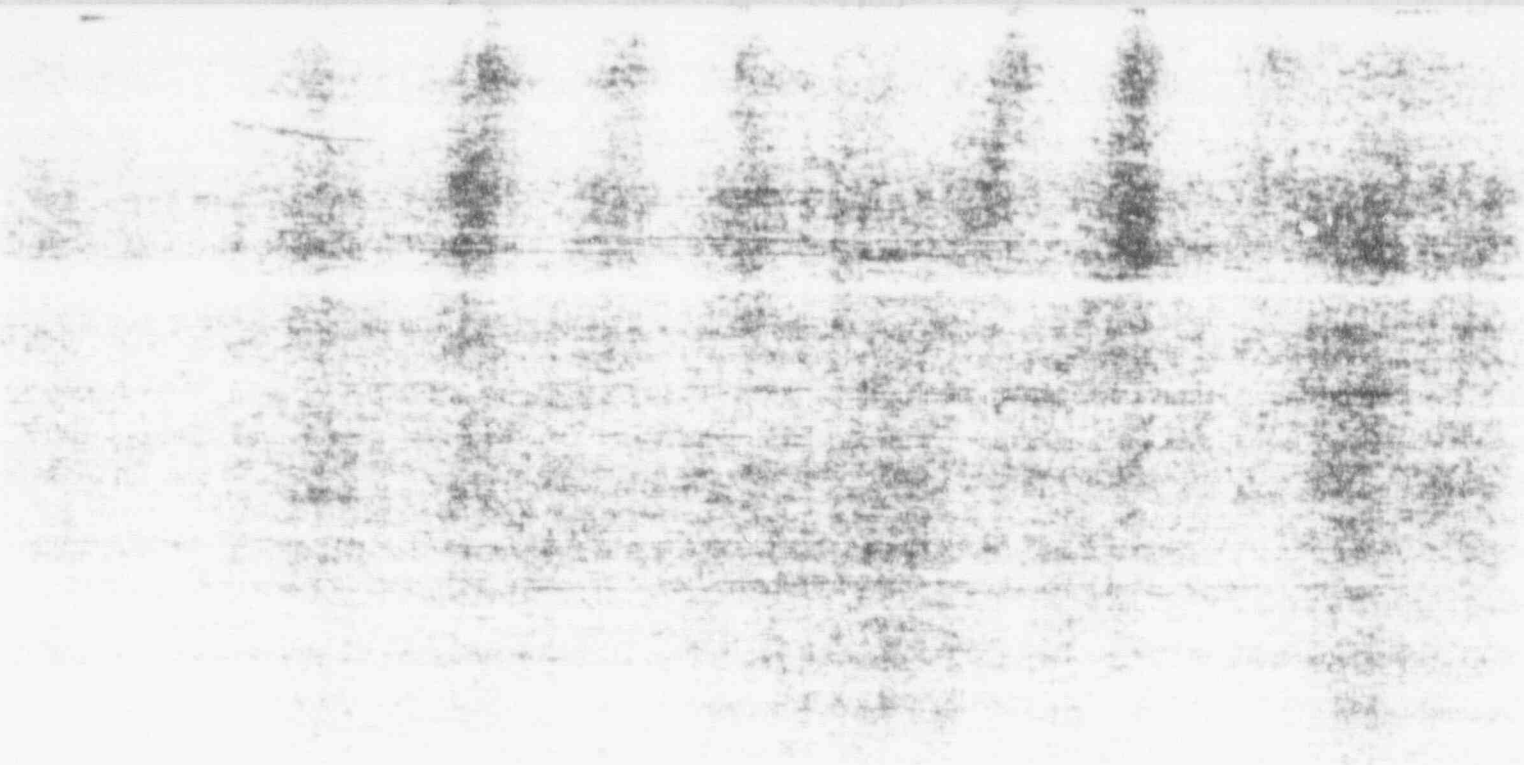
- In the event any player insists that certain parts of the scenario are unrealistic, the Controllers have the sole authority to clarify any questions regarding scenario content.

4.3 EVALUATION INSTRUCTIONS

Each Controller will take detailed notes regarding the progress of the exercise and response of the exercise participants at their assigned locations. Each Controller should carefully note the arrival and departure times of participants, the times when major activities or milestones occur, and problem areas encountered. Controllers' comments will be used for the purpose of reconstructing the Exercise chronology and preparing a written evaluation of the Exercise.

Controller evaluation forms for each facility/team will be distributed at the pre-Exercise controller briefing.

4.4 PERSONNEL ASSIGNMENTS



TO BE PROVIDED BY GULF STATES UTILITIES

SECTION 5.0

PLAYER INFORMATION

5.0 PLAYER INFORMATION

5.1 GENERAL INFORMATION

This section provides information for all exercise Players. These guidelines should be followed throughout the conduct of the Exercise. A pre-exercise briefing will be held for key players to review the entire exercise process, including "Precautions and Limitations" in Section 3.2, and the following information.

The success of the exercise is largely dependent on player performance. Appropriate reaction to simulated emergency conditions and demonstrated competence in the Emergency Plan and Implementing Procedures are the key criteria by which the players are evaluated. It is imperative, therefore, that all player actions and activities are witnessed by a Controller. Any actions that are to be simulated must be brought to the attention of the Controller to ensure that credit is awarded. The success of the exercise is based on the demonstration of the predetermined exercise objectives.

5.2 PLAYER GUIDELINES

- Maintain a serious attitude throughout the exercise.
- Maintain courtesy and professionalism at all times.
- Teamwork is essential! Do your job and then help other people do theirs. For example, if you know certain information should be available, ask for it. This makes you look good and may reduce a deficiency for someone else.
- Think! Brainstorm and look for all possible solutions or consequences of events. Maintain the "big picture" of what is happening.

- Identify yourself by name and function to the Controller in your area. Always wear your identification badge.

- If you are entering normal nuclear station radiation areas, observe all rules and procedures. No one (including Controllers) is exempt from normal station radiological practices and procedures.

NOTE: DO NOT ENTER HIGH RADIATION AREAS IN THE PLANT; FOLLOW ALARA PRINCIPLES.

- Observe all normal security procedures. All normal security procedures are in effect without exception. If a security condition arises, obey immediately the directions of Security officers.

- Elements of exercise play will be introduced through use of controlled exercise messages and by information generated by Players as a result of a particular emergency activity performed. Therefore, be responsible for initiating actions in accordance with instructions and responsibilities.

- Communications should be concise and formal with use of abbreviations minimized. Always include "This is a drill".

- Use and demonstrate knowledge of the Emergency Plan and Implementing Procedures.

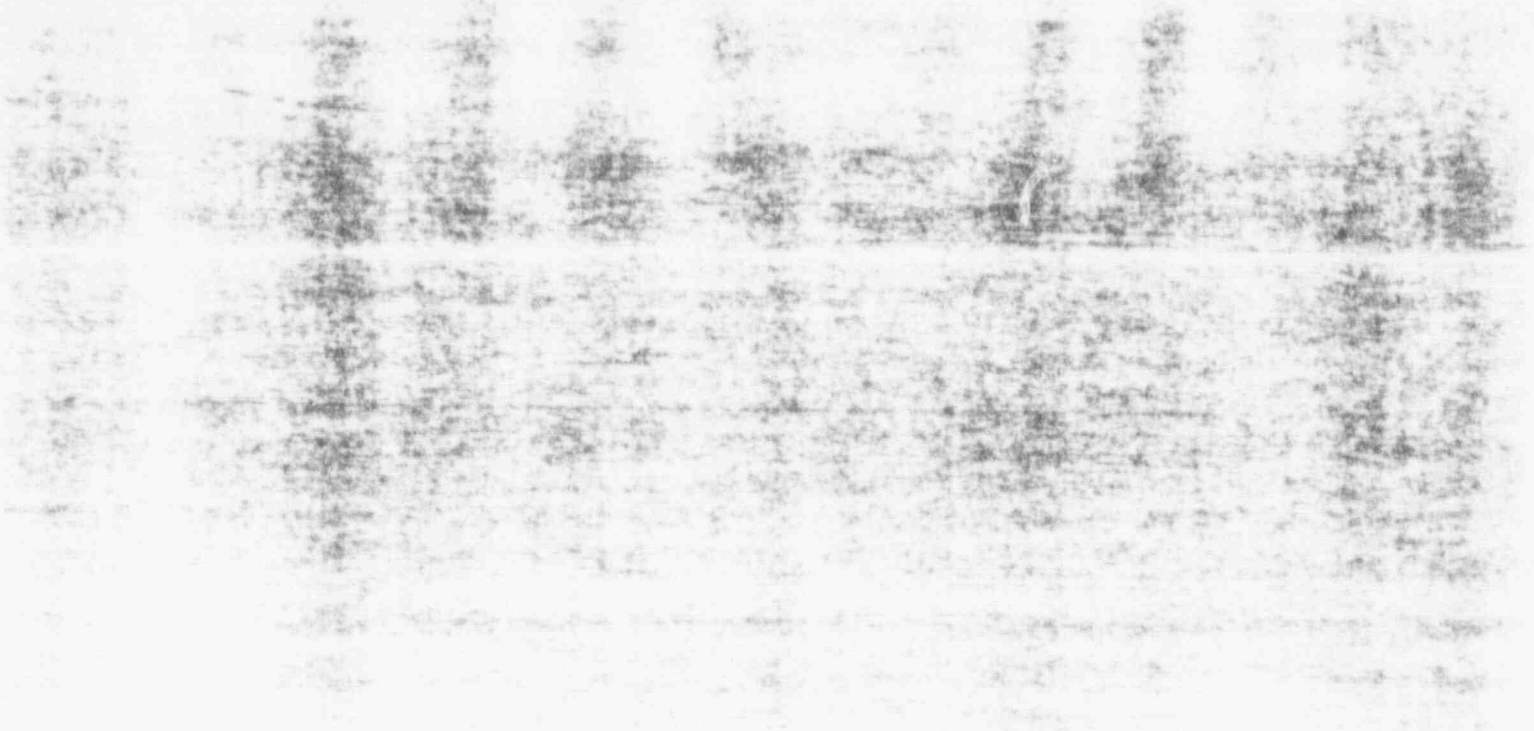
- No response to an exercise situation will be simulated without Controller approval. No action will be taken that reduces the margin of safety in the plant.

- Keep a list of items which you believe will improve the plan and/or procedures. Provide this to your Controller/Evaluator at the end of the Exercise.

- Remember, one of the main purposes of an exercise is for you to assure yourself that you are adequately prepared. Areas for improvement or lessons learned, when identified, will improve your overall emergency preparedness.

SECTION 6.0

SCHEDULE OF EVENTS



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SECTION 7.0

EXERCISE SCENARIO

SECTION 7.1

SCENARIO TIMELINE

River Bend Station
1992 Evaluated Exercise

Sequence of Events

Clock Time	Event Time	Event Description
		INITIAL CONDITIONS
0715	-00/30	RBS is currently operating at 100% power and has maintained 100% power for 102 continuous days. The core is near the end of core life with an exposure of 292 equivalent full power days. Preferred Station Transformer 1RTX-XSR1C is tagged out and disconnected electrically to allow for investigation of high winding temperatures. Transformer oil samples are currently being taken for analysis. Surveillances on the Emergency Diesel Generators were performed as required by Technical Specification 3.8.1.1. 1EGS*EG1B (Div II Diesel) failed the surveillance due to an inability to come up to speed within 10 seconds. The diesel generator was declared inoperable and tagged out at 0645. 1NNS-SWG1A is being powered from Normal Station Transformer 1STX-XNS1C. All other 4160 volt busses are being powered from Preferred Station Transformer 1RTX-XSR1D. RWCU backwash receiving tank transfer will occur at 0745 per SOP-0090 Section 5.8.
0745	00/00	A transfer from the RWCU backwash receiving tank to the phase separator commences.
0800	00/15	In the Radwaste Building a flange break occurs at the six way valve in the six way valve room during the backwash receiving tank transfer causing a leak of high activity radwaste into the Radwaste Building on elevation 95' and 65'. ARMs alarm, readings exceed 1000 times normal readings. Health Physics is dispatched to perform air samples and local surveys. Radwaste operator is dispatched to locate leak.

Sequence of Events

Clock Time	Event Time	Event Description
0815	00/30	Health Physics confirms the high radiation problem in the Radwaste Building. The Shift Supervisor should declare an Alert per EIP-2-001, ALERT EAL 04, "Alarm of Area Radiation Monitors and Confirmation of Readings Greater than 1,000 Times Normal Level". The Shift Supervisor should direct the implementation of the following procedures: EIP-2-003, "Alert" EIP-2-006, "Notifications" EIP-2-016, "Operations Support Center - Activation" EIP-2-017, "Operations Support Center - Support Functions" EIP-2-018, "Technical Support Center - Activation" EIP-2-019, "Technical Support Center - Support Functions" EIP-2-023, "Joint Information Center - Staff Activation and Functions"
0845	01/00	Feedwater line break occurs between B21*MOV65A and B21*MOV7A in the Auxiliary Building Steam Tunnel. If the Operators attempt to close B21*MOV65A, it will not operate. Check valve B21*VF010A (upstream of the testable check valve) is damaged and rendered inoperable when it slams shut at the time of the line break. Testable check valve (B21*AOV F032A) prevents a backflow of feedwater out of the Reactor Vessel. A reactor scram occurs as Reactor Vessel Water level decreases below level III (9.7 inches). Reactor Vessel level II (-43 inches) is reached. Reactor Core Isolation Cooling (RCIC) starts and begins injecting but requires an excessive period of time (approximately 90 seconds) to obtain rated speed and flow. Main Turbine Generator trip resulting in a

Sequence of Events

Clock Time	Event Time	Event Description
		loss of 1NNS-SWG1A. Div III diesel starts. HPCS fails to initiate due to a mechanical problem. Rx Recirc pumps trip. LOCA isolation occurs. Reactor Vessel Level I is reached (-143 inches). MSIVs close. Division I Diesel Generator starts. Improper load sequencing creates an undervoltage condition on Preferred Station Transformer 1RTX-XSR1D followed by a loss of the transformer. The Division I Diesel Generator picks up 1ENS*SWG1A. The Division III Diesel Generator picks up the E22*S004. 1NNS-SWG1B, 1NNS-SWG1C, and 1ENS*SWG1B are deenergized.
0900	01/15	An explosion occurs in RHR pump room A due to a build-up of oxygen and acetylene from an improperly secured Oxy-Acetylene rig. The explosion results in severe damage to RHR pump A motor. RHR Pump A casing, piping, and associated heat exchangers are not damaged.
0915	01/30	RCIC turbine steam supply line break. RCIC is now inoperative. A Site Area Emergency should be declared in accordance with EIP-2-001, SAE EAL 3, Initiating Condition 3, "RCIC High Steam Line flow and High Main Steam Line Tunnel ambient temperature" or SAE EAL 6, Initiating Condition 2, "Main Condenser not available as heat sink and RHR Divisions A & B are inoperable and RCIC is inoperable". The Emergency Director should direct the implementation of the following procedures: EIP-2-004, "Site Area Emergency" EIP-2-006, "Notifications" EIP-2-020, "Emergency Operations Facility Activation" EIP-2-021, "Emergency Operations Facility Support Functions"

Sequence of Events

Clock Time	Event Time	Event Description
		EIP-2-026, "Evacuation" EIP-2-027, "Personnel Accountability" EOP-1 directs the Control Room operators to reduce RPV pressure below the shutoff head of LPCS; thus allowing low pressure injection into the vessel for level recovery.
1000	02/15	B21*AOV32A (A loop testable check valve) fails allowing reactor coolant to back flow through the break in the A Feedwater loop break. Reactor vessel begins depressurizing through the Feedwater break. Low Pressure Core Spray is injecting maintaining a stable reactor water level.
1030	02/45	A loss of Low Pressure Core Spray occurs. Reactor water level begins to decrease. A General Emergency should be declared in accordance with EIP-2-001, GE EAL 2, Initiating Condition 1, "Loss of any two of the following with the potential loss of the third. Fuel cladding; RCS Pressure boundary; Containment integrity". The Emergency Director and Recovery Manager should direct the implementation of the following emergency procedures: EIP-2-005, "General Emergency" EIP-2-006, "Notifications" EIP-2-007, "Protective Action Recommendations" EIP-2-012, "Radiation Exposure Controls" EIP-2-013, "Onsite Radiological Monitoring" EIP-2-014, "Offsite Radiological Monitoring" EIP-2-024, "Offsite Dose Calculations"
1115	03/30	As Reactor Vessel Level decreases below 2/3 core height (-210 inches), fuel clad degradation/failure occurs. Containment radiation monitors and reactor coolant activity begin to increase.

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Sequence of Events

Clock Time	Event Time	Event Description
1130	03/45	An unfiltered release to the environment from the steam tunnel via Turbine Building HVAC begins. Fuel damage worsens as water level continues to decrease.
1330	05/45	Power is restored to 1ENS*SWG1B. B21*MOV7A is shut isolating the leak. The RPV is reflooded using RHR pumps B and C. As level increases, indications show that proper overlap between the level ranges occurs. Level instrumentation is considered to be reliable.
1400	06/15	Shutdown cooling is established. With no damage reported for Preferred Station Transformer 1RTX-XSR1D, repowering of the transformer can be accomplished.
1430	06/45	Cold shutdown is established. A source of offsite power is available. Recovery and termination discussions are in progress as the trailing edge of the plume disperses.
1500	07/15	Exercise Termination.

SECTION 7.2

MASTER EVENTS SUMMARY

LATER

SECTION 7.3

DATA TRENDS

1992 RIVER BEND STATION EVALUATED EXERCISE
DRMS MONITOR TREND DATA

	Drill Time:	04/30	04/45	05/00	05/15	05/30	05/45	06/00	06/15	06/30	06/45	07/15
	Clock Time:	1215	1230	1245	1300	1315	1330	1345	1400	1415	1430	1500
ID Number	Location (Units)											
RE-16 A,B	Containment PAM R.B. 186'(R/hr)	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
RE-20 A,B	Drywell PAM D.W. 114'(R/hr)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
RE-21 A,B	Cont. Purge Monitor R.B. 141(mR/hr)	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH
RE-139	Inside Annulus 114'(mR/hr)	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH
RE-141	Refuel Floor South R.B. 186'(mR/hr)	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH
RE-146	Containment Airlock F.B. 114'(mR/hr)	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH
RE-151	Sample Station Area R.B. 162'(mR/hr)	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH
RE-162	O.G.Bldg.Regen Area O.G. 67' (mR/hr)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
RE-164	O.G.Bldg.Smpl. Area O.G. 123'(mR/hr)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
RE-165	Cond.Demin Rgn. Area O.G. 67'(mR/hr)	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
RE-166	Cond.Demin Str. Area O.G. 95'(mR/hr)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
RE-167	O.G. Bldg.Viv.Area O.G. 137'(mR/hr)	28	28	28	28	28	28	28	28	28	28	28
RE-182	Recovery Sample Tank R.W. 65'(mR/hr)	0.4*	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
RE-185	Storage Tank Area R.W. 90'(mR/hr)	0.2*	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RE-186	Floor Drain Sump R.W. 65'(mR/hr)	0.5*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
RE-187	High Cond. Sump Area R.W. 65'(mR/hr)	0.3*	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
RE-192	Refuel Floor South F.B. 113'(mR/hr)	50	50	50	50	50	50	50	10	10	10	10
RE-193	Refuel Floor North F.B. 113'(mR/hr)	50	50	50	50	50	50	50	10	10	10	10
RE-194	Supt Rm Trans. Tube F.B. 123'(mR/hr)	50	50	50	50	50	50	50	10	10	10	10
RE-195	Sample Sink Area F.B. 95'(mR/hr)	50	50	50	50	50	50	50	10	10	10	10
RE-196	Equip. Drain Sump F.B. 70'(mR/hr)	50	50	50	50	50	50	50	10	10	10	10
RE-200	North Hoist Area F.B. 123'(mR/hr)	20	20	20	20	20	20	20	5.0	5.0	5.0	5.0
RE-201	Air Removal Pump T.B. 95' R/hr)	20	20	20	20	20	20	20	5.0	5.0	5.0	5.0
RE-202	Rx Feed Pump Area T.B. 67'(mR/hr)	20	20	20	20	20	20	20	5.0	5.0	5.0	5.0
RE-203	Turb. Bldg Samp Rm T.B. 67'(mR/hr)	20	20	20	20	20	20	20	5.0	5.0	5.0	5.0
RE-204	Cond Demin Samp Rack T.B. 95'(mR/hr)	20	20	20	20	20	20	20	5.0	5.0	5.0	5.0
RE-210	PASS Panel A.B. 114'(mR/hr)	50	50	50	50	50	50	50	10	10	10	10
RE-211	Control Rod Drive A.B. 95'(mR/hr)	50	50	50	50	50	50	50	10	10	10	10
RE-212	HPCS Area East A.B. 70'(mR/hr)	50	50	50	50	50	50	50	10	10	10	10
RE-213	RHR A Area West A.B. 70'(mR/hr)	50	50	50	50	50	50	50	10	10	10	10
RE-214	RHR B Area East A.B. 70'(mR/hr)	50	50	50	50	50	50	50	OSH	OSH	OSH	OSH
RE-215	RHR C Area A.B. 70'(mR/hr)	50	50	50	50	50	50	50	10	10	10	10
RE-216	LPCS Area West A.B. 70'(mR/hr)	50	50	50	50	50	50	50	10	10	10	10
RE-217	HPCS Penetration East A.B.70'(mR/hr)	50	50	50	50	50	50	50	10	10	10	10
RE-218	LPCS Penetration West A.B.70'(mR/hr)	50	50	50	50	50	50	50	10	10	10	10
RE-219	RCIC Area West A.B. 70'(mR/hr)	50	50	50	50	50	50	50	10	10	10	10

Note: OSH - Off Scale High

Revision 1 12/20/91

1992 RIVER BEND STATION EVALUATED EXERCISE
DRMS MONITOR TREND DATA

ID Number	Location (Units)	Drill Time:	00/15	01/00	01/15	02/15	02/45	03/00	03/15	03/30	03/45	04/00	04/15
		Clock Time:	0800	0845	0900	1000	1030	1045	1100	1115	1130	1145	1200
RE-16	A,B Containment PAH R.B. 186'(R/hr)		0.8	0.8	0.8	0.8	0.8	0.8	0.8	600	1000	1000	1000
RE-20	A,B Drywell PAM D.W. 114'(R/hr)		3.0	3.0	3.0	3.0	3.0	3.0	3.0	1200	2000	2000	2000
RE-21	A,B Cont. Purge Monitor R.B. 141(mR/hr)		9.0	9.0	9.0	9.0	9.0	9.0	9.0	2000	OSH	OSH	OSH
RE-139	Inside Annulus 114'(mR/hr)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	OSH	OSH	OSH	OSH
RE-141	Refuel Floor South R.B. 186'(mR/hr)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	OSH	OSH	OSH	OSH
RE-146	Containment Airlock F.B. 114'(mR/hr)		0.3	0.3	0.3	0.3	0.3	0.3	0.3	OSH	OSH	OSH	OSH
RE-151	Sample Station Area R.B. 162'(mR/hr)		5.0	5.0	5.0	5.0	5.0	5.0	5.0	OSH	OSH	OSH	OSH
RE-162	O.G.Bldg.Regen Area O.G. 67' (mR/hr)		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
RE-164	O.G.Bldg.Smpl. Area O.G. 123'(mR/hr)		2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
RE-165	Cond.Demin Rgn. Area O.G. 67'(mR/hr)		9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
RE-166	Cond.Demin Str Area O.G. 95'(mR/hr)		0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
RE-167	O.G. Bldg.Viv.Area O.G. 137'(mR/hr)		28	28	28	28	28	28	28	28	28	28	28
RE-182	Recovery Sample Tank R.W. 65'(mR/hr)		100	100	100	0.4*	0.4	0.4	0.4	0.4	0.4	0.4	0.4
RE-185	Storage Tank Area R.W. 90'(mR/hr)		10	10	10	0.2*	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RE-186	Floor Drain Sump R.W. 65'(mR/hr)		OSH	OSH	OSH	0.5*	0.5	0.5	0.5	0.5	0.5	0.5	0.5
RE-187	High Cond. Sump Area R.W. 65'(mR/hr)		5.0	5.0	5.0	0.3*	0.3	0.3	0.3	0.3	0.3	0.3	0.3
RE-192	Refuel Floor South F.B. 113'(mR/hr)		0.5	0.5	0.5	0.5	0.5	0.5	0.5	50	50	50	50
RE-193	Refuel Floor North F.B. 113'(mR/hr)		0.5	0.5	0.5	0.5	0.5	0.5	0.5	50	50	50	50
RE-194	Supt Rm Trans. Tube F.B. 123'(mR/hr)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	50	50	50	50
RE-195	Sample Sink Area F.B. 95'(mR/hr)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	50	50	50	50
RE-196	Equip. Drain Sump F.B. 70'(mR/hr)		0.5	0.5	0.5	0.5	0.5	0.5	0.5	50	50	50	50
RE-200	North Hoist Area T.B. 123'(mR/hr)		0.4	0.4	0.4	0.4	0.4	0.4	0.4	20	20	20	20
RE-201	Air Removal Pump T.B. 95'(mR/hr)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	20	20	20	20
RE-202	Rx Feed Pump Area T.B. 67'(mR/hr)		1.5	1.5	1.5	1.5	1.5	1.5	1.5	20	20	20	20
RE-203	Turb. Bldg Samp Rm T.B. 67'(mR/hr)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	20	20	20	20
RE-204	Cond Demin Samp Rack T.B. 95'(mR/hr)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	20	20	20	20
RE-210	PASS Panel A.B. 114'(mR/hr)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	50	50	50	50
RE-211	Control Rod Drive A.B. 95'(mR/hr)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	50	50	50	50
RE-212	HPCS Area East A.B. 70'(mR/hr)		0.09	0.09	0.09	0.09	0.09	0.09	0.09	50	50	50	50
RE-213	RHR A Area West A.B. 70'(mR/hr)		2.0	2.0	2.0	2.0	2.0	2.0	2.0	50	50	50	50
RE-214	RHR B Area East A.B. 70'(mR/hr)		2.0	2.0	2.0	2.0	2.0	2.0	2.0	50	50	50	50
RE-215	RHR C Area A.B. 70'(mR/hr)		1.0	1.0	1.0	1.0	1.0	1.0	1.0	50	50	50	50
RE-216	LPCS Area West A.B. 70'(mR/hr)		0.3	0.3	0.3	0.3	0.3	0.3	0.3	50	50	50	50
RE-217	HPCS Penetration East A.B.70'(mR/hr)		0.7	0.7	0.7	0.7	0.7	0.7	0.7	50	50	50	50
RE-218	LPCS Penetration West A.B.70'(mR/hr)		0.3	0.3	0.3	0.3	0.3	0.3	0.3	50	50	50	50
RE-219	RCIC Area West A.B. 70'(mR/hr)		0.5	0.5	0.5	0.5	0.5	0.5	0.5	50	50	50	50

Note: OSH - Off Scale High

Revision 1 12/20/91

1992 RIVER BEND STATION EVALUATED EXERCISE
PROCESS MONITOR TREND DATA

ID Number	Location (Units)	Drill Time: 00/30 Clock Time: 0715	00/15 0800	00/30 0815	00/45 0830	01/00 0845	01/15 0900	01/30 0915	01/45 0930	02/00 0945	02/15 1000	02/30 1015	02/45 1030
RE-5A,B	Fuel Bldg. Vent Exhaust (µCi/sec)	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00
RE-6A,B	Radwast Bldg. Vent Exh. (µCi/sec)	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01
1GE-12S	Main Plant Exhaust Duct (µCi/cc)	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07
2GE-12S	Main Plant Exhaust Duct (µCi/cc)	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04
3GE-12S	Main Plant Exhaust Duct (µCi/cc)	4.3E-02	4.3E-02	4.3E-02	4.3E-02	4.3E-02	4.3E-02	4.3E-02	4.3E-02	4.3E-02	4.3E-02	4.3E-02	4.3E-02
4GE-12S	Main Plant Exhaust Duct (µCi/sec)	4.0E+01	4.0E+01	4.0E+01	4.0E+01	4.0E+01	4.0E+01	4.0E+01	4.0E+01	4.0E+01	4.0E+01	4.0E+01	4.0E+01
RE-110P	Aux. Bldg. Vent (µCi/cc)	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12
RE-110G	Aux. Bldg. Vent (µCi/cc)	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08
RE-118P	Turbin Bldg. Vent (µCi/cc)	3.0E-11	3.0E-11	3.0E-11	3.0E-11	3.0E-11	3.0E-11	3.0E-11	3.0E-11	3.0E-11	3.0E-11	3.0E-11	3.0E-11
RE-118G	Turbin Bldg. Vent (µCi/cc)	1.0E-10	1.0E-10	1.0E-10	1.0E-10	1.0E-10	1.0E-10	1.0E-10	1.0E-10	1.0E-10	1.0E-10	1.0E-10	1.0E-10
RE-124P	C.B./O.G. Bldg. Vent (µCi/cc)	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09
RE-124G	C.B./O.G. Bldg. Vent (µCi/cc)	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
RE-126P	Main Plant Exhaust Duct (µCi/cc)	6.4E-11	6.4E-11	6.4E-11	6.4E-11	5.6E-11	5.6E-11	5.6E-11	5.6E-11	5.6E-11	5.6E-11	5.6E-11	5.6E-11
RE-126G	Main Plant Exhaust Duct (µCi/cc)	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07
RE-111P	Cont. Atmosphere (µCi/cc)	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	9.8E-07	9.8E-07	9.8E-07	9.8E-07	9.1E-07	9.1E-07	9.1E-07
RE-111G	Cont. Atmosphere (µCi/cc)	5.0E-05	5.0E-05	5.0E-05	5.0E-05	5.0E-05	5.0E-05	5.0E-05	5.0E-05	5.0E-05	4.8E-05	4.8E-05	4.8E-05
RE-112P	D.W. Atmosphere (µCi/cc)	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.1E-07	6.1E-07
RE-112G	D.W. Atmosphere (µCi/cc)	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.2E-05	3.2E-05	3.2E-05
RE-103	SGTS Effluent (µCi/cc)	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06
RE-116	Cont. Purge (µCi/cc)	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06
RE-11A,B	Annulus Exhaust (µCi/cc)	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08
	Off Gas Pretreatment Monitor (mR/hr)	200	200	200	200	100	50	0	0	0	0	0	0
	Off Gas Postreatment Monitor (cpm)	80	80	80	80	15	0	0	0	0	0	0	0
	Main Steam Line Rad. Monitor A (mR/hr)	800	800	800	800	500	500	500	200	200	200	200	1000
	Main Steam Line Rad. Monitor B (mR/hr)	750	750	750	750	500	500	500	200	200	200	200	1000
	Main Steam Line Rad. Monitor C (mR/hr)	750	750	750	750	500	500	500	200	200	200	200	1000
	Main Steam Line Rad. Monitor D (mR/hr)	825	825	825	825	500	505	500	200	200	200	200	1000

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1992 RIVER BEND STATION EVALUATED EXERCISE
PROCESS MONITOR TREND DATA

ID Number	Location (Units)	Drill Time: / Clock Time: 03/00 1045	03/15 1100	03/30 1115	03/45 1130	04/00 1145	04/15 1200	04/30 1215	04/45 1230	05/00 1245	05/15 1300	05/30 1315	05/45 1330
RE-5A,B	Fuel Bldg. Vent Exhaust (µCi/sec)	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00
RE-6A,B	Radwast Bldg. Vent Exh. (µCi/sec)	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01
1GE-125	Main Plant Exhaust Duct (µCi/cc)	7.4E-07	7.4E-07	7.4E-07	1.1E-05	1.6E-04	OSH	OSH	OSH	8.9E-03	4.5E-03	1.8E-03	8.9E-04
2GE-125	Main Plant Exhaust Duct (µCi/cc)	1.2E-04	1.2E-04	1.2E-04	1.1E-05	1.6E-04	OSH	OSH	OSH	8.9E-03	4.5E-03	1.8E-03	8.9E-04
3GE-125	Main Plant Exhaust Duct (µCi/cc)	4.3E-02	4.3E-02	4.3E-02	1.1E-05	1.6E-04	2.9E-02	2.2E-02	1.7E-02	8.9E-03	4.5E-03	1.8E-03	8.9E-04
4GE-125	Main Plant Exhaust Duct (µCi/sec)	4.0E+01	4.0E+01	4.0E+01	5.0E+02	7.0E+03	1.3E+06	1.0E+06	7.5E+05	4.0E+05	2.0E+05	8.0E+04	4.0E+04
RE-110P	Aux. Bldg. Vent (µCi/cc)	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12
RE-110G	Aux. Bldg. Vent (µCi/cc)	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08
RE-118P	Turbin Bldg. Vent (µCi/cc)	3.0E-11	3.0E-11	3.0E-11	7.6E-05	1.0E-03	2.0E-01	1.4E-01	1.0E-01	6.0E-02	3.0E-02	1.0E-02	6.0E-03
RE-118G	Turbin Bldg. Vent (µCi/cc)	1.0E-10	1.0E-10	1.0E-10	2.2E-05	3.0E-04	6.0E-02	4.4E-02	3.4E-02	1.8E-02	9.0E-03	3.6E-03	1.8E-03
RE-124P	C.D./O.G. Bldg. Vent (µCi/cc)	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09
RE-124G	C.D./O.G. Bldg. Vent (µCi/cc)	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
RE-126P	Main Plant Exhaust Duct (µCi/cc)	5.6E-11	5.6E-11	5.6E-11	3.8E-05	5.1E-04	9.6E-02	7.4E-02	5.6E-02	2.9E-02	1.5E-02	5.6E-03	2.9E-03
RE-126G	Main Plant Exhaust Duct (µCi/cc)	7.4E-07	7.4E-07	7.4E-07	1.1E-05	1.6E-04	2.9E-02	2.2E-02	1.7E-02	8.9E-03	4.5E-03	1.8E-03	8.9E-04
RE-111P	Cont. Atmosphere (µCi/cc)	9.1E-07	8.7E-07	8.5E-07	8.5E-07	8.3E-07	8.3E-07	8.2E-07	8.1E-07	8.0E-07	7.9E-07	7.9E-07	7.8E-07
RE-111G	Cont. Atmosphere (µCi/cc)	4.8E-05	4.7E-05	4.6E-05	4.6E-05	4.6E-05	4.6E-05	4.5E-05	4.5E-05	4.4E-05	4.4E-05	4.4E-05	4.3E-05
RE-112P	D.W. Atmosphere (µCi/cc)	6.1E-07	5.8E-07	5.7E-07	5.7E-07	5.6E-07	5.6E-07	5.5E-07	5.5E-07	5.4E-07	5.4E-07	5.3E-07	5.2E-07
RE-112G	D.W. Atmosphere (µCi/cc)	3.2E-05	3.1E-05	3.1E-05	3.0E-05	3.0E-05	3.0E-05	3.0E-05	3.0E-05	3.0E-05	2.9E-05	2.9E-05	2.9E-05
RE-103	SGTS Effluent (µCi/cc)	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06
RE-116	Cont. Purge (µCi/cc)	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06
RE-11A,B	Annulus Exhaust (µCi/cc)	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08
	Off Gas Pretreatment Monitor (mR/hr)	0	0	0	0	0	0	0	0	0	0	0	0
	Off Gas Postreatment Monitor (cpm)	0	0	0	0	0	0	0	0	0	0	0	0
	Main Steam Line Rad. Monitor A (mR/hr)	1000	1000	3000	8000	8000	8000	8000	8000	8000	8000	8000	8000
	Main Steam Line Rad. Monitor B (mR/hr)	1000	1000	3000	8000	8000	8000	8000	8000	8000	8000	8000	8000
	Main Steam Line Rad. Monitor C (mR/hr)	1000	1000	3000	8000	8000	8000	8000	8000	8000	8000	8000	8000
	Main Steam Line Rad. Monitor D (mR/hr)	1000	1000	3000	8000	8000	8000	8000	8000	8000	8000	8000	8000

Revision 1
12/20/91

1992 RIVER BEND STATION EVALUATED EXERCISE
PROCESS MONITOR TREND DATA

ID Number	Location (Units)	Drill Time: / Clock Time: 06/00 1345	06/15 1400	06/30 1415	06/45 1430	07/00 1445	07/15 1500
RE-5A,B	Fuel Bldg. Vent Exhaust (µCi/sec)	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00
RE-6A,B	Radwast Bldg. Vent Exh. (µCi/sec)	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01
1GE-12S	Main Plant Exhaust Duct (µCi/cc)	6.7E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
2GE-12S	Main Plant Exhaust Duct (µCi/cc)	6.7E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
3GE-12S	Main Plant Exhaust Duct (µCi/cc)	6.7E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
4GE-12S	Main Plant Exhaust Duct (µCi/sec)	3.0E+02	5.0E+01	5.0E+01	5.0E+01	5.0E+01	5.0E+01
RE-110P	Aux. Bldg. Vent (µCi/cc)	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12
RE-110G	Aux. Bldg. Vent (µCi/cc)	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08
RE-118P	Turbin Bldg. Vent (µCi/cc)	8.4E-05	8.0E-06	8.0E-06	8.0E-06	8.0E-06	8.0E-06
RE-118G	Turbin Bldg. Vent (µCi/cc)	1.4E-05	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06
RE-124P	C.D./O.G. Bldg. Vent (µCi/cc)	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09
RE-124G	C.D./O.G. Bldg. Vent (µCi/cc)	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
RE-126P	Main Plant Exhaust Duct (µCi/cc)	4.4E-05	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06
RE-126G	Main Plant Exhaust Duct (µCi/cc)	6.7E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
RE-111P	Cont. Atmosphere (µCi/cc)	7.7E-07	7.6E-07	7.6E-07	7.5E-07	7.5E-07	7.3E-07
RE-111G	Cont. Atmosphere (µCi/cc)	4.3E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.1E-05
RE-112P	D.W. Atmosphere (µCi/cc)	5.2E-07	5.1E-07	5.1E-07	5.0E-07	5.0E-07	4.9E-07
RE-112G	D.W. Atmosphere (µCi/cc)	2.9E-05	2.9E-05	2.9E-05	2.8E-05	2.8E-05	2.8E-05
RE-103	SGTS Effluent (µCi/cc)	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06
RE-116	Cont. Purge (µCi/cc)	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06
RE-11A,B	Annulus Exhaust (µCi/cc)	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08
	Off Gas Pretreatment Monitor (mR/hr)	0	0	0	0	0	0
	Off Gas Postreatment Monitor (cpm)	0	0	0	0	0	0
	Main Steam Line Rad. Monitor A (mR/hr)	8000	1000	1000	1000	1000	1000
	Main Steam Line Rad. Monitor B (mR/hr)	8000	1000	1000	1000	1000	1000
	Main Steam Line Rad. Monitor C (mR/hr)	8000	1000	1000	1000	1000	1000
	Main Steam Line Rad. Monitor D (mR/hr)	8000	1000	1000	1000	1000	1000

Revision 1
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SECTION 7.4

ASSUMPTIONS

CHEMISTRY AND RADIOLOGICAL SCENARIO ASSUMPTIONS

A. Radiological Parameters

1. Radioactive material released (simulated) will consist of noble gases, particulates and radioiodine.

2. The dispersion factors used to calculate offsite data are those derived for use with Class A Atmospheric Dispersion Model centerline values.

3. No filtering credit is allowed for iodine, particulate, or noble gases from the steam tunnel to turbine building release.

4. Stack release concentrations are based upon a release flowrate of 2.2E+06 cc/sec (about 95,000 cfm) following initiation of SBGT. An unfiltered release from the turbine building at 44,000 cfm is included in the 95,000 cfm release flowrate.

B. In-Plant Radiation Data

1. Dose rates due to airborne concentrations following the release were developed by calculating a centerpoint immersion dose in a semi-infinite cloud of noble gases utilizing the formula:

$$D_i = X_i * DF_i \qquad \text{(B-1)}$$

where:
D_i = gamma air dose of nuclide (i)
X_i = concentration of nuclide (i)
DF_i = dose factor for exposure to a semi-infinite cloud of nuclide (i)

Dose factors were obtained from REG Guide 1.109 Table B-1. The isotopic ratios for the various nuclides are those listed in the dose assessment model for an (Unfiltered) Steam Line Break.

2. The dose rates due to contributions from various in-plant systems (i.e. piping, vent ducting, etc.) are calculated based on the Point Source/Line Source equations and "Radiological Health Handbook" thumbrules given as:

$$R/hr\ @\ 1' = 6 * C * E * n \qquad \text{(B-2)}$$

$$DR_1 = DR_2 * (r_2)^2/(r_1)^2 \qquad \text{(B-3)}$$

$$DR_1 = DR_2 * (r_2)/(r_1) \quad \text{(B-4)}$$

where:
C = number of curies
E = gamma ray energy (MeV)
n = gamma quanta/dis
DR_1 = dose rate at point 1
DR_2 = dose rate at point 2
r_1 = distance from source at point 1
r_2 = distance from source at point 2

Consideration is given in areas of the plant where dose rates are due to a combination of airborne radioactivity and shine.

3. All area radiation monitors within an affected range reflect contributions from airborne radioactivity and/or shine. All turbine building area monitors within an affected range reflect a contribution from the calculated doses of the release from the steam tunnel.

C. Chemistry Data

1. Post accident activity transportation assumptions are derived using the two methodologies given in NUREG-0737. Due to the loss of coolant from the reactor vessel, iodine source term transport from the feedwater line break to atmosphere is treated as an **(Unfiltered Steam Line Break)**.

2. PASS samples at each location are isotopically decayed from time of reactor shutdown. Isotopic mix and ratios are derived from NEDO-22215 for a particular damage type and are corrected for plant specific power and volume.In addition, sample result activities account for system effects (i.e. dilution, leakage, etc.).

3. Postulated core damage is approximately 10% clad failure based on NEDO-22215 and corrected for plant specific power and volume.

4. Dose rates for PASS samples were calculated using the "Radiological Health Handbook" rule of thumb:

$$R/hr\ @\ 1' = 5.64 * C * E \quad \text{(C-1)}$$

where:
C = number of curies
E = gamma energy in MeV

Gamma energy was conservatively chosen as 0.5 for iodine and 0.7 for noble gases.

D. Field Survey Data

1. The downwind gamma doses were determined using the Class A atmospheric dispersion model centerline values. Open window meter readings are the summation of plume gamma dose, plume beta dose, and iodine deposition gamma dose. Iodine deposition beta dose is considered to be negligible at 3'.

2. Air sample results (CPM on silver zeolite cartridge) are back-calculated from airborne activity concentrations using plant and meter specific procedures.

3. The iodine deposition values were calculated as follows:

   a. Total number of curies released for each iodine isotope was calculated using the stack sample analysis results and release flowrates.

   b. Gross iodine deposition was determined by using the summation of each decay corrected isotope from the formula:

$$D_i = [(C_i * e^{-\lambda t}) * DF] / (X * .3927) \qquad \text{(D-1)}$$

   where:
   D_i = deposition of isotope (i) in Ci/m^2
   C_i = curies released of isotope (i)
   DF = deposition factor: REG Guide 1.111 Fig. 6-9
   X = distance from source in meters
   λ = .693/isotope half-life (hours)
   t = time since release occurred (hours)
   .3927 = arc length in radians of a 22.5° section

   c. The soil concentration was determined using a depth of 1" and a density of 2100 g/m^3.

   d. The water concentration assumes the sample is drawn [illegible]

   e. The grass and vegetation samples were calculated [illegible] deposition fractions and densities from NUREG/CR-3332 [illegible] adiological Assessment" Table 5.1:"Fraction of Total Deposition Retained on Vegetation" pg. 5-15.

4. The concentration of radioiodine in milk was calculated based on the assumption that all downwind dairy herds were removed from the pasture prior to plume arrival and kept on stored feed. One herd was placed on pasture one day after plume passage for four hours.

   a. The I-131 activity in the milk sample was determined using the formula from NUREG/CR-3332 ORNL-5968 "Radiological Assessment" pg 5-89,90:

$$C(t) = I * D_0 * 1.86E\text{-}2 * (e^{-.114t} - e^{-.9t}) \qquad (D\text{-}2)$$

   where:
   C = concentration in milk
   I = daily forage consumption by the cow (kg/day)
   D_0 = initial activity on the forage (pCi/kg)
   t = time (days)

   b. The PAG preventive and emergency levels are flagged when the concentration is above the target level given in U.S. Dept. of Health and Human Services "Preparedness and Response in Radiation Accidents", HHS Publication FDA 83-8211.

SECTION 8.0

MESSAGES AND PLANT DATA SHEETS

SECTION 8.1

MESSAGES

1992 EVALUATED EXERCISE
Message Number = I.C.

Clock Time = 0715
Scenario Time = -00/30

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
MESSAGE

***** THIS IS A DRILL *****

Message To: Control Room

Initial Conditions for the exercise are as follows:

1. RBS is currently operating at 100% power and has maintained 100% power for 102 continuous days. The core is near the end of core life with an exposure of 292 equivalent full power days.

2. Preferred Station Transformer 1RTX-XSR1C is tagged out and disconnected electrically to allow for investigation of high winding temperatures. Transformer oil samples are currently being taken for analysis.

3. Surveillances on the Emergency Diesel Generators were performed as required by Technical Specification 3.8.1.1. 1EGS*EG1B (Div II Diesel) failed the surveillance due to an inability to come up to speed within 10 seconds. Investigation revealed an unknown substance in the fuel oil filters. The diesel generator was declared inoperable and tagged out at 0645.

4. 1NNS-SWG1A is being powered from Normal Station Transformer 1STX-XNS1C.

5. 1NNS-SWG1B, 1NNS-SWG1C, 1ENS*SWG1A, and 1ENS*SWG1B are being powered from Preferred Station Transformer 1RTX-XSR1D.

6. An RWCU backwash receiving tank transfer and pre-coat of the "B" RWCU filter/demineralizer will commence at 0745.

1992 EVALUATED EXERCISE

Message Number = 1.C.

Clock Time = 0715

Scenario Time = -00/30

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room (Continued)

7. Meteorological conditions are: partly cloudy, light winds and 35°F at 0400 this morning. Relative humidity is currently 90%.

At 0740, please read the following message twice:

"Attention, all personnel. We are now starting the 1992 Emergency Preparedness Evaluated Exercise. All announcements prefaced by "This is a Drill" are for designated participants only. All exercise communications with the drill Control Room crew should be made over gaitronics line 5 or plant phone number 3356."

1992 EVALUATED EXERCISE

Message Number = I.C.

Clock Time = 0715

Scenario Time = -00/30

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:

Conduct pre-exercise briefing per sections 3.2 and 5.0 of the Exercise Manual, deliver and discuss initial conditions.

Detailed information regarding Div II Diesel Generator and Preferred Station Transformer failures are included in Supplemental Scenarios 1 and 2.

Expected Actions:

After the Control Room briefing is complete, make the exercise commencement announcement over the gaitronics.

1992 EVALUATED EXERCISE
Message Number - I C.

Rev. 1 - 12/20/91

Clock Time - 0715
Scenario Time - -00/30

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

PANEL 601/877

	Status	Press	Flow
RHR A	SR		0
RHR B	SR		0
RHR C	SR		0
LPCS	SR		0
RCIC	SR	0	0
HPCS	SR	0	0
CRD A	OP	1900	75
CRD B	AV	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	1020	38"	WR

DIV I	DIESEL	SR
DIV II	DIESEL	OOS
DIV III	DIESEL	SR

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE

SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC.MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	ON	OFF
F022B	ON	OFF
F022C	ON	OFF
F022D	ON	OFF
F028A	ON	OFF
F028B	ON	OFF
F028C	ON	OFF
F028D	ON	OFF

PANEL 680

POWER 100% APRM LEVEL 38" NR

CNS P1A OP FWS P1A OP
CNS P1B OP FWS P1B OP
CNS P1C OP FWS P1C OP

Total Feedwater Flow 12.4 Mlbs./hr

PANEL 808

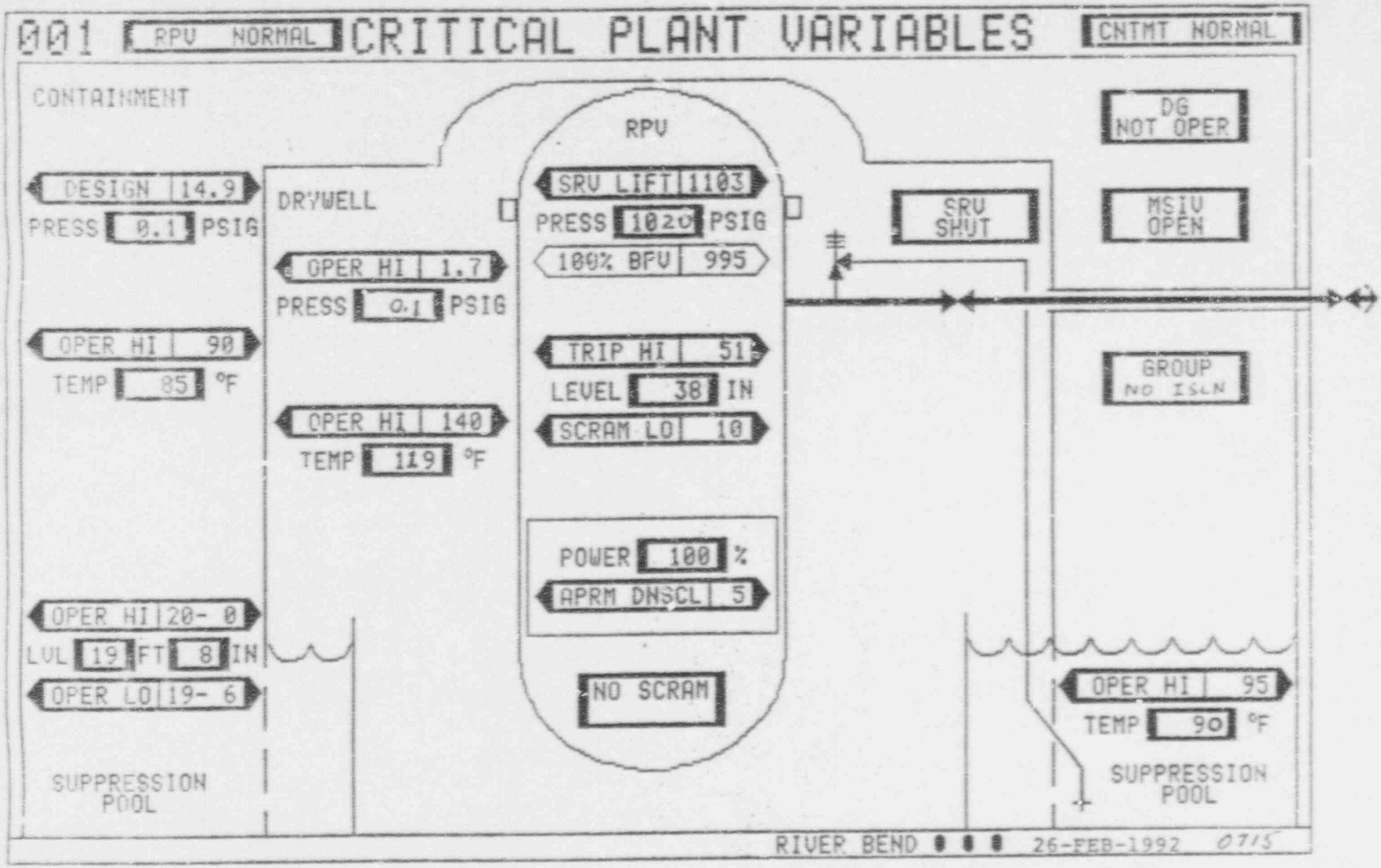
	Press	Temp	Level
DRYWELL	0.1	119°	
CTMT	0.1	85°	
SPR PL		90°	19'8"

PANEL 870/601

SSW P2A SR SSW P2C SR
SSW P2B SR SSW P2D SR

PANEL 863

SGTS A SR SGTS B SR
D/W COOLERS OPERATING B C D E
CTMT COOLERS OPERATING A B


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
RPV
DG NOT OPER
DESIGN 14.9
PRESS 0.1 PSIG
DRYWELL
SRV LIFT 1103
PRESS 1020 PSIG
100% BFV 995
SRV SHUT
MSIV OPEN
OPER HI 1.7
PRESS 0.1 PSIG
OPER HI 90
TEMP 85 °F
TRIP HI 51
LEVEL 38 IN
GROUP NO ISLN
OPER HI 140
TEMP 119 °F
SCRAM LO 10
POWER 100 %
APRM DNSCL 5
OPER HI 20- 0
LVL 19 FT 8 IN
OPER LO 19- 6
NO SCRAM
OPER HI 95
TEMP 90 °F
SUPPRESSION POOL
SUPPRESSION POOL
RIVER BEND
26-FEB-1992
0715

021

RPV CONTROL--NR/PWR

CNTMT NORMAL

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP RUN
CRD	WTR AVAIL	RPV PR	PWR AVAIL	PMP RUN
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP RUN
TURBINE CONTROL	CLG NA	VAC AVAIL	H.PWR AVAIL	VLV OP
TURBINE BYPASS	CLG NA	VAC AVAIL	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG NOT OPER

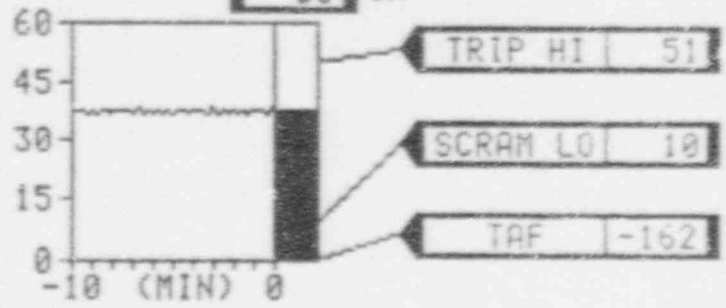
SRV SHUT

MSIV OPEN

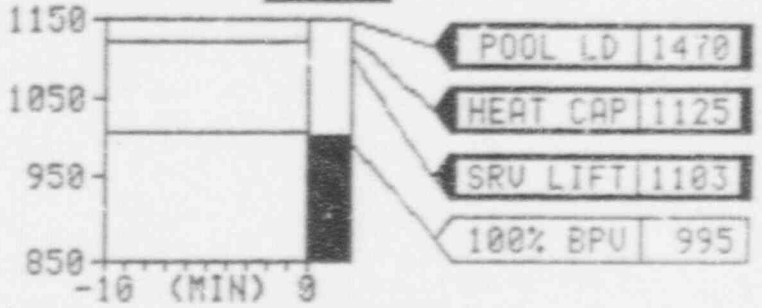
GROUP NO ISOL

NO SCRAM

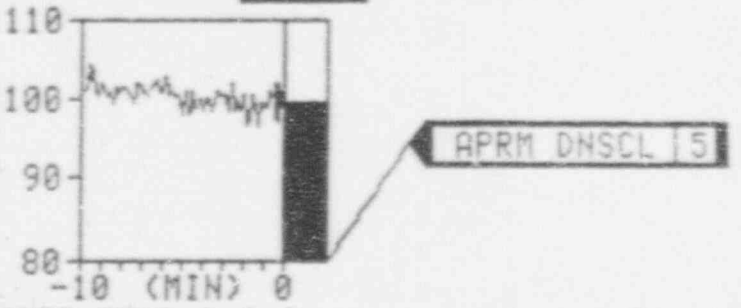
RPV LEVEL 201 IN >TAF
38 IN



RPV PRESS 1020 PSIG



RX POWER 100 % (RESCALE)



RIVER BEND 26-FEB-1992 07:15

030 RPV NORMAL CONTAINMENT CONTROL--NR

POOL COOLING	CLG NA	PWR AVAIL	PMP OFF
DRYWELL COOLING	CLG AVAIL	PWR AVAIL	FAN RUN
CNTMT COOLING	CLG AVAIL	PWR AVAIL	FAN RUN
PRESS CONTROL	VLV SHT	PWR AVAIL	FAN RUN
SBGT	VLV SHT	PWR AVAIL	FAN OFF

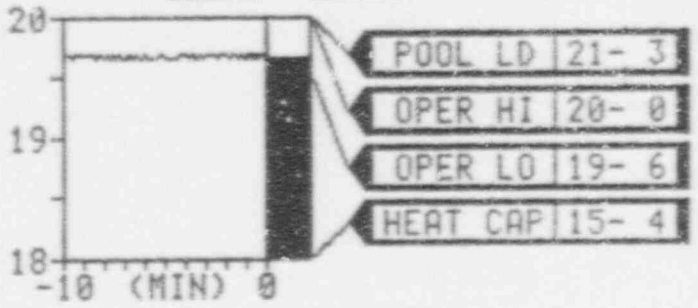
DG NOT OPER

SRV SHUT

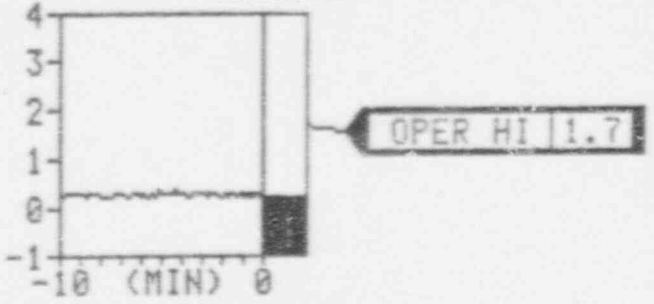
GROUP NOISOL

NO SCRAM

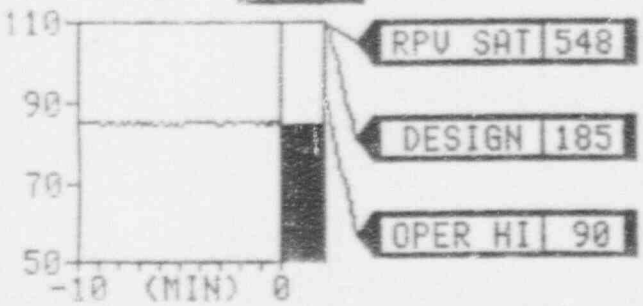
POOL LEVEL 19 FT 8 IN (RESCALE)



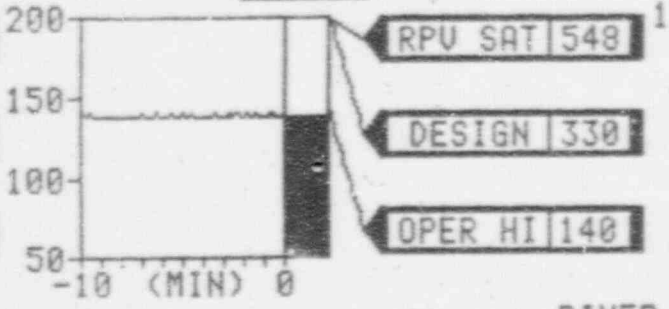
DW PRESS 0.1 PSIG



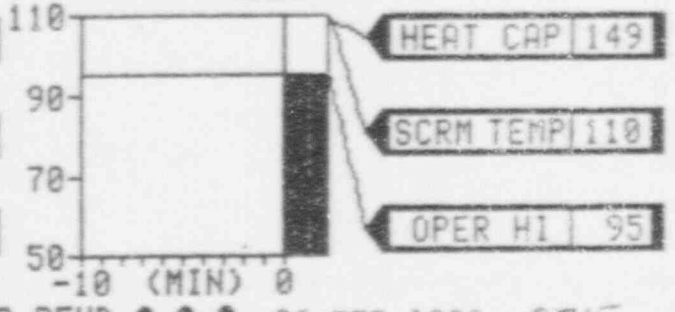
CNTMT TEMP 85 °F



DW TEMP 119 °F



POOL TEMP 90 °F



RIVER BEND 26-FEB-1992 0715

1992 EVALUATED EXERCISE

Message Number: I.C.

Clock Time = 0715

Scenario Time = -00/30

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	0.8	R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	0.2	mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	3.0	R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	0.2	mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	9.0	mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	0.5	mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	0.2	mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	0.4	mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	0.2	mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	0.2	mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	0.3	mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	1.5	mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	5.0	mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	0.1	mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4	mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	0.1	mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0	mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	0.2	mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2	mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	0.1	mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3	mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	0.09	mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28	mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	2.0	mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	0.4	mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	2.0	mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	0.2	mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	1.0	mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	0.5	mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	0.3	mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	0.3	mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	0.7	mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	0.5	mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	0.3	mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	0.5	mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	0.5	mR/hr

[redacted] - Indicates Alarming

OSH - Indicates Offscale High

All other ARMs are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number: I.C.

Clock Time = 0715

Scenario Time = -00/30

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	1.0E-06	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	5.0E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	6.7E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	3.3E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	7.4E-07	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-08	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	1.2E-04	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	4.3E-02	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	4.0E+01	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	3.0E-11	µCi/cc		Off Gas Pre-treatment Monitor	200	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	1.0E-10	µCi/cc		Off Gas Post-treatment Monitor	80	cpm
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc		Main Steam Line Radiation Monitor	800	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc		Main Steam Line Radiation Monitor	750	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	6.4E-11	µCi/cc		Main Steam Line Radiation Monitor	750	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	8.9E-07	µCi/cc		Main Steam Line Radiation Monitor	825	mR/hr

[redacted] - Indicates Alarming

OSH - Indicates Offscale High

All other Process Monitors are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number = 1

Clock Time = 0745

Scenario Time = 00/00

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Plant Status Update

1992 EVALUATED EXERCISE

Message Number = 1

Clock Time = 0745

Scenario Time = 00/00

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
A transfer from the RWCU backwash receiving tank to the phase separator is commencing due to the impending regeneration of the "B" RWCU filter.	None

1992 EVALUATED EXERCISE
Message Number - 1

Rev. 1 - 12/20/91

Clock Time - 0745
Scenario Time - -00/00

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

PANEL 601/877

	Status	Press	Flow
RHR A	SR		0
RHR B	SR		0
RHR C	SR		0
LPCS	SR		0
RCIC	SR	0	0
HPCS	SR	0	0
CRD A	OP	1900	75
CRD B	AV	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	1020	38"	WR

DIV I	DIESEL	SR
DIV II	DIESEL	OOS
DIV III	DIESEL	SR

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC,MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	ON	OFF
F022B	ON	OFF
F022C	ON	OFF
F022D	ON	OFF
F028A	ON	OFF
F028B	ON	OFF
F028C	ON	OFF
F028D	ON	OFF

PANEL 680

POWER 100% APRM LEVEL 38" NR

CNS P1A	OP	FWS P1A	OP
CNS P1B	OP	FWS P1B	OP
CNS P1C	OP	FWS P1C	OP

Total Feedwater Flow 12.4 Mlbs./hr

PANEL 808

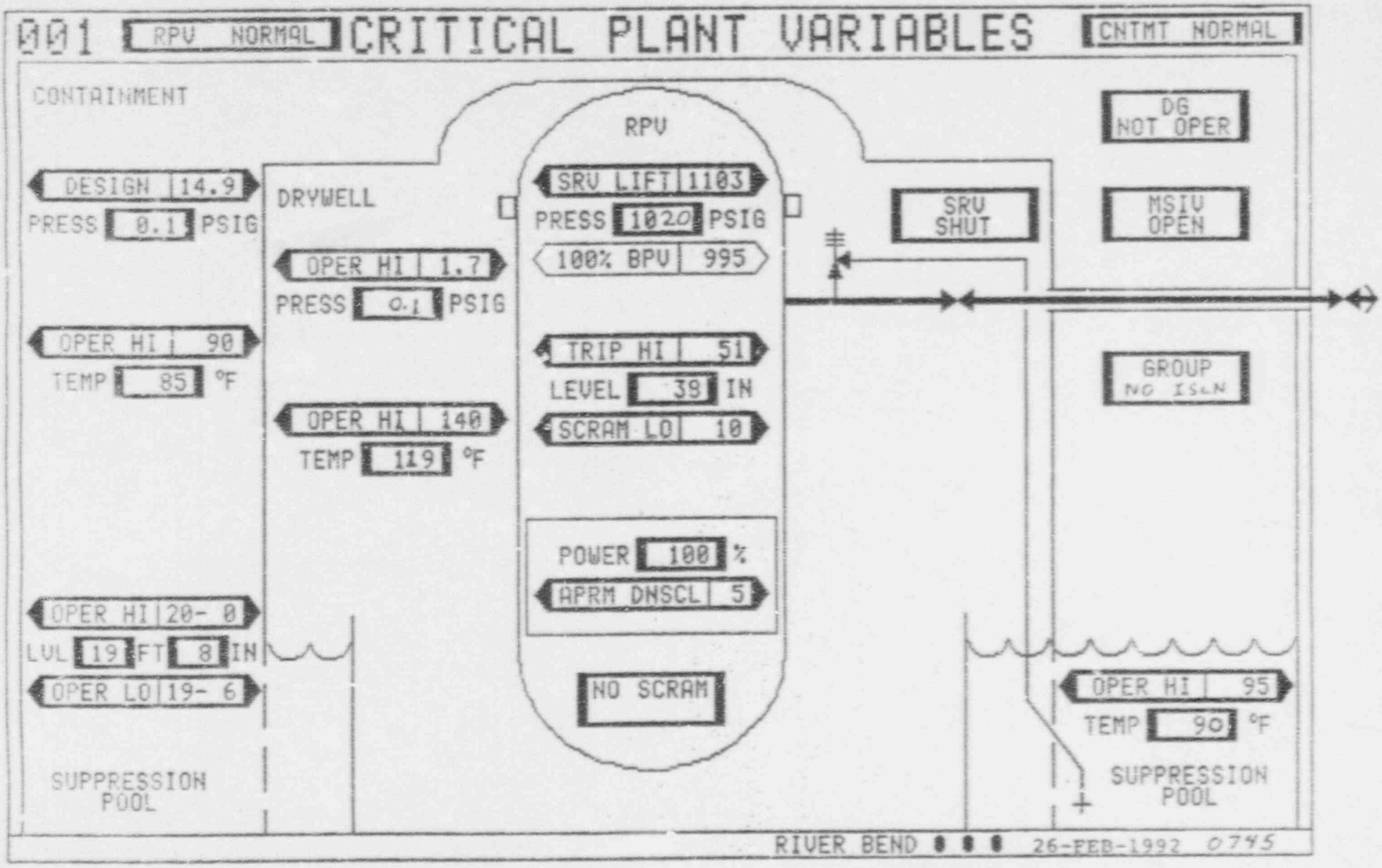
	Press	Temp	Level
DRYWELL	0.1	119°	
CTMT	0.1	85°	
SPR PL		90°	19'8"

PANEL 870/601

SSW P2A	SR	SSW P2C	SR
SSW P2B	SR	SSW P2D	SR

PANEL 863

SGTS A	SR
SGTS B	SR
D/W COOLERS OPERATING	B C D E
CTMT COOLERS OPERATING	A B


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
DRYWELL
RPV
DG NOT OPER
SRV SHUT
MSIV OPEN
GROUP NO ISLN
DESIGN 14.9
PRESS 0.1 PSIG
OPER HI 1.7
PRESS 0.1 PSIG
OPER HI 90
TEMP 85 °F
OPER HI 140
TEMP 119 °F
SRV LIFT 1103
PRESS 1020 PSIG
100% BPV 995
TRIP HI 51
LEVEL 39 IN
SCRAM LO 10
POWER 100 %
APRM DNSCL 5
NO SCRAM
OPER HI 20- 0
LVL 19 FT 8 IN
OPER LO 19- 6
SUPPRESSION POOL
OPER HI 95
TEMP 90 °F
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 0745

021

RPV CONTROL--NR/PWR

CNTMT NORMAL

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP RUN
CRD	WTR AVAIL	RPV PR	PWR AVAIL	PMP RUN
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP RUN
TURBINE CONTROL	CLG NA	VAC AVAIL	H.PWR AVAIL	VLV OP
TURBINE BYPASS	CLG NA	VAC AVAIL	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG NOT OPER

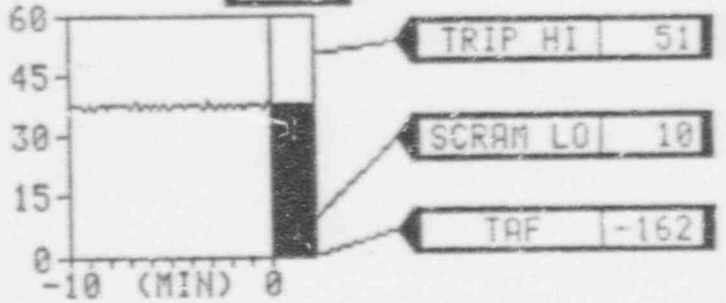
SRV SHUT

MSIV OPEN

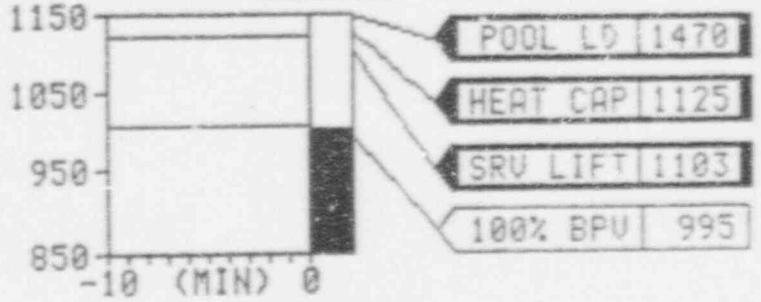
GROUP NO ISOL

NO SCRAM

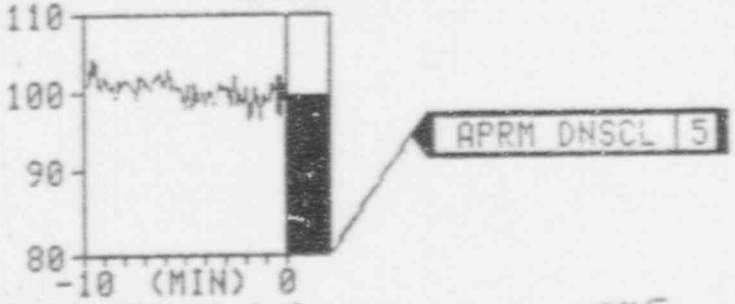
RPV LEVEL 201 IN >TAF
38 IN



RPV PRESS 1020 PSIG

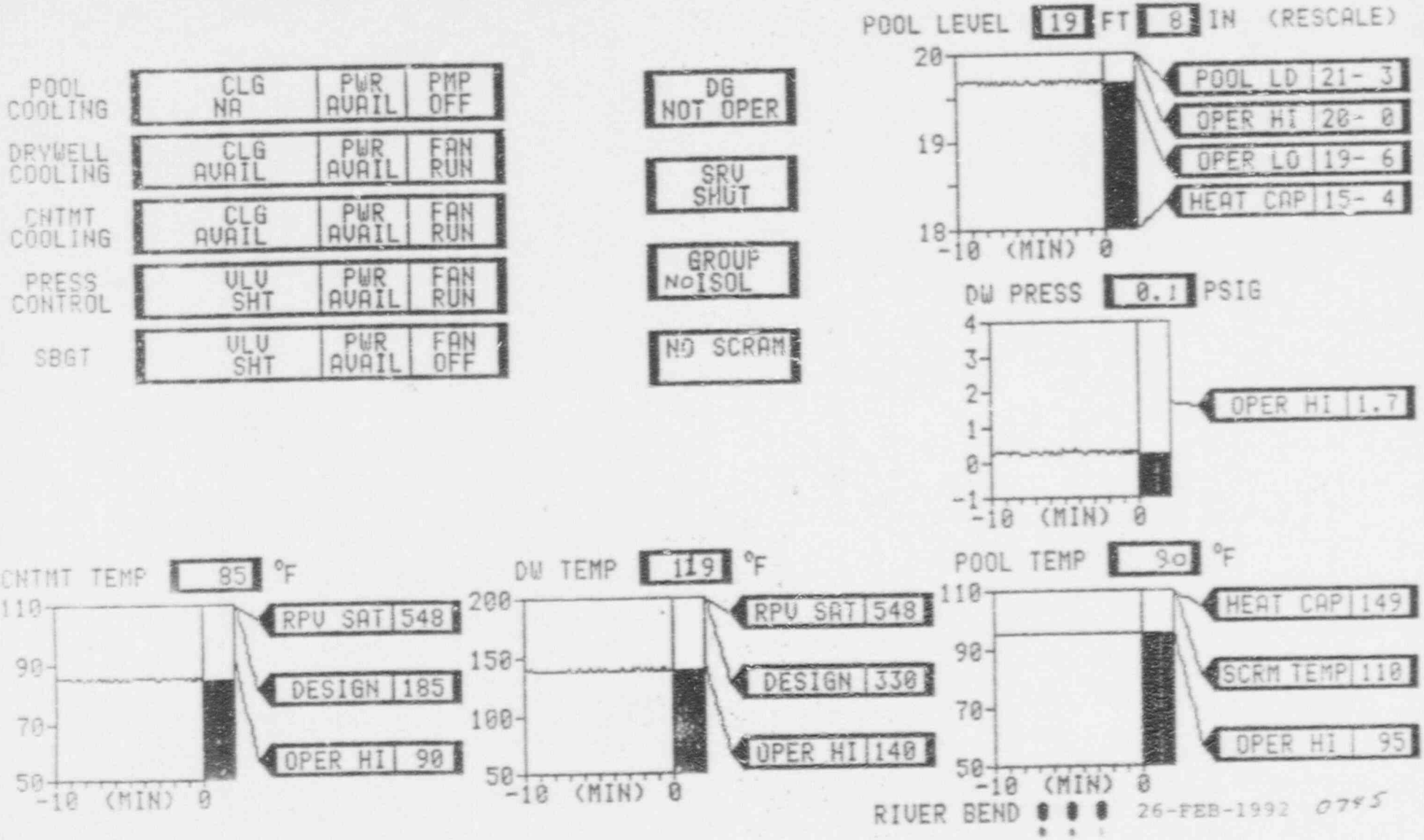


RX POWER 100 % (RESCALE)



RIVER BEND 26-FEB-1992 0745

030 RPV NORMAL CONTAINMENT CONTROL--NR



1992 EVALUATED EXERCISE
Message Number: 1

Clock Time = 0745
Scenario Time = 00/00

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	0.8	R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	0.2	mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	3.0	R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	0.2	mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	9.0	mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	0.5	mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	0.2	mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	0.4	mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	0.2	mR/hr	RE-201	Cond. Al. Removal Pmp. Area T.B. 95' (ARM)	0.2	mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	0.3	mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	1.5	mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	5.0	mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	0.1	mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4	mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	0.1	mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0	mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	0.2	mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2	mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	0.1	mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3	mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	0.09	mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28	mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	2.0	mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	0.4	mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	2.0	mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	0.2	mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	1.0	mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	0.5	mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	0.3	mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	0.3	mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	0.7	mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	0.5	mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	0.3	mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	0.5	mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	0.5	mR/hr

[redacted] - Indicates Alarming
OSH - Indicates Offscale High
All other ARMs are "as read"

Revision 1
12/20/91

1992 EVALUATED EXERCISE
Message Number: 1

Clock Time = 0745
Scenario Time = 00/00

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	1.0E-06	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	5.0E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	6.7E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	3.3E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	7.4E-07	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	1.2E-04	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	4.3E-02	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	4.0E+01	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	3.0E-11	µCi/cc		Off Gas Pre-treatment Monitor	200	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	1.0E-10	µCi/cc		Off Gas Post-treatment Monitor	80	cpm
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc		Main Steam Line Radiation Monitor	600	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc		Main Steam Line Radiation Monitor	750	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	6.4E-11	µCi/cc		Main Steam Line Radiation Monitor	750	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	8.9E-07	µCi/cc		Main Steam Line Radiation Monitor	825	mR/hr

[redacted] - Indicates Alarming
OSH - Indicates Offscale High
All other Process Monitors are "as read"

Revision 1
12/20/91

1992 EVALUATED EXERCISE

Message Number A—

Clock Time = 0800

Scenario Time = 00/15

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control

Annunciators in Control Room include:

Indications in Control Room include:

Area Radiation Monitors ALARM on DRMS

1992 EVALUATED EXERCISE

Message Number = 2

Clock Time = 0300

Scenario Time = 00/15

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

CONTROLLER INFORMATION

***** THIS IS A DRILL *****

Controller Information:

A Radwaste transfer is postulated to have begun at 0745 due to the impending backwash and pre-coat of the "B" RWCU filter/ demineralizer. At 0800 a flange break occurred in the Radwaste Building at the six way valve in the six way valve room causing a release of high activity radwaste into the Radwaste Building on elevation 95' and 65'. ARM readings exceed 1,000 times normal. See Supplemental Scenario No. 3 for details.

Expected Actions:

Review plant conditions for anything abnormal.

Contact Radwaste for assessment of problem.

Dispatch Health Physicist to survey area.

After confirmation of radiation readings an Alert should be declared per EIP-2-001, "Classification of Emergencies", Alert EAL 4, Initiating Condition 1, "Alarm of Area Radiation Monitors and Confirmation of Readings Greater Than 1,000 Times Normal Level" and direct the implementation of the following procedures:

EIP-2-003, "Alert"
EIP-2-006, "Notifications"
EIP-2-016, "Operations Support Center - Activation"
EIP-2-017, "Operations Support Center - Support Functions"
EIP-2-018, "Technical Support Center - Activation"
EIP-2-019, "Technical Support Center - Support Functions"
EIP-2-023, "Joint Information Center - Staff Activation and Functions"

1992 EVALUATED EXERCISE
Message Number - 2

Rev. 1 - 12/20/91

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

Clock Time - 0800
Scenario Time - 00/15

PANEL 601/877

	Status	Press	Flow
RHR A	SR		0
RHR B	SR		0
RHR C	SR		0
LPCS	SR		0
RCIC	SR	0	0
HPCS	SR	0	0
CRD A	OP	1900	75
CRD B	AV	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	1020	38"	WR

DIV I	DIESEL	SR
DIV II	DIESEL	OOS
DIV III	DIESEL	SR

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC.MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	ON	OFF
F022B	ON	OFF
F022C	ON	OFF
F022D	ON	OFF
F028A	ON	OFF
F028B	ON	OFF
F028C	ON	OFF
F028D	ON	OFF

PANEL 680

POWER 100% APRM LEVEL 38" NR

CNS P1A	OP	FWS P1A	OP
CNS P1B	OP	FWS P1B	OP
CNS P1C	OP	FWS P1C	OP

Total Feedwater Flow 12.4 Mlbs./hr

PANEL 808

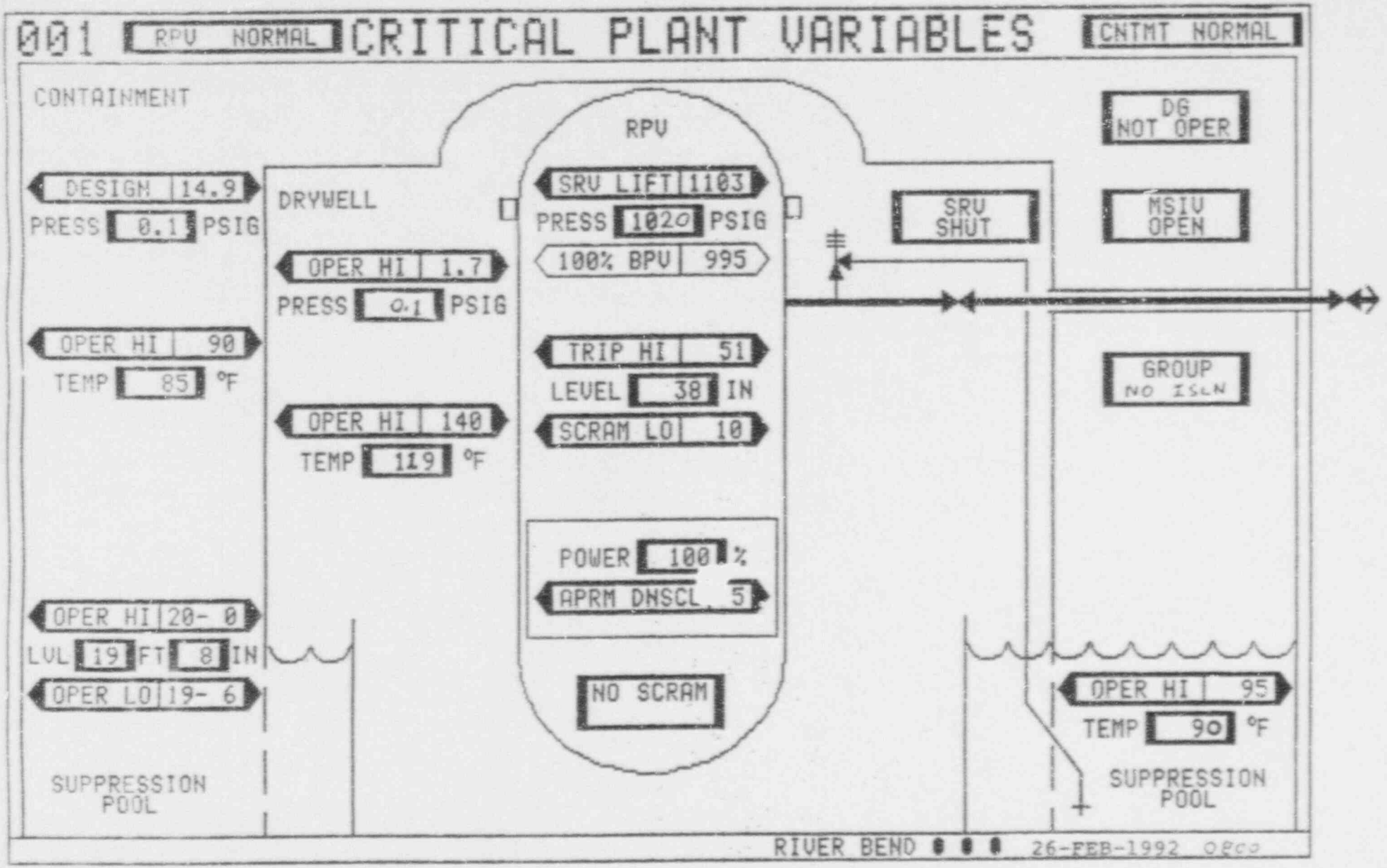
	Press	Temp	Level
DRYWELL	0.1	119°	
CTMT	0.1	85°	
SPR PL		90°	19'8"

PANEL 870/601

SSW P2A	SR	SSW P2C	SR
SSW P2B	SR	SSW P2D	SR

PANEL 863

SGTS A	SR	SGTS B	SR
D/W COOLERS OPERATING			B C D E
CTMT COOLERS OPERATING			A B


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
RPV
DG NOT OPER
DESIGN 14.9
PRESS 0.1 PSIG
DRYWELL
SRV LIFT 1103
PRESS 1020 PSIG
100% BPV 995
SRV SHUT
MSIV OPEN
OPER HI 1.7
PRESS 0.1 PSIG
OPER HI 90
TEMP 85 °F
TRIP HI 51
LEVEL 38 IN
GROUP NO ISLN
OPER HI 140
TEMP 119 °F
SCRAM LO 10
POWER 100 %
APRM DNSCL 5
OPER HI 20- 0
LVL 19 FT 8 IN
OPER LO 19- 6
NO SCRAM
OPER HI 95
TEMP 90 °F
SUPPRESSION POOL
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 08:00

021

RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP RUN
CRD	WTR AVAIL	RPV PR	PWR AVAIL	PMP RUN
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP RUN
TURBINE CONTROL	CLG NA	VAC AVAIL	H.PWR AVAIL	VLV OP
TURBINE BYPASS	CLG NA	VAC AVAIL	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG NOT OPER

SRV SHUT

MSIV OPEN

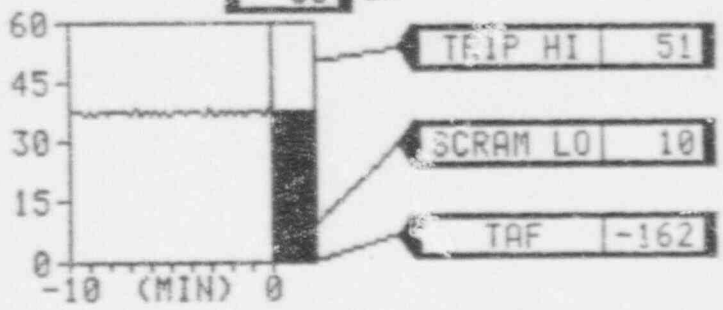
GROUP NOISOL

NO SCRAM

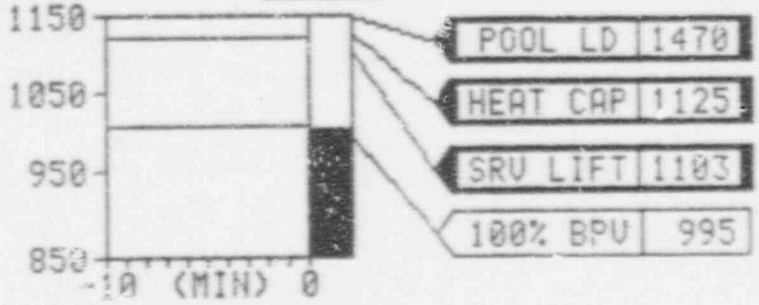
CNTMT NORMAL

RPV LEVEL 201 IN >TAF

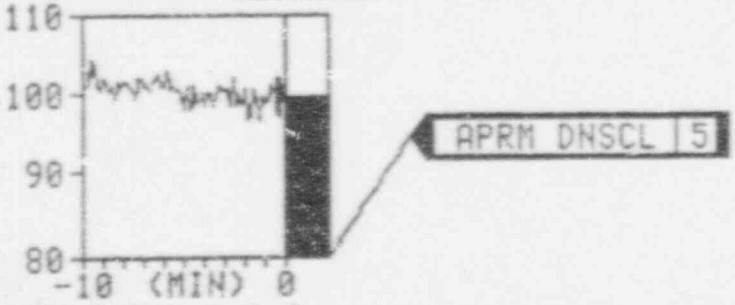
38 IN



RPV PRESS 1020 PSIG

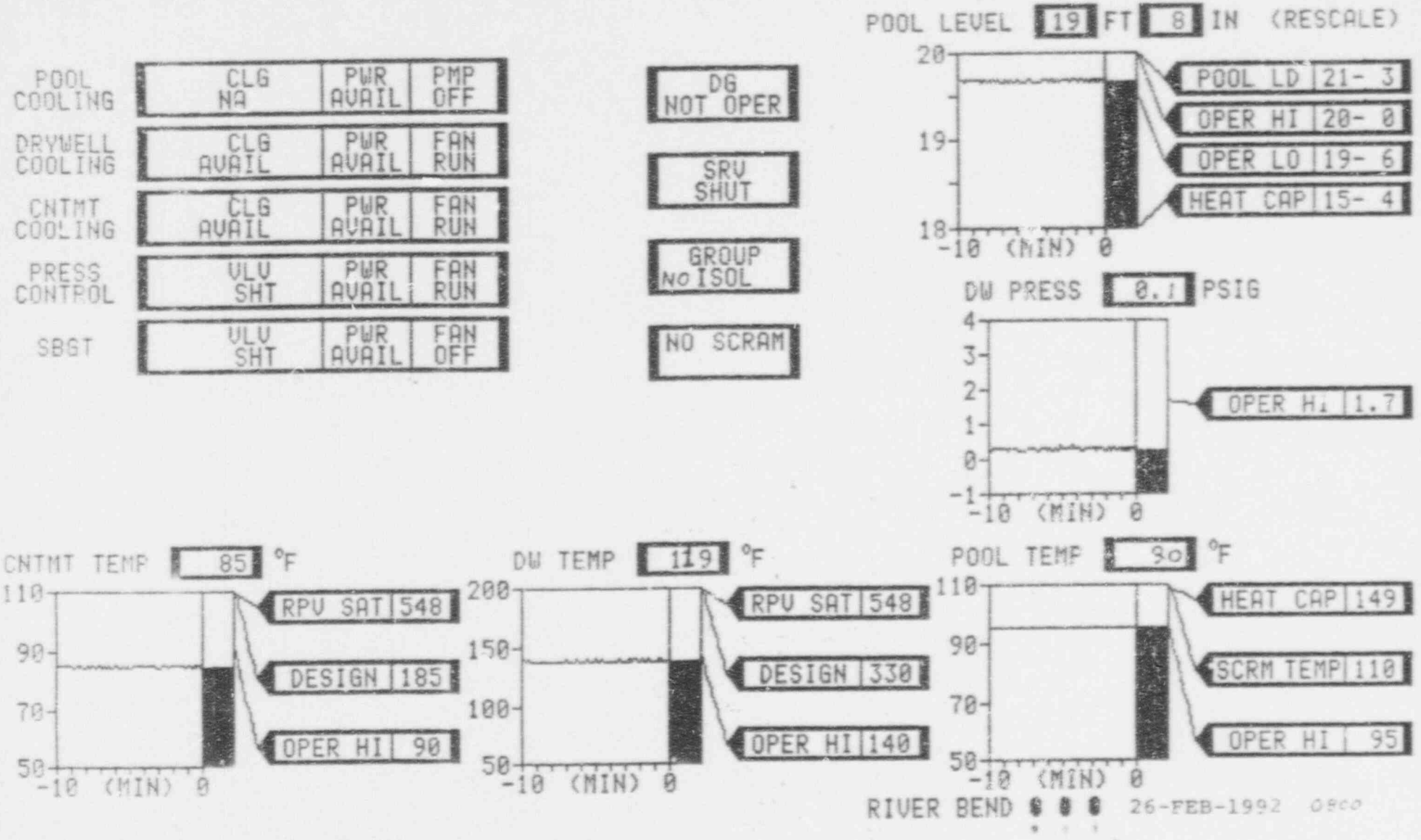


RX POWER 100 % (RESCALE)



RIVER BEND 26-FEB-1992 0800

030 RPV NORMAL CONTAINMENT CONTROL--NR



1992 EVALUATED EXERCISE

Message Number: 2

Clock Time = 0800

Scenario Time = 00/15

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	0.8	R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	0.2	mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	3.0	R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	0.2	mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	9.0	mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	0.5	mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	0.2	mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	0.4	mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	0.2	mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	0.2	mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	0.3	mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	1.5	mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	5.0	mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	0.1	mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4	mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	0.1	mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0	mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	0.2	mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2	mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	0.1	mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3	mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	0.09	mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28	mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	.0	mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	100	mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	2.0	mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	10	mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	1.0	mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	OSH	mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	0.3	mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	5.0	mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	0.7	mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	0.5	mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	0.3	mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	0.5	mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	0.5	mR/hr

- Indicates Alarming

OSH - Indicates Offscale High

All other ARMs are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number: 2

Clock Time = 0800

Scenario Time = 00/15

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	1.0E-06	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	5.0E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	6.7E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	3.3E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	7.4E-07	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	1.2E-04	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	4.3E-02	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	4.0E-01	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	3.0E-11	µCi/cc	Off Gas Pre-treatment Monitor		200	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	1.0E-10	µCi/cc	Off Gas Post-treatment Monitor		80	cpm
RE-124P	C.B./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc	Main Steam Line Radiation Monitor		800	mR/hr
RE-124G	C.B./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc	Main Steam Line Radiation Monitor		750	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	6.4E-11	µCi/cc	Main Steam Line Radiation Monitor		750	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	8.9E-07	µCi/cc	Main Steam Line Radiation Monitor		825	mR/hr

[redacted] - Indicates Alarming

OSH - Indicates Offscale High

All other Process Monitors are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number = 3

Clock Time = 0815

Scenario Time = 00/30

R BEND STATION

PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Plant Status Update

1992 EVALUATED EXERCISE

Message Number = 3

Clock Time = 0815

Scenario Time = 00/30

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
Spill in the Radwaste Building continues.	Continue efforts to isolate and contain the spill.
Radiation Protection should have confirmed area radiation readings by this time. If they have not, find out why.	

1992 EVALUATED EXERCISE
Message Number - 3

Rev. 1 - 12/20/91

Clock Time - 0815
Scenario Time - 00/30

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

PANEL 601/877

	Status	Press	Flow
RHR A	SR		0
RHR B	SR		0
RHR C	SR		0
LPCS	SR		0
RCIC	SR	0	0
HPCS	SR	0	0
CRD A	OP	1900	75
CRD B	AV	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	1020	38"	WR

DIV I	DIESEL	SR
DIV II	DIESEL	OOS
DIV III	DIESEL	SR

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC,MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	ON	OFF
F022B	ON	OFF
F022C	ON	OFF
F022D	ON	OFF
F028A	ON	OFF
F028B	ON	OFF
F028C	ON	OFF
F028D	ON	OFF

PANEL 680

POWER 100% APRM LEVEL 38" NR

CNS P1A	OP	FWS P1A	OP
CNS P1B	OP	FWS P1B	OP
CNS P1C	OP	FWS P1C	OP

Total Feedwater Flow 12.4 Mlbs./hr

PANEL 808

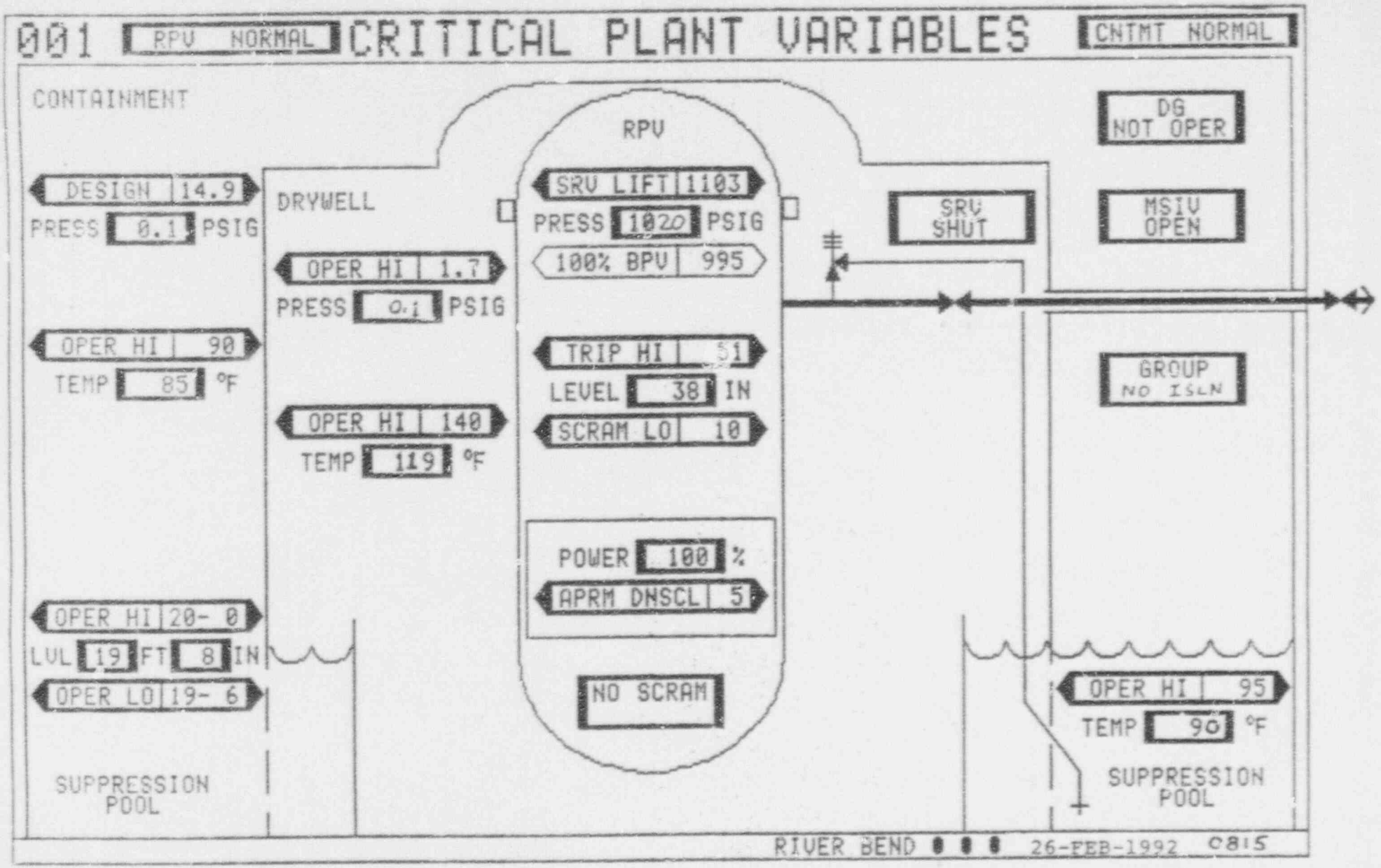
	Press	Temp	Level
DRYWELL	0.1	119°	
CTMT	0.1	85°	
SPR PL		90°	19'8"

PANEL 870/601

SSW P2A	SR	SSW P2C	SR
SSW P2B	SR	SSW P2D	SR

PANEL 863

SGTS A	SR	SGTS B	SR
D/W COOLERS OPERATING			B C D E
CTMT COOLERS OPERATING			A B


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
RPV
DG NOT OPER
DESIGN 14.9
PRESS 0.1 PSIG
DRYWELL
SRV LIFT 1103
PRESS 1020 PSIG
100% BPV 995
SRV SHUT
MSIV OPEN
OPER HI 1.7
PRESS 0.1 PSIG
OPER HI 90
TEMP 85 °F
TRIP HI 51
LEVEL 38 IN
GROUP NO ISLN
OPER HI 140
TEMP 119 °F
SCRAM LO 10
POWER 100 %
APRM DNSCL 5
OPER HI 20- 0
LVL 19 FT 8 IN
OPER LO 19- 6
NO SCRAM
OPER HI 95
TEMP 90 °F
SUPPRESSION POOL
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 0815

021

RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP RUN
CRD	WTR AVAIL	RPV PR	PWR AVAIL	PMP RUN
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP RUN
TURBINE CONTROL	CLG NA	VAC AVAIL	H.PWR AVAIL	VLV OP
TURBINE BYPASS	CLG NA	VAC AVAIL	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG NOT OPER

SRV SHUT

MSIV OPEN

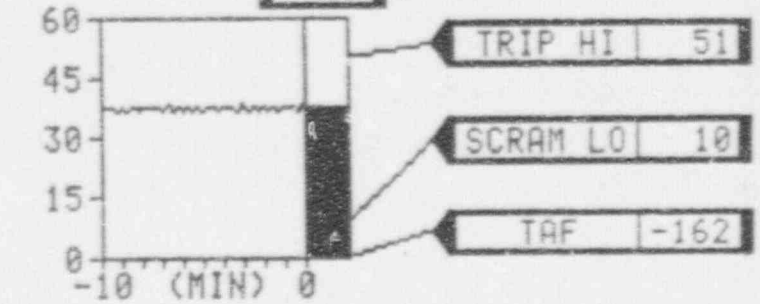
GROUP NO ISOL

NO SCRAM

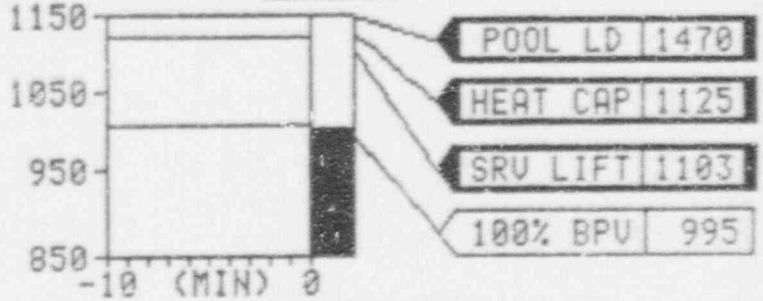
CNTMT NORMAL

RPV LEVEL 201 IN >TAF

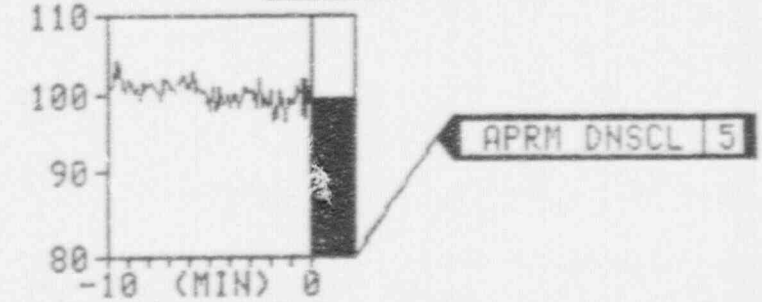
38 IN



RPV PRESS 1020 PSIG



RX POWER 100 % (RESCALE)



RIVER BEND 26-FEB-1992 08/5

030 RPV NORMAL CONTAINMENT CONTROL--NR

POOL COOLING	CLG NA	PWR AVAIL	PMP OFF
DRYWELL COOLING	CLG AVAIL	PWR AVAIL	FAN RUN
CNTMT COOLING	CLG AVAIL	PWR AVAIL	FAN RUN
PRESS CONTROL	VLV SHT	PWR AVAIL	FAN RUN
SBGT	VLV SHT	PWR AVAIL	FAN OFF

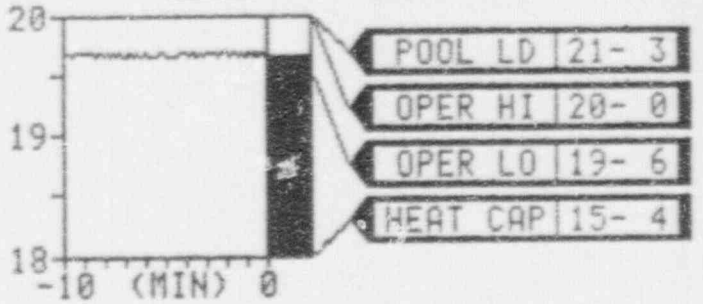
DG NOT OPER

SRV SHUT

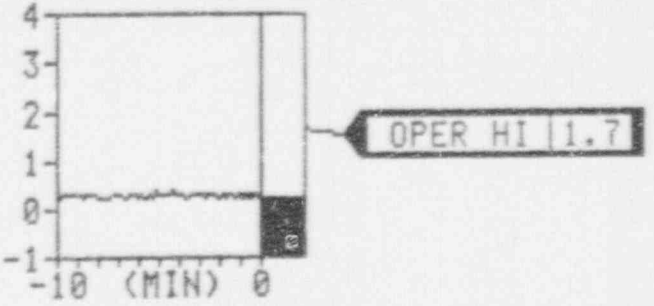
GROUP NO ISOL

NO SCRAM

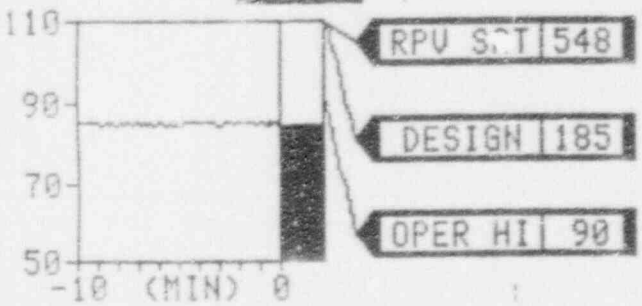
POOL LEVEL 19 FT 8 IN (RESCALE)



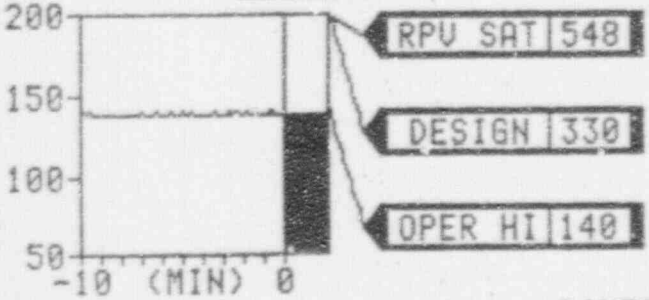
DW PRESS 0.1 PSIG



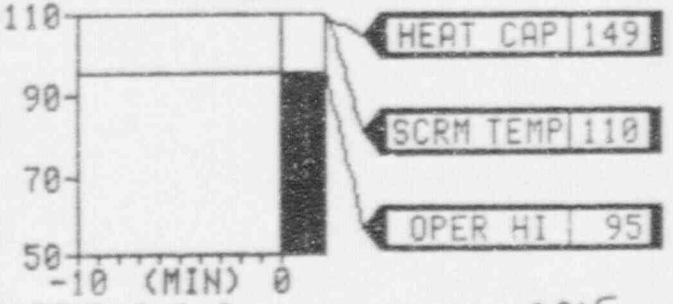
CNTMT TEMP 85 °F



DW TEMP 119 °F



POOL TEMP 90 °F



RIVER BEND 26-FEB-1992 0815

1992 EVALUATED EXERCISE

Message Number: 3

Clock Time = 0815

Scenario Time = 00/30

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	0.8	R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	0.2	mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	3.0	R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	0.2	mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	9.0	mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	0.5	mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	0.2	mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	0.4	mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	0.2	mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	0.2	mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	0.3	mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	1.5	mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	5.0	mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	0.1	mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4	mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	0.1	mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0	mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	0.2	mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2	mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	0.1	mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3	mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	0.09	mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28	mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	2.0	mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	100	mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	2.0	mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	10	mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	1.0	mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	OSH	mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	0.3	mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	5.0	mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	0.7	mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	0.5	mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	0.3	mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	0.5	mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	0.5	mR/hr

- Indicates Alarming

OSH - Indicates Offscale High

All other ARMs are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number: 3

Clock Time = 0815

Scenario Time = 00/30

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	1.0E-06	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	5.0E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	6.7E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	3.3E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	7.4E-07	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	1.2E-04	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	4.3E-02	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	4.0E+01	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	3.0E-11	µCi/cc	Off Gas Pre-treatment Monitor		200	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	1.0E-10	µCi/cc	Off Gas Post-treatment Monitor		80	cpm
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc	Main Steam Line Radiation Monitor		800	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc	Main Steam Line Radiation Monitor		750	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	6.4E-11	µCi/cc	Main Steam Line Radiation Monitor		750	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	8.9E-07	µCi/cc	Main Steam Line Radiation Monitor		825	mR/hr

XXXX - Indicates Alarming
OSH - Indicates Offscale High
All other Process Monitors are "as read"

Revision 1
12/20/91

1992 EVALUATED EXERCISE

Message Number = 4

Clock Time = 0830

Scenario Time = 00/45

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To:

Plant Status Update

1992 EVALUATED EXERCISE

Message Number = 4

Clock Time = 0830

Scenario Time = 00/45

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:

Expected Actions:

Control Room should be advising the TSC of plant conditions/status of the spill as the TSC becomes operational.

Maintain contact with State and local governments.

1992 EVALUATED EXERCISE
Message Number - 4

Rev. 1 - 12/20/91

Clock Time - 0830
Scenario Time - 00/45

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

PANEL 601/877

	Status	Press	Flow
RHR A	SR		0
RHR B	SR		0
RHR C	SR		0
LPCS	SR		0
RCIC	SR	0	0
HPCS	SR	0	0
CRD A	OP	1900	75
CRD B	AV	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	1020	38"	WR

DIV I	DIESEL	SR
DIV II	DIESEL	OOS
DIV III	DIESEL	SR

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC.MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	ON	OFF
F022B	ON	OFF
F022C	ON	OFF
F022D	ON	OFF
F028A	ON	OFF
F028B	ON	OFF
F028C	ON	OFF
F028D	ON	OFF

PANEL 680

POWER 100% APRM LEVEL 38" NR

CNS P1A	OP	FWS P1A	OP
CNS P1B	OP	FWS P1B	OP
CNS P1C	OP	FWS P1C	OP

Total Feedwater Flow 12.4 Mlbs./hr

PANEL 808

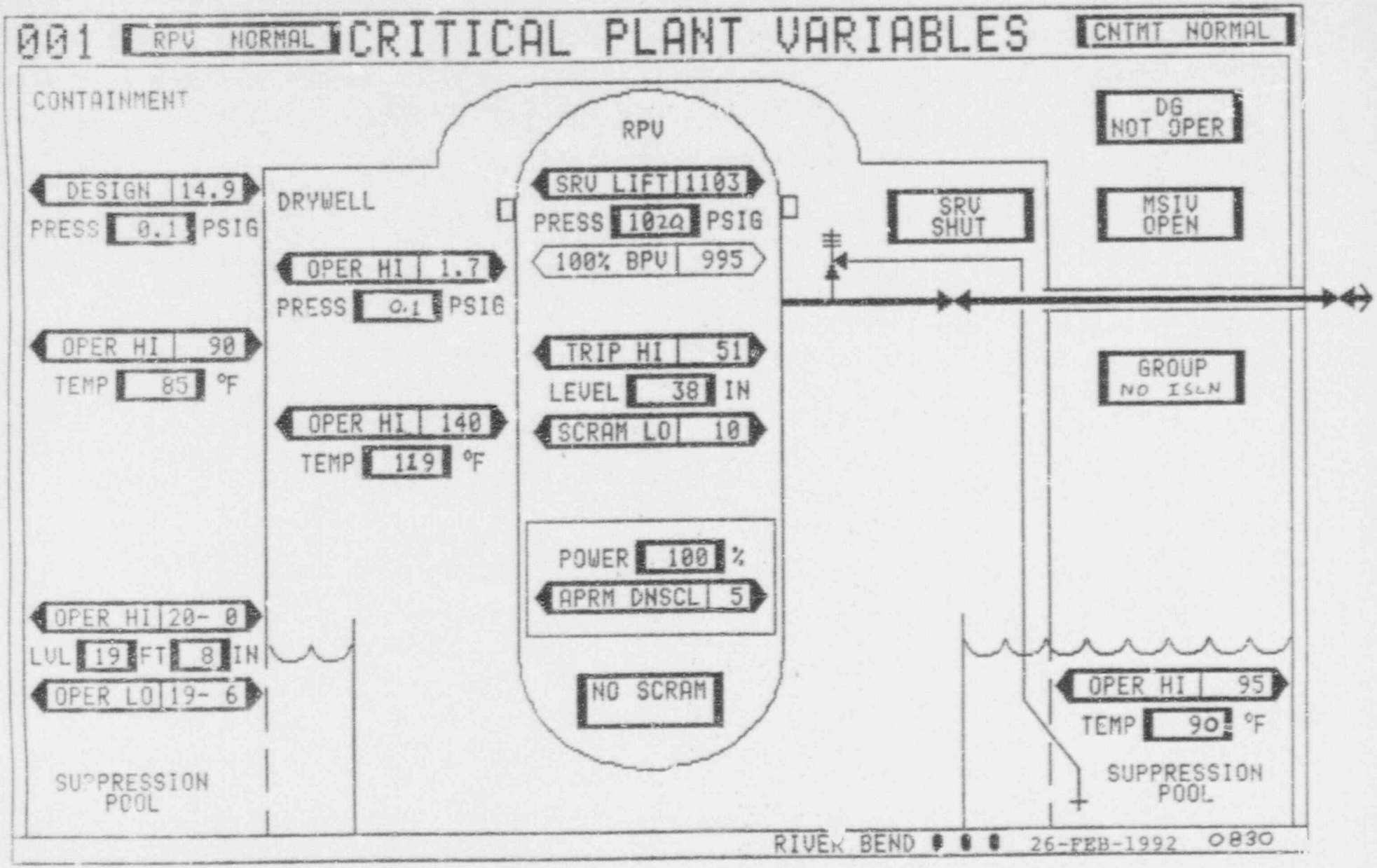
	Press	Temp	Level
DRYWELL	0.1	119°	
CTMT	0.1	85°	
SPR PL		90°	19'8"

PANEL 870/601

SSW P2A	SR	SSW P2C	SR
SSW P2B	SR	SSW P2D	SR

PANEL 863

SGTS A	SR	SGTS B	SR
D/W COOLERS OPERATING			B C D E
CTMT COOLERS OPERATING			A B


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
RPV
DG NOT OPER
DESIGN 14.9
PRESS 0.1 PSIG
DRYWELL
SRV LIFT 1103
PRESS 1020 PSIG
100% BPV 995
SRV SHUT
MSIV OPEN
OPER HI 1.7
PRESS 0.1 PSIG
OPER HI 90
TEMP 85 °F
TRIP HI 51
LEVEL 38 IN
GROUP NO ISLN
OPER HI 140
TEMP 119 °F
SCRAM LO 10
POWER 100 %
APRM DNSCL 5
OPER HI 20- 0
LVL 19 FT 8 IN
OPER LO 19- 6
NO SCRAM
OPER HI 95
TEMP 90 °F
SUPPRESSION POOL
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 0830

021

RPV CONTROL--NR/PWR

CNTMT NORMAL

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP RUN
CRD	WTR AVAIL	RPV PR	PWR AVAIL	PMP RUN
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP RUN
TURBINE CONTROL	CLG NA	VAC AVAIL	H.PWR AVAIL	VLV OP
TURBINE BYPASS	CLG NA	VAC AVAIL	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG NOT OPER

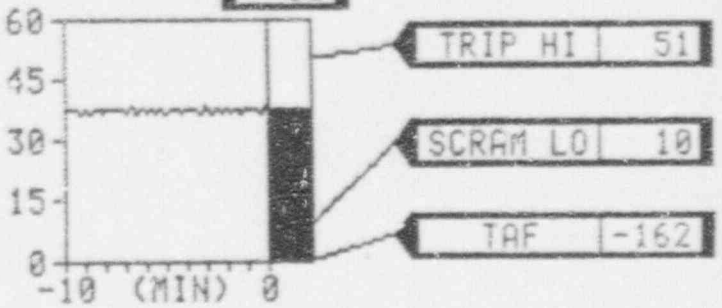
SRV SHUT

MSIV OPEN

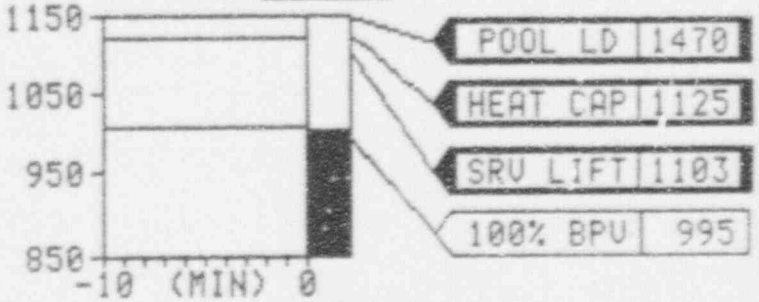
GROUP NOISOL

NO SCRAM

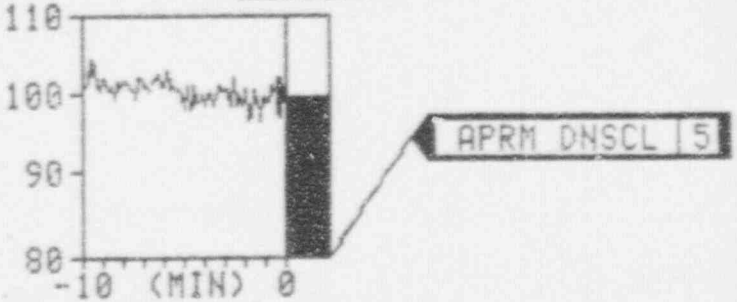
RPV LEVEL 201 IN >TAF
38 IN



RPV PRESS 1020 PSIG



RX POWER 100 % (RESCALE)



RIVER BEND 26-FEB-1992 0830

030 RPV NORMAL CONTAINMENT CONTROL--NR

POOL COOLING	CLG NA	PWR AVAIL	PMP OFF
DRYWELL COOLING	CLG AVAIL	PWR AVAIL	FAN RUN
CNTMT COOLING	CLG AVAIL	PWR AVAIL	FAN RUN
PRESS CONTROL	VLV SHT	PWR AVAIL	FAN RUN
SBGT	VLV SHT	PWR AVAIL	FAN OFF

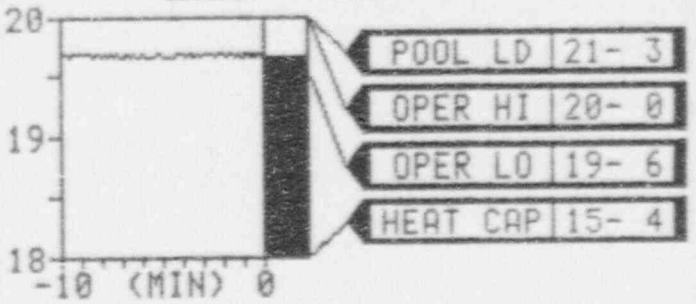
DG NOT OPER

SRV SHUT

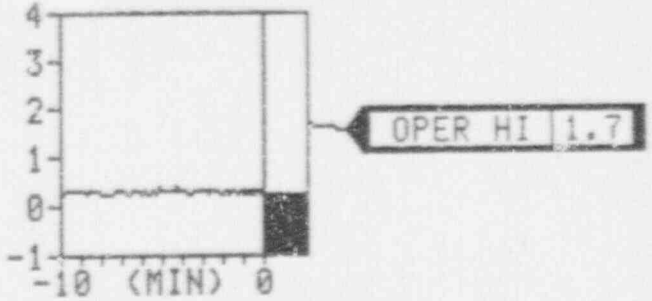
GROUP No ISOL

NO SCRAM

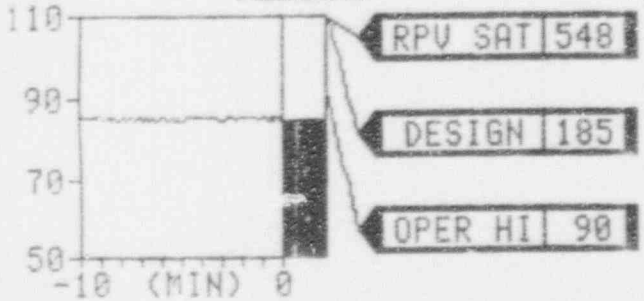
POOL LEVEL 19 FT 8 IN (RESCALE)



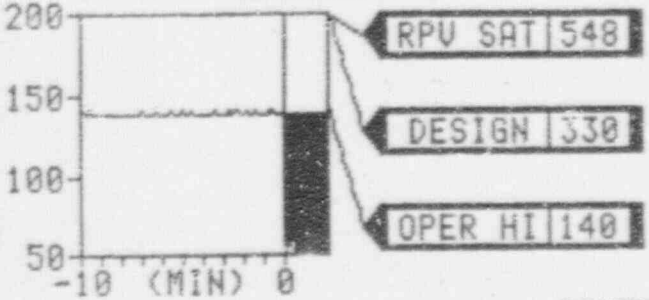
DW PRESS 0.1 PSIG



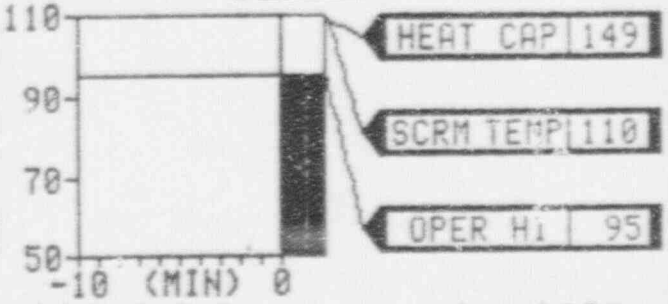
CNTMT TEMP 85 °F



DW TEMP 119 °F



POOL TEMP 90 °F



RIVER BEND 26-FEB-1992 0830

1992 EVALUATED EXERCISE

Message Number: 4

Clock Time = 0830

Scenario Time = 00/45

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	0.8	R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	0.2	mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	3.0	R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	0.2	mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	9.0	mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	0.5	mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	0.2	mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	0.4	mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	0.2	mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	0.2	mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	0.3	mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	1.5	mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	5.0	mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	0.1	mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4	mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	0.1	mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0	mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	0.2	mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2	mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	0.1	mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3	mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	0.09	mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28	mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	2.0	mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	100	mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	2.0	mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	10	mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	1.0	mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	OSH	mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	0.3	mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	5.0	mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	0.7	mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	0.5	mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	0.3	mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	0.5	mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	0.5	mR/hr

- Indicates Alarming

OSH - Indicates Offscale High

All other ARMs are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number: 4

Clock Time = 0830

Scenario Time = 00/45

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	1.0E-06	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	5.0E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	6.7E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	3.3E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	7.4E-07	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	1.2E-04	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	4.3E-02	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	4.0E-01	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	3.0E-11	µCi/cc	Off Gas Pre-treatment Monitor		200	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	1.0E-10	µCi/cc	Off Gas Post-treatment Monitor		80	cpm
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc	Main Steam Line Radiation Monitor		800	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc	Main Steam Line Radiation Monitor		750	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	6.4E-11	µCi/cc	Main Steam Line Radiation Monitor		750	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	8.9E-07	µCi/cc	Main Steam Line Radiation Monitor		825	mR/hr

[redacted] - Indicates Alarming
OSH - Indicates Offscale High
All other Process Monitors are "as read"

Revision 1
12/20/91

1992 EVALUATED EXERCISE

Message Number = 4.1x

Clock Time = 0840

Scenario Time = 00/55

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Declare an Alert in accordance with EIP-2-001, "Classification of Emergencies", Alert EAL 4, Initiating Condition 1, "Alarm of Area Radiation Monitors and Confirmation of Readings Greater than 1,000 Times Normal Level".

1992 EVALUATED EXERCISE

Message Number = 4.1x

Clock Time = 0840

Scenario Time = 00/55

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
Deliver this message only if an Alert has not been declared, the Shift Supervisor has not recognized that events have occurred which require the declaration of an Alert, and no actions are being taken which would result in the declaration of an Alert.	Declare an Alert as required.

1992 EVALUATED EXERCISE

Message Number = 5

Clock Time = 0845

Scenario Time = 01/00

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Annunciators in Control Room include:

Reactor Level High/Low - P680-3A/B6
Rx Fw Pumps Low Disch Press P680-03A/B02
RPS Trip - RHR Isol Low Rx Water Level 3 - P680-06A/B04
RPS Trip Logic A or C Activated - P680-05A/A09
RPS Trip Logic B or D Activated - P680-05A/A10
APRM Downscale - P680-06A/C02
HPCS Initiation Low Rx Water Level 2 - P601-16A/A04
HPCS Pump Motor Overcurrent - P601-16A/F05
HPCS Injection Line Pressure Low - P601-16A/G04
Diesel Engine Running - P601-
1NNS-SWG1A/1B/1C Dist Breakers Auto Trip - P808/86A/B8
1NNS-SWG1A/1B Undervoltage - P808-86A/B6
Turb Cmpnt Clg Water Pump Brkrs Auto Trip P870-55A/E01
Div I NSSSS Init Low Rx Water Level 2 - P601-19A/A02

Indications in Control Room include:

Rx FWP discharge pressure	100 PSIG
RX FWP motor amps	409 amps
Feedwater Flow A C33-R604A	8 Mlbs/hr
Feedwater Flow B C33-R604B	0 Mlbs/hr
B21*AOV 32A & B Indicate	Green light lit
	Red light off

All Control Rod Positions on RCIS and Computer are 00
E22*F004 Indicates Open
E22*ACB02, HPCS Pump Supply Brkr, Amber and White Light Lit
1E51-F045 Indicates Open
1E51-F065 and -F066 Indicate Open
RCIC Flow is Indicating 400 GPM
Main Turbine Indicates Tripped on P680

1992 EVALUATED EXERCISE

Message Number = 5

Clock Time = 0845

Scenario Time = 01/00

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room (Continued)

Annunciators in Control Room include:

Div I NSSSS Init Low Rx Water Level 1 - P601-19A/A4
PFD STA XFMR 1RTX-XSR1D Voltage Low - P808-88A/H-1
1NNS-SWG1A/1B Undervoltage - P808-86A/B6
1NNS-SWG1A/1B/1C Distr Breakers Auto Trip - P808-86A/B8
ENS*SWG1A Sply or Distr Breakers Auto Trip - P877-31A-D3
ENS*SWG1B Sply or Distr Breakers Auto Trip
Reactor Low Level - P601-17A/E2
RHR Sys 1 Activated - P601-20A/E6
RHR Sys 2 Activated - P601-17A/E3
Reactor Low Level - P601-21A/E8
LPCS System Activated - P601-21A/B8
Div 1 LPCS Init Low Reactor Water Level 1 - P601-21A/E8

Indications in Control Room include:

1NNS-ACB07 Indicates No Lights Lit
1NNS-ACB06 Indicates Amber, White, and Green Lights Lit
CCS-P1A Indicates White, Amber, and Green Lights Lit on P870
CCS-P1B and -P1C Indicates White and Red Lights Lit
1GTS*FN-1A and B Indicate White and Red Lights Lit
MSL A, B, C, and D Inboard and Outboard MSIV's Indicate Green Light Lit
1NNS-ABC15, 1ENS-ACB26, and 1ENS-ACB04 Indicate White, Amber, and Green Lights Lit
RHR Pump A Breaker Indicates White and Red Lights Lit
E12*F014AIndicates Red Light Lit, Green Light Out
LPCS/RHR Div 1 Initiation Reset Amber Light is Lit
LPCS Pump Red and White Lights are Lit
E21*F005,LPCS Inject Isol Valve Green Light is Lit

1992 EVALUATED EXERCISE

Message Number = 5

Clock Time = 0845

Scenario Time = 01/00

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:

A feedwater line break has occurred between B21*MOV65A and B21*MOV7A resulting in a loss ed to the reactor vessel. The transient caused the feedwater inboard and outboard check valves to slam shut damaging the "A" loop inboard check valve and preventing it from closing completely.

The rapidly decreasing Rx water level reached level 1 (-142 inches) within approximately 1 minute resulting in a reactor scram, RCIC start, LOCA isolations and a turbine trip. RCIC initiated and is injecting but required an excessive period of time (approximately 90 seconds) to obtain rated speed and flow. HPCS failed to initiate due to a mechanical problem (see Supplemental Scenario No. 5).

Improper load sequencing on the LOCA signal resulted in an undervoltage on Preferred Station Transformer 1RTX-XSR1D with subsequent loss of 1NNS-SWG1B, 1ENS*SWG1A, and 1ENS*SWG1B. Div I and III diesel generators start reenergizing 1E22*S004 and 1ENS*SWG1A.

Expected Actions:

Enter EOP-1, AOP-0001, 0002, 0003.

Determine cause for loss of Rx water level.

Review EIP-2-001, "Classification of Emergencies".

Investigate cause for loss of electrical power and attempt to restore power.

Investigate cause for failure of HPCS.

Update TSC on current plant status.

1992 EVALUATED EXERCISE
Message Number - 5

Rev. 1 - 12/20/91

Clock Time - 0845
Scenario Time - 01/00

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

PANEL 601/877

	Status	Press	Flow
RHR A	OP		0
RHR B	OOS		0
RHR C	OOS		0
LPCS	OP		0
RCIC	OP	920	280
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	920	-150	FZ

DIV I	DIESEL	OP
DIV II	DIESEL	OOS
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC,MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL -150

CNS P1A	OP	FWS P1A	OP
CNS P1B	OP	FWS P1B	OP
CNS P1C	OP	FWS P1C	OP

Total Feedwater Flow 8 Mlbs./hr

PANEL 808

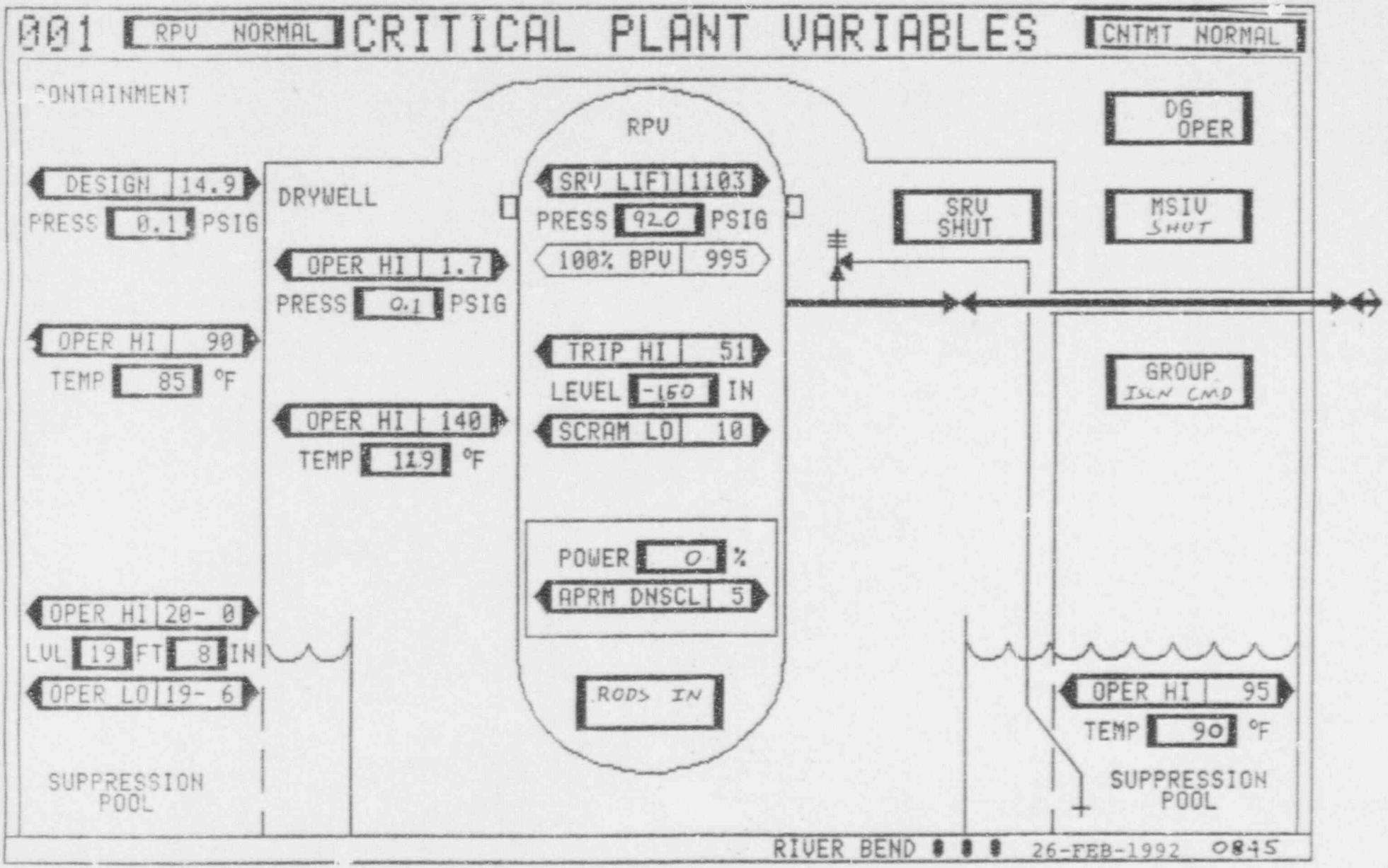
	Press	Temp	Level
DRYWELL	0.1	119°	
CTMT	0.1	85°	
SPR PL		90°	19'8"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OOS	SSW P2D	OOS

PANEL 863

SGTS A	OP	SGTS B	OOS
D/W COOLERS OPERATING			SS
CTMT COOLERS OPERATING			A


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
RPV
DG OPER
DESIGN 14.9
PRESS 0.1 PSIG
DRYWELL
SRV LIFT 1103
PRESS 920 PSIG
100% BPV 995
SRV SHUT
MSIV SHUT
OPER HI 1.7
PRESS 0.1 PSIG
OPER HI 90
TEMP 85 °F
TRIP HI 51
LEVEL -160 IN
GROUP ISLN CMD
OPER HI 140
TEMP 119 °F
SCRAM LO 10
POWER 0 %
APRM DNSCL 5
OPER HI 20- 0
LVL 19 FT 8 IN
OPER LO 19- 6
RODS IN
OPER HI 95
TEMP 90 °F
SUPPRESSION POOL
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 0845

021

RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP RUN
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP RUN
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP RUN
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP RUN
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG OPER

SRV SHUT

MSIV SHUT

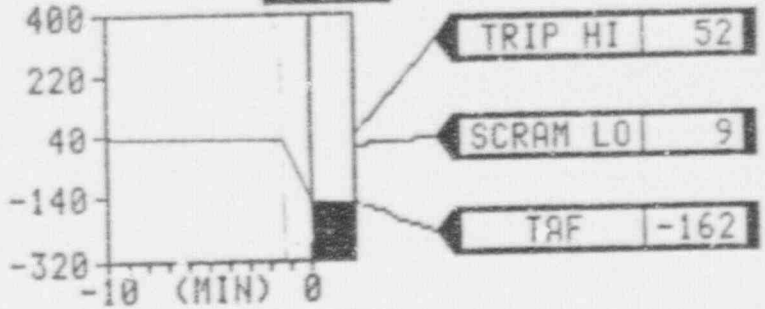
GROUP ISLN CMD

RODS IN

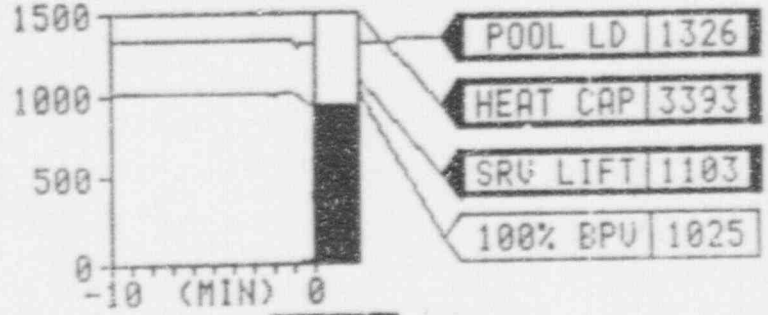
CNTMT NORMAL

RPV LEVEL 13 IN >TAF

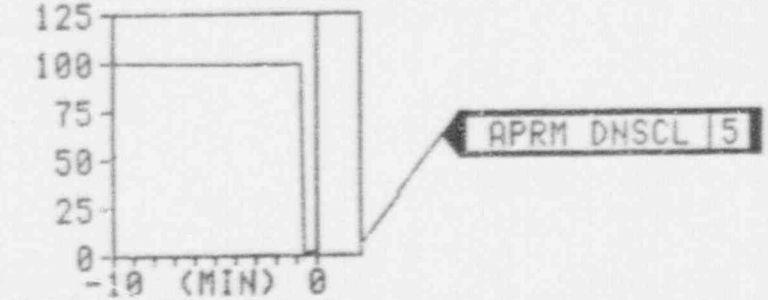
-150 IN



RPV PRESS 920 PSIG

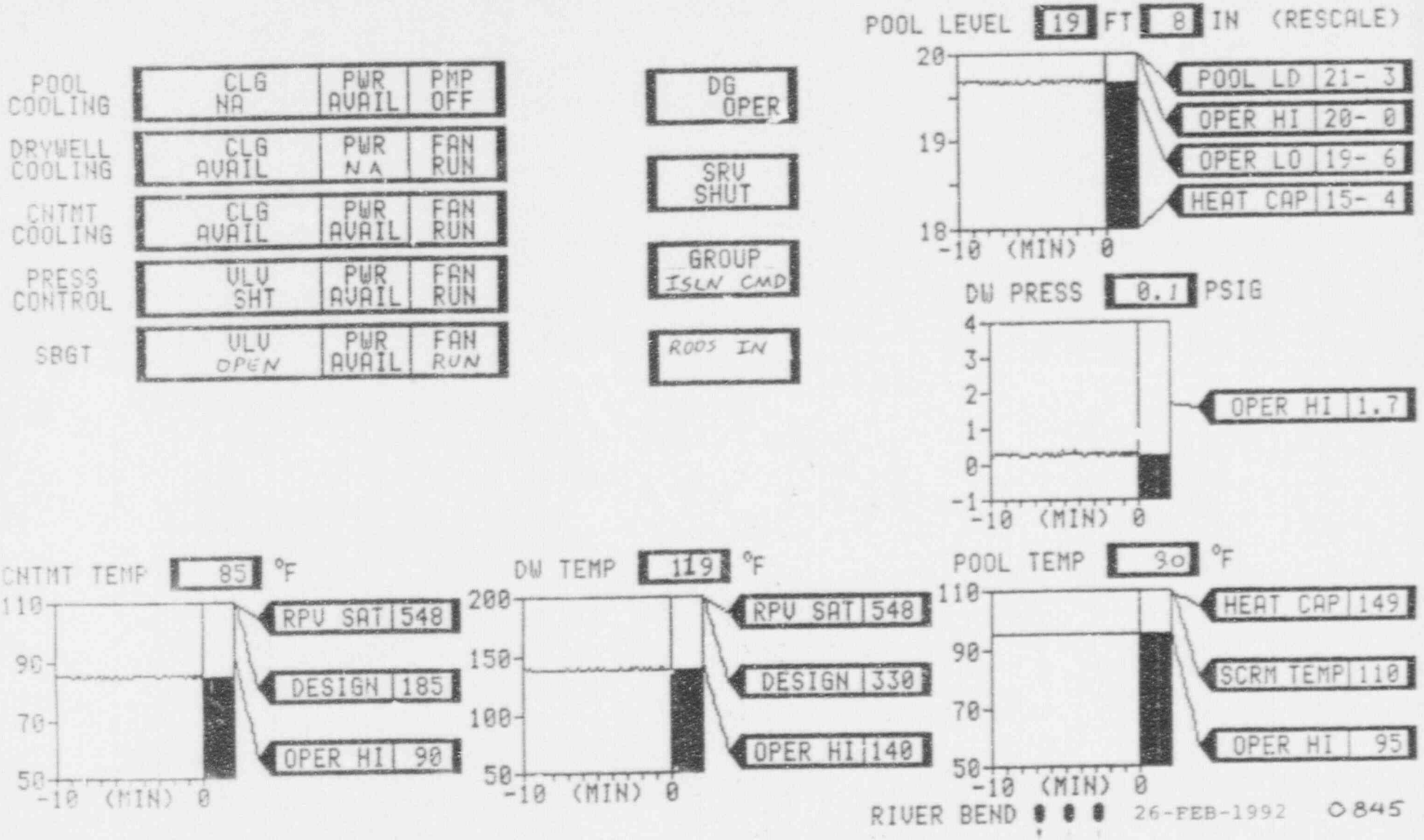


RX POWER 0 %



RIVER BEND 26-FEB-1992 0845

030 RPV NORMAL CONTAINMENT CONTROL--NR



1992 EVALUATED EXERCISE

Message Number: 5

Clock Time = 0845

Scenario Time = 01/00

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	0.8	R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	0.2	mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	3.0	R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	0.2	mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	9.0	mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	0.5	mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	0.2	mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	0.4	mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	0.2	mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	0.2	mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	0.3	mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	1.5	mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	5.0	mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	0.1	mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4	mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	0.1	mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0	mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	0.2	mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2	mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	0.1	mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3	mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	0.09	mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28	mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	2.0	mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	100	mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	2.0	mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	10	mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	1.0	mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	OSH	mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	0.3	mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	5.0	mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	0.7	mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	0.5	mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	0.3	mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	0.5	mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	0.5	mR/hr

[redacted] - Indicates Alarming

OSH - Indicates Offscale High

All other ARMs are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number: 5

Clock Time = 0845

Scenario Time = 01/00

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	1.0E-06	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	5.0E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	6.7E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	3.3E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	7.4E-07	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/c.
2GE-125	Main Plant Exh. Duct (WRGM)	1.2E-04	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	4.3E-02	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	4.0E+01	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	3.0E-11	µCi/cc		Off Gas Pre-treatment Monitor	100	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	1.0E-10	µCi/cc		Off Gas Post-treatment Monitor	15	cpm
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc		Main Steam Line Radiation Monitor	500	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc		Main Steam Line Radiation Monitor	500	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	5.6E-11	µCi/cc		Main Steam Line Radiation Monitor	500	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	8.9E-07	µCi/cc		Main Steam Line Radiation Monitor	500	mR/hr

[illegible] - Indicates Alarming

OSH - Indicates Offscale High

All other Process Monitors are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number = 6

Clock Time = 0900

Scenario Time = 01/15

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Annunciators in Control Room include:

RHR Pump A Disch Pressure Hi/Low - P601-20A/C04

RHR Pump Motor A Auto Trip - P601-20A/E05

Indications in Control Room include:

RHP A Loop Flow, E12-R603A Indicates 0 GPM

RHR Pump A Motor Amps, E12-C002A Indicate 0 Amps

RHR Pump A Indicates Amber and White Lights Lit,
Red and Green Lights Out

1992 EVALUATED EXERCISE

Message Number = 6

Clock Time = 0900

Scenario Time = 01/15

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:

An explosion has occurred in the RHR A pump room damaging the power lines to the pump motor. This results in the pump breaker tripping open.

See Supplemental Scenario No. 6 for details. RHR B and C are unavailable due to the loss of 1ENS*SWG1B. Therefore, this results in a loss of all RHR pumps. Only RCIC and LPCS are available to provide water to the core. The operators might consider reducing RPV pressure to the LPCS injection permissive pressure. However, the data assumes that they do not take this action.

Expected Actions:

Investigate the cause for the loss of the A RHR pump.

1992 EVALUATED EXERCISE
Message Number - 6

Rev. 1 - 12/20/91

Clock Time - 0900
Scenario Time - 01/15

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

PANEL 601/877

	Status	Press	Flow
RHR A	OOS		0
RHR B	OOS		0
RHR C	OOS		0
LPCS	OP		0
RCIC	OP	1033	625
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	10.3	-105	WR

DIV I	DIESEL	OP
DIV II	DIESEL	OOS
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC,MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	ON	OFF	ON
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL -105

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1B	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 808

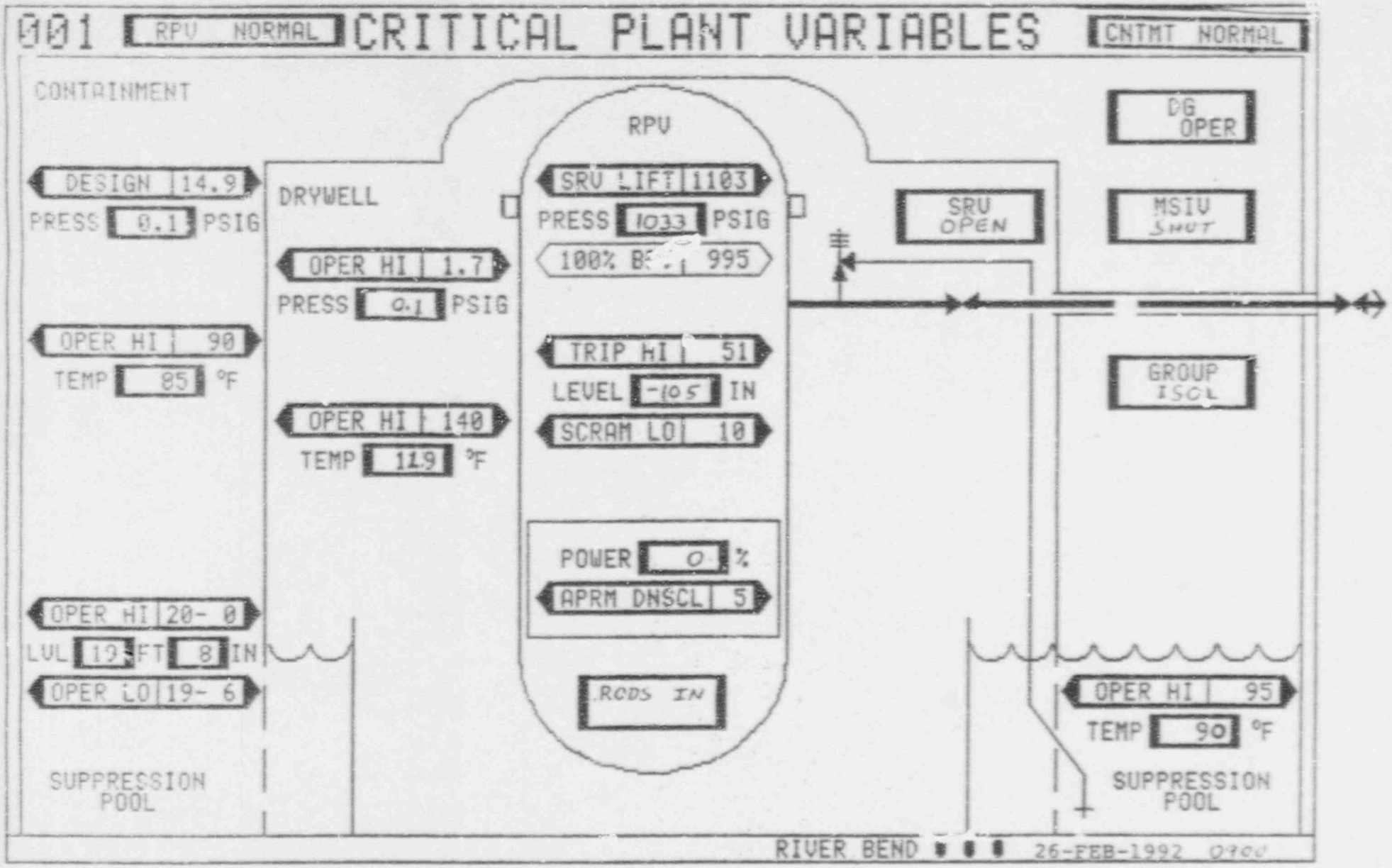
	Press	Temp	Level
DRYWELL	0.1	119°	
CTMT	0.1	85°	
SPR PL		90°	19'8"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OOS	SSW P2D	OOS

PANEL 863

SGTS A	OP	SGTS B	OOS
D/W COOLERS OPERATING			SS
CTMT COOLERS OPERATING			A


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTRINMENT
RPV
DG OPER
DESIGN 14.9
PRESS 0.1 PSIG
DRYWELL
SRV LIFT 1103
PRESS 1033 PSIG
100% B 995
SRV OPEN
MSIV SHUT
OPER HI 1.7
PRESS 0.1 PSIG
OPER HI 90
TEMP 85 °F
TRIP HI 51
LEVEL -105 IN
GROUP ISOL
OPER HI 140
TEMP 119 °F
SCRAM LO 10
POWER 0 %
APRM DNSCL 5
OPER HI 20- 0
LVL 19 FT 8 IN
OPER LO 19- 6
RODS IN
OPER HI 95
TEMP 90 °F
SUPPRESSION POOL
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 0900

021

RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP RUN
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP RUN
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV OP
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG OPER

SRV OPEN

MSIV SHUT

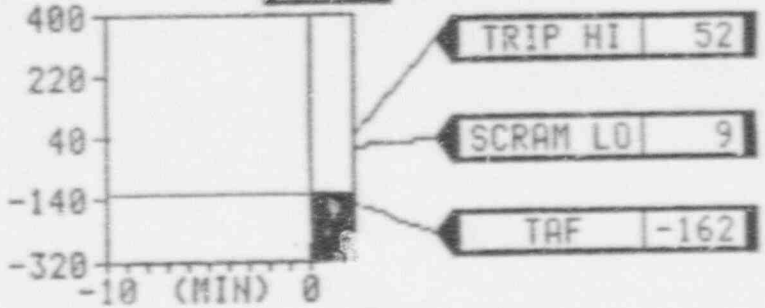
GROUP ISOL

RODS IN

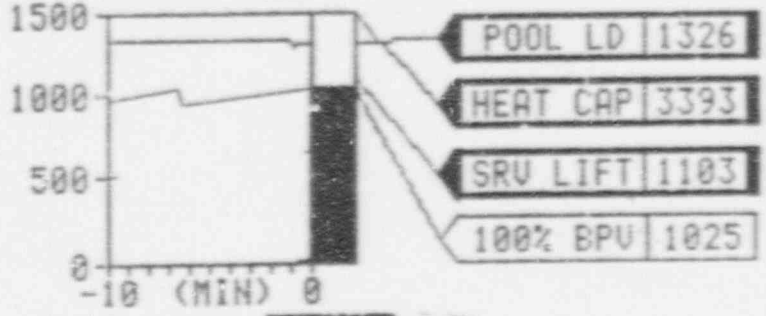
CNTMT NORMAL

RPV LEVEL 58 IN >TAF

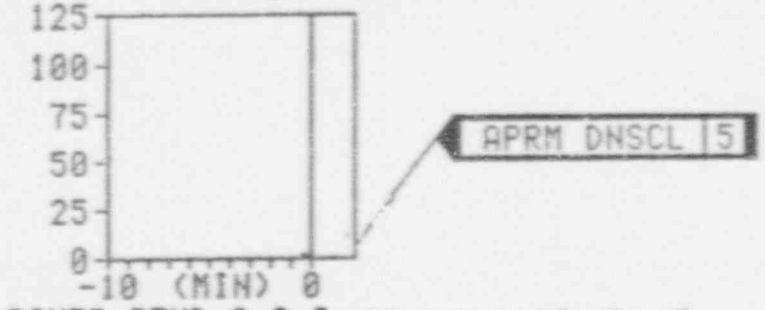
-105 IN



RPV PRESS 1033 PSIG



RX POWER 0 %



RIVER BEND 26-FEB-1992 0900

030 RPV NORMAL CONTAINMENT CONTROL--NR

POOL COOLING	CLG NA	PWR AVAIL	PMP OFF
DRYWELL COOLING	CLG AVAIL	PWR NA	FAN OFF
CNTMT COOLING	CLG AVAIL	PWR AVAIL	FAN RUN
PRESS CONTROL	VLV SHT	PWR AVAIL	FAN RUN
SBGT	VLV OPEN	PWR AVAIL	FAN RUN

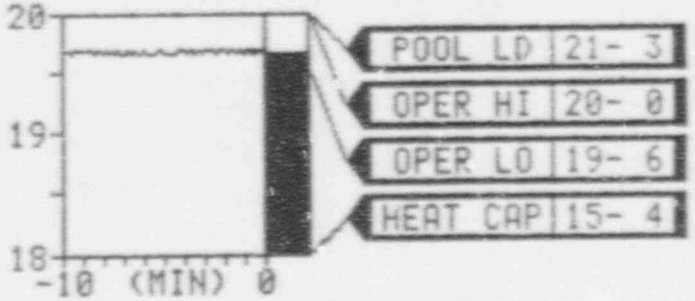
DG OPER

SRV OPEN

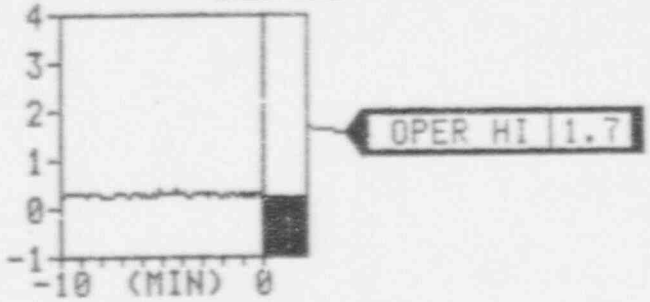
GROUP ISOL

RODS IN

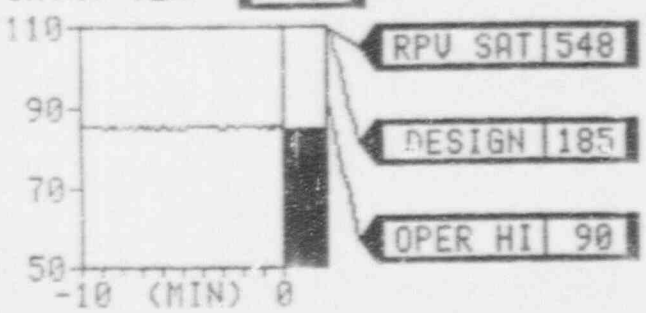
POOL LEVEL 19 FT 8 IN (RESCALE)



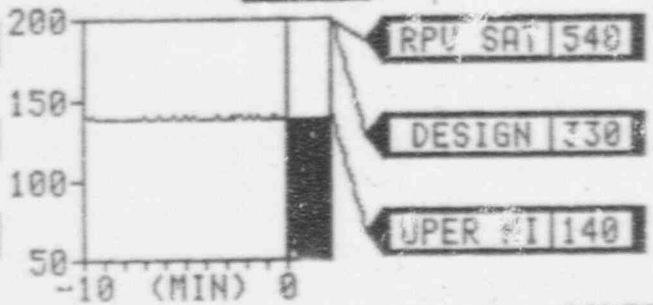
DW PRESS 0.1 PSIG



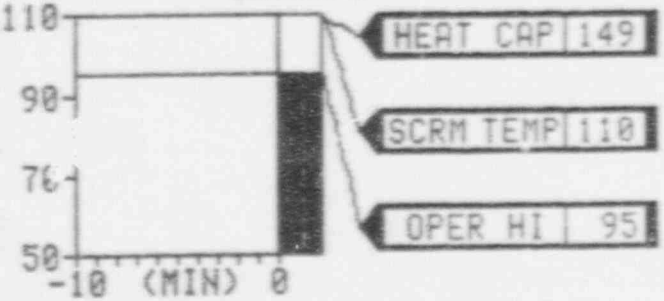
CNTMT TEMP 85 °F



DW TEMP 119 °F



POOL TEMP 90 °F



RIVER BEND 26-FEB-1992 0900

1992 EVALUATED EXERCISE

Message Number: 6

Clock Time = 0900

Scenario Time = 01/15

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	0.8	R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	0.2	mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	3.0	R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	0.2	mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	9.0	mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	0.5	mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	0.2	mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	0.4	mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	0.2	mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	0.2	mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	0.3	mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	1.5	mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	5.0	mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	0.1	mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4	mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	0.1	mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0	mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	0.2	mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2	mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	0.1	mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3	mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	0.09	mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28	mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	2.0	mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	100	mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	2.0	mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	10	mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	1.0	mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	OSH	mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	0.3	mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	5.0	mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	0.7	mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	0.5	mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	0.3	mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	0.5	mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	0.5	mR/hr

- Indicates Alarming

OSH - Indicates Offscale High

All other ARMs are "as read"

Revision 1
12/20/91

1992 EVALUATED EXERCISE

Message Number: 6

Clock Time = 0900

Scenario Time = 01/15

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	9.8E-07	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	5.0E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	6.6E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	3.3E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	7.4E-07	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	1.2E-04	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	4.3E-02	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	4.0E+01	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	3.0E-11	µCi/cc	Off Gas Pre-treatment Monitor		50	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	1.0E-10	µCi/cc	Off Gas Post-treatment Monitor		0	cpm
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc	Main Steam Line Radiation Monitor		500	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc	Main Steam Line Radiation Monitor		500	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	5.6E-11	µCi/cc	Main Steam Line Radiation Monitor		500	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	8.9E-07	µCi/cc	Main Steam Line Radiation Monitor		500	mR/hr

[redacted] - Indicates Alarming

OSH - Indicates Offscale High

All other Process Monitors are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number = 7

Clock Time = 0915

Scenario Time = 01/30

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Annunciators in Control Room include:

Div I RCIC Isol Mn Stm Sply Line Diff Press High - P601-21A/C01
Div II RCIC Isol Mn Stm Sply Line Diff Press High - P601-21A/D01
RCIC Isolation Ms Tnl Hi Amb or Vent Diff Temp - P601-21A/A06
RCIC Isol From Stm Tnl Hi Amb or Diff Temp Imminent - P601-21A/C06

Indications in Control Room include:

E51*MOVFO63 Indicates No Lights Lit
E51*MOVFO64 Indicates Red Light Lit
E51*MOVFO13, E51*MOVFO19, E51*MOVFO31, and E51*MOVFO76 Indicate Green Lights Lit
E51*MOVC002 Indicates Green Lights Lit

1992 EVALUATED EXERCISE

Message Number = 7

Clock Time = 0915

Scenario Time = 01/30

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:

A break has occurred in the RCIC turbine steam supply line down stream of the outboard isolation valve E51*MOVFO64. A RCIC turbine trip and isolation has occurred, however, the inboard isolation valve E51*MOVFO63 is still open because it does not have electrical power to close it and the outboard isolation valve failed to close due to shorts caused by the high temperature/moisture environment in the steam tunnel.

Conditions have been meet to declare a Site Area Emergency, EAL 3, Initiating Conditions 3, "RCIC High Steam Line Flow and High Main Steam Line Flow and High Main Steam Line Tunnel Ambient temperature" or EAL 6, Initiating Condition 2, "Main Condenser not available as heat sink and RHR Divisions A & B are inoperable and RCIC is inoperable".

Control Room should begin lowering reactor pressure by cooling down at a rate of 100°F per hour until the LPCS injection permissive pressure is reached.

Expected Actions:

Declare a Site Area Emergency and direct the implementation of the following procedures:

EIP-2-004, "Site Area Emergency"
EIP-2-006, "Notifications"
EIP-2-020, "Emergency Operations Facility Activation"
EIP-2-021, "Emergency Operations Facility Support Functions"
EIP-2-026, "Evacuation"
EIP-2-027, "Personnel Accountability"

Begin lowering reactor pressure by cooling down at 100°F per hour.

1992 EVALUATED EXERCISE
Message Number - 7

Rev. 1 - 12/20/91

Clock Time - 0915
Scenario Time - 01/30

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

PANEL 601/877

	Status	Press	Flow
RHR A	OOS		0
RHR B	OOS		0
RHR C	OOS		0
LPCS	OP		0
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	1000	-60	WR

DIV I	DIESEL	OP
DIV II	DIESEL	OOS
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC.MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL -60

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1B	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 808

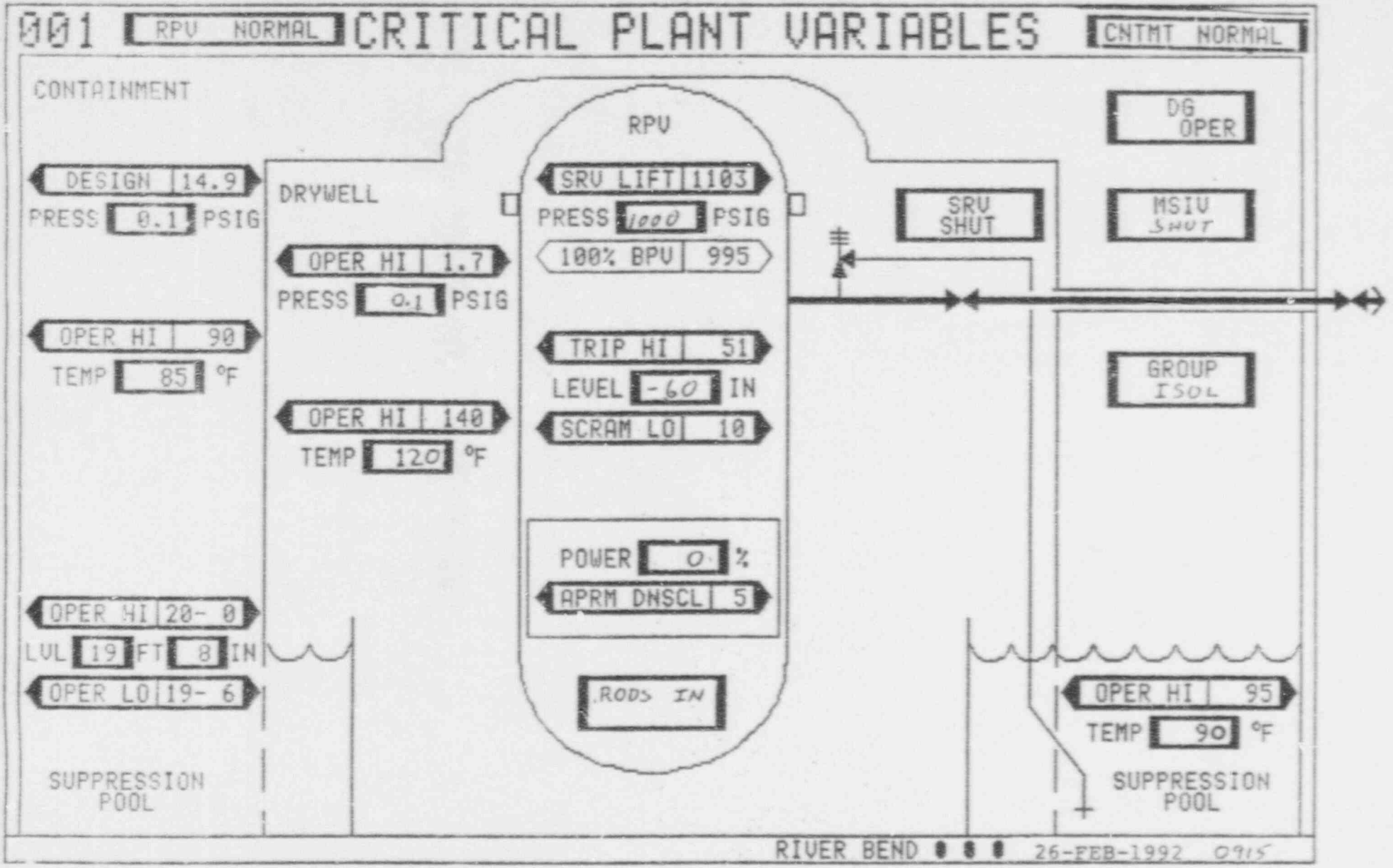
	Press	Temp	Level
DRYWELL	0.1	120°	
CTMT	0.1	85°	
SPR PL		90°	19'8"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OOS	SSW P2D	OOS

PANEL 863

SGTS A	OP	SGTS B	OOS
D/W COOLERS OPERATING			SS
CTMT COOLERS OPERATING			A


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
RPV
DG OPER
DESIGN 14.9
PRESS 0.1 PSIG
DRYWELL
SRV LIFT 1103
PRESS 1000 PSIG
100% BPV 995
SRV SHUT
MSIV SHUT
OPER HI 1.7
PRESS 0.1 PSIG
OPER HI 90
TEMP 85 °F
TRIP HI 51
LEVEL -60 IN
GROUP ISOL
OPER HI 140
TEMP 120 °F
SCRAM LO 10
POWER 0 %
APRM DNSCL 5
OPER HI 20- 0
LVL 19 FT 8 IN
OPER LO 19- 6
RODS IN
OPER HI 95
TEMP 90 °F
SUPPRESSION POOL
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 0915

021

RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP RUN
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG OPER

SRV SHUT

MSIV SHUT

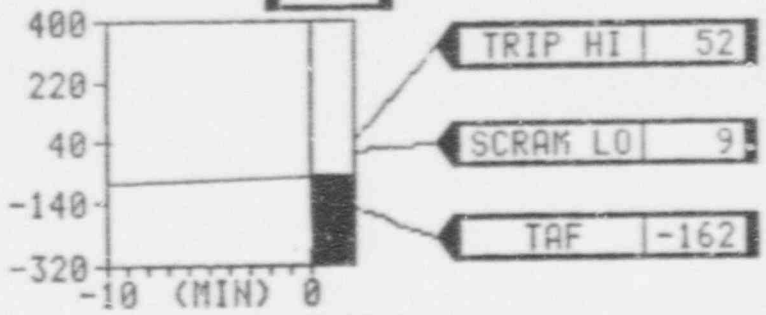
GROUP ISOL

RODS IN

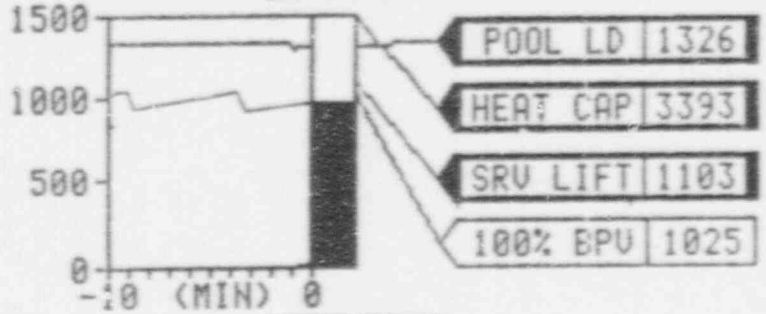
CNTMT NORMAL

RPV LEVEL 103 IN >TAF

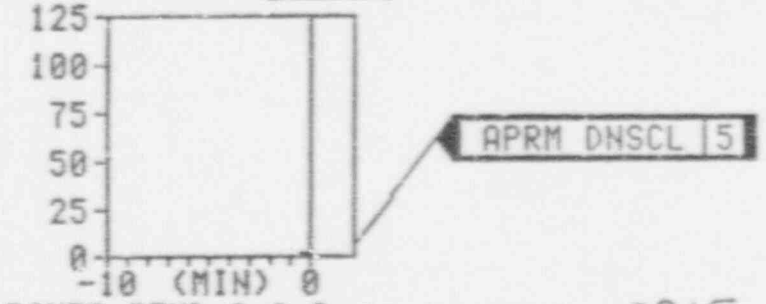
-60 IN



RPV PRESS 1000 PSIG

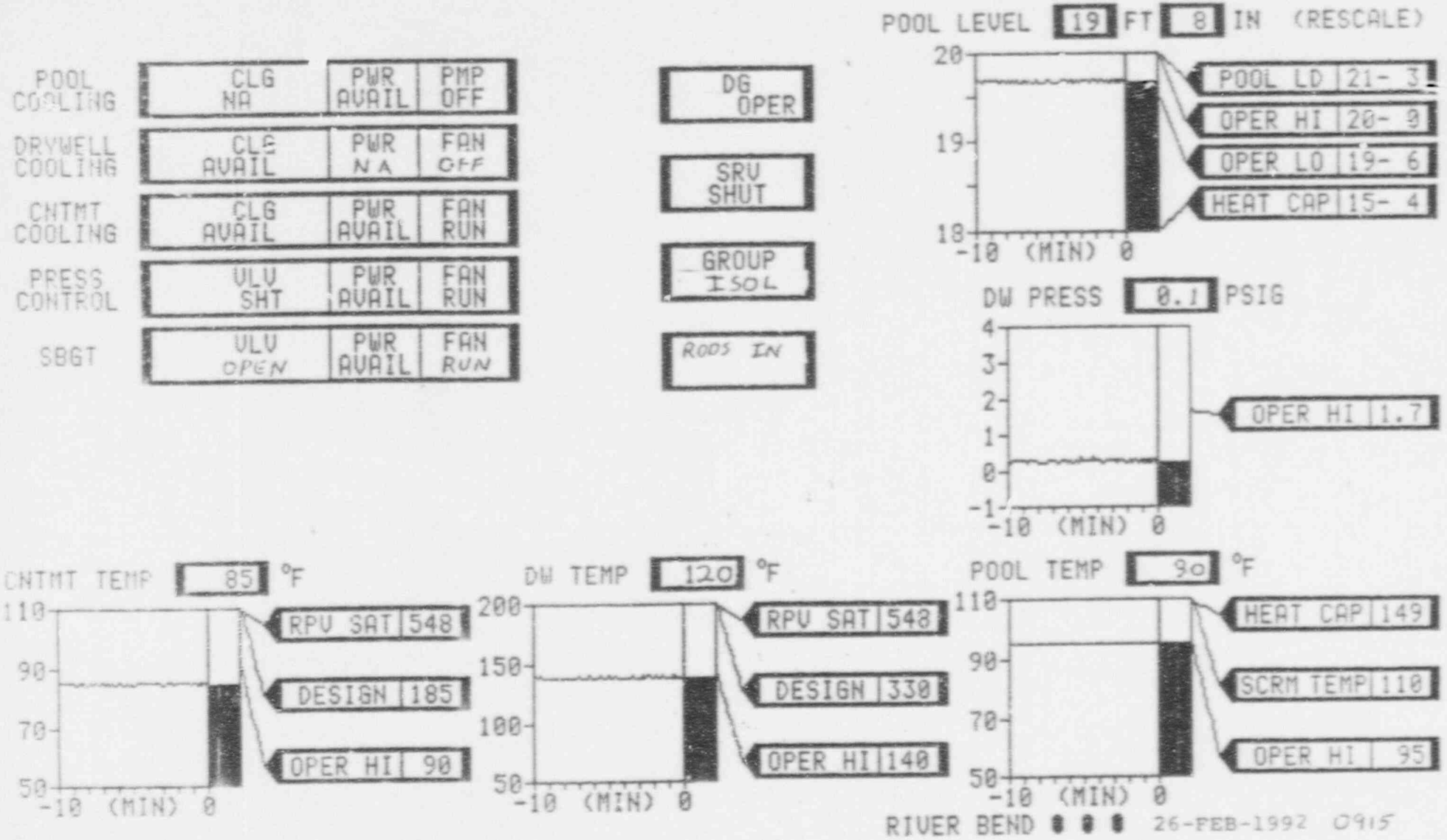


RX POWER 0 %



RIVER BEND 26-FEB-1992 0915

030 RPV NORMAL CONTAINMENT CONTROL--NR



1992 EVALUATED EXERCISE

Message Number: 7

Clock Time = 0915

Scenario Time = 01/30

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	0.8	R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	0.2	mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	3.0	R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	0.2	mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	9.0	mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	0.5	mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	0.2	mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	0.4	mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	0.2	mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	0.2	mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	0.3	mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	1.5	mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	5.0	mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	0.1	mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4	mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	0.1	mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0	mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	0.2	mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2	mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	0.1	mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3	mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	0.09	mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28	mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	2.0	mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	100	mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	2.0	mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	10	mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	1.0	mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	OSH	mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	0.3	mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	5.0	mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	0.7	mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	0.5	mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	0.3	mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	0.5	mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	0.5	mR/hr

[redacted] - Indicates Alarming

OSH - Indicates Offscale High

All other ARMs are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number: 7

Clock Time = 0915

Scenario Time = 01/30

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	9.8E-07	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	5.0E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	6.6E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	3.3E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	7.4E-07	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	1.2E-04	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	4.3E-02	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	4.0E+01	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	3.0E-11	µCi/cc		Off Gas Pre-treatment Monitor	50	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	1.0E-10	µCi/cc		Off Gas Post-treatment Monitor	0	cpm
RE-124P	C.D./C.G. Bldg. Vent (PART)	2.0E-09	µCi/cc		Main Steam Line Radiation Monitor	500	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc		Main Steam Line Radiation Monitor	500	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	5.6E-11	µCi/cc		Main Steam Line Radiation Monitor	500	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	8.9E-07	µCi/cc		Main Steam Line Radiation Monitor	500	mR/hr

- Indicates Alarming

OSH - Indicates Offscale High

All other Process Monitors are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number = 8

Clock Time = 0930

Scenario Time = 01/45

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

***** THIS IS A DRILL *****

Message To: Control Room

Plant Status Update

1992 EVALUATED EXERCISE

Message Number = 8

Clock Time = 0930

Scenario Time = 01/45

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
Data reflects operators reducing Rx pressure at rate that results in a cooldown rate of 100°F/hr until 487 psig (LPCS injection permissive pressure). No make-up water is available until then, therefore RPV level is decreasing as steam is bleed off.	Continue reducing RPV pressure. Continue investigation of failure of HPCS, RCIC, and "A" RHR. Attempt to restore electrical power.

1992 EVALUATED EXERCISE
Message Number - 8

Rev. 1 - 12/20/91

Clock Time - 0930
Scenario Time - 01/45

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

PANEL 601/877

	Status	Press	Flow
RHR A	OOS		0
RHR B	OOS		0
RHR C	OOS		0
LPCS	OP		0
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	812	-85	WR

DIV I	DIESEL	OP
DIV II	DIESEL	OOS
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC,MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	ON	OFF	ON
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL -85

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1B	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 808

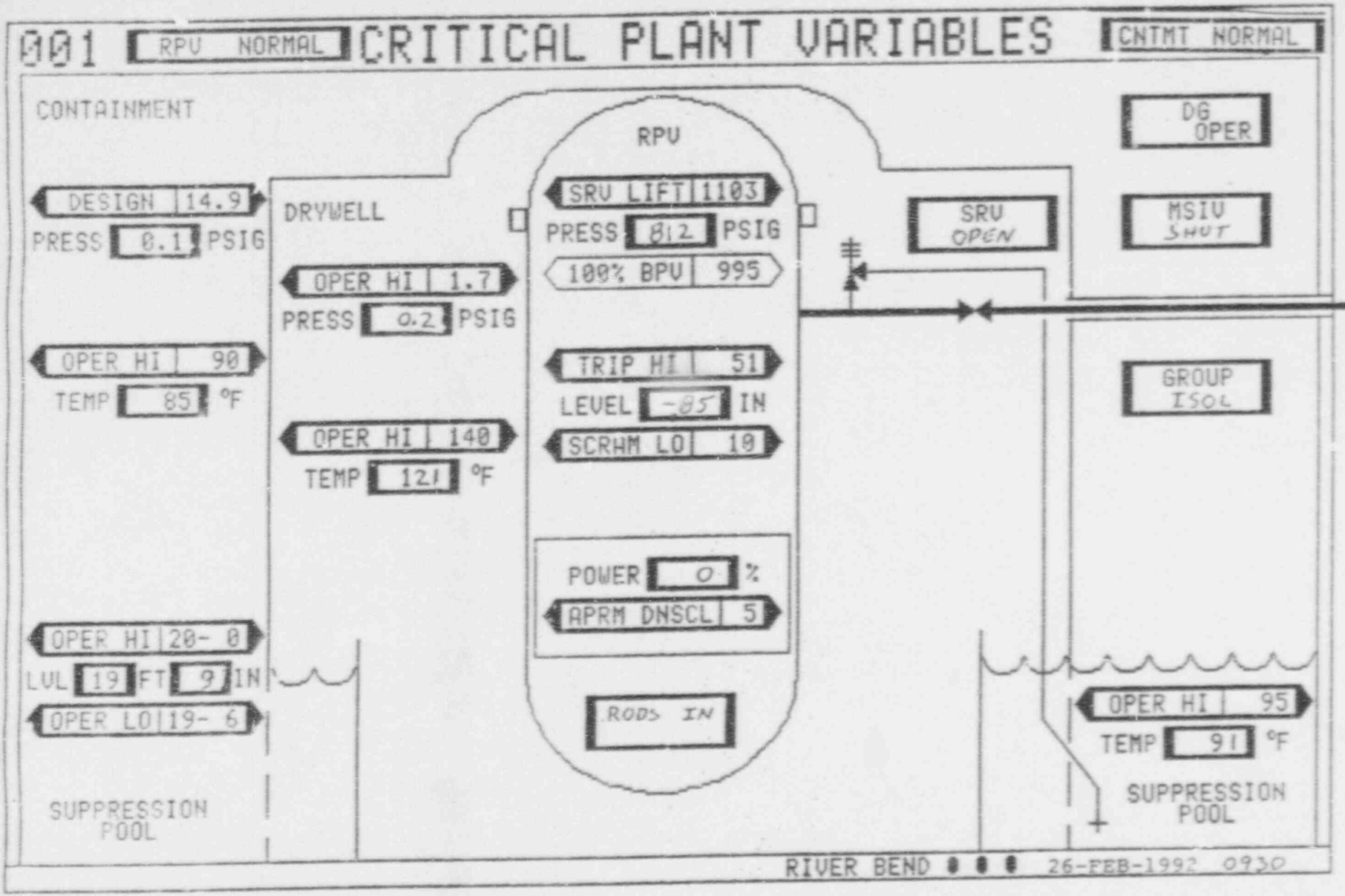
	Press	Temp	Level
DRYWELL	0.2	121°	
CTMT	0.1	85°	
SPR PL		91°	19'9"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OOS	SSW P2D	OOS

PANEL 863

SGTS A	OP	SGTS B	OOS
D/W COOLERS OPERATING			SS
CTMT COOLERS OPERATING			A


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
RPV
DG OPER
DESIGN 14.9
PRESS 0.1 PSIG
DRYWELL
SRV LIFT 1103
PRESS 812 PSIG
100% BPV 995
SRV OPEN
MSIV SHUT
OPER HI 1.7
PRESS 0.2 PSIG
OPER HI 90
TEMP 85 °F
TRIP HI 51
LEVEL -05 IN
GROUP ISOL
OPER HI 140
TEMP 121 °F
SCRHM LO 10
POWER 0 %
APRM DNSCL 5
OPER HI 20- 0
LVL 19 FT 9 IN
OPER LO 19- 6
RODS IN
OPER HI 95
TEMP 91 °F
SUPPRESSION POOL
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 0930

021

RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP RUN
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG OPER

SRU OPEN

MSIV SHUT

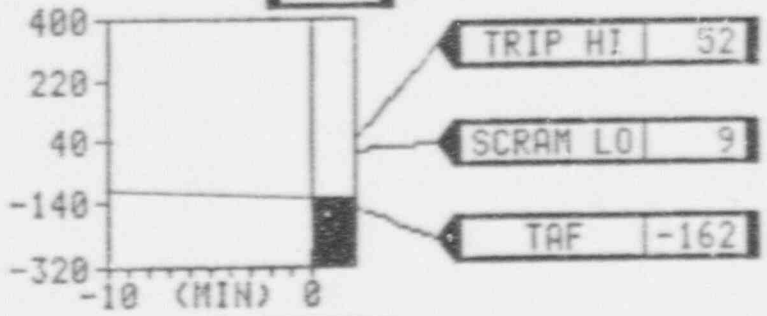
GROUP ISOL

RODS IN

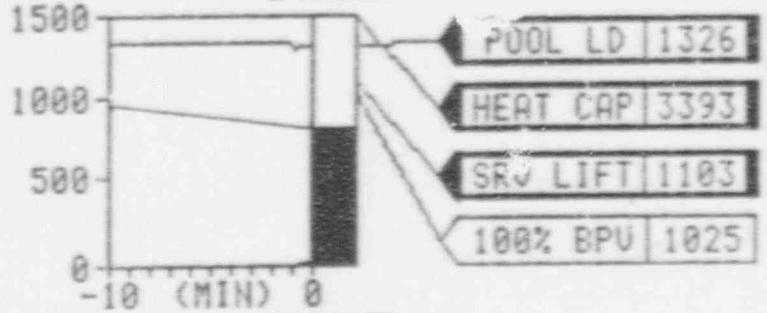
CNTMT NORMAL

RPV LEVEL 78 IN >TAF

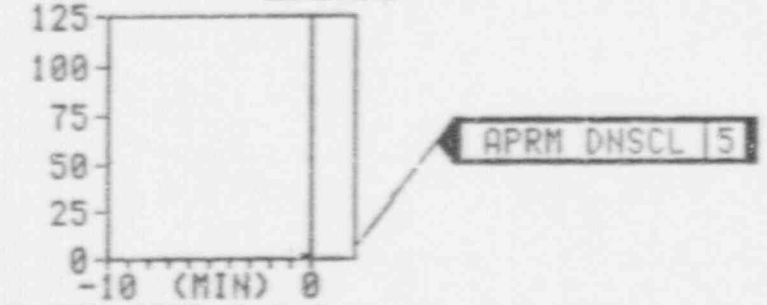
-85 IN



RPV PRESS 812 PSIG

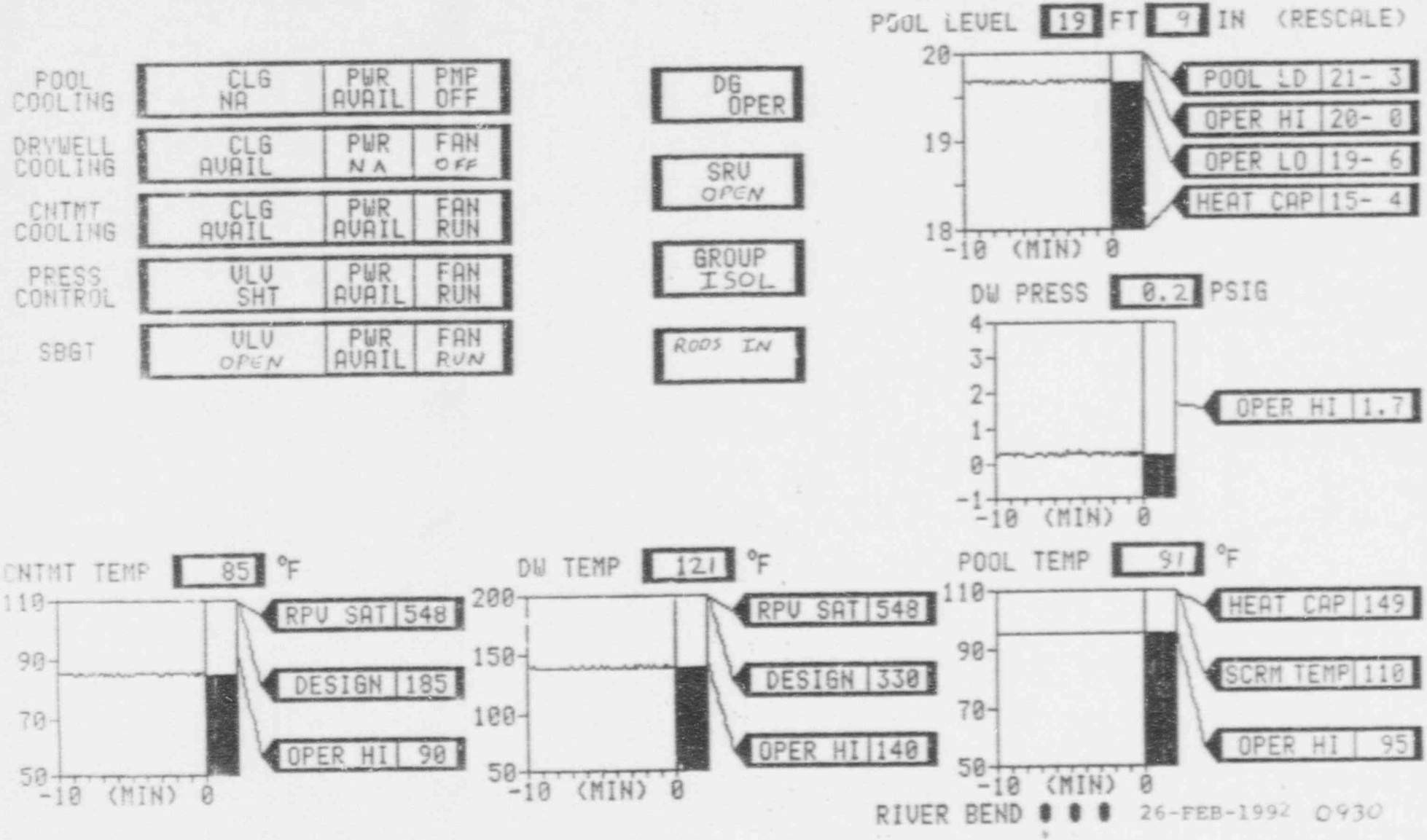


RX POWER 0 %



RIVER BEND 26-FEB-1992 0930

030 RPV NORMAL CONTAINMENT CONTROL--NR



1992 EVALUATED EXERCISE

Message Number: 8

Clock Time = 0930

Scenario Time = 01/45

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-16A,B	Ctmt. PAM R.B. 136' (DHRRM)	0.8	R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	0.2	mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	3.0	R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	0.2	mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	9.0	mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	0.5	mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	0.2	mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	0.4	mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	0.2	mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	0.2	mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	0.3	mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	1.5	mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	5.0	mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	0.1	mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4	mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	0.1	mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0	mR/hr	RE-	PASS Panel A.B. 114' (ARM)	0.2	mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2	mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	0.1	mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3	mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	0.09	mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28	mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	2.0	mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	100	mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	2.0	mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	10	mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	1.0	mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	OSH	mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	0.3	mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	5.0	mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	0.7	mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	0.5	mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	0.3	mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	0.5	mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	0.5	mR/hr

- Indicates Alarming

OSH - Indicates Offscale High

All other ARMs are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number: 8

Clock Time = 0930

Scenario Time = 01/45

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	9.8E-07	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	5.0E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	6.6E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	3.3E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	7.4E-07	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	1.2E-04	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	4.3E-02	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	4.0E+01	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	3.0E-11	µCi/cc	Off Gas Pre-treatment Monitor		0	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	1.0E-10	µCi/cc	Off Gas Post-treatment Monitor		0	cpm
RE-124P	C.B./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc	Main Steam Line Radiation Monitor		200	mR/hr
RE-124G	C.B./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc	Main Steam Line Radiation Monitor		200	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	5.6E-11	µCi/cc	Main Steam Line Radiation Monitor		200	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	8.9E-07	µCi/cc	Main Steam Line Radiation Monitor		200	mR/hr

[redacted] - Indicates Alarming

OSH - Indicates Offscale High

All other Process Monitors are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number = 8.1x

Clock Time = 0935

Scenario Time = 01/50

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Emergency Director

A Site Area Emergency should be declared in accordance with EIP-2-001, "Classification of Emergencies", SAE EAL 3, Initiating Condition 3, "RCIC High Steam Line Flow and High Main Steam Line Tunnel Ambient temperature" or SAE EAL 6, Initiating Condition 2, "Main condenser not available as heat sink and RHR Divisions A & B are Inoperable and RCIC is inoperable".

1992 EVALUATED EXERCISE

Message Number = 8.1x

Clock Time = 0935

Scenario Time = 01/50

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
Deliver this message only if a Site Area Emergency has not been declared and the Emergency Director has not recognized that events have occurred which require the declaration of a Site Area Emergency and no actions are being taken which would result in the declaration of a Site Area Emergency.	Declare a Site Area Emergency.

1992 EVALUATED EXERCISE

Message Number = 9

Clock Time = 0945

Scenario Time = 02/00

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Plant Status Update

1992 EVALUATED EXERCISE

Message Number = 9

Clock Time = 0945

Scenario Time = 02/00

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
Data reflects operators reducing Rx pressure at rate that results in a cooldown rate of 100°F/hr until 487 psig (LPCS injection permissive pressure). No make-up water is available until then, therefore RPV level is decreasing as steam is bleed off.	Continue reducing RPV pressure. Continue investigation of failure of HPCS, RCIC, and "A" RHR. Attempt to restore electrical power.

1992 EVALUATED EXERCISE
Message Number - 9

Rev. 1 - 12/20/91

Clock Time - 0945
Scenario Time - 02/0

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

PANEL 601/8/7

	Status	Press	Flow
RHR A	OOS		0
RHR B	OOS		0
RHR C	OOS		0
LPCS	OP		0
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	588	-108	WR

DIV I	DIESEL	OP
DIV II	DIESEL	OOS
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC.EM
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	ON	OFF	ON
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL -108

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1B	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 808

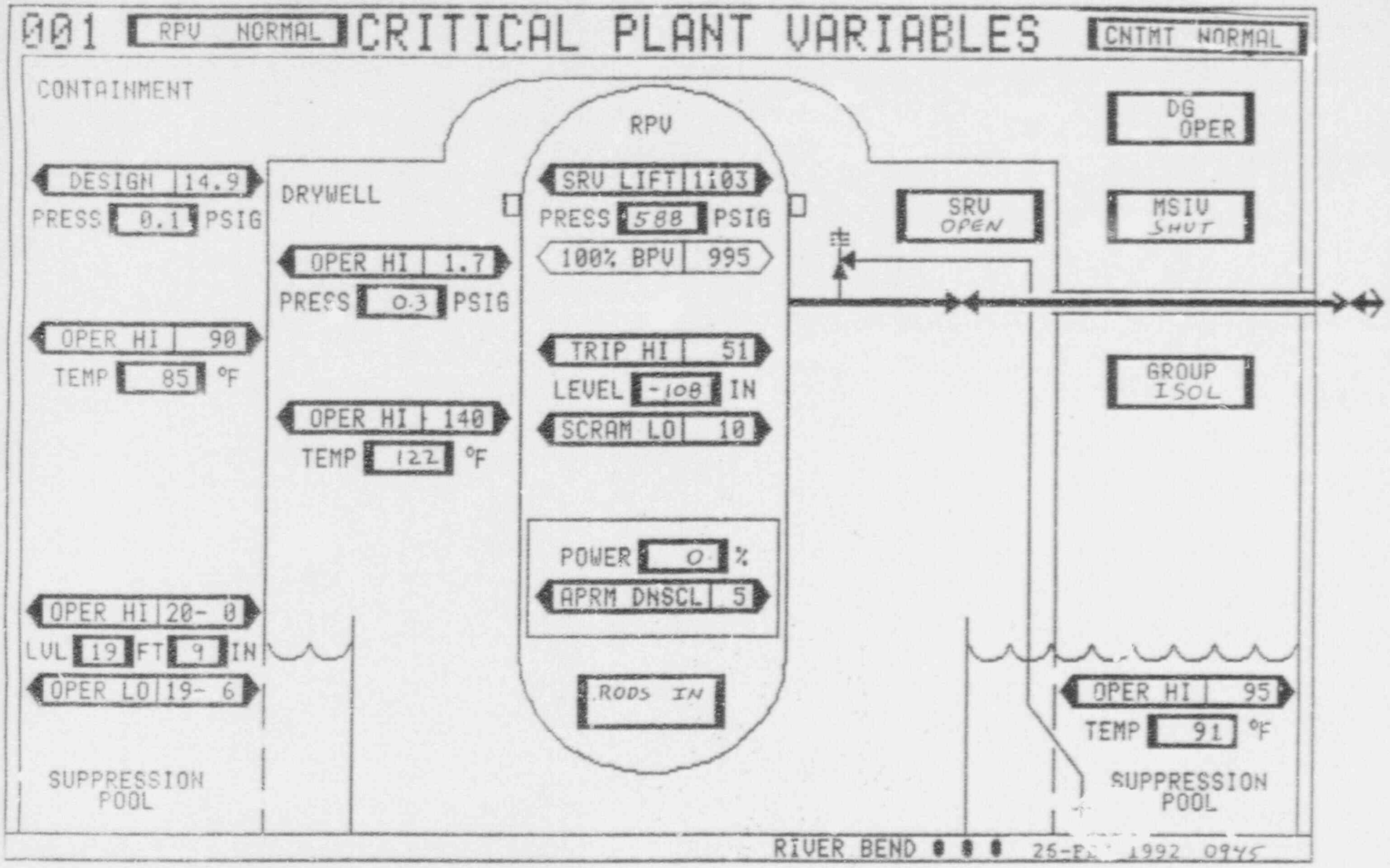
	Press	Temp	Level
DRYWELL	0.3	122°	
CTMT	0.1	85°	
SPR PL		91°	19'9"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OOS	SSW P2D	OOS

PANEL 863

SGTS A	OP	SGTS B	OOS
D/W COOLERS OPERATING			SS
CTMT COOLERS OPERATING			A


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
RPV
DG OPER
DESIGN 14.9
PRESS 0.1 PSIG
DRYWELL
SRV LIFT 1103
PRESS 588 PSIG
100% BPV 995
SRV OPEN
MSIV SHUT
OPER HI 1.7
PRESS 0.3 PSIG
OPER HI 90
TEMP 85 °F
TRIP HI 51
LEVEL -108 IN
SCRAM LO 10
GROUP ISOL
OPER HI 140
TEMP 122 °F
POWER 0 %
APRM DNSCL 5
OPER HI 20- 0
LVL 19 FT 9 IN
OPER LO 19- 6
RODS IN
OPER HI 95
TEMP 91 °F
SUPPRESSION POOL
SUPPRESSION POOL
RIVER BEND
1992 0945

021

RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP RUN
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG OPER

SRV OPEN

MSIV SHUT

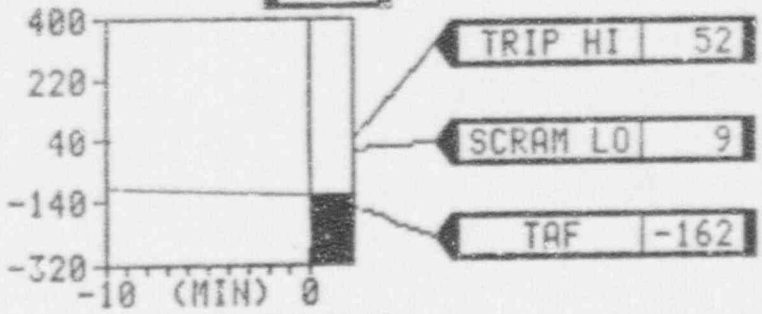
GROUP ISOL

RODS IN

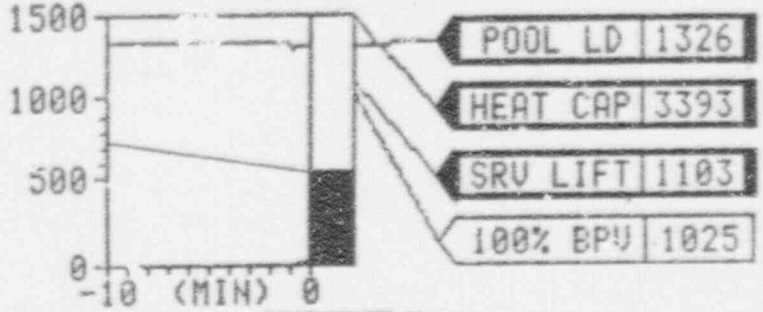
CNTMT NORMAL

RPV LEVEL 55 IN >TAF

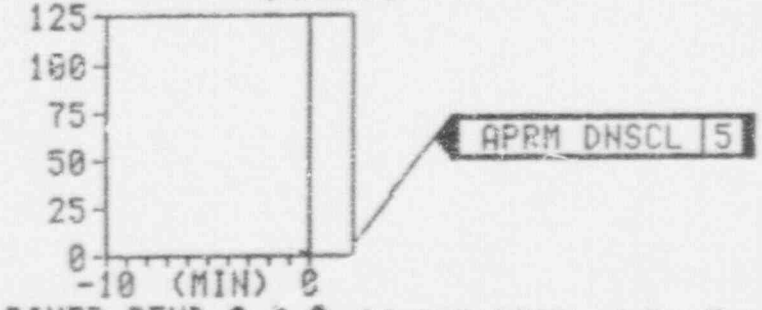
-108 IN



RPV PRESS 588 PSIG



RX POWER 0 %



RIVER BEND 26-FEB-1992 0945

030 RPV NORMAL CONTAINMENT CONTROL--NR

POOL COOLING	CLG NA	PWR AVAIL	PMP OFF
DRYWELL COOLING	CLG AVAIL	PWR NA	FAN OFF
CNTMT COOLING	CLG AVAIL	PWR AVAIL	FAN RUN
PRESS CONTROL	VLV SHT	PWR AVAIL	FAN RUN
SBGT	VLV OPEN	PWR AVAIL	FAN RUN

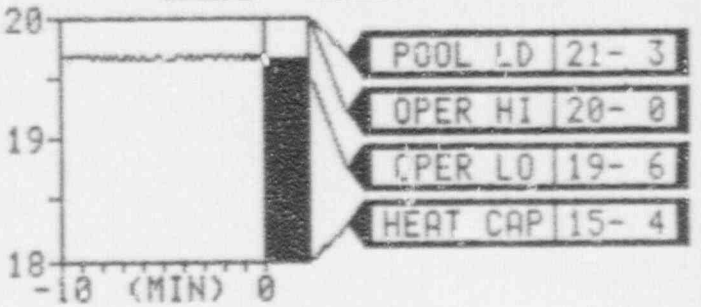
DG OPER

SRV OPEN

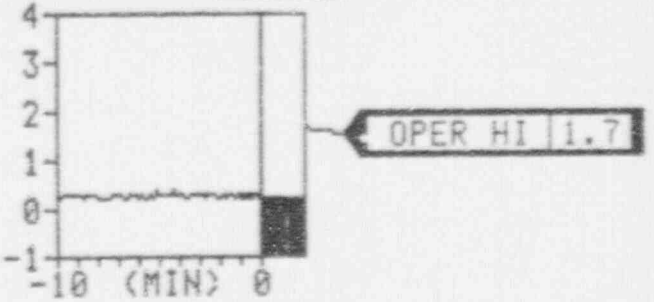
GROUP ISOL

RODS IN

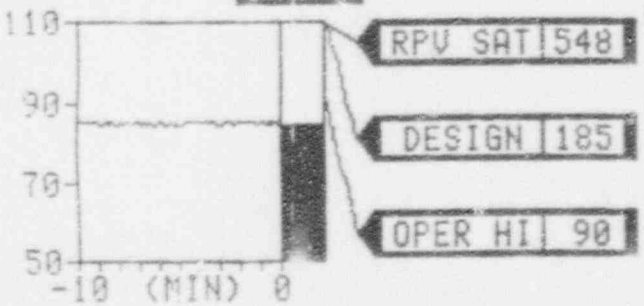
POOL LEVEL 19 FT 9 IN (RESCALE)



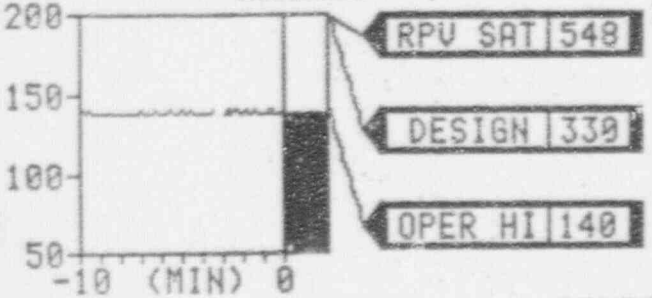
DW PRESS 0.3 PSIG



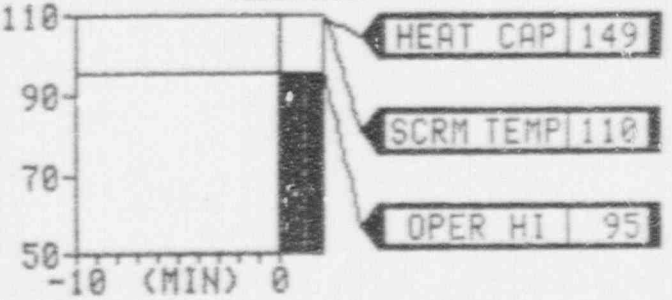
CNTMT TEMP 85 °F



DW TEMP 122 °F



POOL TEMP 91 °F



RIVER BEND 26-FEB-1992 0945

1992 EVALUATED EXERCISE

Message Number: 9

Clock Time = 0945

Scenario Time = 02/00

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING	ID NUMBER	LOCATION (TYPE)	READING
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	0.8 R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	0.2 mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	3.0 R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	0.2 mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	9.0 mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	0.5 mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	0.2 mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	0.4 mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	0.2 mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	0.2 mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	0.3 mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	1.5 mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	5.0 mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	0.1 mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4 mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	0.1 mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0 mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	0.2 mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2 mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	0.1 mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3 mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	0.09 mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28 mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	2.0 mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	100 mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	2.0 mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	10 mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	1.0 mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	OSH mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	0.3 mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	5.0 mR/hr	RE-217	LPCS Penetration Area East A.B. 70' (ARM)	0.7 mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	0.5 mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	0.3 mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	0.5 mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	0.5 mR/hr

- Indicates Alarming

OSH - Indicates Offscale High

All other ARMs are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number: 9

Clock Time = 0945

Scenario Time = 02/00

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	9.8E-07	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	5.0E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	6.6E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	3.3E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	7.4E-07	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	1.2E-04	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	4.3E-02	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	4.0E+01	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	3.0E-11	µCi/cc	Off Gas Pre-treatment Monitor		0	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	1.0E-10	µCi/cc	Off Gas Post-treatment Monitor		0	cpm
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc	Main Steam Line Radiation Monitor		200	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc	Main Steam Line Radiation Monitor		200	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	5.6E-11	µCi/cc	Main Steam Line Radiation Monitor		200	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	8.9E-07	µCi/cc	Main Steam Line Radiation Monitor		200	mR/hr

[redacted] - Indicates Alarming

OSH - Indicates Offscale High

All other Process Monitors are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number = 10

Clock Time = 1000

Scenario Time = 02/15

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Annunciators in Control Room include:

Indications in Control Room include:

AOV-32A, Feedwater Testable Check Valve indicates both red and green lights lit

1992 EVALUATED EXERCISE

Message Number = 10

Clock Time = 1000

Scenario Time = 02/15

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
Data reflects operators reducing Rx pressure at rate that results in a cooldown rate of 100°F/hr until 487 psig (LPCS injection permissive pressure). No make-up water is available until then, therefore RPV level is decreasing as steam is bleed off.	Continue reducing RPV pressure.
	Continue investigation of failure of HPCS, RCIC, and "A" RHR.
B21*AOV32A, feedwater loop A testable check has just failed allowing reactor coolant to backflow out of the feedwater line break into the Auxiliary Building Steam Tunnel and, from there, into the Turbine Building. Core damage has not yet occurred, however, activity levels in the Turbine Building ventilation line are beginning to increase.	Attempt to restore electrical power.

1992 EVALUATED EXERCISE
Message Number - 10

Rev. 1 - 12/20/91

Clock Time - 1000
Scenario Time - 02/15

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

PANEL 601/877

	Status	Press	Flow
RHR A	OOS		0
RHR B	OOS		0
RHR C	OOS		0
LPCS	OP		900
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	485	-127	WR

DIV I	DIESEL	OP
DIV II	DIESEL	OOS
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC.MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	ON	OFF	ON
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL -127

CNS P1A SS FWS P1A SS
CNS P1B SS FWS P1B SS
CNS P1C SS FWS P1C SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 808

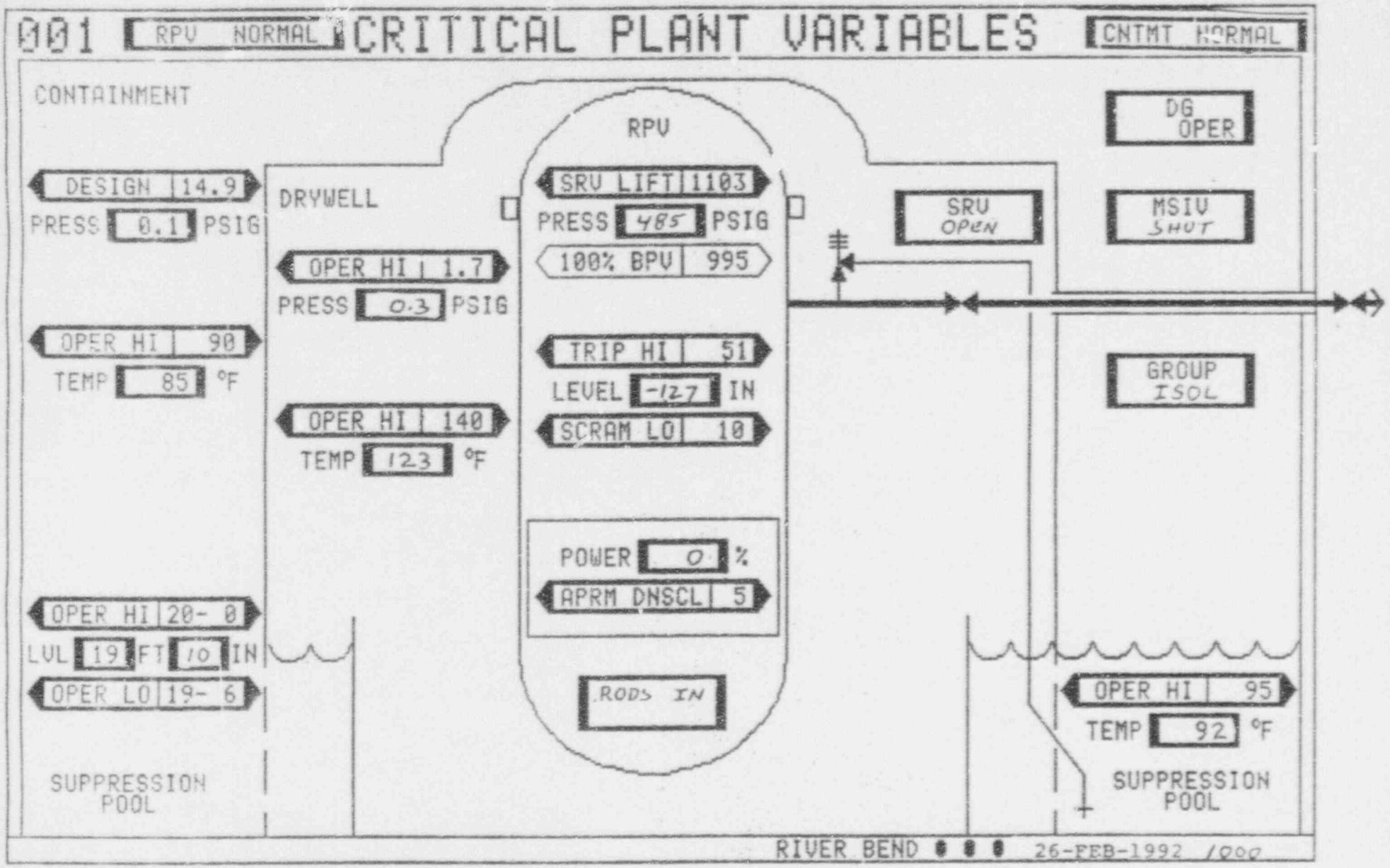
	Press	Temp	Level
DRYWELL	0.3	123°	
CTMT	0.1	85°	
SPR PL		92°	19'10"

PANEL 870/601

SSW P2A OP SSW P2C OP
SSW P2B OOS SSW P2D OOS

PANEL 863

SGTS A OP SGTS B OOS
D/W COOLERS OPERATING SS
CTMT COOLERS OPERATING A


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
RPV
DG OPER
DESIGN 14.9
PRESS 0.1 PSIG
DRYWELL
SRV LIFT 1103
PRESS 485 PSIG
100% BPV 995
SRV OPEN
MSIV SHUT
OPER HI 1.7
PRESS 0.3 PSIG
OPER HI 90
TEMP 85 °F
TRIP HI 51
LEVEL -127 IN
GROUP ISOL
OPER HI 140
TEMP 123 °F
SCRAM LO 10
POWER 0 %
APRM DNSCL 5
OPER HI 20- 0
LVL 19 FT 10 IN
OPER LO 19- 6
RODS IN
OPER HI 95
TEMP 92 °F
SUPPRESSION POOL
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 1000

021

RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP RUN
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG OPER

SRV OPEN

MSIV SHUT

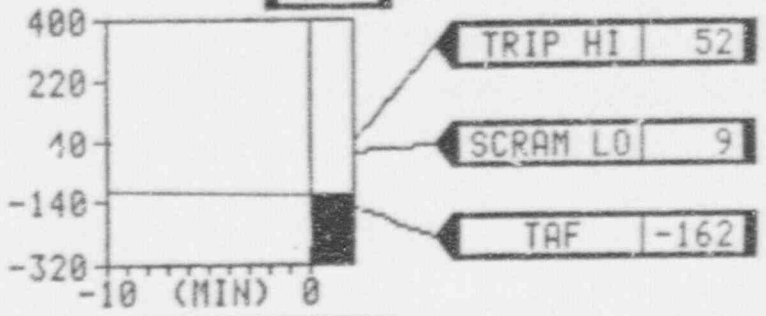
GROUP ISOL

RODS IN

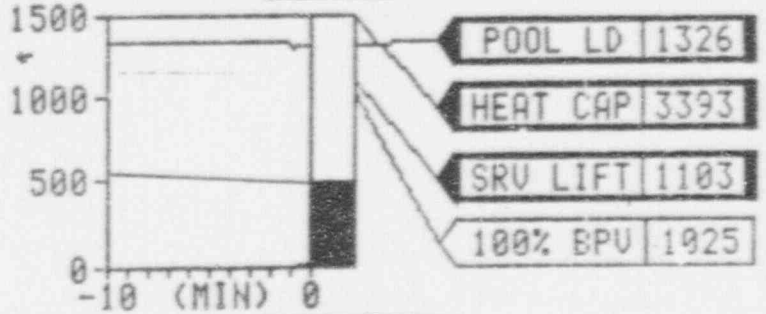
CNTMT NORMAL

RPV LEVEL 36 IN >TAF

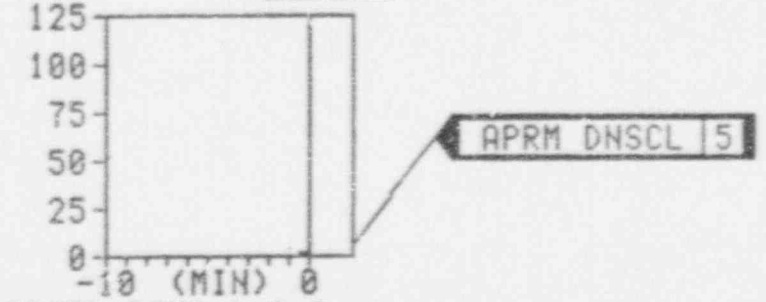
-127 IN



RPV PRESS 485 PSIG



RX POWER 0 %



RIVER BEND 26-FEB-1992 1000

030 RPV NORMAL CONTAINMENT CONTROL--NR

POOL COOLING	CLG NA	PWR AVAIL	PMP OFF
DRYWELL COOLING	CLG AVAIL	PWR NA	FAN OFF
CNTMT COOLING	CLG AVAIL	PWR AVAIL	FAN RUN
PRESS CONTROL	VLV SHT	PWR AVAIL	FAN RUN
SBGT	VLV OPEN	PWR AVAIL	FAN RUN

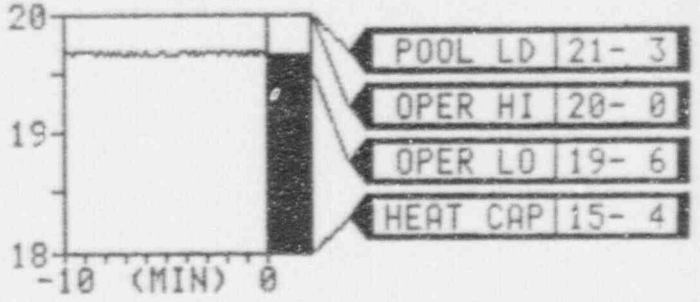
DG OPER

SRV OPEN

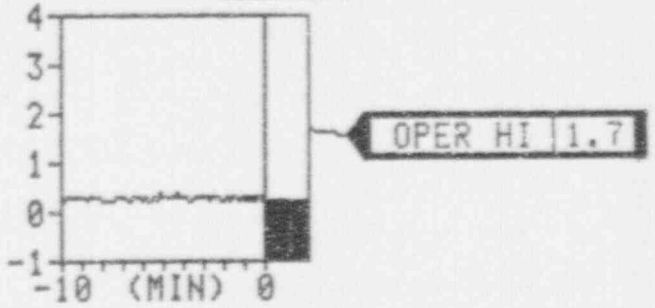
GROUP ISOL

RODS IN

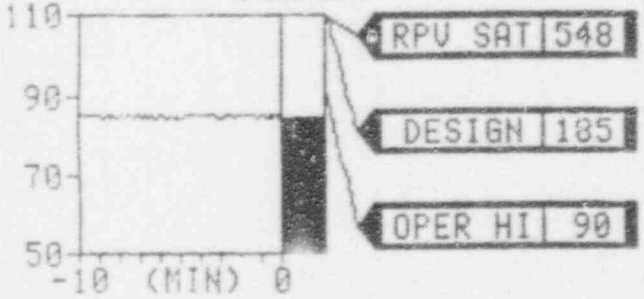
POOL LEVEL 19 FT 10 IN (RESCALE)



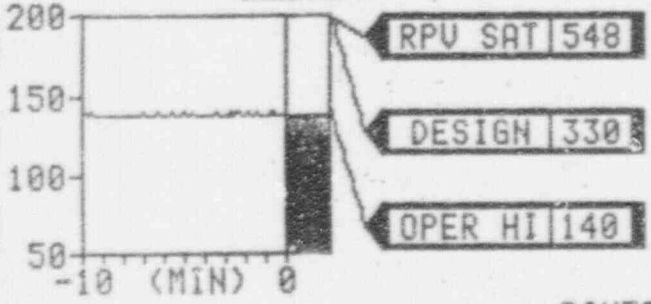
DW PRESS 0.3 PSIG



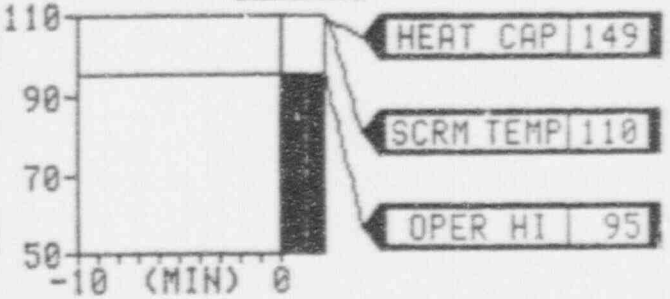
CNTMT TEMP 85 °F



DW TEMP 123 °F



POOL TEMP 92 °F



RIVER BEND 26-FEB-1992 1000

1992 RBS EVALUATED EXERCISE
Revision 1 12/20/91

1992 EVALUATED EXERCISE

Message Number: 10

Clock Time = 1000

Scenario Time = 02/15

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	0.8	R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	0.2	mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	3.0	R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	0.2	mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	9.0	mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	0.5	mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	0.2	mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	0.4	mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	0.2	mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	0.2	mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	0.3	mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	1.5	mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	5.0	mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	0.1	mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4	mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	0.1	mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0	mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	0.2	mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2	mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	0.1	mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3	mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	0.09	mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28	mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	2.0	mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	0.4*	mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	2.0	mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	0.2*	mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	1.0	mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	0.5*	mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	0.3	mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	0.3*	mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	0.7	mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	0.5	mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	0.3	mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	0.5	mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	0.5	mR/hr

[redacted] - Indicates Alarming

OSH - Indicates Offscale High

All other ARMs are "as read"

Revision 1

12/20/91

* Note: Levels drop based on sump being pumped and contamination being washed down drain.

1992 EVALUATED EXERCISE

Message Number: 10

Clock Time = 1000

Scenario Time = 02/15

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	9.1E-07	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	4.8E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	6.6E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	3.2E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	7.4E-07	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	1.2E-04	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	4.3E-02	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	4.0E+01	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	3.0E-11	µCi/cc	Off Gas Pre-treatment Monitor		0	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	1.0E-10	µCi/cc	Off Gas Post-treatment Monitor		0	cpm
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc	Main Steam Line Radiation Monitor		200	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc	Main Steam Line Radiation Monitor		200	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	5.6E-11	µCi/cc	Main Steam Line Radiation Monitor		200	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	8.9E-07	µCi/cc	Main Steam Line Radiation Monitor		200	mR/hr

- Indicates Alarming

OSH - Indicates Offscale High

All other Process Monitors are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number = 11

Clock Time = 1015

Scenario Time = 02/30

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Plant Status Update

1992 EVALUATED EXERCISE

Message Number = 11

Clock Time = 1015

Scenario Time = 02/30

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
When Rx pressure reaches 487 psig the LPCS pump begins to inject water. Rx water level increases to -112" and stops increasing due to water exiting the vessel via the feed line through the now failed open testable check valve.	Continue reducing RPV pressure. Continue investigation of failure of HPCS, RCIC, and "A" RHR. Attempt to restore electrical power. Attempt to increase Rx vessel level to normal operating band.

1992 EVALUATED EXERCISE
Message Number - 11

Rev. 1 - 12/20/91

Clock Time - 1015
Scenario Time - 02/30

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

PANEL 601/877

	Status	Press	Flow
RHR A	OOS		0
RHR B	OOS		0
RHR C	OOS		0
LPCS	OP		7000
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	381	-112	WR

DIV I	DIESEL	OP
DIV II	DIESEL	OOS
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC,MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL -112

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1B	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 808

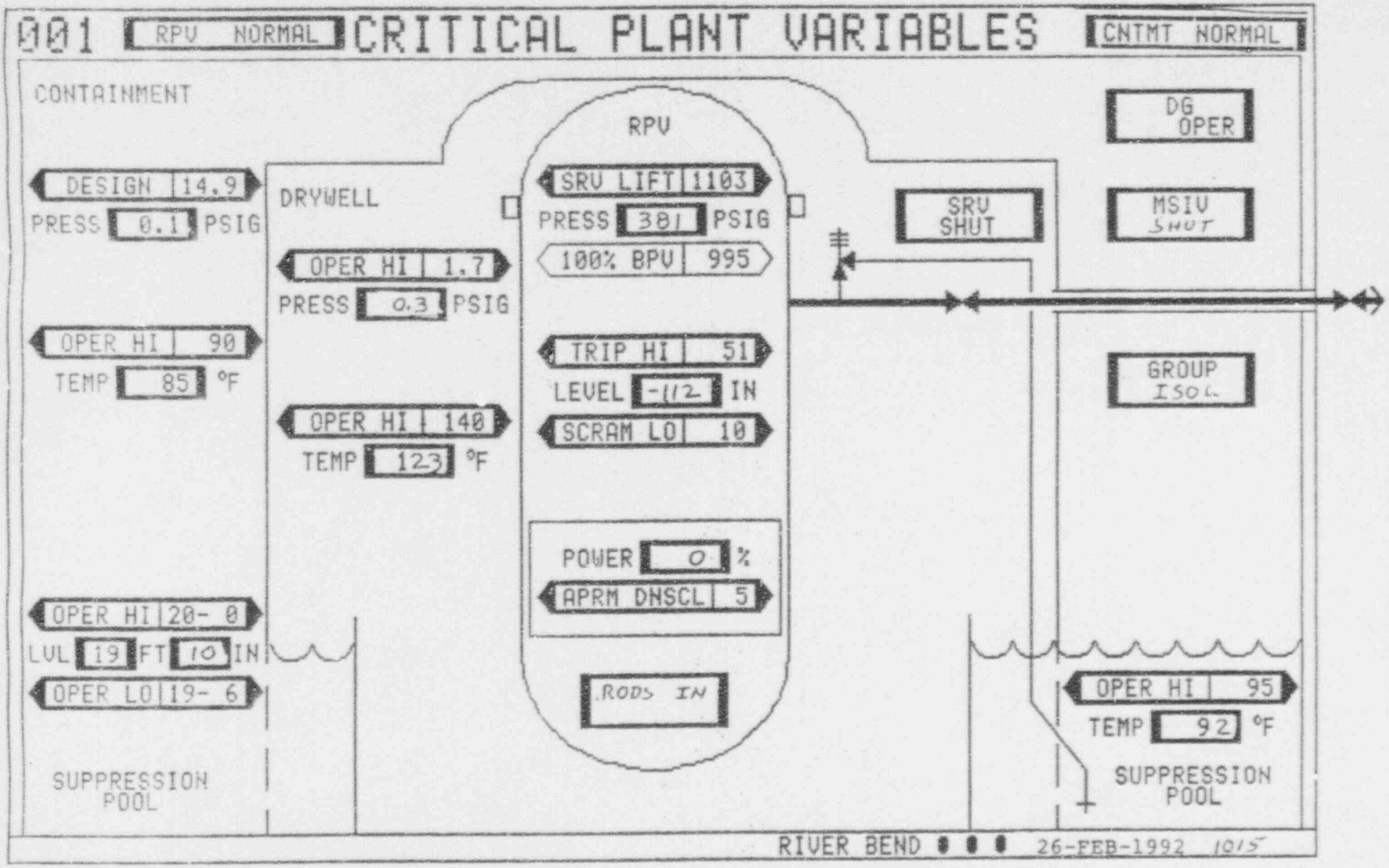
	Press	Temp	Level
DRYWELL	0.3	123°	
CTMT	0.1	85°	
SPR PL		92°	19'10"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OOS	SSW P2D	OOS

PANEL 863

SGTS A	OP	SGTS B	OOS
D/W COOLERS OPERATING			SS
CTMT COOLERS OPERATING			A


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
RPV
DG OPER
DESIGN 14.9
PRESS 0.1 PSIG
DRYWELL
SRV LIFT 1103
PRESS 381 PSIG
100% BPV 995
SRV SHUT
MSIV SHUT
OPER HI 1.7
PRESS 0.3 PSIG
OPER HI 90
TEMP 85 °F
TRIP HI 51
LEVEL -112 IN
GROUP ISOL
OPER HI 140
TEMP 123 °F
SCRAM LO 10
POWER 0 %
APRM DNSCL 5
OPER HI 20- 0
LVL 19 FT 10 IN
OPER LO 19- 6
RODS IN
OPER HI 95
TEMP 92 °F
SUPPRESSION POOL
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 1015

021

RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP RUN
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG OPER

SRV SHUT

MSIV SHUT

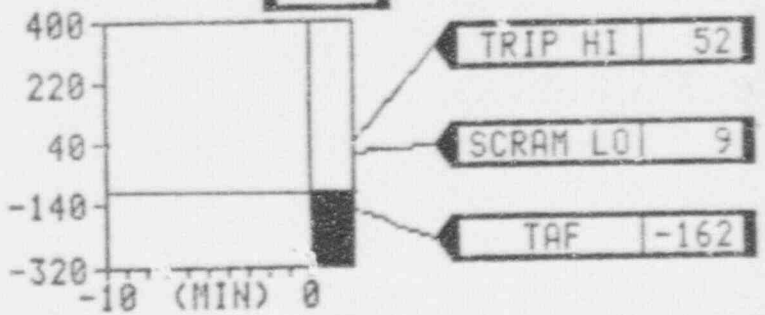
GROUP ISOL

RODS IN

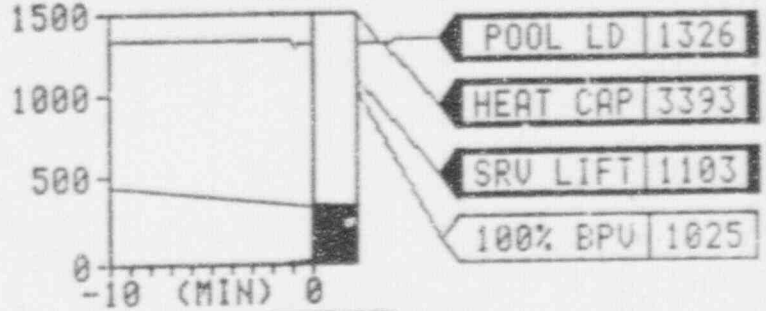
CNTMT NORMAL

RPV LEVEL 51 IN >TAF

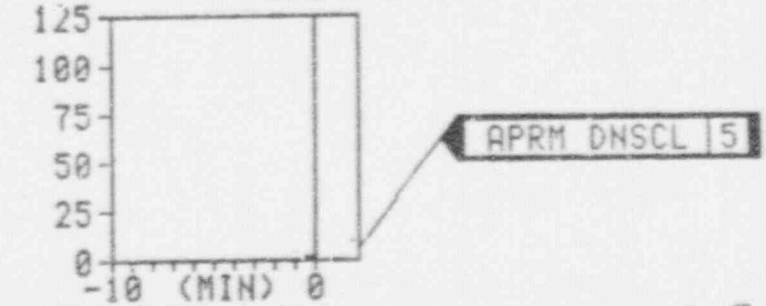
-112 IN



RPV PRESS 381 PSIG



RX POWER 0 %



RIVER BEND 26-FEB-1992 1015

030 RPV NORMAL CONTAINMENT CONTROL--NR

POOL COOLING	CLG NA	PWR AVAIL	PMP OFF
DRYWELL COOLING	CLG AVAIL	PWR NA	FAN OFF
CNTMT COOLING	CLG AVAIL	PWR AVAIL	FAN RUN
PRESS CONTROL	VLV SHT	PWR AVAIL	FAN RUN
SBGT	VLV OPEN	PWR AVAIL	FAN RUN

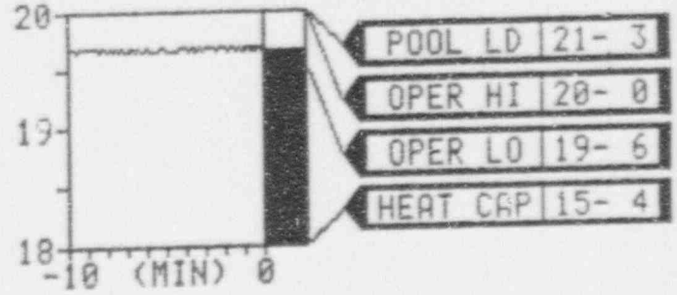
DG OPER

SRV SHUT

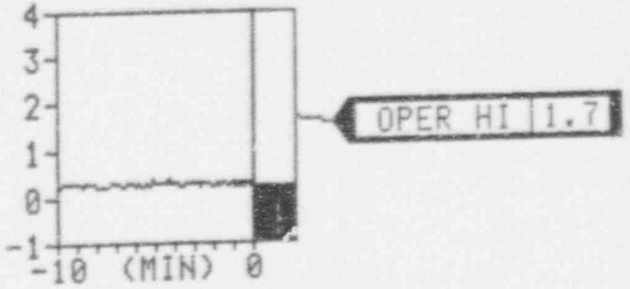
GROUP ISOL

RODS IN

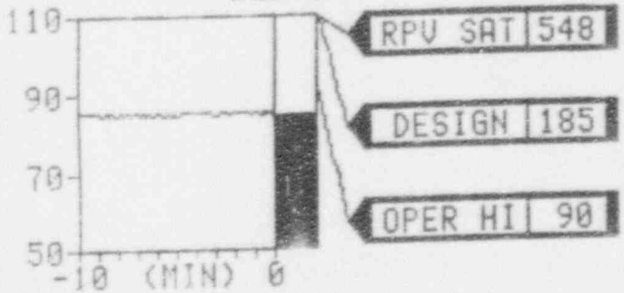
POOL LEVEL 19 FT 10 IN (RESCALE)



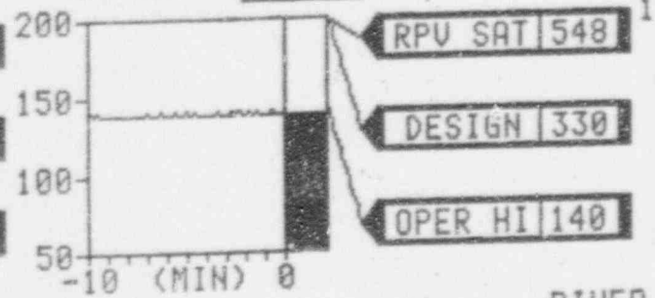
DW PRESS 0.3 PSIG



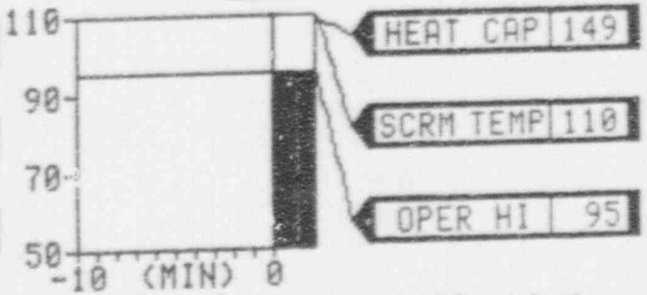
CNTMT TEMP 85 °F



DW TEMP 123 °F



POOL TEMP 92 °F



RIVER BEND 26-FEB-1992 1015

1992 EVALUATED EXERCISE
Message Number: 11

Clock Time = 1015
Scenario Time = 02/30

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	0.8	R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	0.2	mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	3.0	R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	0.2	mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	9.0	mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	0.5	mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	0.2	mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	0.4	mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	0.2	mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	0.2	mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	0.3	mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	1.5	mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	5.0	mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	0.1	mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4	mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	0.1	mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0	mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	0.2	mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2	mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	0.1	mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3	mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	0.09	mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28	mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	2.0	mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	0.4*	mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	2.0	mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	0.2*	mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	1.0	mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	0.5*	mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	0.3	mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	0.3*	mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	0.7	mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	0.5	mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	0.3	mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	0.5	mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	0.5	mR/hr

- Indicates Alarming
OSH - Indicates Offscale High
All other ARMs are "as read"

Revision 1
12/20/91

* Note: Levels drop based on sump being pumped and contamination being washed down drain.

1992 EVALUATED EXERCISE

Message Number: 11

Clock Time = 1015

Scenario Time = 02/30

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	9.1E-07	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	4.8E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	6.1E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	3.2E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	1.4E-07	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	1.2E-04	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	4.[illegible]-02	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	4.0[illegible]-01	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	[illegible]E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	3.0E-11	µCi/cc	Off Gas Pre-treatment Monitor		0	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	1.0E-10	µCi/cc	Off Gas Post-treatment Monitor		0	cpm
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc	Main Steam Line Radiation Monitor		200	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc	Main Steam Line Radiation Monitor		200	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	5.6E-11	µCi/cc	Main Steam Line Radiation Monitor		200	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	8.9E-07	µCi/cc	Main Steam Line Radiation Monitor		200	mR/hr

[illegible] - Indicates Alarming
OSH - Indicates Offscale High
All other Process Monitors are "as read"

Revision 1
12/20/91

1992 EVALUATED EXERCISE

Message Number = 12

Clock Time = 1030

Scenario Time = 02/45

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Plant Status Update

1992 EVALUATED EXERCISE

Message Number = 12

Clock Time = 1030

Scenario Time = 02/45

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
RPV water level is remaining constant at -112 inches due to leakage through the testable check valve.	Continue injecting from LPCS.
The Emergency Director may consider declaring a precautionary General Emergency due to a loss of 2 of 3 fission product barriers with potential for losing the third.	Attempt to shut B21-A0V32A. Attempt to determine why RPV level will not increase above -112 inches.

1992 EVALUATED EXERCISE
Message Number - 12

Rev. 1 - 12/20/91

Clock Time - 1030
Scenario Time - 02/45

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

PANEL 601/877

	Status	Press	Flow
RHR A	OOS		0
RHR B	OOS		0
RHR C	OOS		0
LPCS	OOS		0
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	280	-112	WR

DIV I	DIESEL	OP
DIV II	DIESEL	OOS
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC,MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL -112 WR

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1B	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 808

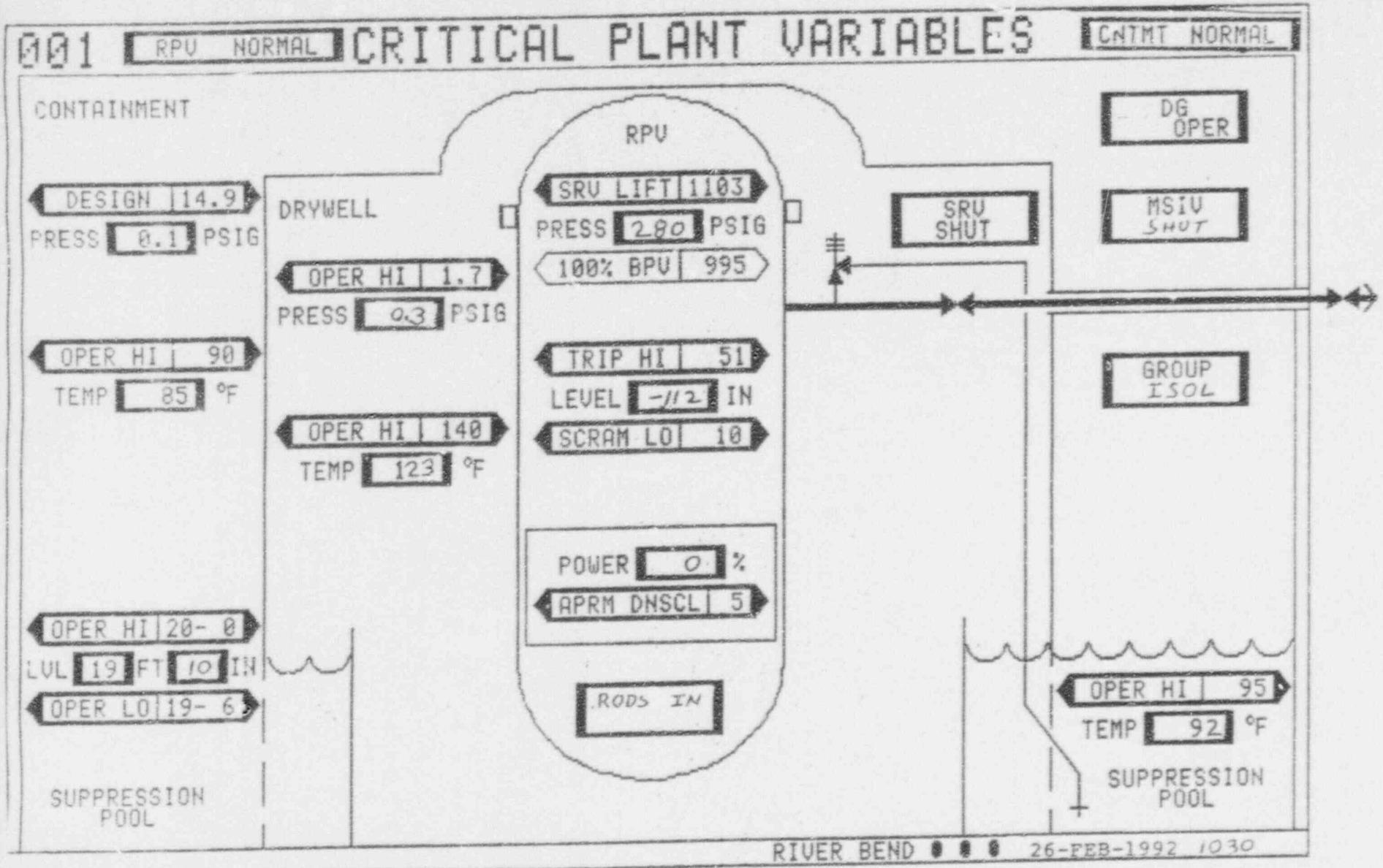
	Press	Temp	Level
DRYWELL	0.3	123°	
CTMT	0.1	85°	
SPR PL		92°	19'10"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OOS	SSW P2D	OOS

PANEL 863

SGTS A	OP	SGTS B	OOS
D/W COOLERS OPERATING			SS
CTMT COOLERS OPERATING			A


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
DRYWELL
RPV
DG OPER
SRV SHUT
MSIV SHUT
GROUP ISOL
DESIGN 14.9
PRESS 0.1 PSIG
OPER HI 1.7
PRESS 0.3 PSIG
OPER HI 90
TEMP 85 °F
OPER HI 140
TEMP 123 °F
SRV LIFT 1103
PRESS 280 PSIG
100% BPV 995
TRIP HI 51
LEVEL -112 IN
SCRAM LO 10
POWER 0 %
APRM DNSCL 5
RODS IN
OPER HI 20- 0
LVL 19 FT 10 IN
OPER LO 19- 6
SUPPRESSION POOL
OPER HI 95
TEMP 92 °F
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 1030

021

RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP RUN
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG OPER

SRV SHUT

MSIV SHUT

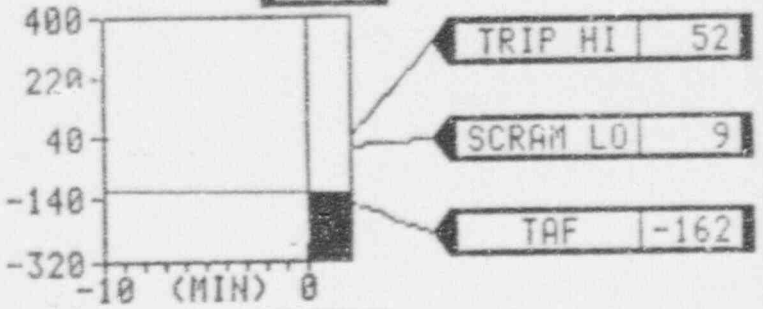
GROUP ISOL

RODS IN

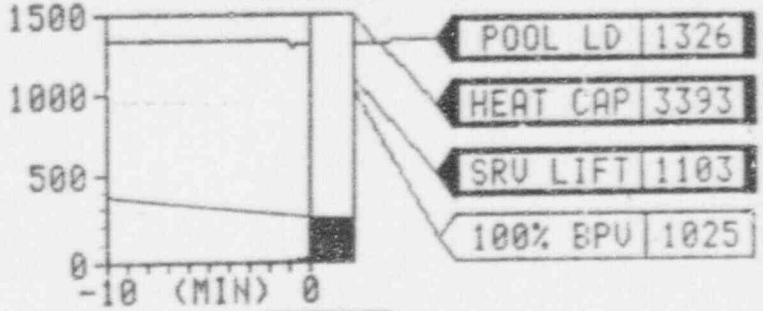
CNTMT NORMAL

RPV LEVEL 51 IN >TAF

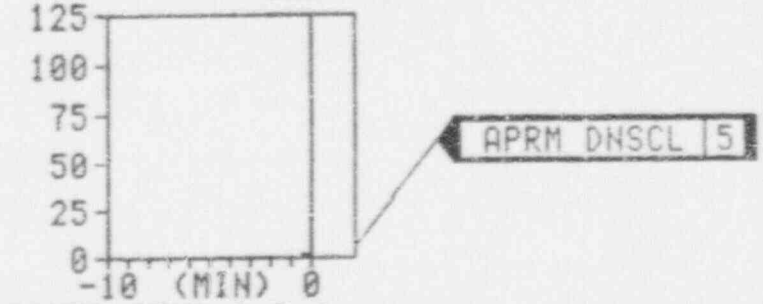
-112 IN



RPV PRESS 280 PSIG

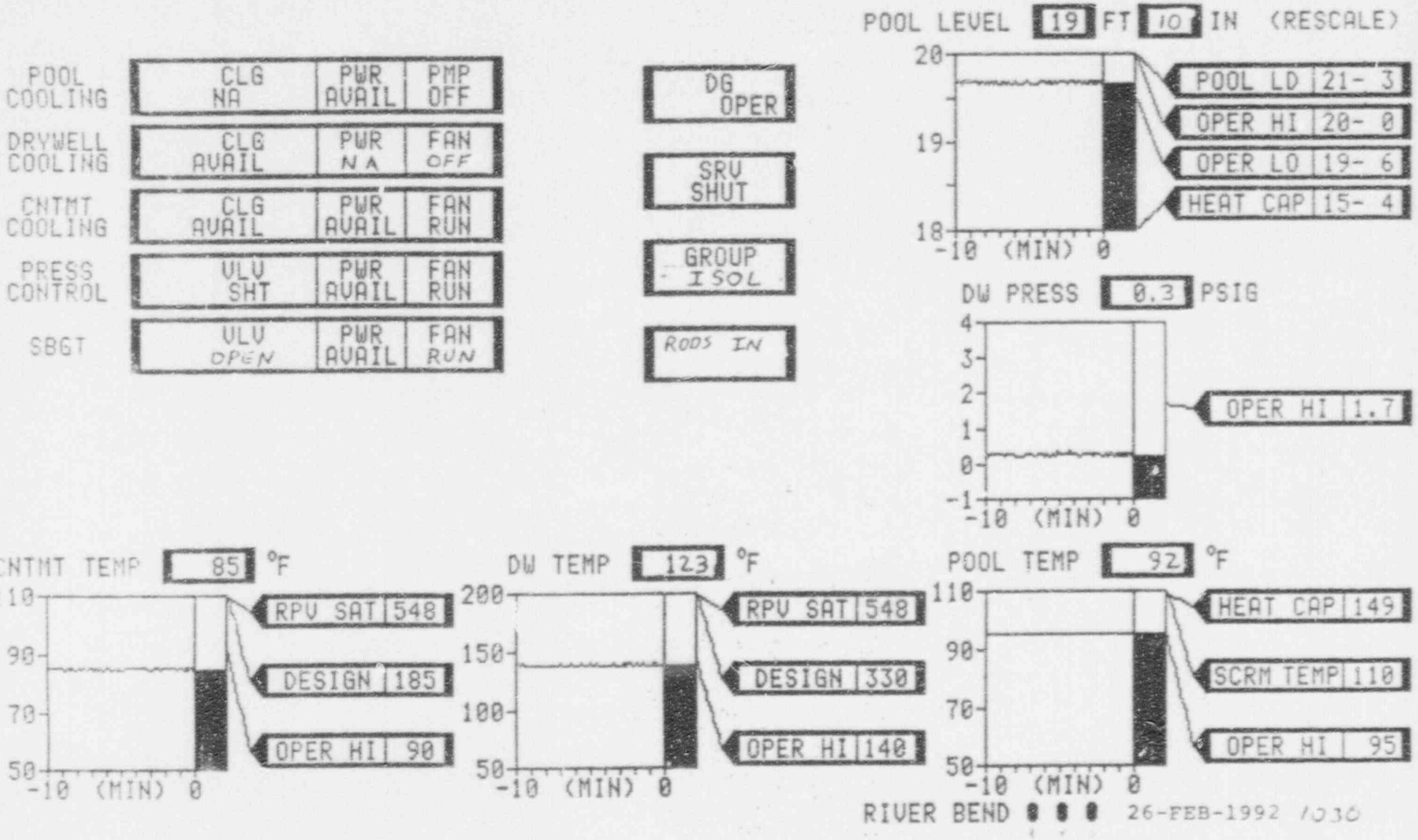


RX POWER 0 %



RIVER BEND 26-FEB-1992 1030

030 RPV NORMAL CONTAINMENT CONTROL--NR



1992 EVALUATED EXERCISE

Message Number: 12

Clock Time = 1030

Scenario Time = 02/45

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	0.8	R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	0.2	mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	3.0	R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	0.2	mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	9.0	mR/hr	RE-196	Equip. Drain Sump F.B. 79' (ARM)	0.5	mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	0.2	mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	0.4	mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	0.2	mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	0.2	mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	0.3	mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	1.5	mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	5.0	mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	0.1	mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4	mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	0.1	mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0	mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	0.2	mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2	mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	0.1	mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3	mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	0.09	mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28	mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	2.0	mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	0.4*	mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	2.0	mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	0.2*	mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	1.0	mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	0.5*	mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	0.3	mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	0.3*	mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	0.7	mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	0.5	mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	0.3	mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	0.5	mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	0.5	mR/hr

Revision 1
12/20/91

- Indicates Alarming
OSH - Indicates Offscale High
All other ARMs are "as read"

* Note: Levels drop based on sump being pumped and contamination being washed down drain.

1992 EVALUATED EXERCISE

Message Number: 12

Clock Time = 1030

Scenario Time = 02/45

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	9.1E-07	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	4.8E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	6.1E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	3.2E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	7.4E-07	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	1.2E-04	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	4.3E-02	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	4.0E+01	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	3.0E-11	µCi/cc	Off Gas Pre-treatment Monitor		0	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	1.0E-10	µCi/cc	Off Gas Post-treatment Monitor		0	cpm
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc	Main Steam Line Radiation Monitor		1000	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc	Main Steam Line Radiation Monitor		1000	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	5.6E-11	µCi/cc	Main Steam Line Radiation Monitor		1000	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	8.9E-07	µCi/cc	Main Steam Line Radiation Monitor		1000	mR/hr

- Indicates Alarming

OSH - Indicates Offscale High

All other Process Monitors are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number = 13

Clock Time = 1045

Scenario Time = 03/00

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Annunciators in Control Room include:

LPCS Injection Line Pressure Hi/Low - P601-21A/C07

Indications in Control Room include:

P601-E21-C001 -	LPCS Motor	0 Amps
P601-E21-R600 -	LPCS Pump Flow	0 GPM

1992 EVALUATED EXERCISE

Message Number = 13

Clock Time = 1045

Scenario Time = 03:00

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:

Low pressure core spray has failed. See Supplemental Scenario No. 8 for details.

No source of make-up water is currently available.

Water level will begin dropping as the water turns to steam and exits out the feedwater line break.

Expected Actions:

The Emergency Director and Recovery Manager should direct the implementation of the following emergency procedures:

EIP-2-005, "General Emergency"
EIP-2-006, "Notifications"
EIP-2-007, "Protective Action Recommendations"
EIP-2-012, "Radiation Exposure Controls"
EIP-2-013, "Onsite Radiological Monitoring"
EIP-2-014, "Offsite Radiological Monitoring"
EIP-2-024, "Offsite Dose Calculations"

1992 EVALUATED EXERCISE
Message Number - 13

Rev. 1 - 12/20/91

Clock Time - 1045
Scenario Time - 03/00

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

PANEL 601/877

	Status	Press	Flow
RHR A	OOS		0
RHR B	OOS		0
RHR C	OOS		0
LPCS	OOS		0
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	0	-165	FZ

DIV I	DIESEL	OP
DIV II	DIESEL	OOS
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC.MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL -160 WR

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1B	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 308

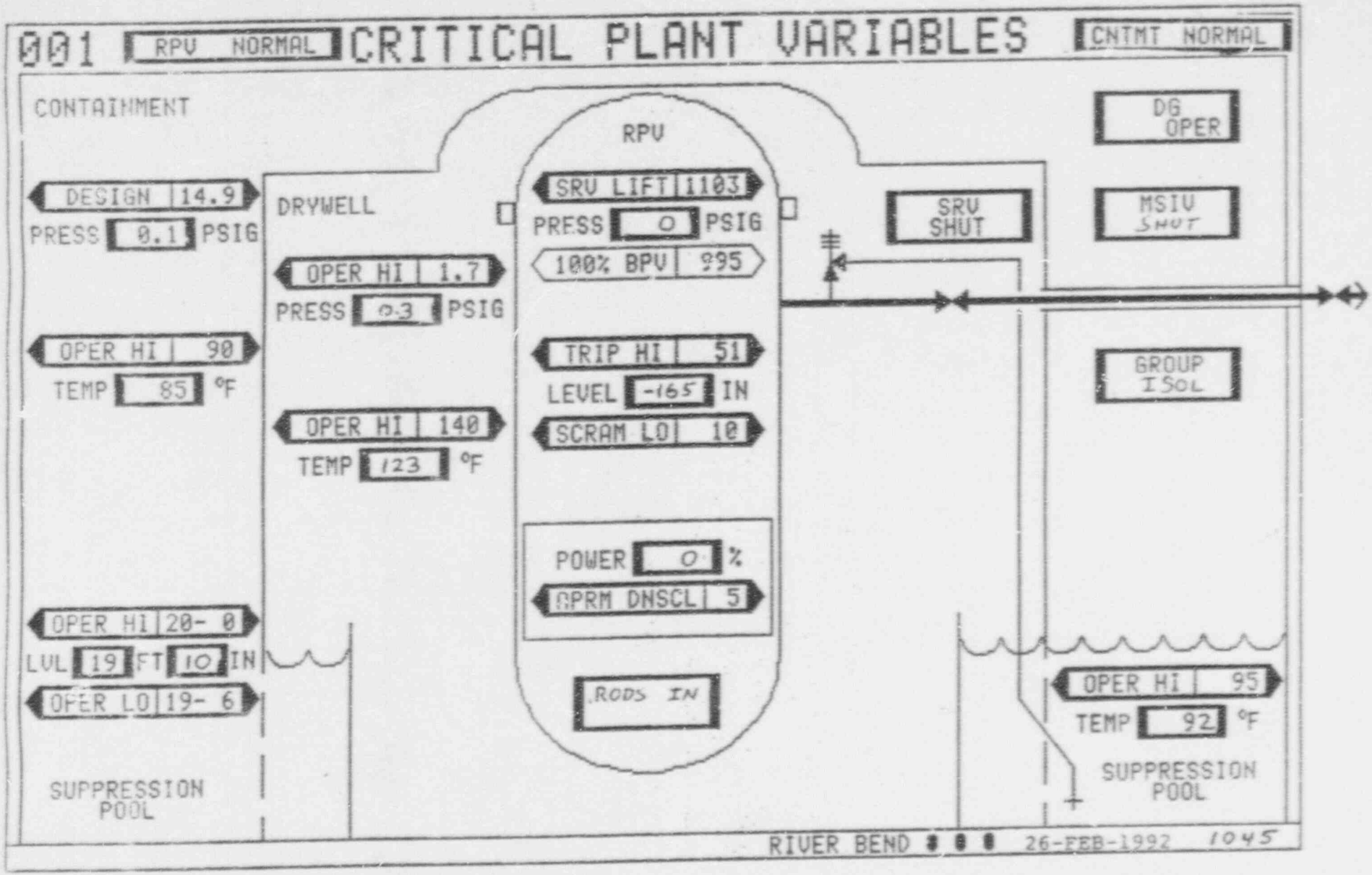
	Press	Temp	Level
DRYWELL	0.3	123°	
CTMT	0.1	85°	
SPR PL		92°	19'10"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OOS	SSW P2D	OOS

PANEL 863

SGTS A	OP	SGTS B	OOS
D/W COOLERS OPERATING			SS
CTMT COOLERS OPERATING			A



1992 RBS EVALUATED EXERCISE
Revision 1 12/20/91

021

RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG OPER

SRV SHUT

MSIV SHUT

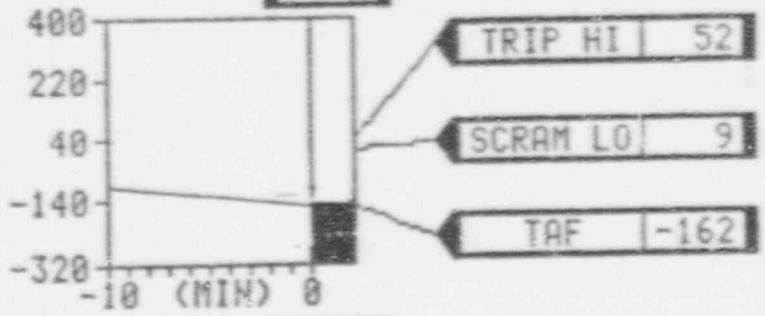
GROUP ISOL

RODS IN

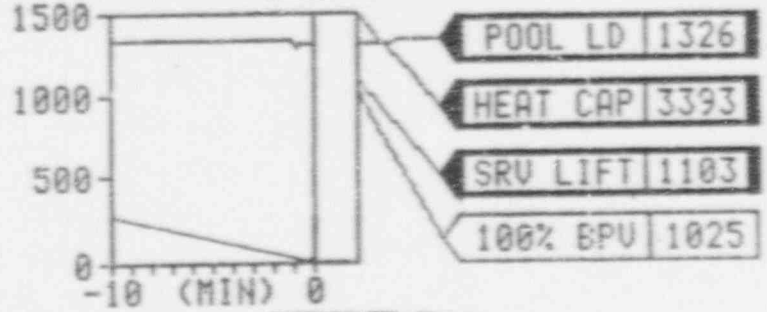
CNTMT NORMAL

RPV LEVEL -3 IN >TAF

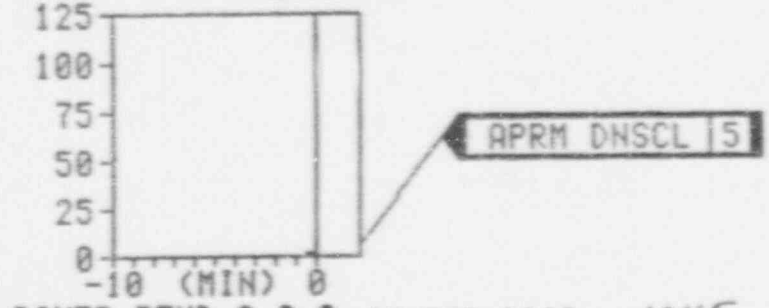
-165 IN



RPV PRESS 0 PSIG



RX POWER 0 %



RIVER BEND 26-FEB-1992 1045

030 RPV NORMAL CONTAINMENT CONTROL--NR

POOL COOLING	CLG NA	PWR AVAIL	PMP OFF
DRYWELL COOLING	CLG AVAIL	PWR NA	FAN OFF
CNTMT COOLING	CLG AVAIL	PWR AVAIL	FAN RUN
PRESS CONTROL	VLV SHT	PWR AVAIL	FAN RUN
SBGT	VLV OPEN	PWR AVAIL	FAN RUN

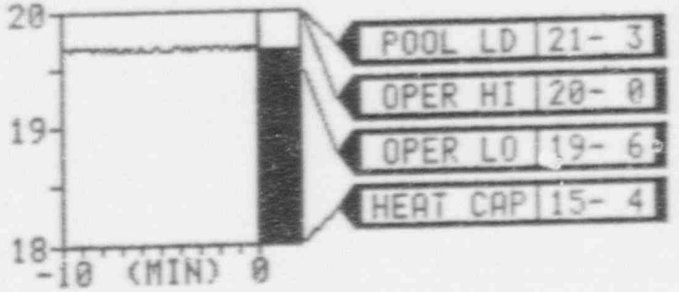
DG OPER

SRV SHUT

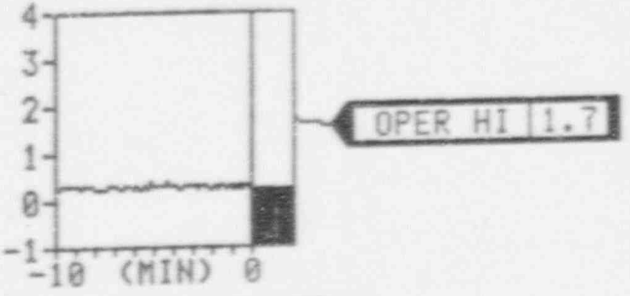
GROUP ISOL

RODS IN

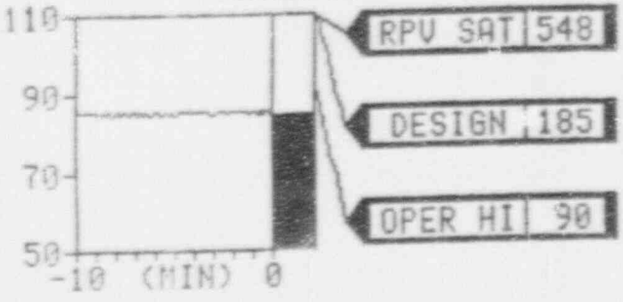
POOL LEVEL 19 FT 10 IN (RESCALE)



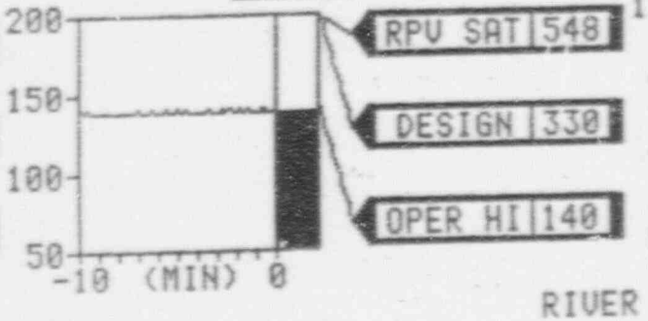
DW PRESS 0.3 PSIG



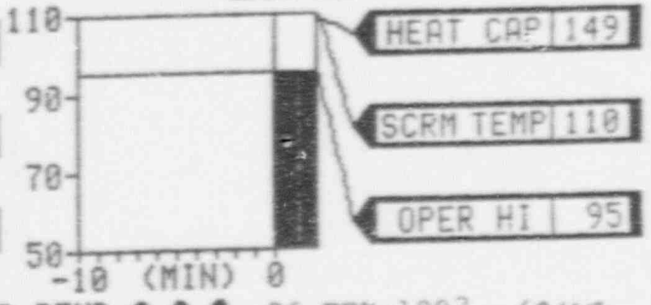
CNTMT TEMP 85 °F



DW TEMP 123 °F



POOL TEMP 92 °F



RIVER BEND 26-FEB-1992 1045

1992 EVALUATED EXERCISE
Message Number: 13

Clock Time = 1045
Scenario Time = 03/00

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	0.8	R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	0.2	mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	3.0	R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	0.2	mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	9.0	mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	0.5	mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	0.2	mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	0.4	mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	0.2	mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	0.2	mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	0.3	mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	1.5	mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	5.0	mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	0.1	mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4	mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	0.1	mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0	mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	0.2	mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2	mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	0.1	mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3	mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	0.09	mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28	mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	2.0	mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	0.4*	mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	2.0	mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	0.2*	mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	1.0	mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	0.5*	mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	0.3	mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	0.3*	mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	0.7	mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	0.5	mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	0.3	mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	0.5	mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	0.5	mR/hr

- Indicates Alarming
OSH - Indicates Offscale High
All other ARMs are "as read"

Revision 1
12/20/91

* Note: Levels drop based on sump being pumped and contamination being washed down drain.

1992 EVALUATED EXERCISE

Message Number: 13

Clock Time = 1045

Scenario Time = 03/00

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	9.1E-07	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	4.8E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	6.1E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	3.2E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	7.4E-07	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	1.2E-04	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	4.3E-02	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	4.0E+01	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-06	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	3.0E-11	µCi/cc		Off Gas Pre-treatment Monitor	0	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	1.0E-10	µCi/cc		Off Gas Post-treatment Monitor	0	cpm
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc		Main Steam Line Radiation Monitor	1000	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc		Main Steam Line Radiation Monitor	1000	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	5.6E-11	µCi/cc		Main Steam Line Radiation Monitor	1000	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	8.9E-07	µCi/cc		Main Steam Line Radiation Monitor	1000	mR/hr

- Indicates Alarming

OSH - Indicates Offscale High

All other Process Monitors are "as read"

Revision 1
12/20/91

1992 EVALUATED EXERCISE

Message Number = 14

Clock Time = 1100

Scenario Time = 03/15

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Plant Status Update

1992 EVALUATED EXERCISE

Message Number = 14

Clock Time = 1100

Scenario Time = 03/15

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

CONTROLLER INFORMATION

***** THIS IS A DRILL *****

Controller Information:	Expected Actions:
RPV level continues to decrease as reactor coolant boils away.	Investigate loss of LPCS. Continue efforts to restore sources of make up water and electrical power.

1992 EVALUATED EXERCISE
Message Number - 14

Rev. 1 - 12/20/91

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

Clock Time - 1100
Scenario Time - 03/15

PANEL 601/877

	Status	Press	Flow
RHR A	OOS		0
RHR B	OOS		0
RHR C	OOS		0
LPCS	OOS		0
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	0	-188	FZ

DIV I	DIESEL	OP
DIV II	DIESEL	OOS
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SB=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC.MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL -160

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1B	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 808

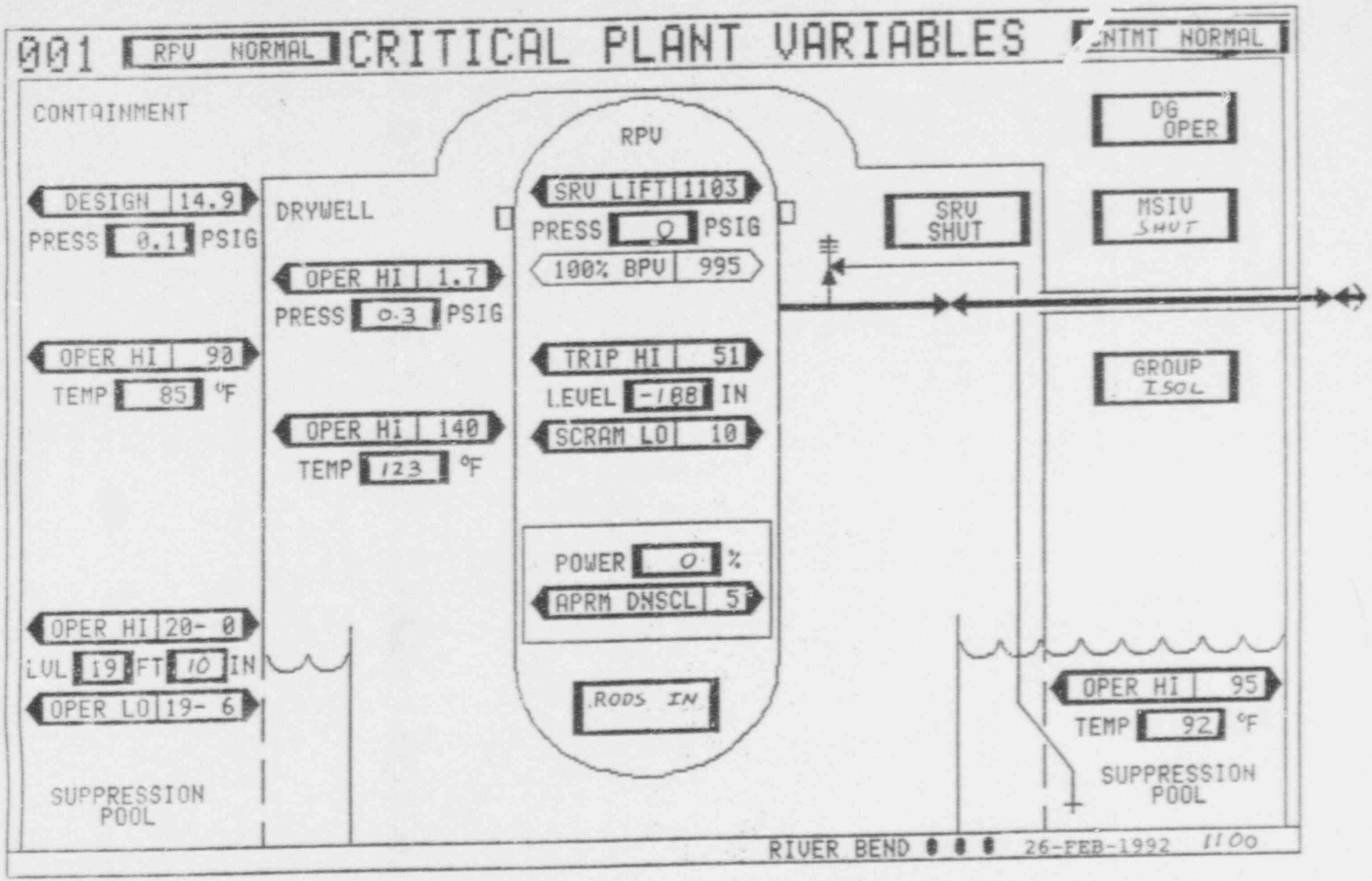
	Press	Temp	Level
DRYWELL	0.3	123°	
CTMT	0.1	85°	
SPR PL		92°	19'10"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OOS	SSW P2D	OOS

PANEL 863

SGTS A	OP	SGTS B	OOS
D/W COOLERS OPERATING			SS
CTMT COOLERS OPERATING			A



1992 RBS EVALUATED EXERCISE
Revision 1 12/20/91

021

RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG OPER

SRV SHUT

MSIV SHUT

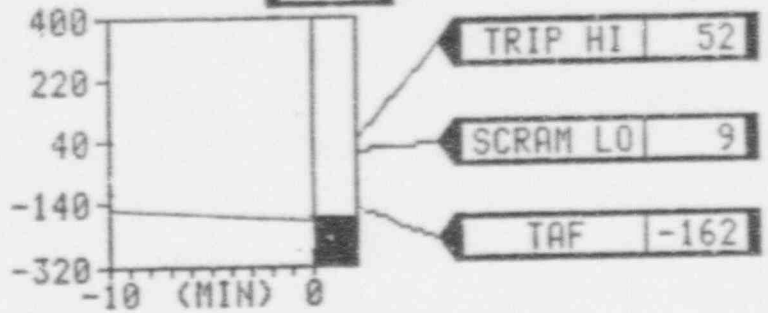
GROUP ISOL

RODS IN

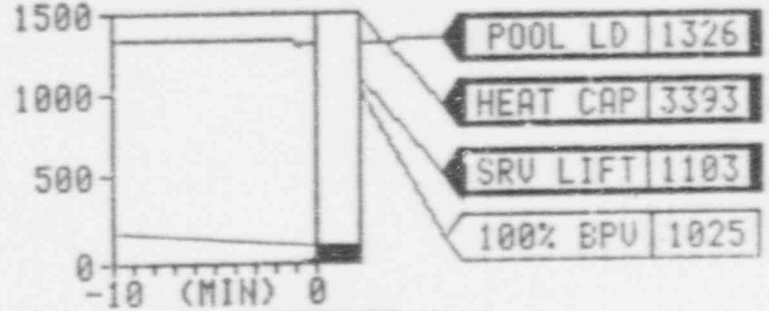
CNTMT NORMAL

RPV LEVEL -26 IN >TAF

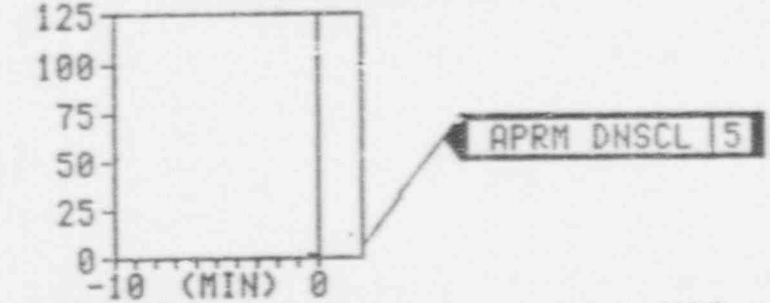
-188 IN



RPV PRESS 0 PSIG



RX POWER 0 %



RIVER BEND 26-FEB-1992 1100

030 RPV NORMAL CONTAINMENT CONTROL--NR

POOL COOLING	CLG NA	PWR AVAIL	PMP OFF
DRYWELL COOLING	CLG AVAIL	PWR NA	FAN OFF
CNTMT COOLING	CLG AVAIL	PWR AVAIL	FAN RUN
PRESS CONTROL	VLV SHT	PWR AVAIL	FAN RUN
SBGT	VLV OPEN	PWR AVAIL	FAN RUN

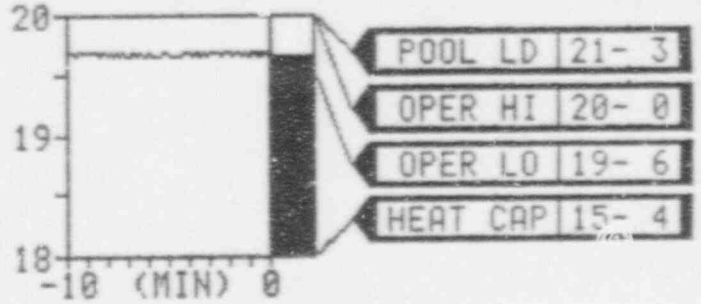
DG OPER

SRV SHUT

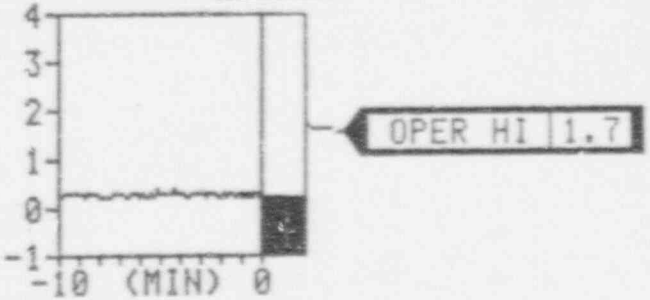
GROUP ISOL

RODS IN

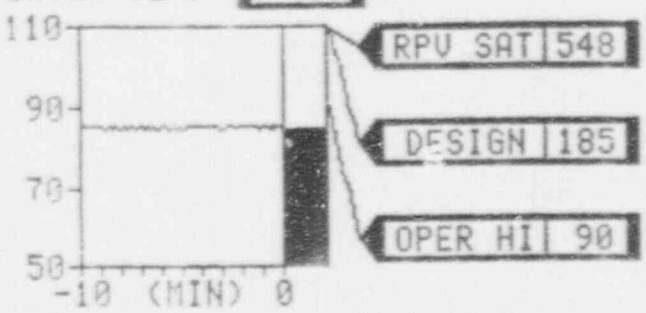
POOL LEVEL 19 FT 10 IN (RESCALE)



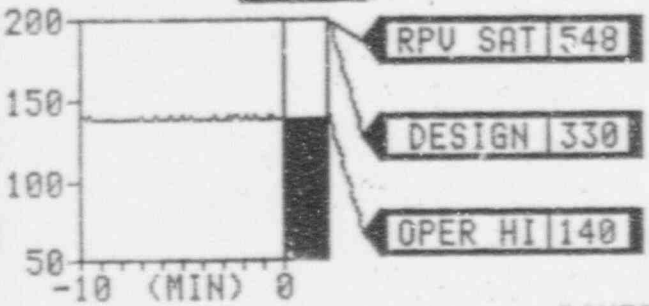
DW PRESS 0.3 PSIG



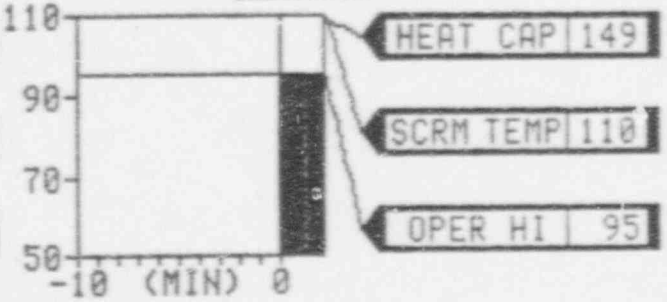
CNTMT TEMP 85 °F



DW TEMP 123 °F



POOL TEMP 92 °F



RIVER BEND 26-FEB-1992 1100

1992 EVALUATED EXERCISE
Message Number: 14

Clock Time = 1100
Scenario Time = 03/15

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	0.8	R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	0.2	mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	3.0	R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	0.2	mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	9.0	mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	0.5	mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	0.2	mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	0.4	mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	0.2	mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	0.2	mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	0.3	mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	1.5	mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	5.0	mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	0.1	mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4	mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	0.1	mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0	mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	0.2	mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2	mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	0.1	mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3	mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	0.09	mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28	mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	2.0	mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	0.4*	mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	2.0	mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	0.2*	mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	1.0	mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	0.5*	mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	0.3	mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	0.3*	mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	0.7	mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	0.5	mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	0.3	mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	0.5	mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	0.5	mR/hr

[redacted] - Indicates Alarming
OSH - Indicates Offscale High
All other ARMs are "as read"

Revision 1
12/20/91

* **Note: Levels drop based on sump being pumped and contamination being washed down drain.**

1992 EVALUATED EXERCISE

Message Number: 14

Clock Time = 1100

Scenario Time = 03/15

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	8.7E-07	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	4.7E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	5.8E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	3.1E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	7.4E-07	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	1.2E-04	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	4.3E-02	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	4.0E+01	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	3.0E-11	µCi/cc		Off Gas Pre-treatment Monitor	0	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	1.0E-10	µCi/cc		Off Gas Post-treatment Monitor	0	cpm
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc		Main Steam Line Radiation Monitor	1000	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc		Main Steam Line Radiation Monitor	1000	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	5.6E-11	µCi/cc		Main Steam Line Radiation Monitor	1000	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	8.9E-07	µCi/cc		Main Steam Line Radiation Monitor	1000	mR/hr

- Indicates Alarming

OSH - Indicates Offscale High

All other Process Monitors are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number = 15

Clock Time = 1115

Scenario Time = 03/30

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Plant Status Update

1992 EVALUATED EXERCISE

Message Number = 15

Clock Time = 1115

Scenario Time = 03/30

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
RPV level has decreased to 2/3 core height. Fuel clad degradation/failure occurs resulting in elevated reactor coolant chemistry. Fission products begin escaping into the Auxiliary Building Steam Tunnel and Turbine Building via the feedwater break.	Observe RPV level at 2/3 core height. Monitor for increasing radiation levels. Perform dose projections. Continue efforts to restore electrical power and establish a source of make-up water.

1992 EVALUATED EXERCISE
Message Number - 15

Rev. 1 - 12/20/91

Clock Time - 1115
Scenario Time - 03/30

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

PANEL 601/877

	Status	Press	Flow
RHR A	OOS		0
RHR B	OOS		0
RHR C	OOS		0
LPCS	OOS		0
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Lev 1
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	0	-207	FZ

DIV I	DIESEL	OP
DIV II	DIESEL	OOS
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE

SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 603

SRV	RED	GRN	AC,MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL -160

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1B	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 808

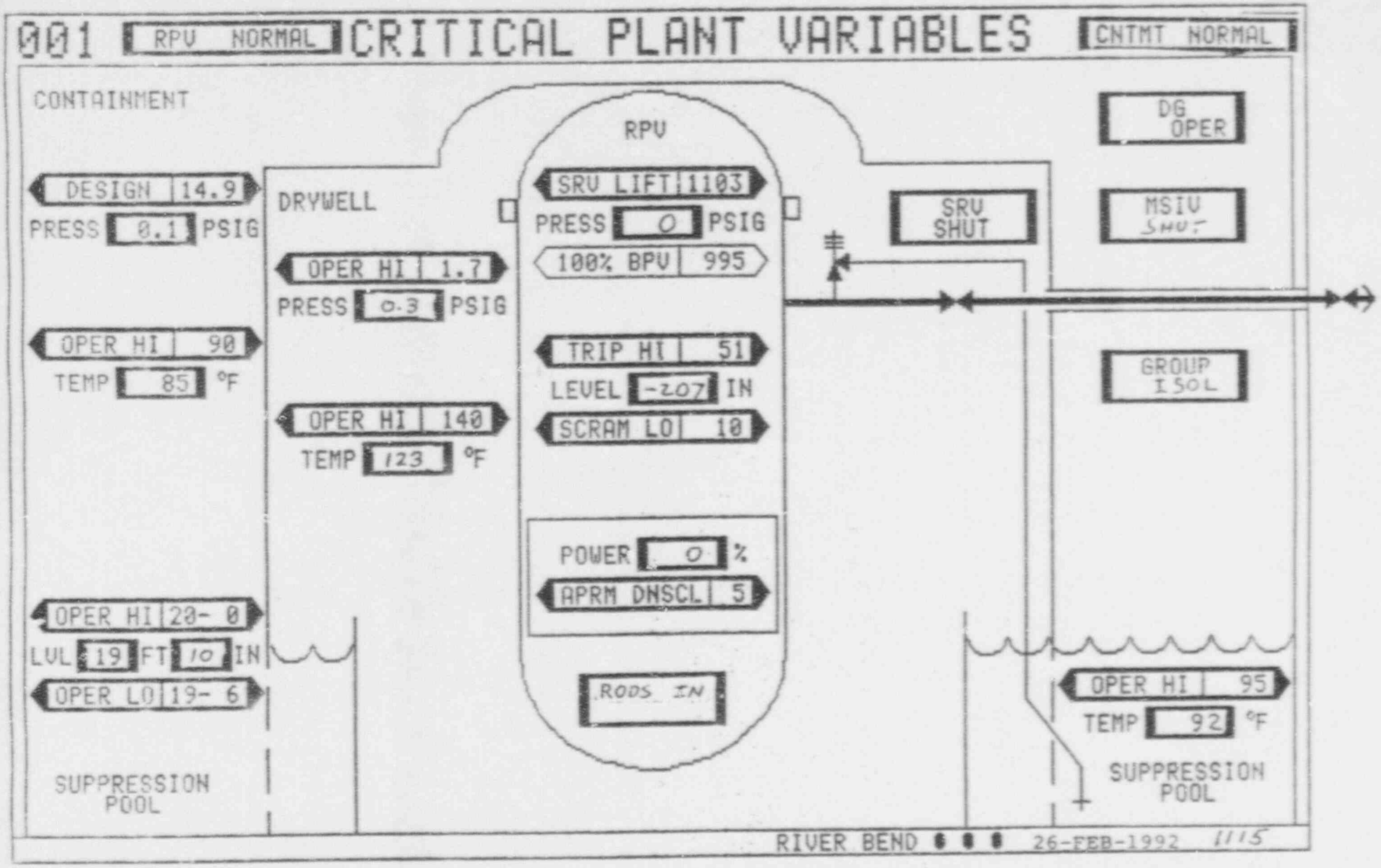
	Press	Temp	Level
DRYWELL	0.3	123°	
CTMT	0.1	85°	
SPR PL		92°	19'10"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OOS	SSW P2D	OOS

PANEL 863

SGTS A	OP	SGTS B	OOS
D/W COOLERS OPERATING			SS
CTMT COOLERS OPERATING			A


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
RPV
DG OPER
DESIGN 14.9
PRESS 0.1 PSIG
DRYWELL
SRV LIFT 1103
PRESS 0 PSIG
100% BPV 995
SRV SHUT
MSIV SHUT
OPER HI 1.7
PRESS 0.3 PSIG
OPER HI 90
TEMP 85 °F
TRIP HI 51
LEVEL -207 IN
GROUP ISOL
OPER HI 140
TEMP 123 °F
SCRAM LO 10
POWER 0 %
APRM DNSCL 5
OPER HI 20- 0
LVL 19 FT 10 IN
OPER LO 19- 6
RODS IN
OPER HI 95
TEMP 92 °F
SUPPRESSION POOL
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 1115

021

RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG OPER

SRV SHUT

MSIV SHUT

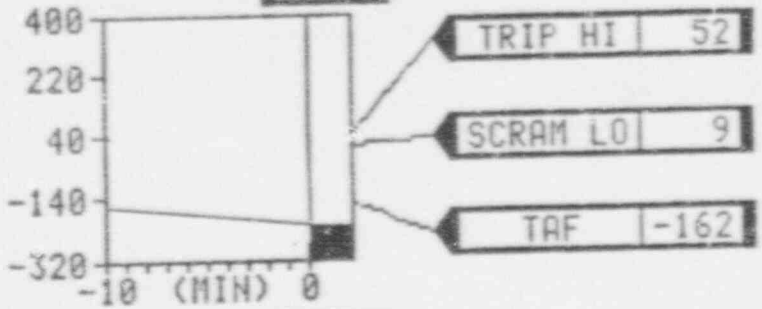
GROUP ISOL

ROOS IN

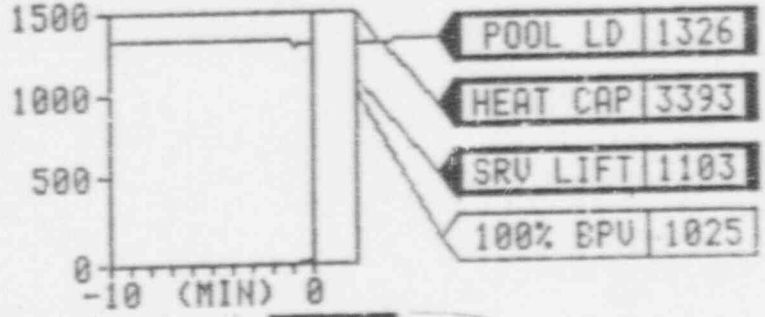
CNTMT NORMAL

RPV LEVEL -45 IN >TAF

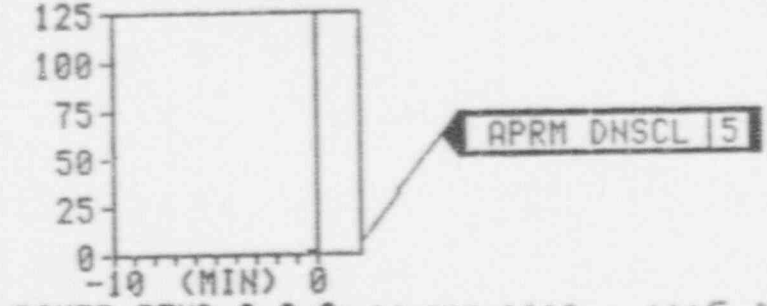
-207 IN



RPV PRESS 0 PSIG



RX POWER 0 %



RIVER BEND 26-FEB-1992 1115

030 RPV NORMAL CONTAINMENT CONTROL--NR

POOL COOLING	CLG NA	PWR AVAIL	PMP OFF
DRYWELL COOLING	CLG AVAIL	PWR NA	FAN OFF
CNTMT COOLING	CLG AVAIL	PWR AVAIL	FAN RUN
PRESS CONTROL	VLV SHT	PWR AVAIL	FAN RUN
SBGT	VLV OPEN	PWR AVAIL	FAN RUN

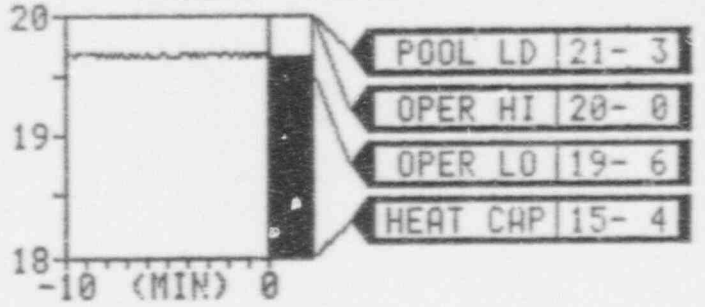
DG OPER

SRV SHUT

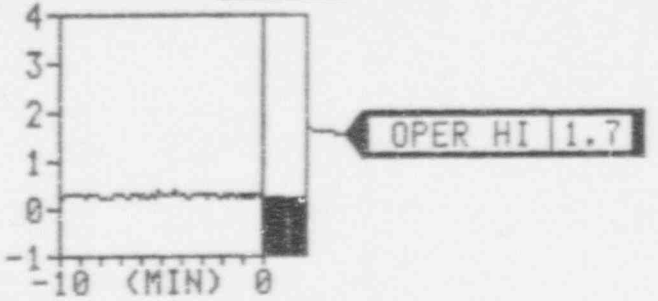
GROUP ISOL

RODS IN

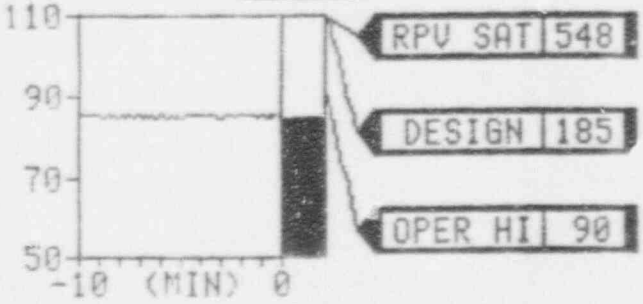
POOL LEVEL 19 FT 10 IN (RESCALE)



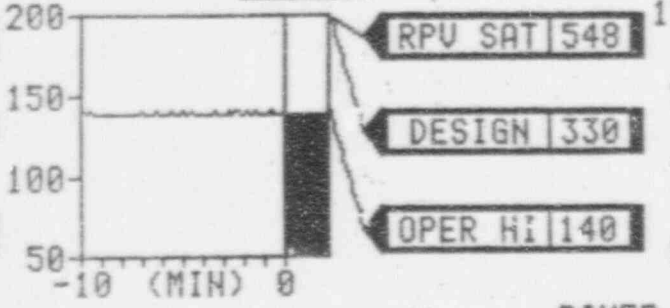
DW PRESS 0.3 PSIG



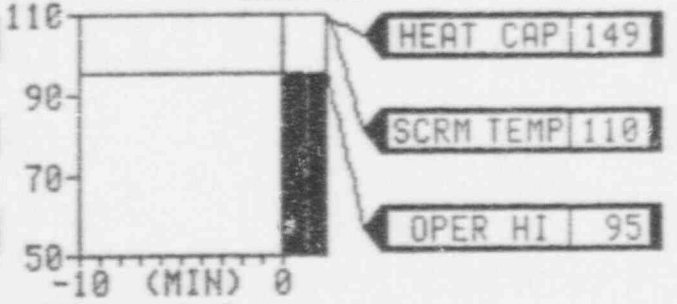
CNTMT TEMP 85 °F



DW TEMP 123 °F



PCOL TEMP 92 °F



RIVER BEND 26-FEB-1992 1115

1992 EVALUATED EXERCISE
Message Number: 15

Clock Time = 1115
Scenario Time = 03/30

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING	ID NUMBER	LOCATION (TYPE)	READING
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	600 R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	50 mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	1200 R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	50 mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	2000 mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	50 mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	OSH mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	20 mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	OSH mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	20 mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	OSH mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	20 mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	OSH mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	20 mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4 mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	20 mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0 mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	50 mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2 mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	50 mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3 mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	50 mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28 mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	50 mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	0.4* mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	50 mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	0.2* mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	50 mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	0.5* mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	50 mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	0.3* mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	50 mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	50 mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	50 mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	50 mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	50 mR/hr

- Indicates Alarming
OSH - Indicates Offscale High
All other ARMs are "as read"

Revision 1
12/20/91

* Note: Levels drop based on sump being pumped and contamination being washed down drain.

1992 EVALUATED EXERCISE

Message Number: 15

Clock Time = 1115

Scenario Time = 03/30

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec
1GE-125	Main Plant Exh. Duct (WRGM)	7.4E-07	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	1.2E-04	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	4.3E-02	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	4.0E+01	µCi/sec
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc
RE-118P	Turbine Bldg. Vent (PART)	3.0E-11	µCi/cc
RE-118G	Turbine Bldg. Vent (GAS)	1.0E-10	µCi/cc
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc
RE-126P	Main Plant Exh. Duct (PART)	5.6E-11	µCi/cc
RE-126G	Main Plant Exh. Duct (GAS)	8.9E-07	µCi/cc

ID NUMBER	LOCATION (TYPE)	READING	
RE-111P	Cont. Atmosphere (PART)	8.5E-07	µCi/cc
RE-111G	Cont. Atmosphere (GAS)	4.6E-05	µCi/cc
RE-112P	Drywell Atmosphere (PART)	5.7E-07	µCi/cc
RE-112G	Drywell Atmosphere (GAS)	3.1E-05	µCi/cc
RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc

Off Gas Pre-treatment Monitor	0	mR/hr
Off Gas Post-treatment Monitor	0	cpm
Main Steam Line Radiation Monitor	3000	mR/hr
Main Steam Line Radiation Monitor	3000	mR/hr
Main Steam Line Radiation Monitor	3000	mR/hr
Main Steam Line Radiation Monitor	3000	mR/hr

[redacted] - Indicates Alarming
OSH - Indicates Offscale High
All other Process Monitors are "as read"

Revision 1
12/20/91

1992 EVALUATED EXERCISE

Message Number = 16

Clock Time = 1130

Scenario Time = 03/45

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Plant Status Update

1992 EVALUATED EXERCISE

Message Number = 16

Clock Time = 1130

Scenario Time = 03/45

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
The release to the environment begins from the Steam Tunnel via Turbine Building ventilation through the main plant exhaust duct.	Enter EOP-3, "Secondary Containment and Radiological Release Control. Perform dose projections using effluent monitors and meteorological conditions. Review protective actions to ensure that previously recommended actions are conservative.

1992 EVALUATED EXERCISE
Message Number - 16

Rev. 1 - 12/20/91

Clock Time - 1130
Scenario Time - 03/45

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

PANEL 601/877

	Status	Press	Flow
EHR A	OOS		0
RHR B	OOS		0
RHR C	OOS		0
LPCS	OOS		0
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	0	-221	FZ

DIV I	DIESEL	OP
DIV II	DIESEL	OOS
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC.MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL -160 WR

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1B	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 808

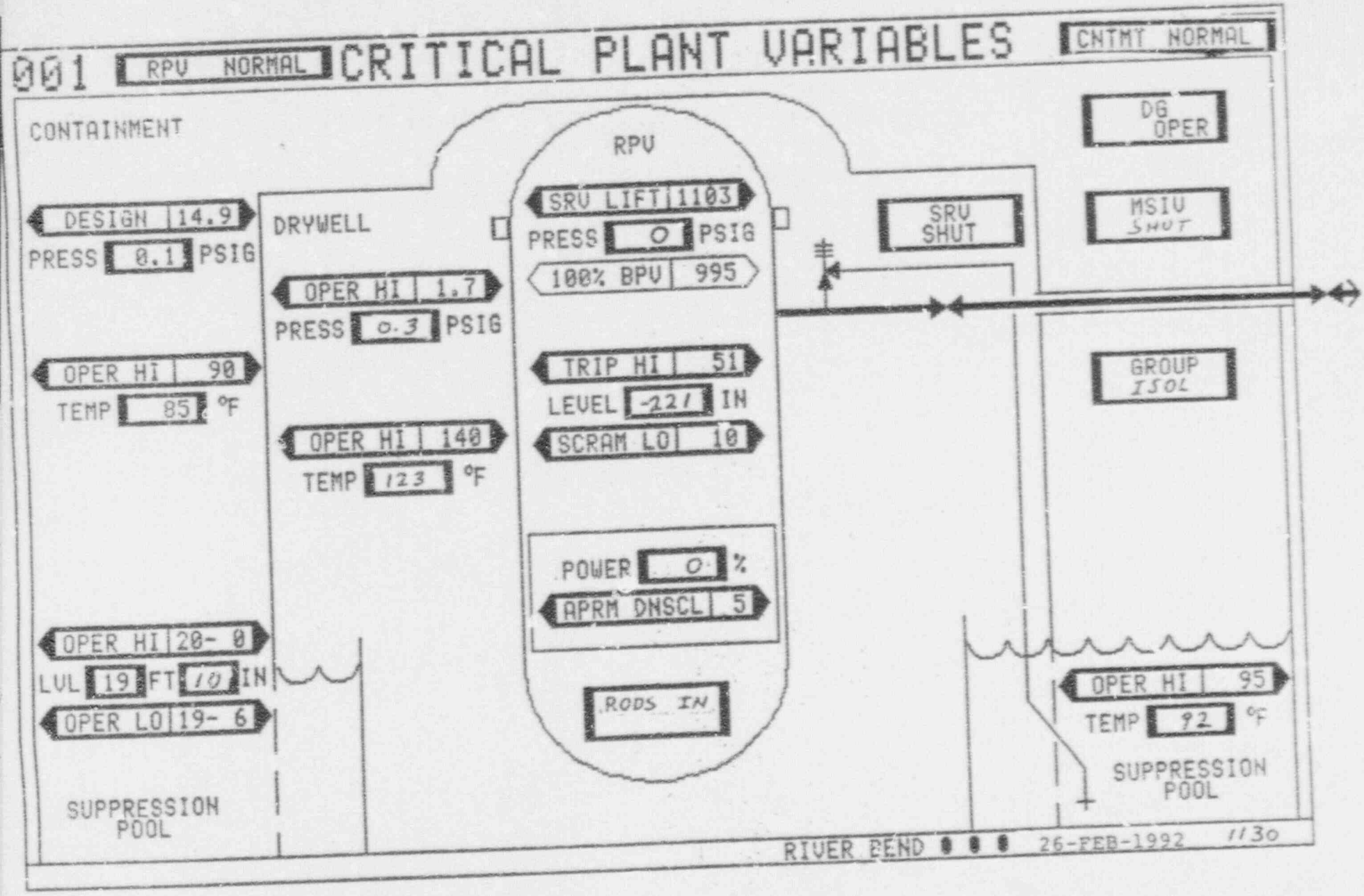
	Press	Temp	Level
DRYWELL	0.3	123°	
CTMT	0.1	85°	
SPR PL		92°	19'10"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OOS	SSW P2D	OOS

PANEL 863

SGTS A	OP	SGTS B	OOS
D/W COOLERS OPERATING			SS
CTMT COOLERS OPERATING			A


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
DRYWELL
RPV
DG OPER
SRV SHUT
MSIV SHUT
GROUP ISOL
DESIGN 14.9
PRESS 0.1 PSIG
OPER HI 1.7
PRESS 0.3 PSIG
OPER HI 90
TEMP 85 °F
OPER HI 140
TEMP 123 °F
SRV LIFT 1103
PRESS 0 PSIG
100% BPV 995
TRIP HI 51
LEVEL -221 IN
SCRAM LO 10
POWER 0 %
APRM DNSCL 5
RODS IN
OPER HI 20- 0
LVL 19 FT 10 IN
OPER LO 19- 6
SUPPRESSION POOL
OPER HI 95
TEMP 92 °F
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 1130

021

RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG OPER

SRV SHUT

MSIV SHUT

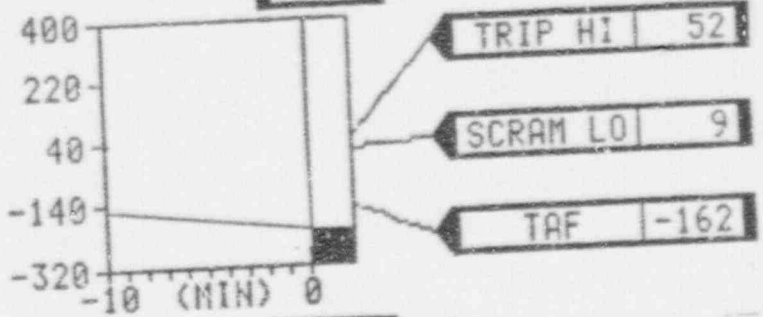
GROUP ISOL

RODS IN

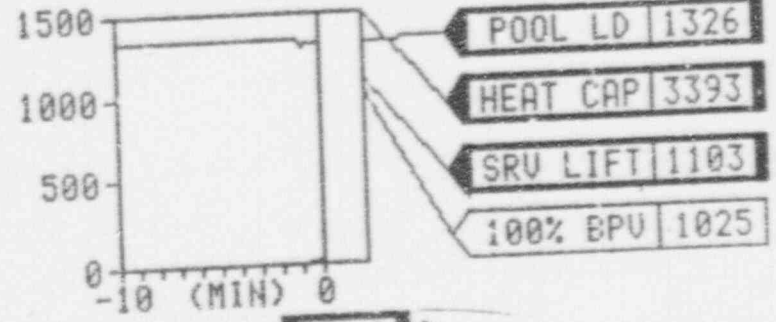
CNTMT NORMAL

RPV LEVEL -59 IN >TAF

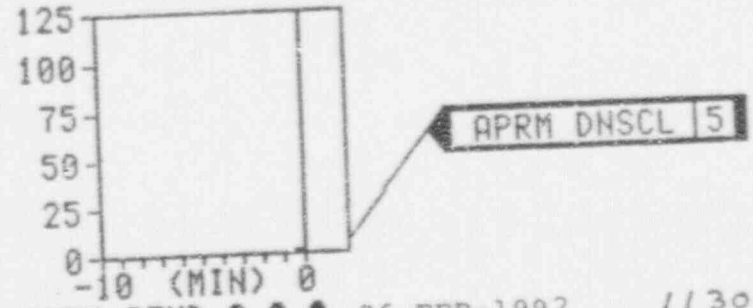
-221 IN



RPV PRESS 0 PSIG

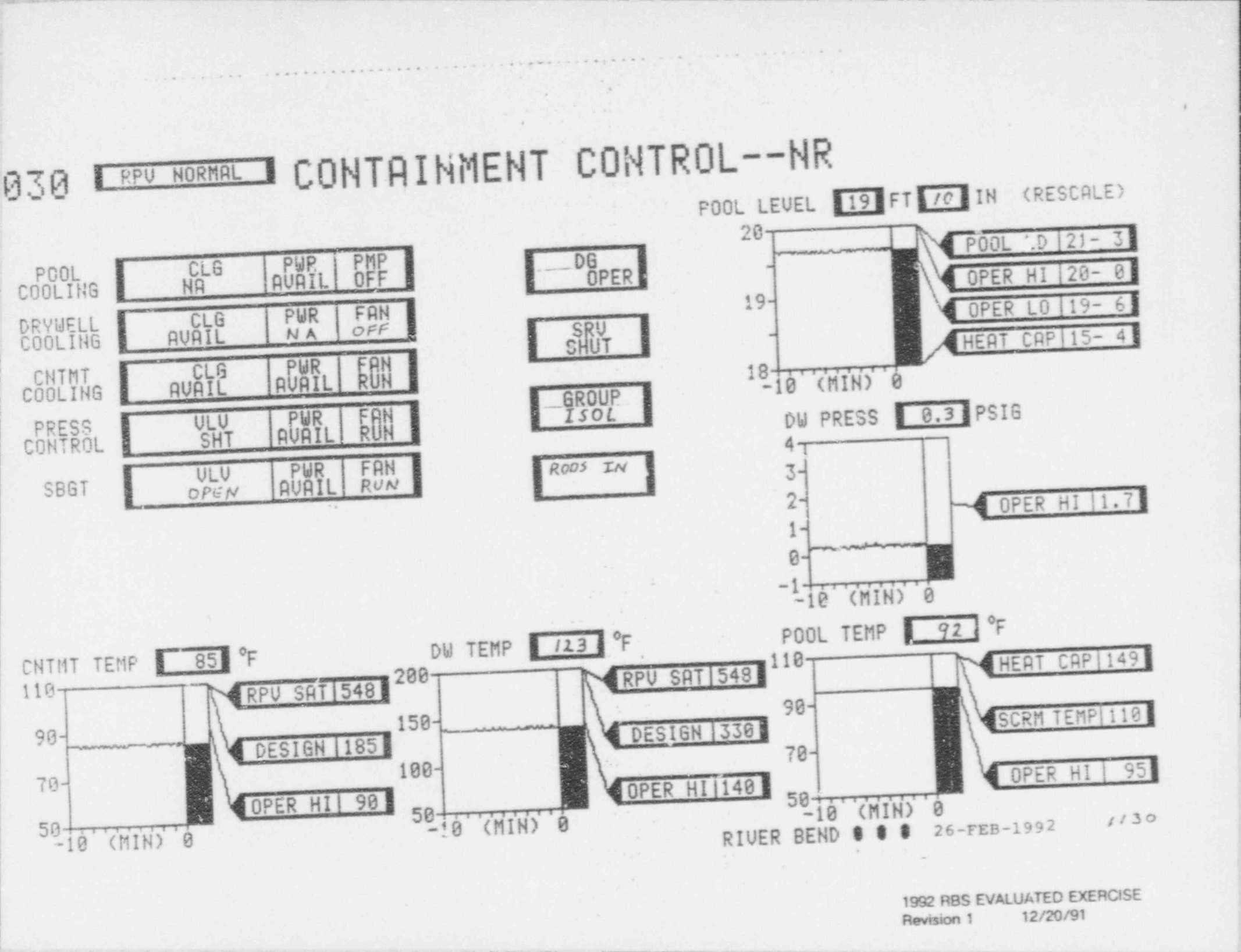


RX POWER 0 %



RIVER BEND 26-FEB-1992 1130

030 RPV NORMAL CONTAINMENT CONTROL--NR



1992 EVALUATED EXERCISE
Message Number: 16

Clock Time = 1130
Scenario Time = 03/45

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	1000 R/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	2000 R/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	OSH mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	OSH mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	OSH mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	OSH mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	0.4 mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	2.0 mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	9.2 mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	0.3 mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	28 mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	0.4* mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	0.2* mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	0.5* mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	0.3* mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	50 mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	50 mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	

ID NUMBER	LOCATION (TYPE)	READING
RE-194	Supt. Rm.. Trans. Tube F.B. 123' (ARM)	50 mR/hr
RE-195	Sample Sink Area F.B. 95' (ARM)	50 mR/hr
RE-196	Equip. Drain Sump F.B. 70' (ARM)	50 mR/hr
RE-200	North Hoist Area T.B. 123' (ARM)	20 mR/hr
RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	20 mR/hr
RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	20 mR/hr
RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	20 mR/hr
RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	50 mR/hr
RE-210	PASS Panel A.B. 114' (ARM)	50 mR/hr
RE-211	Control Rod Drive A.B. 95' (ARM)	50 mR/hr
RE-212	HPCS Area East A.B. 70' (ARM)	50 mR/hr
RE-213	RHR A Area West A.B. 70' (ARM)	50 mR/hr
RE-214	RHR B Area East A.B. 70' (ARM)	50 mR/hr
RE-215	RHR C Area A.B. 70' (ARM)	50 mR/hr
RE-216	LPCS Area West A.B. 70' (ARM)	50 mR/hr
RE-217	HPCS Penetration Area East A.B. 70' (ARM)	50 mR/hr
RE-218	LPCS Penetration Area West A.B. 70' (ARM)	50 mR/hr
RE-219	RCIC Area West A.B. 70' (ARM)	

Revision 1
12/20/91

- Indicates Alarming
OSH - Indicates Offscale High
All other ARMs are "as read"

* Note: Levels drop based on sump being pumped and contamination being washed down drain.

1992 EVALUATED EXERCISE

Message Number: 16

Clock Time = 1130

Scenario Time = 03/45

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec
1GE-125	Main Plant Exh. Duct (WRGM)	1.1E-05	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	1.1E-05	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	1.1E-05	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	5.0E+02	µCi/sec
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc
RE-118P	Turbine Bldg. Vent (PART)	7.6E-05	µCi/cc
RE-118G	Turbine Bldg. Vent (GAS)	2.2E-05	µCi/cc
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc
RE-126P	Main Plant Exh. Duct (PART)	3.8E-05	µCi/cc
RE-126G	Main Plant Exh. Duct (GAS)	1.1E-05	µCi/cc

ID NUMBER	LOCATION (TYPE)	READING	
RE-111P	Cont. Atmosphere (PART)	8.5E-07	µCi/cc
RE-111G	Cont. Atmosphere (GAS)	4.6E-05	µCi/cc
RE-112P	Drywell Atmosphere (PART)	5.7E-07	µCi/cc
RE-112G	Drywell Atmosphere (GAS)	3.1E-05	µCi/cc
RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc

Off Gas Pre-treatment Monitor	0	mR/hr
Off Gas Post-treatment Monitor	0	cpm
Main Steam Line Radiation Monitor	8000	mR/hr
Main Steam Line Radiation Monitor	8000	mR/hr
Main Steam Line Radiation Monitor	8000	mR/hr
Main Steam Line Radiation Monitor	8000	mR/hr

- Indicates Alarming
OSH - Indicates Offscale High
All other Process Monitors are "as read"

Revision 1
12/20/91

1992 EVALUATED EXERCISE

Message Number = 16.1x

Clock Time = 1135

Scenario Time = 03/50

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Emergency Director

A General Emergency should be declared in accordance with EIP-2-001, "Classification of Emergencies", GE EAL 2, Initiating Condition 1, "Loss of any two of the following with potential loss of the third a. Fuel Cladding, b. RCS Pressure Boundary, c. Containment Integrity".

1992 EVALUATED EXERCISE

Message Number = 16.1x

Clock Time = 1135

Scenario Time = 03/50

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
Deliver this message only if a General Emergency has not been declared and if there are no discussions in process that would result in the declaration of a General Emergency.	Declare a General Emergency.

1992 EVALUATED EXERCISE

Message Number = 17

Clock Time = 1145

Scenario Time = 04/00

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Plant Status Update

1992 EVALUATED EXERCISE

Message Number = 17

Clock Time = 1145

Scenario Time = 04/00

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
The radioactive release to the environment continues.	Monitor the release. Continue efforts to restore electrical power and obtain a source of make-up water. Compare results of computer dose projections and field team results.

1992 EVALUATED EXERCISE
Message Number - 17

Rev. 1 - 12/20/91

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

Clock Time - 1145
Scenario Time - 04/00

PANEL 601/877

	Status	Press	Flow
RHR A	OOS		0
RHR B	OOS		0
RHR C	OOS		0
LPCS	OOS		0
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	0	-233	FZ

DIV I	DIESEL	OP
DIV II	DIESEL	OOS
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC,MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL -160 WR

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1B	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 808

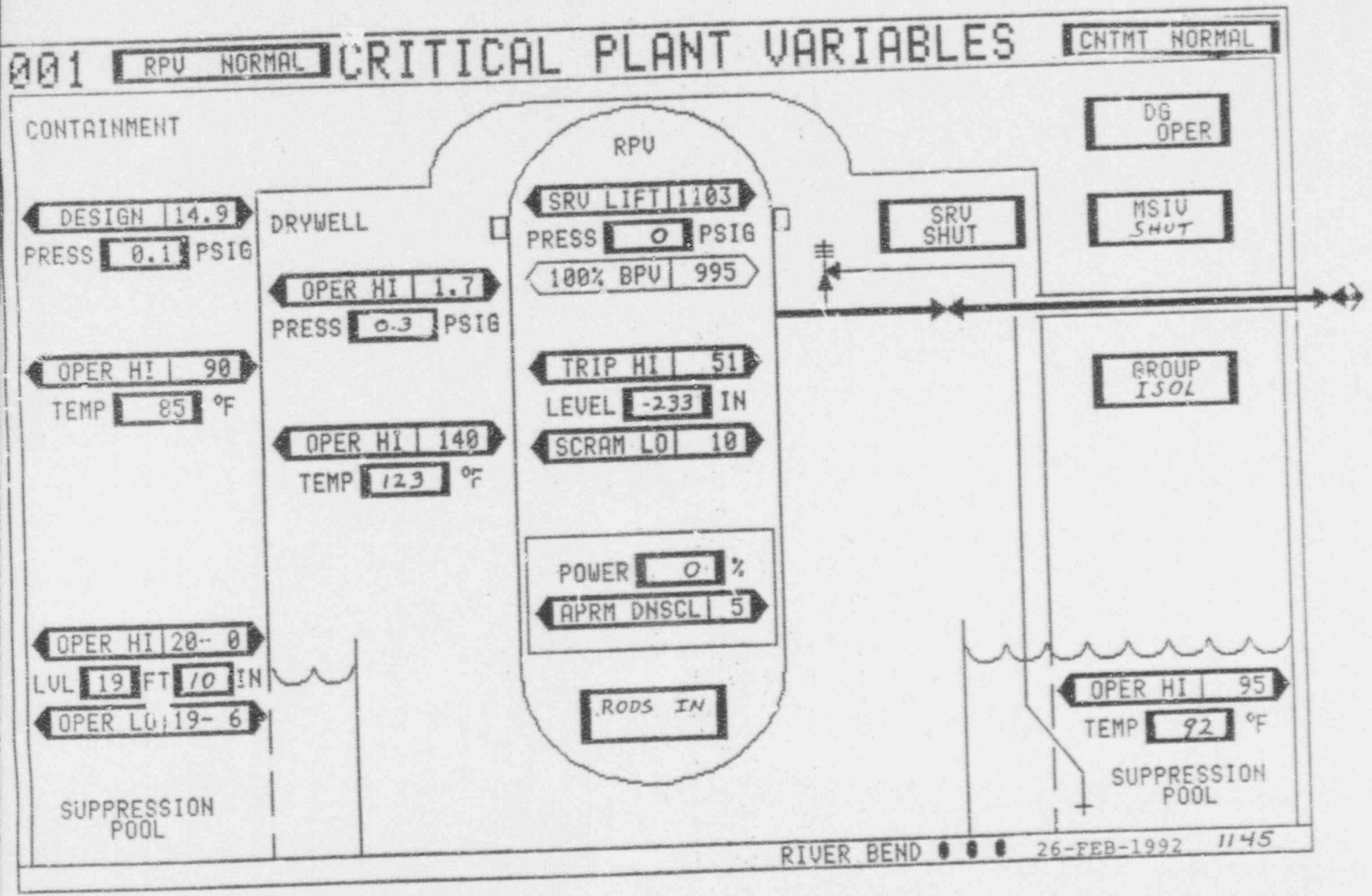
	Press	Temp	Level
DRYWELL	0.3	123°	
CTMT	0.1	85°	
SPR PL		92°	19'10"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OOS	SSW P2D	OOS

PANEL 863

SGTS A	OP	SGTS B	OOS
D/W COOLERS OPERATING			SS
CTMT COOLERS OPERATING			A


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
DRYWELL
RPV
DG OPER
SRV SHUT
MSIV SHUT
GROUP ISOL
DESIGN 14.9
PRESS 0.1 PSIG
OPER HI 1.7
PRESS 0.3 PSIG
OPER HI 90
TEMP 85 °F
OPER HI 140
TEMP 123 °F
SRV LIFT 1103
PRESS 0 PSIG
100% BPV 995
TRIP HI 51
LEVEL -233 IN
SCRAM LO 10
POWER 0 %
APRM DNSCL 5
RODS IN
OPER HI 20-- 0
LVL 19 FT 10 IN
OPER LO 19- 6
SUPPRESSION POOL
OPER HI 95
TEMP 92 °F
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 1145

921

RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG OPER

SRV SHUT

MSIV SHUT

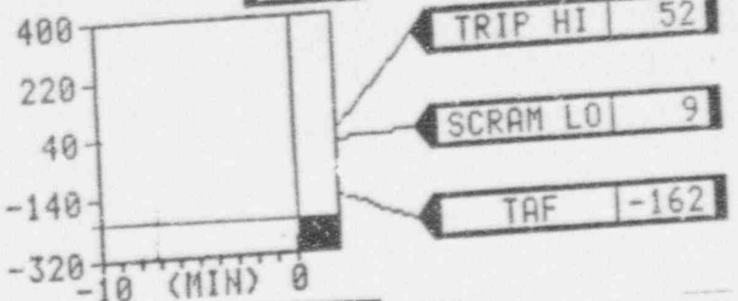
GROUP ISOL

RODS IN

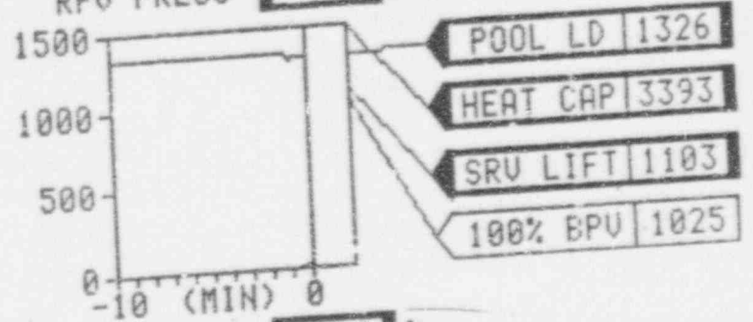
CNTMT NORMAL

RPV LEVEL -71 IN >TAF

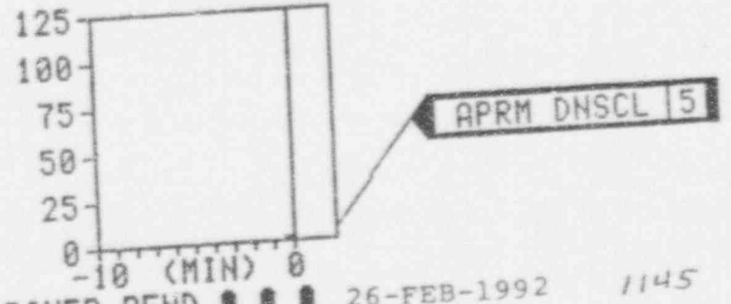
-233 IN



RPV PRESS 0 PSIG



RX POWER 0 %



RIVER BEND 26-FEB-1992 1145

030 RPV NORMAL

CONTAINMENT CONTROL--NR

POOL COOLING	CLG NA	PWR AVAIL	PMP OFF
DRYWELL COOLING	CLG AVAIL	PWR NA	FAN OFF
CNTMT COOLING	CLG AVAIL	PWR AVAIL	FAN RUN
PRESS CONTROL	VLV SHT	PWR AVAIL	FAN RUN
SBGT	VLV OPEN	PWR AVAIL	FAN RUN

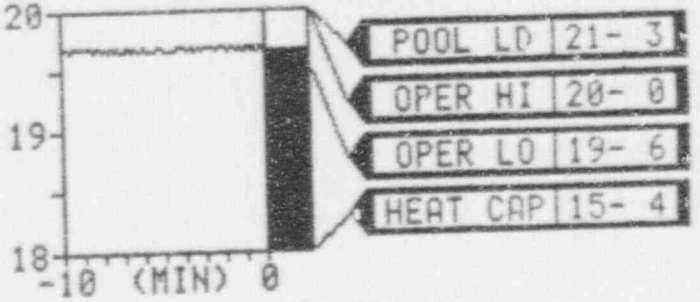
DG OPER

SRV SHUT

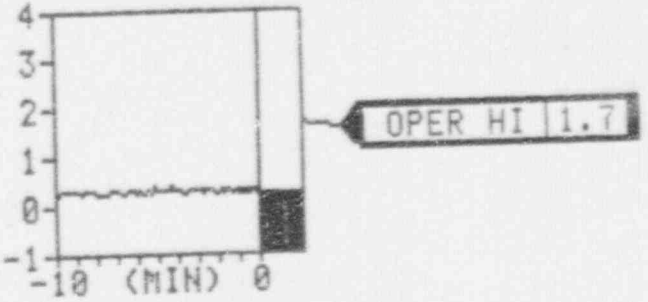
GROUP ISOL

RODS IN

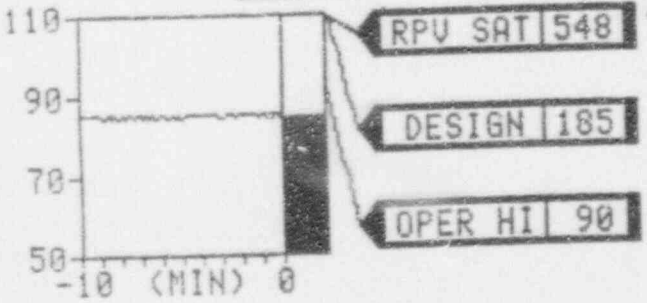
POOL LEVEL 19 FT 10 IN (RESCALE)



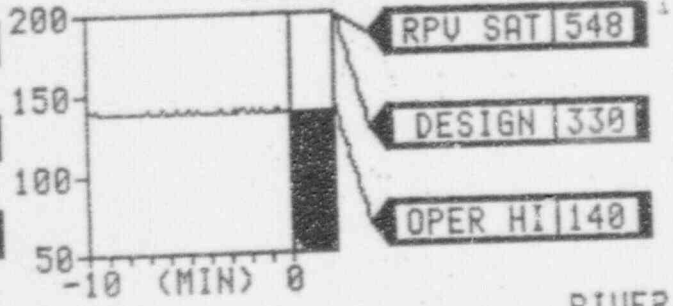
DW PRESS 0.3 PSIG



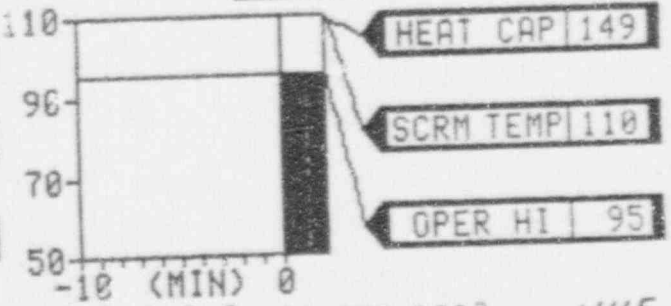
CNTMT TEMP 85 °F



DW TEMP 123 °F



POOL TEMP 92 °F



RIVER BEND 26-FEB-1992 1145

Clock Time = 1145
Scenario Time = 04/00

1992 EVALUATED EXERCISE
Message Number: 17

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	1000 R/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	2000 R/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	OSH mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	OSH mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	OSH mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	OSH mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	0.4 mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	2.0 mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	9.2 mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	0.3 mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	28 mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	0.4* mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	0.2* mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	0.5* mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	0.3* mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	50 mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	50 mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	

ID NUMBER	LOCATION (TYPE)	READING
RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	50 mR/hr
RE-195	Sample Sink Area F.B. 95' (ARM)	50 mR/hr
RE-196	Equip. Drain Sump F.B. 70' (ARM)	50 mR/hr
RE-200	North Hoist Area T.B. 123' (ARM)	20 mR/hr
RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	20 mR/hr
RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	20 mR/hr
RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	20 mR/hr
RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	20 mR/hr
RE-210	PASS Panel A.B. 114' (ARM)	50 mR/hr
RE-211	Control Rod Drive A.B. 95' (ARM)	50 mR/hr
RE-212	HPCS Area East A.B. 70' (ARM)	50 mR/hr
RE-213	RHR A Area West A.B. 70' (ARM)	50 mR/hr
RE-214	RHR B Area East A.B. 70' (ARM)	50 mR/hr
RE-215	RHR C Area A.B. 70' (ARM)	50 mR/hr
RE-216	LPCS Area West A.B. 70' (ARM)	50 mR/hr
RE-217	HPCS Penetration Area East A.B. 70' (ARM)	50 mR/hr
RE-218	LPCS Penetration Area West A.B. 70' (ARM)	50 mR/hr
RE-219	RCIC Area West A.B. 70' (ARM)	

Revision 1
12/20/91

- Indicates Alarming
OSH - Indicates Offscale High
All other ARMs are "as read"

* Note: Levels drop based on sump being pumped and contamination being washed down drain.

1992 EVALUATED EXERCISE

Message Number: 17

Clock Time = 1145

Scenario Time = 04/00

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec
1GE-125	Main Plant Exh. Duct (WRGM)	1.6E-04	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	1.6E-04	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	1.6E-04	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	7.0E+03	µCi/sec
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc
RE-118P	Turbine Bldg. Vent (PART)	1.0E-03	µCi/cc
RE-113G	Turbine Bldg. Vent (GAS)	3.0E-04	µCi/cc
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc
RE-126P	Main Plant Exh. Duct (PART)	5.1E-04	µCi/cc
RE-126G	Main Plant Exh. Duct (GAS)	1.6E-04	µCi/cc

ID NUMBER	LOCATION (TYPE)	READING	
RE-111P	Cont. Atmosphere (PART)	8.3E-07	µCi/cc
RE-111G	Cont. Atmosphere (GAS)	4.6E-05	µCi/cc
RE-112P	Drywell Atmosphere (PART)	5.6E-07	µCi/cc
RE-112G	Drywell Atmosphere (GAS)	3.0E-05	µCi/cc
RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
	Off Gas Pre-treatment Monitor	0	mR/hr
	Off Gas Post-treatment Monitor	0	cpm
	Main Steam Line Radiation Monitor	8000	mR/hr
	Main Steam Line Radiation Monitor	8000	mR/hr
	Main Steam Line Radiation Monitor	8000	mR/hr
	Main Steam Line Radiation Monitor	8000	mR/hr

[redacted] - Indicates Alarming

OSH - Indicates Offscale High

All other Process Monitors are "as read"

Revision 1
12/20/91

1992 EVALUATED EXERCISE

Message Number = 18

Clock Time = 1200

Scenario Time = 04:15

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Plant Status Update

1992 EVALUATED EXERCISE

Message Number = 13

Clock Time = 1200

Scenario Time = 04/15

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
The radioactive release to the environment continues.	Monitor the release.
	Continue efforts to restore electrical power and obtain a source of make-up water.
	Compare results of computer dose projections and field team results.

1992 EVALUATED EXERCISE
Message Number - 16

Rev. 1 - 12/20/91

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

Clock Time - 1200
Scenario Time - 04/15

PANEL 601/877

	Status	Press	Flow
RHR A	COS		0
RHR B	OOS		0
RHR C	OOS		0
LPCS	OOS		0
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	0
SLC B	LT ON	0	

	Press	Level	Range
RPV	0	-243	FZ

DIV I	DIESEL	OP
DIV II	DIESEL	OOS
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE

SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC,MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL -160 WR

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1F	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 808

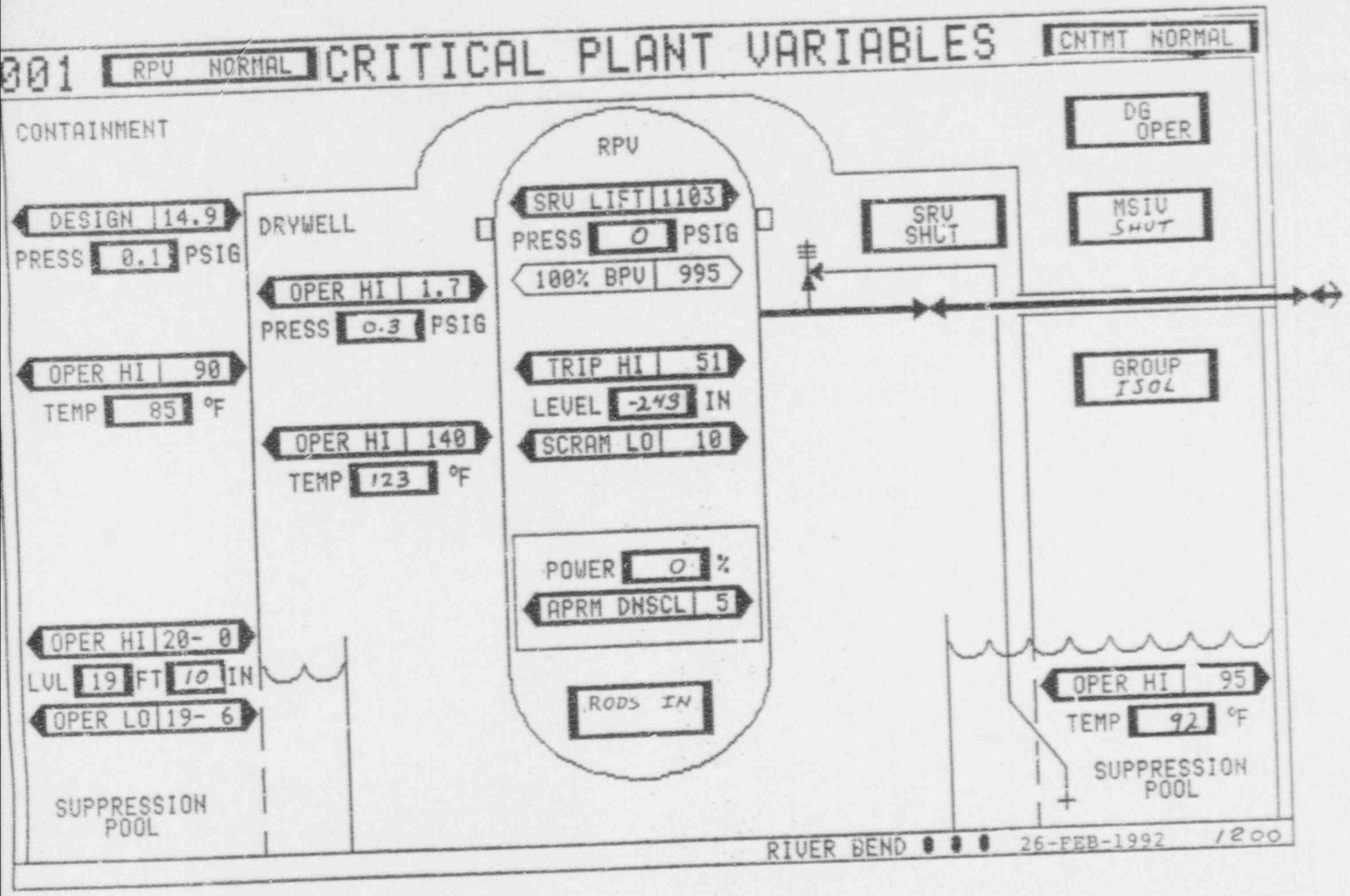
	Press	Temp	Level
DRYWELL	0.3	123°	
CTMT	0.1	85°	
SPR PL		92°	19'10"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OOS	SSW P2D	OOS

PANEL 863

SGTS A	OP	SGTS B	OOS
D/W COOLERS OPERATING			SS
CTMT COOLERS OPERATING			A


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
DRYWELL
RPV
DG OPER
SRV SHUT
MSIV SHUT
GROUP ISOL
DESIGN 14.9
PRESS 0.1 PSIG
OPER HI 1.7
PRESS 0.3 PSIG
OPER HI 90
TEMP 85 °F
OPER HI 140
TEMP 123 °F
SRV LIFT 1103
PRESS 0 PSIG
100% BPV 995
TRIP HI 51
LEVEL -243 IN
SCRAM LO 10
POWER 0 %
APRM DNSCL 5
RODS IN
OPER HI 20- 0
LVL 19 FT 10 IN
OPER LO 19- 6
SUPPRESSION POOL
OPER HI 95
TEMP 92 °F
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 1200

021

RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG OPER

SRV SHUT

MSIV SHUT

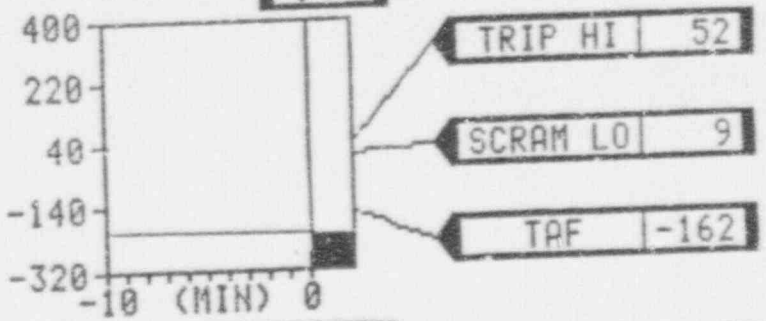
GROUP ISOL

RODS IN

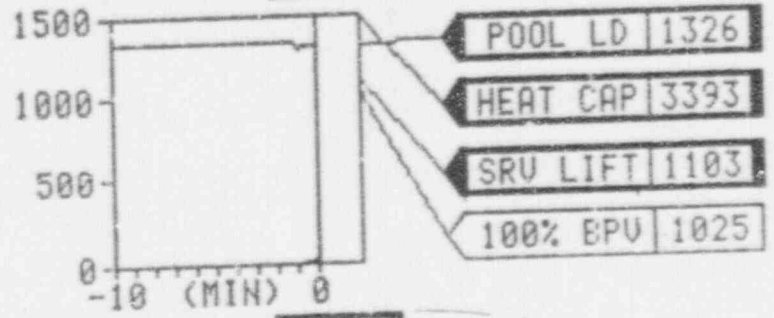
CNTMT NORMAL

RPV LEVEL -81 IN >TAF

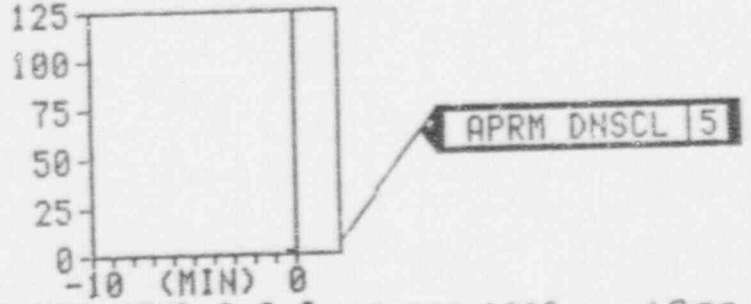
-243 IN



RPV PRESS 0 PSIG

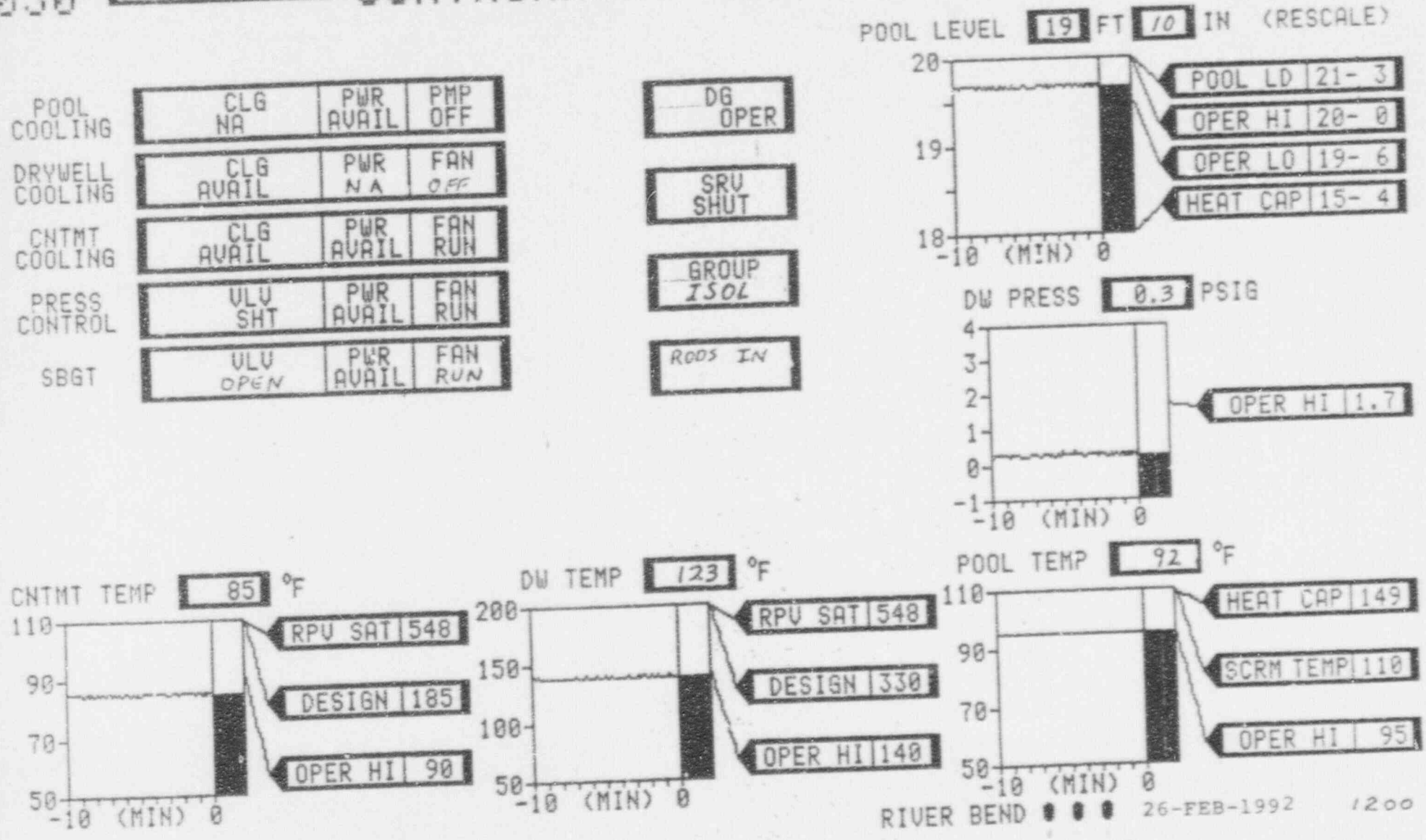


RX POWER 0 %



RIVER BEND 26-FEB-1992 /200

030 RPV NORMAL CONTAINMENT CONTROL--NR



1992 EVALUATED EXERCISE
Message Number: 18

Clock Time = 1200
Scenario Time = 04/15

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	1000 R/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	2000 R/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	OSH mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	OSH mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	OSH mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	OSH mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	0.4 mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	2.0 mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	9.2 mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	0.3 mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	28 mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	0.4* mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	0.2* mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	0.5* mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	0.3* mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	50 mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	50 mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	

ID NUMBER	LOCATION (TYPE)	READING
RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	50 mR/hr
RE-195	Sample Sink Area F.B. 95' (ARM)	50 mR/hr
RE-196	Equip. Drain Sump F.B. 70' (ARM)	50 mR/hr
RE-200	North Hoist Area T.B. 123' (ARM)	20 mR/hr
RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	20 mR/hr
RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	20 mR/hr
RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	20 mR/hr
RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	50 mR/hr
RE-210	PASS Panel A.B. 114' (ARM)	50 mR/hr
RE-211	Control Rod Drive A.B. 95' (ARM)	50 mR/hr
RE-212	HPCS Area East A.B. 70' (ARM)	50 mR/hr
RE-213	RHR A Area West A.B. 70' (ARM)	50 mR/hr
RE-214	RHR B Area East A.B. 70' (ARM)	50 mR/hr
RE-215	RHR C Area A.B. 70' (ARM)	50 mR/hr
RE-216	LPCS Area West A.B. 70' (ARM)	50 mR/hr
RE-217	HPCS Penetration Area East A.B. 70' (ARM)	50 mR/hr
RE-218	LPCS Penetration Area West A.B. 70' (ARM)	50 mR/hr
RE-219	RCIC Area West A.B. 70' (ARM)	

Revision 1
12/20/91

- Indicates Alarming
OSH - Indicates Offscale High
All other ARMs are "as read"

* Note: Levels drop based on sump being pumped and contamination being washed down drain.

1992 EVALUATED EXERCISE

Message Number: 18

Clock Time = 1200

Scenario Time = 04/15

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec
1GE-125	Main Plant Exh. Duct (WRGM)	OSH	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	OSH	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	2.9E-02	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	1.3E+06	µCi/sec
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc
RE-118P	Turbine Bldg. Vent (PART)	2.0E-01	µCi/cc
RE-118G	Turbine Bldg. Vent (GAS)	6.0E-02	µCi/cc
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc
RE-126P	Main Plant Exh. Duct (PART)	9.6E-02	µCi/cc
RE-126G	Main Plant Exh. Duct (GAS)	2.9E-02	µCi/cc

ID NUMBER	LOCATION (TYPE)	READING	
RE-111P	Cont. Atmosphere (PART)	8.3E-07	µCi/cc
RE-111G	Cont. Atmosphere (GAS)	4.6E-05	µCi/cc
RE-112P	Drywell Atmosphere (PART)	5.6E-07	µCi/cc
RE-112G	Drywell Atmosphere (GAS)	3.0E-05	µCi/cc
RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc

Off Gas Pre-treatment Monitor	0	mR/hr
Off Gas Post-treatment Monitor	0	cpm
Main Steam Line Radiation Monitor	8000	mR/hr
Main Steam Line Radiation Monitor	8000	mR/hr
Main Steam Line Radiation Monitor	8000	mR/hr
Main Steam Line Radiation Monitor	8000	mR/hr

- Indicates Alarming
OSH - Indicates Offscale High
All other Process Monitors are "as read"

Revision 1
12/20/91

1992 EVALUATED EXERCISE

Message Number = 19

Clock Time = 1215

Scenario Time = 04/30

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Plant Status Update

1992 EVALUATED EXERCISE

Message Number = 19

Clock Time = 1215

Scenario Time = 04/30

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
The radioactive release to the environment continues.	Monitor the release.
	Continue efforts to restore electrical power and obtain a source of make-up water.
	Compare results of computer dose projections and field team results.

1992 EVALUATED EXERCISE
Message Number - 19

Rev. 1 - 12/20/91

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

Clock Time - 1215
Scenario Time - 04/30

PANEL 601/877

	Status	Press	Flow
RHR A	OOS		0
RHR B	OOS		0
RHR C	OOS		0
LPCS	OOS		0
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	0	-251	FZ

DIV I	DIESEL	OP
DIV II	DIESEL	OOS
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC.MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	[illegible]	ON	OFF
F051C	[illegible]	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL -160 WR

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1B	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 808

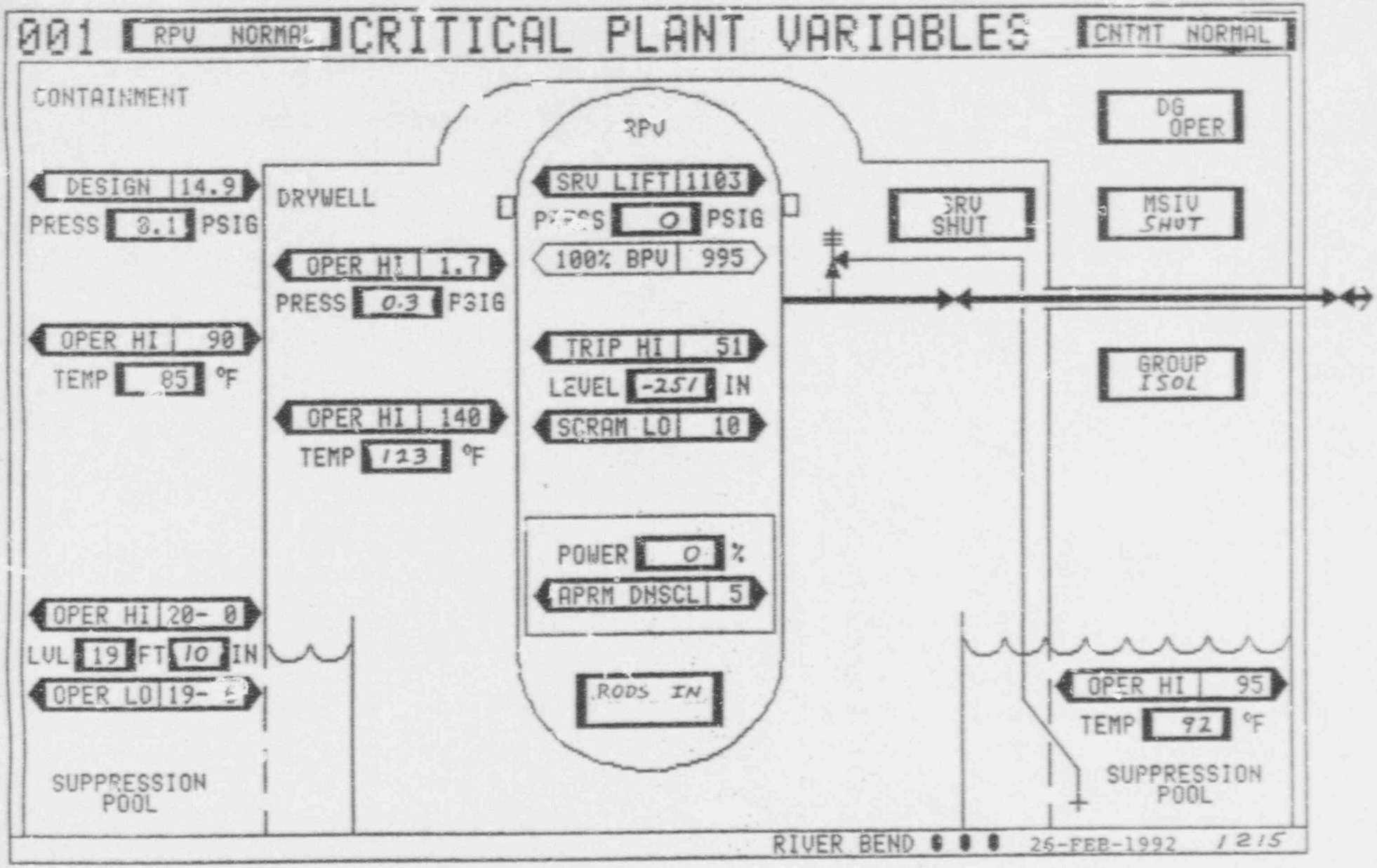
	Press	Temp	Level
DRYWELL	0.3	123°	
CTMT	0.1	85°	
SPR PL		92°	19'10"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OOS	SSW P2D	OOS

PANEL 863

SGTS A	OP	SGTS B	OOS
D/W COOLERS OPERATING			SS
CTMT COOLERS OPERATING			A


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
DRYWELL
RPV
DG OPER
DESIGN 14.9
PRESS 3.1 PSIG
SRV LIFT 1103
PRESS 0 PSIG
100% BPV 995
SRV SHUT
MSIV SHUT
OPER HI 1.7
PRESS 0.3 PSIG
OPER HI 90
TEMP 85 °F
TRIP HI 51
LEVEL -251 IN
GROUP ISOL
OPER HI 140
TEMP 123 °F
SCRAM LO 10
POWER 0 %
APRM DNSCL 5
OPER HI 20- 0
LVL 19 FT 10 IN
OPER LO 19- 5
RODS IN
OPER HI 95
TEMP 92 °F
SUPPRESSION POOL
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 1215

021

RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG OPER

SRV SHUT

MSIV SHUT

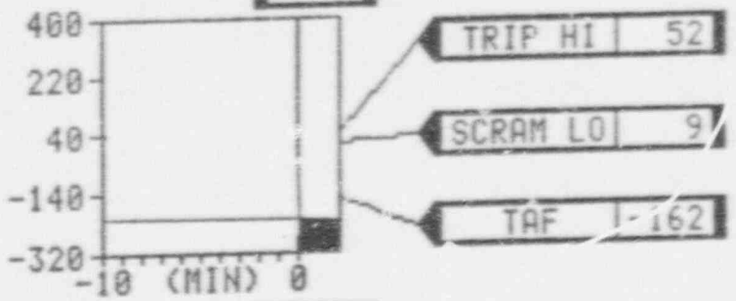
GROUP ISOL

RODS IN

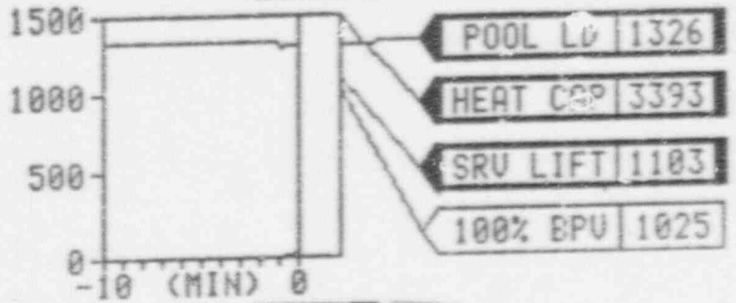
CNTMT NORMAL

RPV LEVEL -31 IN >TAF

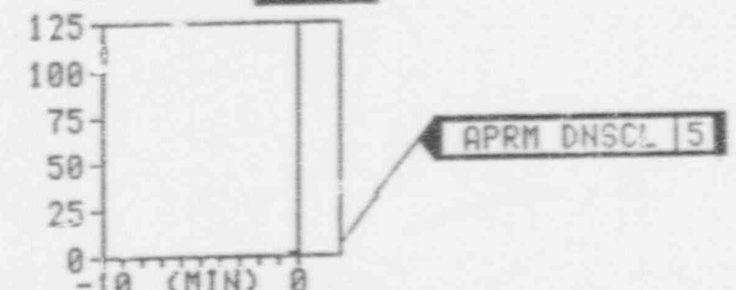
-251 IN



RPV PRESS 0 PSIG



RX POWER 0 %



RIVER BEND 26-FEB-1992 12/5

030 RPV NORMAL CONTAINMENT CONTROL--NR

POOL COOLING	CLG NA	PWR AVAIL	PMP OFF
DRYWELL COOLING	CLG AVAIL	PWR NA	FAN OFF
CNTMT COOLING	CLG AVAIL	PWR AVAIL	FAN RUN
PRESS CONTROL	VLV SHT	PWR AVAIL	FAN RUN
SBGT	VLV OPEN	PWR AVAIL	FAN RUN

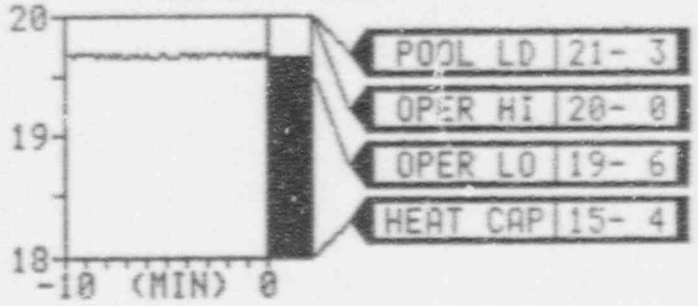
DG OPER

SRV SHUT

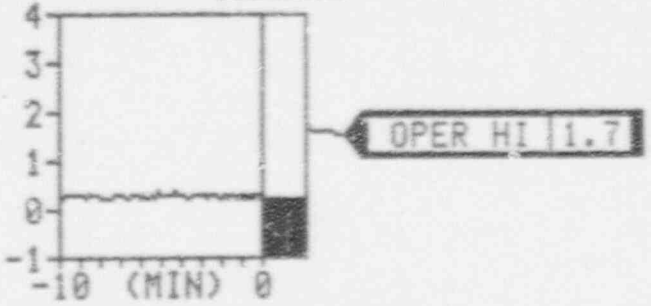
GROUP ISOL

RODS IN

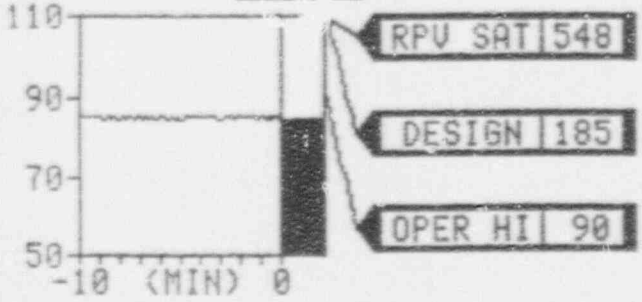
POOL LEVEL 19 FT 10 IN (RESCALE)



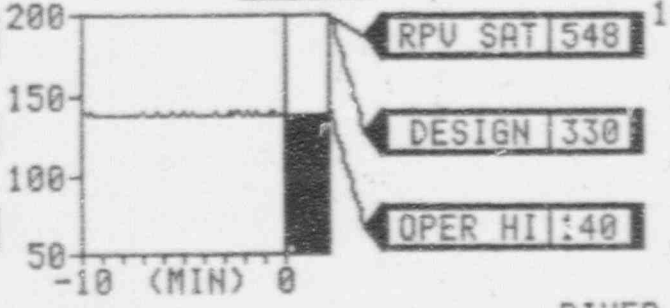
DW PRESS 0.3 PSIG



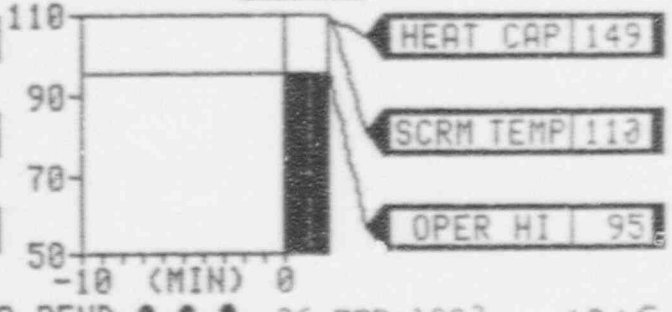
CNTMT TEMP 85 °F



DW TEMP 123 °F



POOL TEMP 92 °F



RIVER BEND 26-FEB-1992 12/5

1992 EVALUATED EXERCISE
Message Number: 19

Clock Time = 1215
Scenario Time = 04/30

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING	ID NUMBER	LOCATION (TYPE)	READING
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	10 0 R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	50 mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	2000 R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	50 mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	OSH mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	50 mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	OSH mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	20 mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	OSH mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	20 mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	OSH mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	20 mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	OSH mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	20 mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4 mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	20 mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0 mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	50 mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2 mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	50 mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3 mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	50 mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28 mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	50 mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	0.4* mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	50 mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	0.2* mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	50 mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	0.5* mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	50 mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	0.3* mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	50 mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	50 mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	50 mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	50 mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	50 mR/hr

- Indicates Alarming
OSH - Indicates Offscale High
All other ARMs are "as read"

Revision 1
12/20/91

* Note: Levels drop based on sump being pumped and contamination being washed down drain.

1992 EVALUATED EXERCISE

Message Number: 19

Clock Time = 1215

Scenario Time = 04/30

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec
1GE-125	Main Plant Exh. Duct (WRGM)	OSH	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	OSH	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	2.2E-02	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	1.0E+06	µCi/sec
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc
RE-118P	Turbine Bldg. Vent (PART)	1.4E-01	µCi/cc
RE-118G	Turbine Bldg. Vent (GAS)	4.4E-02	µCi/cc
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc
RE-126P	Main Plant Exh. Duct (PART)	7.4E-02	µCi/cc
RE-126G	Main Plant Exh. Duct (GAS)	2.2E-02	µCi/cc

ID NUMBER	LOCATION (TYPE)	READING	
RE-111P	Cont. Atmosphere (PART)	8.2E-07	µCi/cc
RE-111G	Cont. Atmosphere (GAS)	4.5E-05	µCi/cc
RE-112P	Drywell Atmosphere (PART)	5.5E-07	µCi/cc
RE-112G	Drywell Atmosphere (GAS)	3.0E-05	µCi/cc
RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
	Off Gas Pre-treatment Monitor	0	mR/hr
	Off Gas Post-treatment Monitor	0	cpm
	Main Steam Line Radiation Monitor	8000	mR/hr
	Main Steam Line Radiation Monitor	8000	mR/hr
	Main Steam Line Radiation Monitor	8000	mR/hr
	Main Steam Line Radiation Monitor	8000	mR/hr

- Indicates Alarming

OSH - Indicates Offscale High

All other Process Monitors are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number = 20

Clock Time = 1230

Scenario Time = 04/45

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Plant Status Update

1992 EVALUATED EXERCISE

Message Number = 20

Clock Time = 1230

Scenario Time = 04/45

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
The radioactive release to the environment continues.	Monitor the release.
	Continue efforts to restore electrical power and obtain a source of make-up water.
	Compare results of computer dose projections and field team results.

1992 EVALUATED EXERCISE
Message Number - 20

Rev. 1 - 12/20/91

Clock Time - 1230
Scenario Time - 04/45

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

PANEL 601/877

	Status	Press	Flow
RHR A	OOS		0
RHR B	OOS		0
RHR C	OOS		0
LPCS	OOS		0
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	0	-259	FZ

DIV I	DIESEL	OP
DIV II	DIESEL	OOS
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC.MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL -160 WR

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1B	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 808

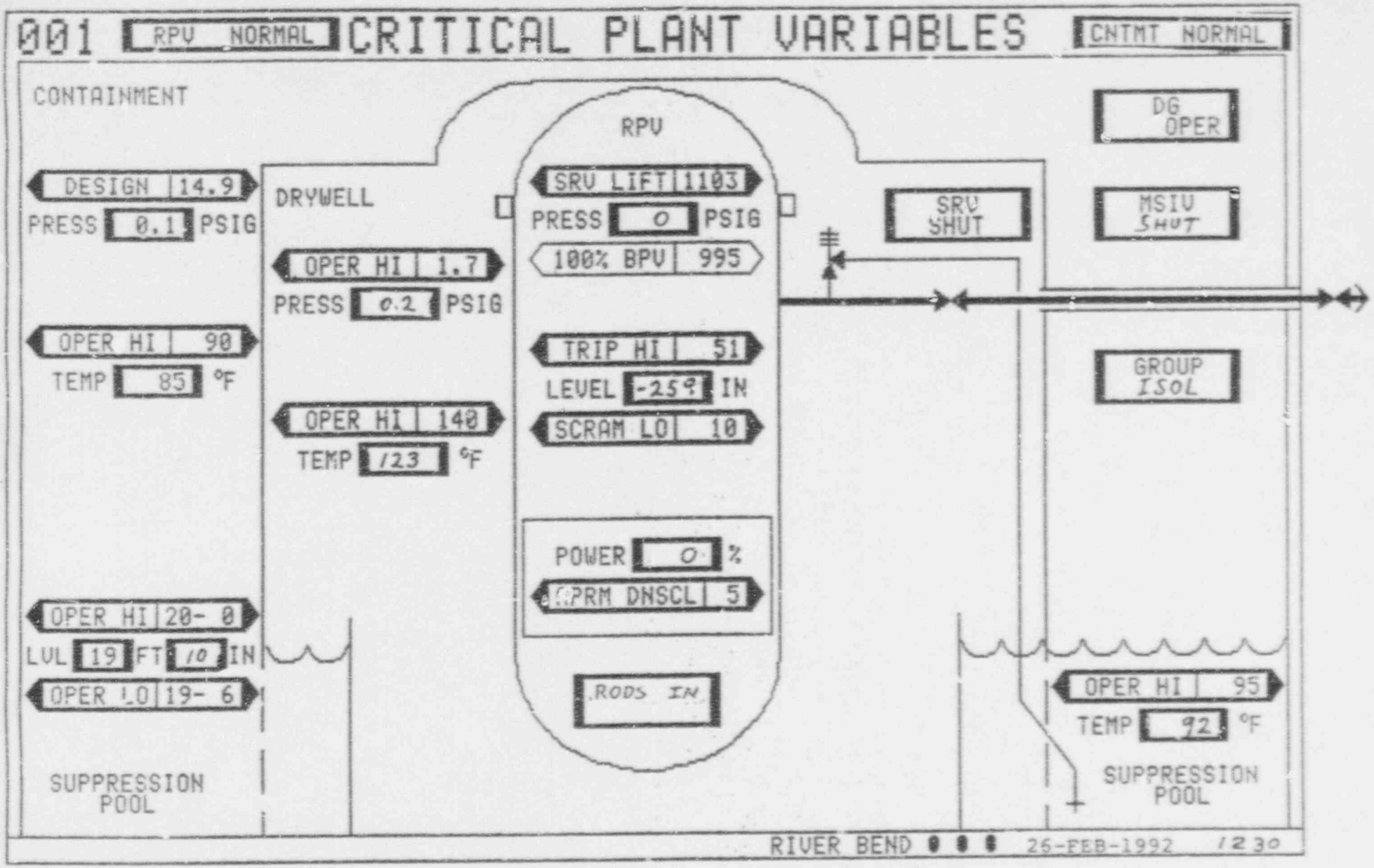
	Press	Temp	Level
DRYWELL	0.3	123°	
CTMT	0.1	85°	
SPR PL		92°	19'10"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OOS	SSW P2D	OOS

PANEL 863

SGTS A	OP	SGTS B	OOS
D/W COOLERS OPERATING			SS
CTMT COOLERS OPERATING			A


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
DRYWELL
RPV
DG OPER
DESIGN 14.9
PRESS 0.1 PSIG
SRV LIFT 1103
PRESS 0 PSIG
100% BPV 995
SRV SHUT
MSIV SHUT
OPER HI 1.7
PRESS 0.2 PSIG
OPER HI 90
TEMP 85 °F
TRIP HI 51
LEVEL -259 IN
GROUP ISOL
OPER HI 140
TEMP 123 °F
SCRAM LO 10
POWER 0 %
APRM DNSCL 5
OPER HI 20- 0
LVL 19 FT 10 IN
OPER LO 19- 6
RODS IN
OPER HI 95
TEMP 92 °F
SUPPRESSION POOL
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 1230

021 RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG OPER

SRV SHUT

MSIV SHUT

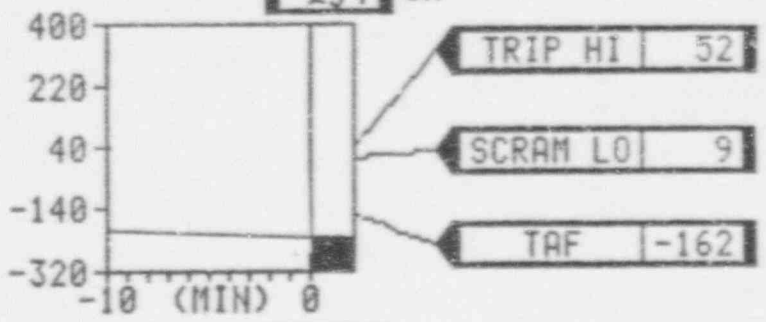
GROUP ISOL

ROOS IN

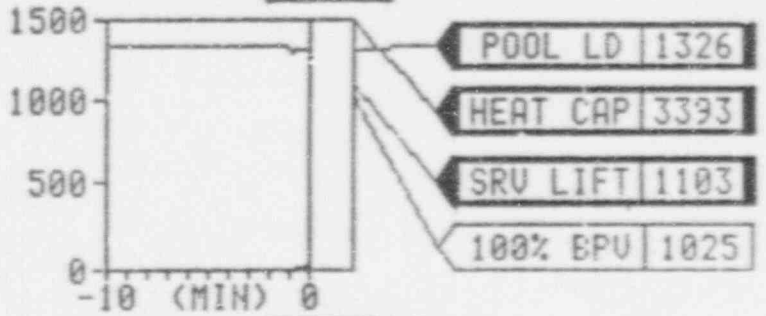
CNTMT NORMAL

RPV LEVEL -97 IN >TAF

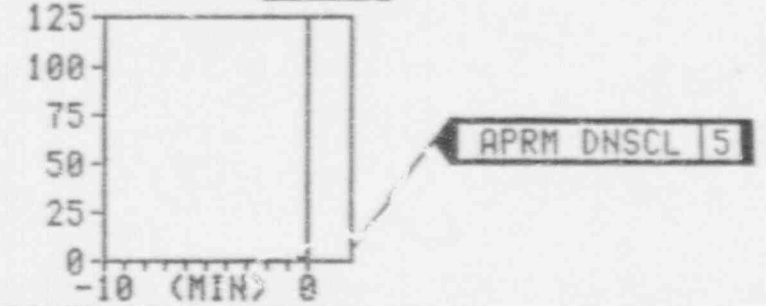
-259 IN



RPV PRESS 0 PSIG



RX POWER 0 %



RIVER BEND 26-FEB-1992 /230

030 RPV NORMAL CONTAINMENT CONTROL--NR

POOL COOLING	CLG NA	PWR AVAIL	PMP OFF
DRYWELL COOLING	CLG AVAIL	PWR NA	FAN OFF
CNTMT COOLING	CLG AVAIL	PWR AVAIL	FAN RUN
PRESS CONTROL	VLV SHT	PWR AVAIL	FAN RUN
SBGT	VLV OPEN	PWR AVAIL	FAN RUN

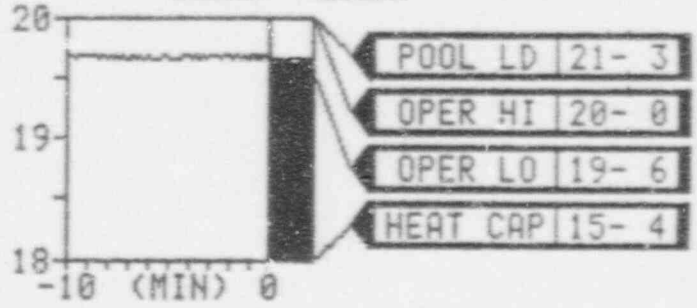
DG OPER

SRV SHUT

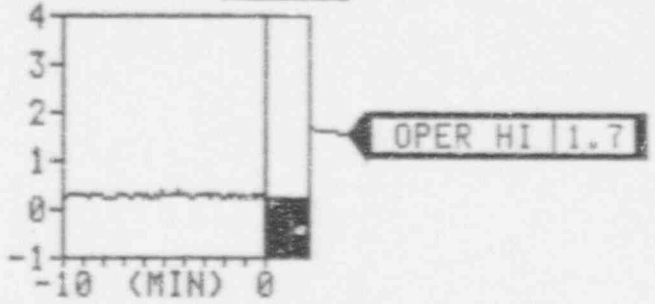
GROUP ISOL

RODS IN

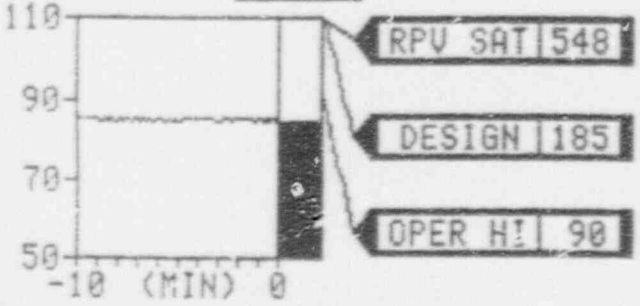
POOL LEVEL 19 FT 10 IN (RESCALE)



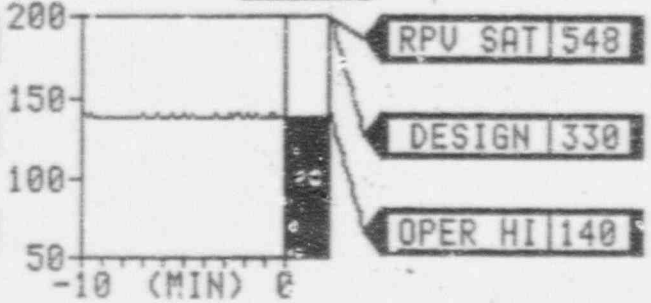
DW PRESS 0.3 PSIG



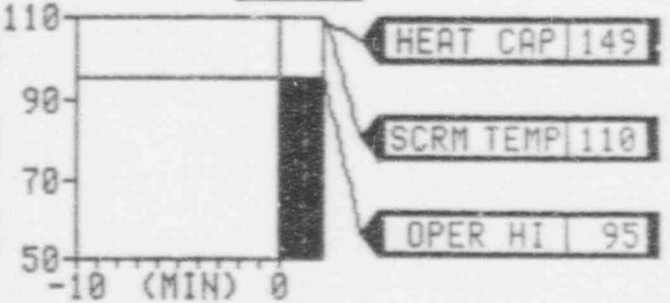
CNTMT TEMP 85 °F



DW TEMP 123 °F



POOL TEMP 92 °F



RIVER BEND 26-FEB-1992 1230

1992 EVALUATED EXERCISE
Message Number: 20

Clock Time = 1230
Scenario Time = 04/45

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING	ID NUMBER	LOCATION (TYPE)	READING
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	1000 R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	50 mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	2000 R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	50 mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	OSH mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	50 mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	OSH mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	20 mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	OSH mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	20 mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	OSH mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	20 mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	OSH mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	20 mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4 mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	20 mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0 mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	50 mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2 mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	50 mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3 mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	50 mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28 mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	50 mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	0.4* mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	50 mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	0.2* mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	50 mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	0.5* mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	50 mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	0.3* mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	50 mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	50 mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	50 mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	50 mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	50 mR/hr

- Indicates Alarming
OSH - Indicates Offscale High
All other ARMs are "as read"

Revision 1
12/20/91

* Note: Levels drop based on sump being pumped and contamination being washed down drain.

1992 EVALUATED EXERCISE

Message Number: 20

Clock Time = 1230

Scenario Time = 04/45

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	8.1E-07	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	4.5E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	5.5E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	3.0E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	OSH	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	OSH	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	1.7E-02	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	7.5E+05	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	1.0E-01	µCi/cc	Off Gas Pre-treatment Monitor		0	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	3.4E-02	µCi/cc	Off Gas Post-treatment Monitor		0	cpm
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc	Main Steam Line Radiation Monitor		8000	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc	Main Steam Line Radiation Monitor		8000	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	5.6E-02	µCi/cc	Main Steam Line Radiation Monitor		8000	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	1.7E-02	µCi/cc	Main Steam Line Radiation Monitor		8000	mR/hr

- Indicates Alarming

OSH - Indicates Offscale High

All other Process Monitors are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number = 21

Clock Time = 1245

Scenario Time = 05/00

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Plant Status Update

1992 EVALUATED EXERCISE

Message Number = 21

Clock Time = 1245

Scenario Time = 05/00

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
The radioactive release to the environment continues.	Monitor the release.
	Continue efforts to restore electrical power and obtain a source of make-up water.
	Compare results of computer dose projections and field team results.

1992 EVALUATED EXERCISE
Message Number - 21

Rev. 1 - 12/20/91

Clock Time - 1245
Scenario Time - 05/00

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

PANEL 601/877

	Status	Press	Flow
RHR A	OOS		0
RHR B	OOS		0
RHR C	OOS		0
LPCS	OOS		0
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	0	-267	FZ

DIV I	DIESEL	OP
DIV II	DIESEL	OOS
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC,MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL -160 WR

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1B	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 808

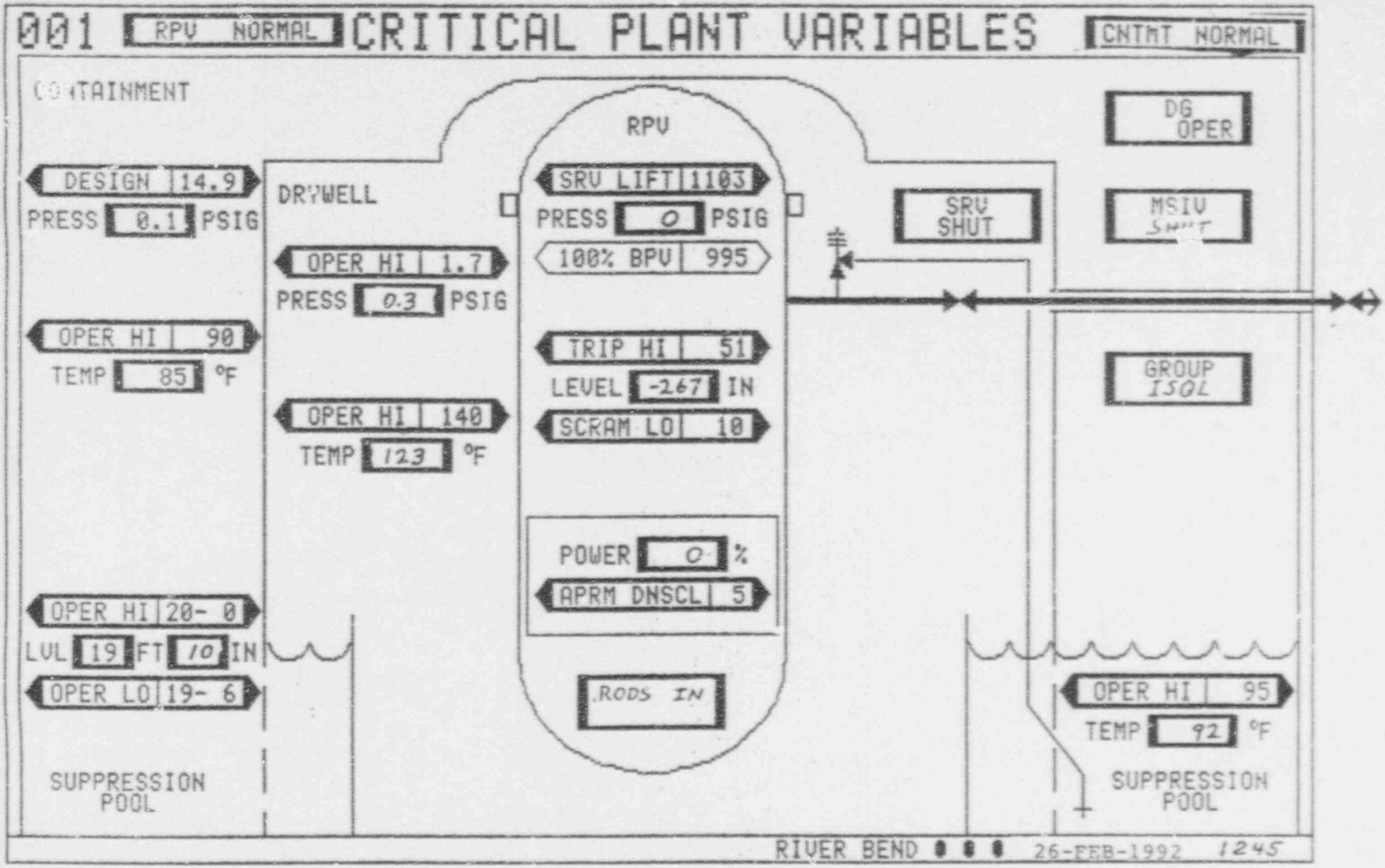
	Press	Temp	Level
DRYWELL	0.3	123°	
CTMT	0.1	85°	
SPR PL		92°	19'10"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OOS	SSW P2D	OOS

PANEL 863

SGTS A	OP	SGTS B	OOS
D/W COOLERS OPERATING			SS
CTMT COOLERS OPERATING			A


001 RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
DESIGN 14.9
PRESS 0.1 PSIG
OPER HI 90
TEMP 85 °F
OPER HI 20- 0
LVL 19 FT 10 IN
OPER LO 19- 6
SUPPRESSION POOL
DRYWELL
OPER HI 1.7
PRESS 0.3 PSIG
OPER HI 140
TEMP 123 °F
RPV
SRV LIFT 1103
PRESS 0 PSIG
100% BPV 995
TRIP HI 51
LEVEL -267 IN
SCRAM LO 10
POWER 0 %
APRM DNSCL 5
RODS IN
SRV SHUT
DG OPER
MSIV SHUT
GROUP ISOL
OPER HI 95
TEMP 92 °F
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 1245

021 RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

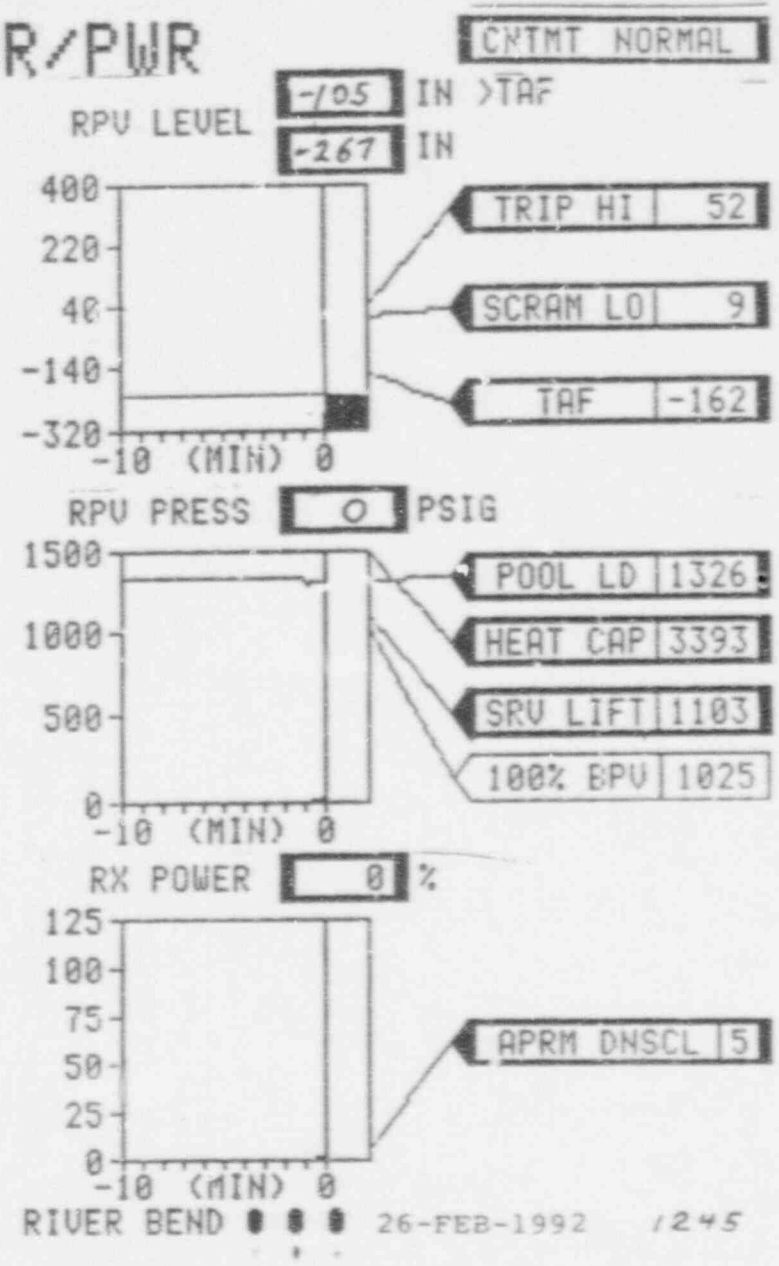
DG OPER

SRV SHUT

MSIV SHUT

GROUP ISOL

RODS IN



030 RPV NORMAL CONTAINMENT CONTROL--NR

POOL COOLING	CLG NA	PWR AVAIL	PMP OFF
DRYWELL COOLING	CLG AVAIL	PWR NA	FAN OFF
CNTMT COOLING	CLG AVAIL	PWR AVAIL	FAN RUN
PRESS CONTROL	VLV SHT	PWR AVAIL	FAN RUN
SBGT	VLV OPEN	PWR AVAIL	FAN RUN

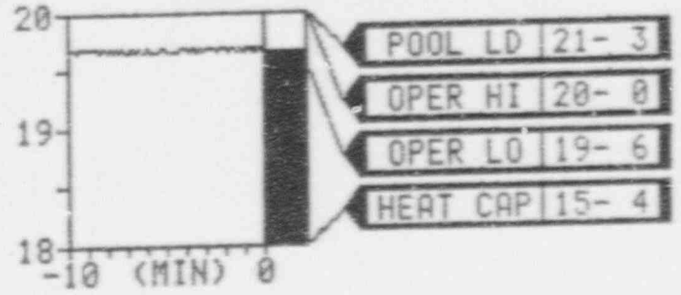
DG OPER

SRV SHUT

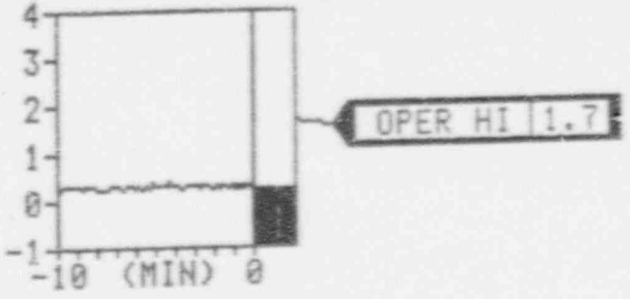
GROUP ISOL

RODS IN

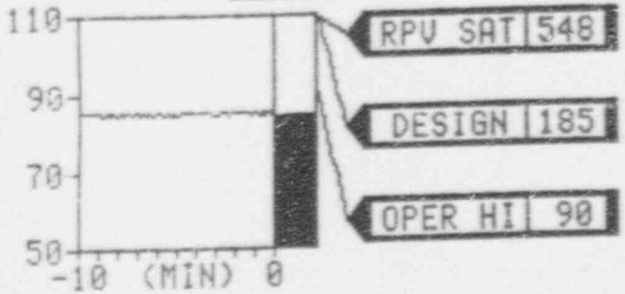
POOL LEVEL 19 FT 10 IN (RESCALE)



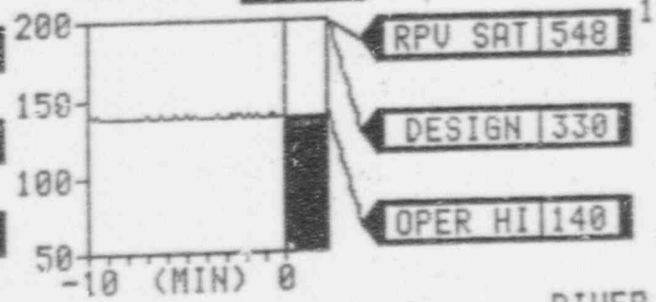
DW PRESS 0.3 PSIG



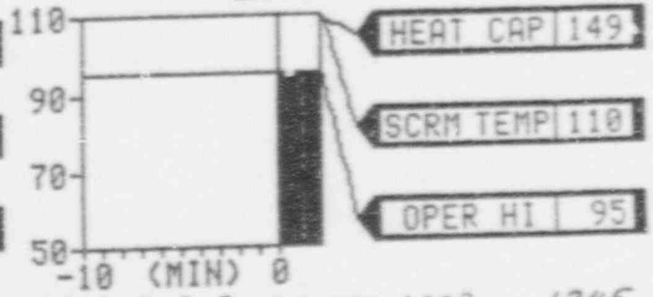
CNTMT TEMP 85 °F



DW TEMP 123 °F



POOL TEMP 92 °F



RIVER BEND 26-FEB-1992 1245

1992 EVALUATED EXERCISE
Message Number: 21

Clock Time = 1245
Scenario Time = 05/00

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING	ID NUMBER	LOCATION (TYPE)	READING
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	1000 R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	50 mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	2000 R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	50 mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	OSH mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	50 mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	OSH mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	20 mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	OSH mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	20 mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	OSH mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	20 mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	OSH mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	20 mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4 mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	20 mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0 mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	50 mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2 mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	50 mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3 mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	50 mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28 mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	50 mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	0.4* mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	50 mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	0.2* mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	50 mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	0.5* mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	50 mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	0.3* mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	50 mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	50 mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	50 mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	50 mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	50 mR/hr

- Indicates Alarming
OSH - Indicates Offscale High
All other ARMs are "as read"

Revision 1
12/20/91

* **Note: Levels drop based on sump being pumped and contamination being washed down drain.**

1992 EVALUATED EXERCISE

Message Number: 21

Clock Time = 1245

Scenario Time = 05/00

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	8.0E-07	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	4.4E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	5.4E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	3.0E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	8.9E-03	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	8.9E-03	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	8.9E-03	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	4.0E+05	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	6.0E-02	µCi/cc	Off Gas Pre-treatment Monitor		0	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	1.8E-02	µCi/cc	Off Gas Post-treatment Monitor		0	cpm
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc	Main Steam Line Radiation Monitor		8000	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc	Main Steam Line Radiation Monitor		8000	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	2.9E-02	µCi/cc	Main Steam Line Radiation Monitor		8000	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	8.9E-03	µCi/cc	Main Steam Line Radiation Monitor		8000	mR/hr

Shaded - Indicates Alarming

OSH - Indicates Offscale High

All other Process Monitors are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number = 22

Clock Time = 1300

Scenario Time = 05/15

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Plant Status Update

1992 EVALUATED EXERCISE

Message Number = 22

Clock Time = 1300

Scenario Time = 05/15

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
The radioactive release to the environment continues.	Monitor the release.
	Continue efforts to restore electrical power and obtain a source of make-up water.
	Compare results of computer dose projections and field team results.

1992 EVALUATED EXERCISE
Message Number - 22

Rev. 1 - 12/20/91

Clock Time - 1300
Scenario Time - 05/15

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

PANEL 601/877

	Status	Press	Flow
RHR A	OOS		0
RHR B	OOS		0
RHR C	OOS		0
LPCS	OOS		0
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	0	-274	FZ

DIV I	DIESEL	OP
DIV II	DIESEL	OOS
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC.MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	[illegible]
F051D	OFF	ON	
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL -160 WR

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1B	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 808

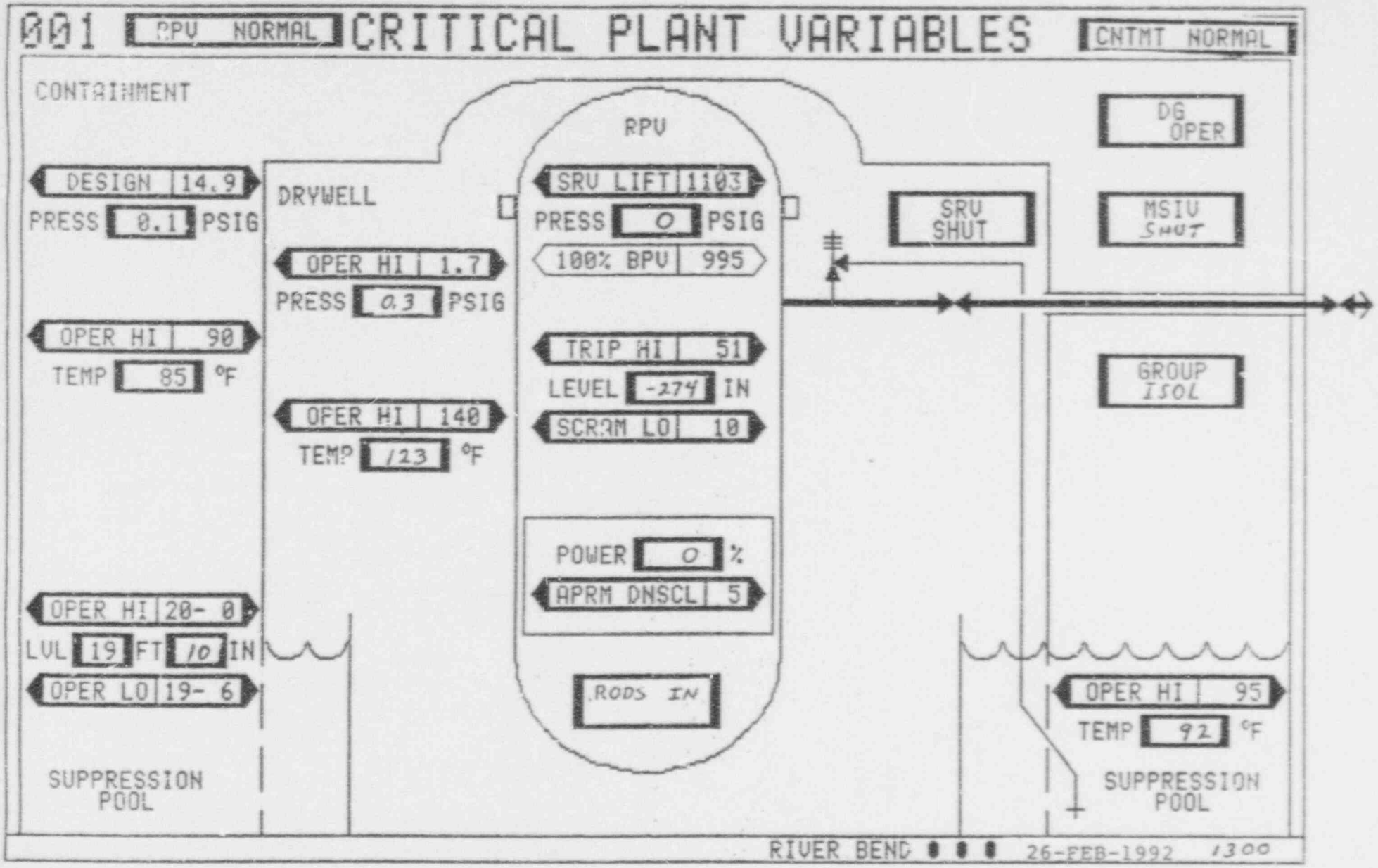
	Press	Temp	Level
DRYWELL	0.3	123°	
CTMT	0.1	85°	
SPR PL		92°	19'10"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OOS	SSW P2D	OOS

PANEL 863

SGTS A	OP	SGTS B	OOS
D/W COOLERS OPERATING			SS
CTMT COOLERS OPERATING			A


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
RPV
DRYWELL
DESIGN 14.9
PRESS 0.1 PSIG
OPER HI 1.7
PRESS 0.3 PSIG
OPER HI 90
TEMP 85 °F
OPER HI 140
TEMP 123 °F
SRV LIFT 1103
PRESS 0 PSIG
100% BPV 995
TRIP HI 51
LEVEL -274 IN
SCRAM LO 10
POWER 0 %
APRM DNSCL 5
RODS IN
OPER HI 20- 0
LVL 19 FT 10 IN
OPER LO 19- 6
SUPPRESSION POOL
DG OPER
SRV SHUT
MSIV SHUT
GROUP ISOL
OPER HI 95
TEMP 92 °F
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 1300

021 RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

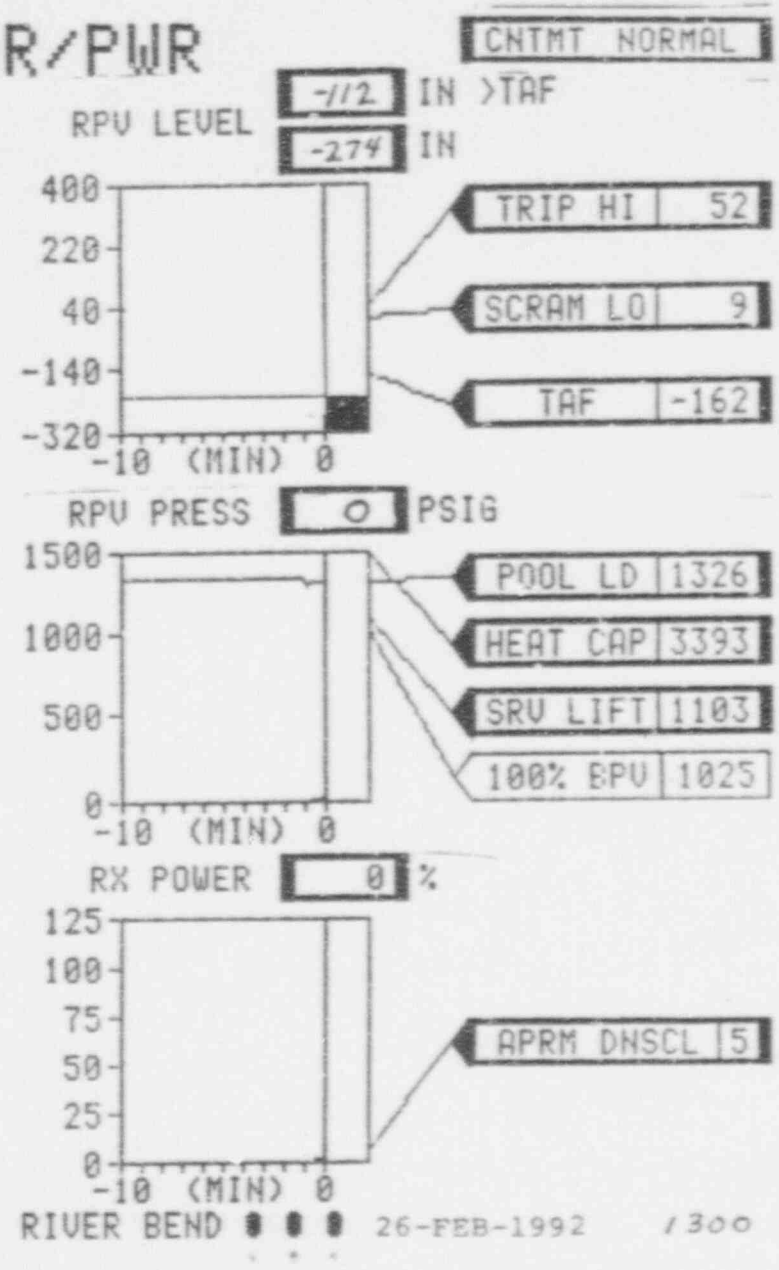
DG OPER

SRV SHUT

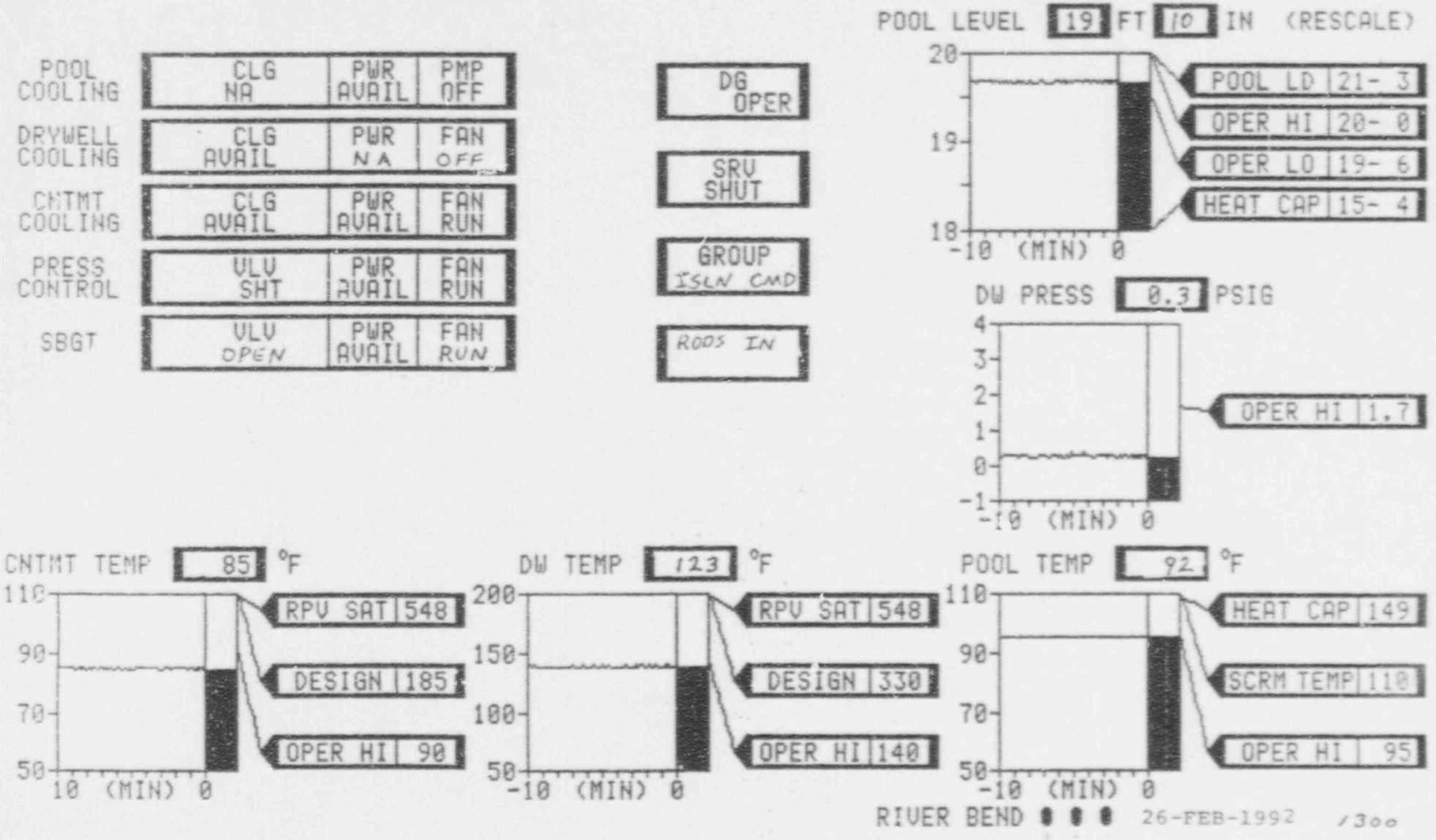
MSIV SHUT

GROUP ISOL

RODS IN



030 RPV NORMAL CONTAINMENT CONTROL--NR



1992 EVALUATED EXERCISE
Message Number: 22

Clock Time = 1300
Scenario Time = 05/15

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING	ID NUMBER	LOCATION (TYPE)	READING
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	1000 R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	50 mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	2000 R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	50 mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	OSH mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	50 mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	OSH mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	20 mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	OSH mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	20 mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	OSH mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	20 mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	OSH mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	20 mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4 mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	20 mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0 mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	50 mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2 mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	50 mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3 mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	50 mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28 mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	50 mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	0.1* mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	50 mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	0.2* mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	50 mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	0.5* mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	50 mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	0.3* mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	50 mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	50 mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	50 mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	50 mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	50 mR/hr

- Indicates Alarming
OSH - Indicates Offscale High
All other ARMs are "as read"

Revision 1
12/20/91

* Note: Levels drop based on sump being pumped and contamination being washed down drain.

1992 EVALUATED EXERCISE

Message Number: 22

Clock Time = 1300

Scenario Time = 05/15

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	7.9E-07	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	4.4E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	5.4E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	2.9E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	4.5E-03	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	4.5E-03	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	4.5E-03	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	2.0E+05	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	3.0E-02	µCi/cc	Off Gas Pre-treatment Monitor		0	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	9.0E-03	µCi/cc	Off Gas Post-treatment Monitor		0	cpm
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc	Main Steam Line Radiation Monitor		8000	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc	Main Steam Line Radiation Monitor		8000	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	1.5E-02	µCi/cc	Main Steam Line Radiation Monitor		8000	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	4.5E-03	µCi/cc	Main Steam Line Radiation Monitor		8000	mR/hr

- Indicates Alarming

OSH - Indicates Offscale High

All other Process Monitors are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number = 23

Clock Time : 1315

Scenario Time : 05/30

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Plant Status Update

Rev. 1 - 12/20/91

1992 EVALUATED EXERCISE
Message Number = 23

Clock Time = 1315
Scenario Time = 05/30

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
The radioactive release to the environment continues.	Monitor the release.
Note: Repairs to the Div II Diesel Generator and repowering of the 1ENS*SWG1B Bus must be completed prior to 1330.	Continue efforts to restore electrical power and obtain a source of make-up water.
	Compare results of computer dose projections and field team results.

1992 EVALUATED EXERCISE
Message Number - 23

Rev. 1 - 12/20/91

Clock Time - 1315
Scenario Time - 05/30

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

PANEL 601/877

	Status	Press	Flow
RHR A	OOS		0
RHR B	OOS		0
RHR C	OOS		0
LPCS	OOS		0
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	0	-281	FZ

DIV I	DIESEL	OP
DIV II	DIESEL	OOS
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC.MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL -160 WR

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1B	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 808

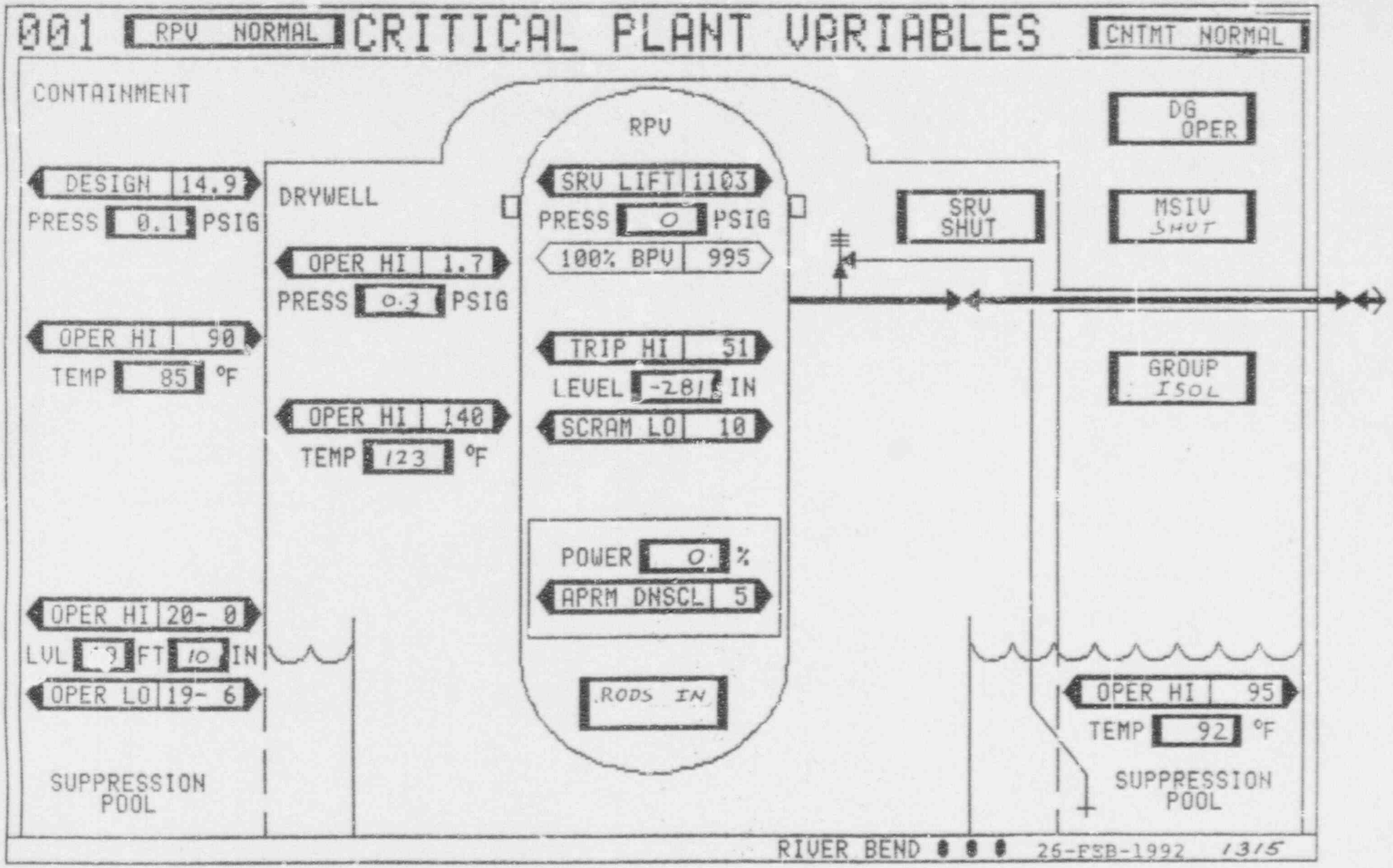
	Press	Temp	Level
DRYWELL	0.3	123°	
CTMT	0.1	85°	
SPR PL		92°	19'10"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OOS	SSW P2D	OOS

PANEL 863

SGTS A	OP	SGTS B	OOS
D/W COOLERS OPERATING			SS
CTMT COOLERS OPERATING			A


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
RPV
DRYWELL
DESIGN 14.9
PRESS 0.1 PSIG
OPER HI 1.7
PRESS 0.3 PSIG
OPER HI 90
TEMP 85 °F
OPER HI 140
TEMP 123 °F
SRV LIFT 1103
PRESS 0 PSIG
100% BPV 995
TRIP HI 51
LEVEL -281 IN
SCRAM LO 10
POWER 0 %
APRM DNSCL 5
RODS IN
OPER HI 20- 0
LVL 9 FT 10 IN
OPER LO 19- 6
SUPPRESSION POOL
DG OPER
SRV SHUT
MSIV SHUT
GROUP ISOL
OPER HI 95
TEMP 92 °F
SUPPRESSION POOL
RIVER BEND
25-FEB-1992 1315

021

RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG OPER

SRV SHUT

MSIV SHUT

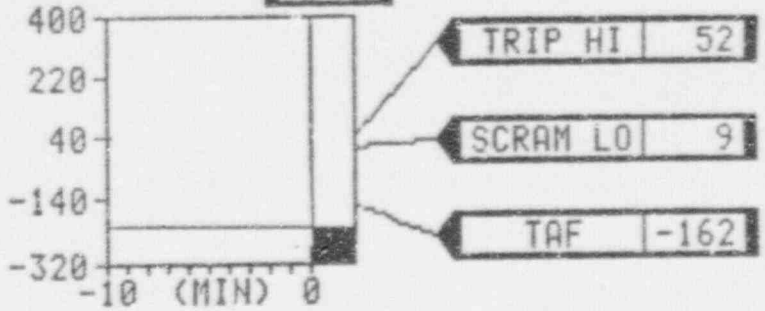
GROUP ISOL

RODS IN

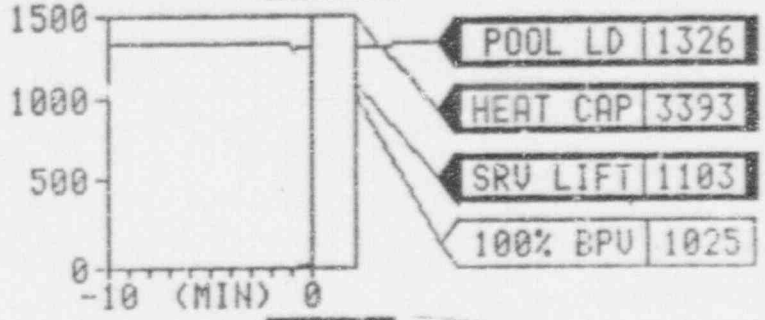
CNTMT NORMAL

RPV LEVEL -119 IN >TAF

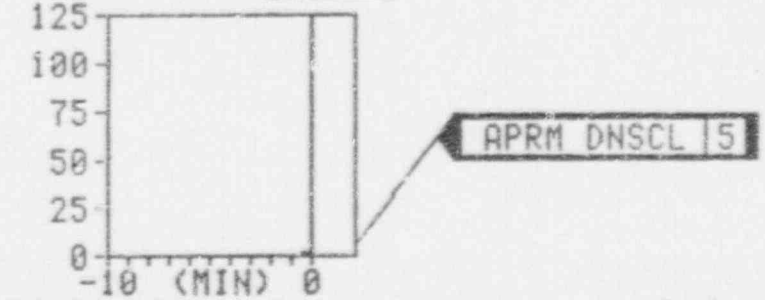
-281 IN



RPV PRESS 0 PSIG



RX POWER 0 %



RIVER BEND 26-FEB-1992 13/5

030 RPV NORMAL CONTAINMENT CONTROL--NR

POOL COOLING	CLG NA	PWR AVAIL	PMP OFF
DRYWELL COOLING	CLG AVAIL	PWR NA	FAN OFF
CNTMT COOLING	CLG AVAIL	PWR AVAIL	FAN RUN
PRESS CONTROL	VLV SHT	PWR AVAIL	FAN RUN
SBGT	VLV OPEN	PWR AVAIL	FAN RUN

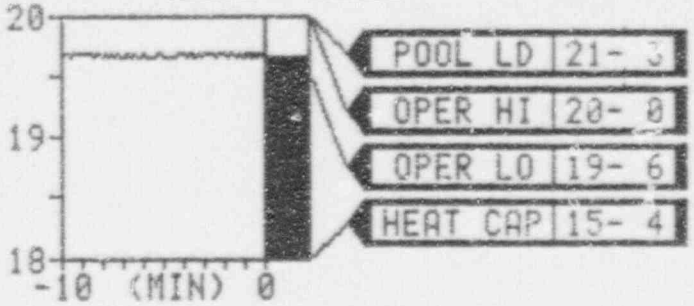
DG OPER

SRV SHUT

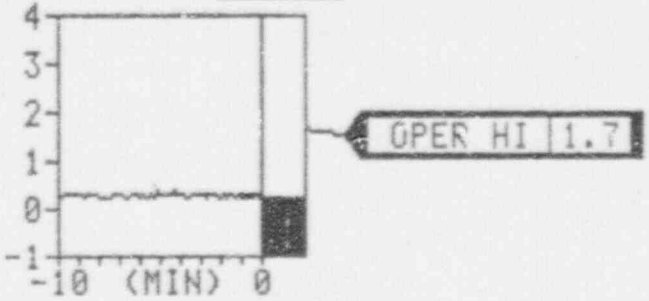
GROUP ISOL

RODS IN

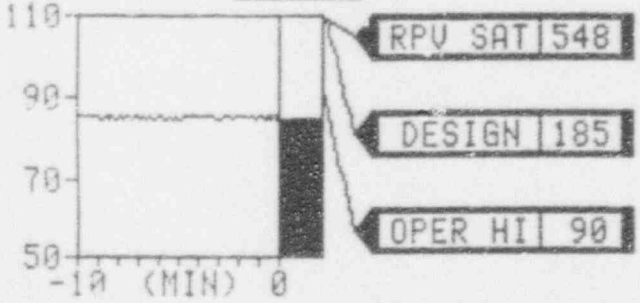
POOL LEVEL 19 FT 10 IN (RESCALE)



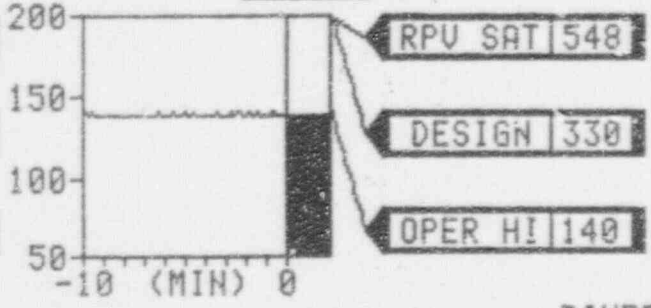
DW PRESS 0.3 PSIG



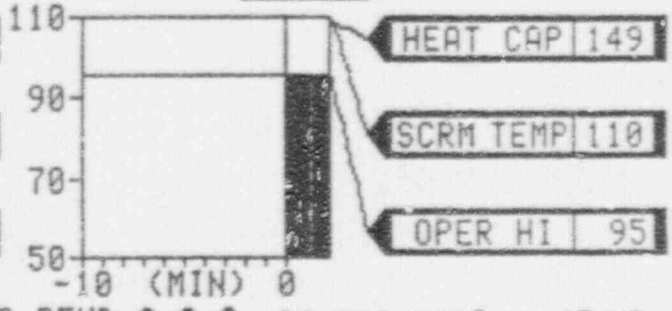
CNTMT TEMP 85 °F



DW TEMP 123 °F



POOL TEMP 92 °F



RIVER BEND 26-FEB-1992 1315

1992 EVALUATED EXERCISE
Message Number: 23

Clock Time = 1315
Scenario Time = 05/30

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING	ID NUMBER	LOCATION (TYPE)	READING
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	1000 R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	50 mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	2000 R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	50 mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	OSH mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	50 mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	OSH mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	20 mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	OSH mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	20 mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	OSH mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	20 mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	OSH mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	20 mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4 mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	20 mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0 mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	50 mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2 mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	50 mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3 mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	50 mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28 mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	50 mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	0.4* mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	50 mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	0.2* mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	50 mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	0.5* mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	50 mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	0.3* mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	50 mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	50 mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	50 mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	50 mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	50 mR/hr

- Indicates Alarming
OSH - Indicates Offscale High
All other ARMs are "as read"

Revision 1
12/20/91

* Note: Levels drop based on sump being pumped and contamination being washed down drain.

1992 EVALUATED EXERCISE

Message Number: 23

Clock Time = 1315

Scenario Time = 05/30

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	7.9E-07	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	4.4E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	5.3E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	2.9E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	1.8E-03	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	1.8E-03	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	1.8E-03	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	8.0E+04	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	1.0E-02	µCi/cc	Off Gas Pre-treatment Monitor		0	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	3.6E-03	µCi/cc	Off Gas Post-treatment Monitor		0	cpm
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc	Main Steam Line Radiation Monitor		8000	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc	Main Steam Line Radiation Monitor		8000	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	5.6E-03	µCi/cc	Main Steam Line Radiation Monitor		8000	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	1.8E-03	µCi/cc	Main Steam Line Radiation Monitor		8000	mR/hr

- Indicates Alarming

OSH - Indicates Offscale High

All other Process Monitors are "as read"

Revision 1
12/20/91

1992 EVALUATED EXERCISE

Message Number = 24

Clock Time = 1330

Scenario Time = 05/45

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Plant Status Update

1992 EVALUATED EXERCISE

Message Number = 24

Clock Time = 1330

Scenario Time = 05/45

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:

Power has been restored to 1ENS*SWG1B. This will allow the Control Room to shut B21-MOV7A, the feedwater loop downstream isolation valve, and isolate the leak. Power is also available to start RHR pumps B and C.

The release to the environment is continuing as SBGT and Turbine Building ventilation draw off the airborne contaminants from the Auxiliary Building Steam Tunnel and Turbine Building.

Note: The 1345 operations data reflects RHR B and C in LPCI mode. If this is not the case, the data must be changed to reflect the actual condition.

Expected Actions:

Shut B21-MOV7A.

Start RHR Pump B and C in the LPCI mode and refill the Rx vessel.

Continue monitoring the release.

1992 EVALUATED EXERCISE
Message Number - 24

Rev. 1 - 12/20/91

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

Clock Time - 1330
Scenario Time - 05/45

PANEL 601/877

	Status	Press	Flow
RHR A	OOS		0
RHR B	SS		0
RHR C	SS		0
LPCS	OOS		0
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	0	-289	FZ

DIV I	DIESEL	OP
DIV II	DIESEL	OP
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC.MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL -160 WR

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1B	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 808

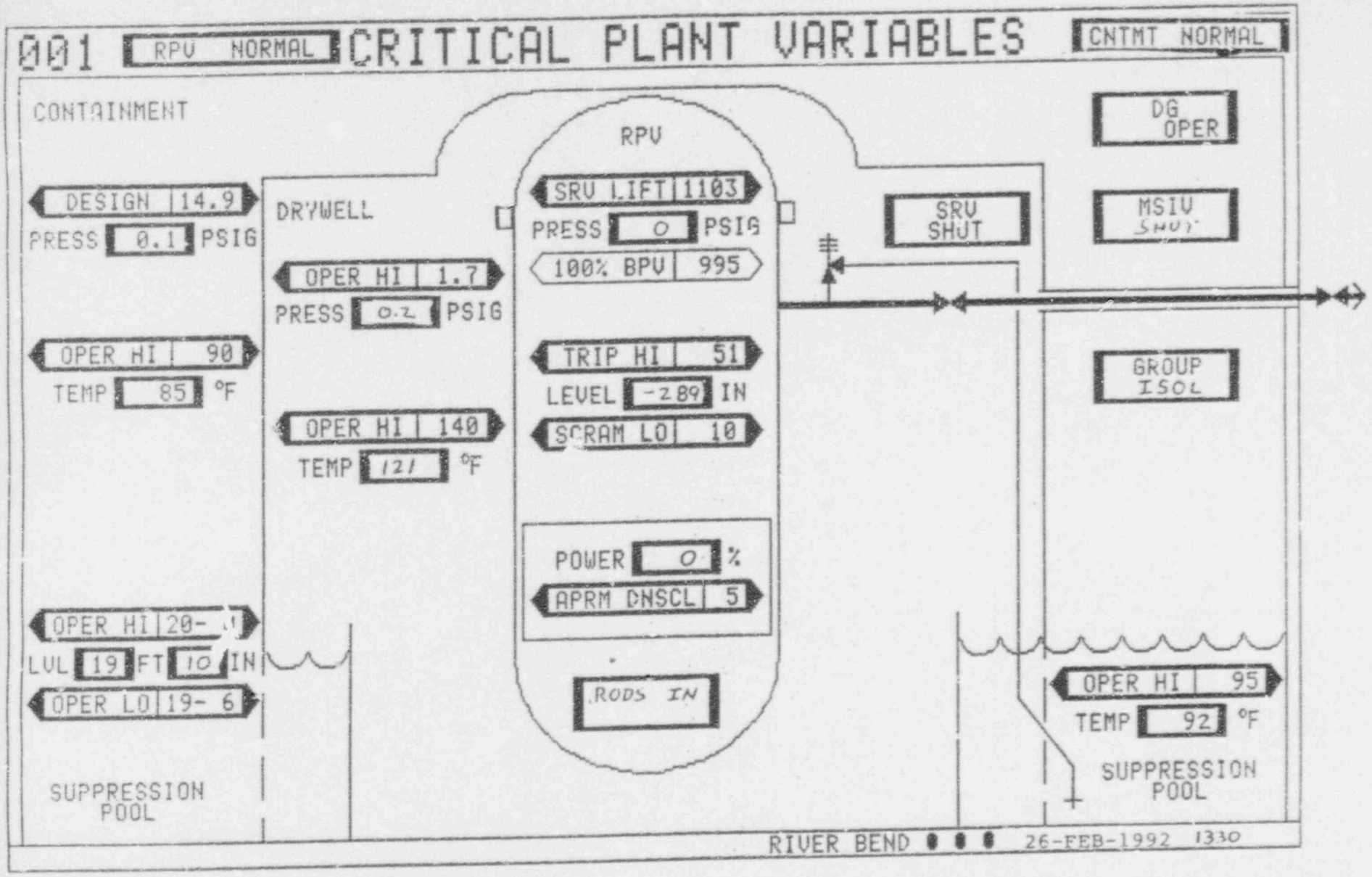
	Press	Temp	Level
DRYWELL	0.2	121°	
CTMT	0.1	85°	
SPR PL		92°	19'10"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OP	SSW P2D	OP

PANEL 863

SGTS A	OP	SGTS B	SS
D/W COOLERS OPERATING			B C D E
CTMT COOLERS OPERATING			A


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
RPV
DG OPER
DESIGN 14.9
PRESS 0.1 PSIG
DRYWELL
SRV LIFT 1103
PRESS 0 PSIG
100% BPV 995
SRV SHUT
MSIV SHUT
OPER HI 1.7
PRESS 0.2 PSIG
OPER HI 90
TEMP 85 °F
TRIP HI 51
LEVEL -289 IN
SCRAM LO 10
GROUP ISOL
OPER HI 140
TEMP 121 °F
POWER 0 %
APRM DNSCL 5
OPER HI 20-
LVL 19 FT 10 IN
OPER LO 19- 6
RODS IN
OPER HI 95
TEMP 92 °F
SUPPRESSION POOL
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 1330

021 RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP RUN
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

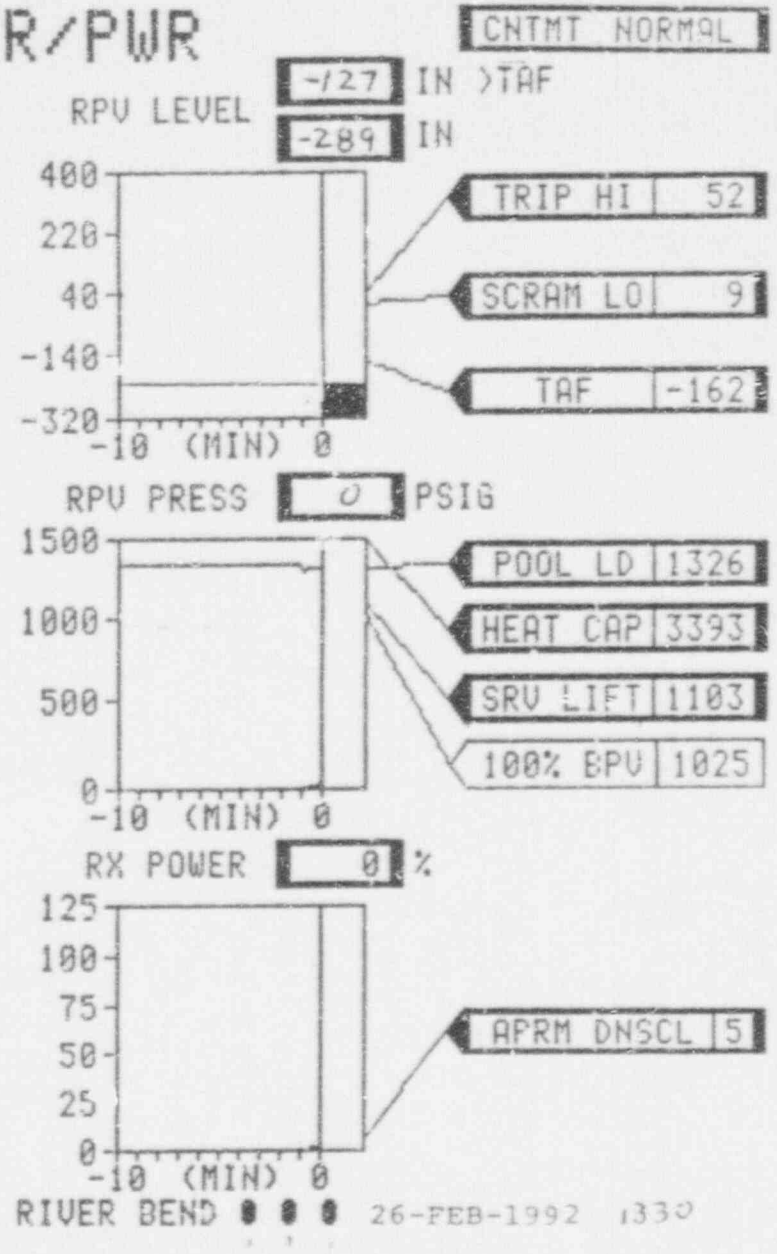
DG OPER

SRV SHUT

MSIV SHUT

GROUP ISOL

RODS IN



030 RPV NORMAL CONTAINMENT CONTROL--NR

POOL COOLING	CLG NA	PWR AVAIL	PMP OFF
DRYWELL COOLING	CLG AVAIL	PWR NA	FAN RUN
CNTMT COOLING	CLG AVAIL	PWR AVAIL	FAN RUN
PRESS CONTROL	VLV SHT	PWR AVAIL	FAN RUN
SBGT	VLV OPEN	PWR AVAIL	FAN RUN

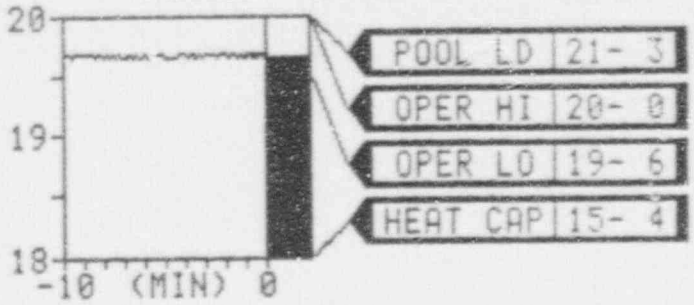
DG OPER

SRV SHUT

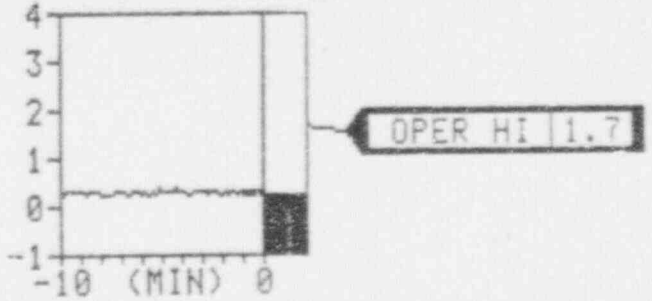
GROUP ISOL

RODS IN

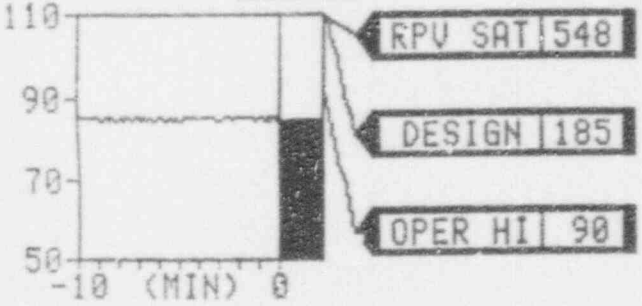
POOL LEVEL 19 FT 10 IN (RESCALE)



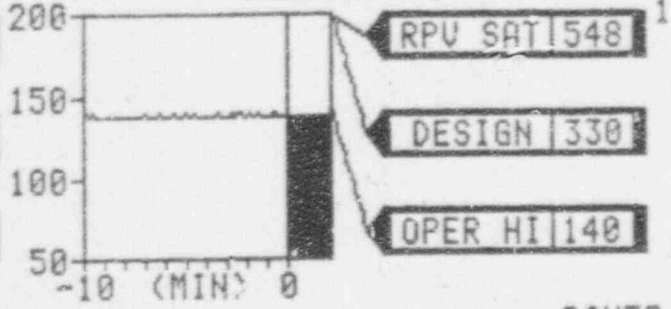
DW PRESS 0.2 PSIG



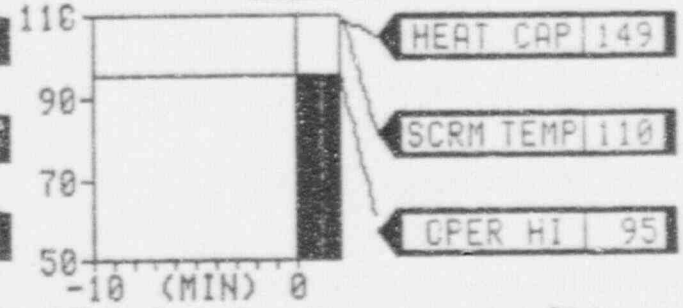
CNTMT TEMP 85 °F



DW TEMP 121 °F



POOL TEMP 92 °F



RIVER BEND 26-FEB-1992 1330

1992 EVALUATED EXERCISE
Message Number: 24

Clock Time = 1330
Scenario Time = 05/45

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING	ID NUMBER	LOCATION (TYPE)	READING
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	1000 R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	50 mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	2000 R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	50 mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	OSH mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	50 mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	OSH mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	20 mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	OSH mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	20 mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	OSH mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	20 mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	OSH mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	20 mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4 mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	20 mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0 mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	50 mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2 mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	50 mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3 mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	50 mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28 mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	50 mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	0.4* mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	50 mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	0.2* mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	50 mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	0.5* mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	50 mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	0.3* mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	50 mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	50 mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	50 mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	50 mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	50 mR/hr

- Indicates Alarming
OSH - Indicates Offscale High
All other ARMs are "as read"

Revision 1
12/20/91

* Note Levels drop based on sump being pumped and contamination being washed down drain.

1992 EVALUATED EXERCISE

Message Number: 24

Clock Time = 1330

Scenario Time = 05/45

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	7.8E-07	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	4.3E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	5.2E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	2.9E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	8.9E-04	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	8.9E-04	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	8.9E-04	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	4.0E+04	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	6.0E-03	µCi/cc		Off Gas Pre-treatment Monitor	0	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	1.8E-03	µCi/cc		Off Gas Post-treatment Monitor	0	cpm
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc		Main Steam Line Radiation Monitor	8000	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc		Main Steam Line Radiation Monitor	8000	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	2.9E-03	µCi/cc		Main Steam Line Radiation Monitor	8000	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	8.9E-04	µCi/cc		Main Steam Line Radiation Monitor	8000	mR/hr

- Indicates Alarming

OSH - Indicates Offscale High

All other Process Monitors are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number = 25

Clock Time = 1345

Scenario Time = 06/00

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Plant Status Update

1992 EVALUATED EXERCISE

Message Number = 25

Clock Time = 1345

Scenario Time = 06/00

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
Data reflects RHR pumps B and C operating in the LPCI mode to refill the Rx vessel.	Continue refilling the Rx vessel.
If they are not started the data will need to be changed to reflect the actual situation.	Begin preparations for going into shutdown cooling.
The release is continuing.	

1992 EVALUATED EXERCISE
Message Number - 25

Rev. 1 - 12/20/91

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

Clock Time - 1 45
Scenario Time - 06/00

PANEL 601/877

	Status	Press	Flow
RHR A	OOS		0
RHR B	LPCI		3870
RHR C	LPCI		1870
LPCS	OOS		0
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	0	-3	WR

DIV I	DIESEL	OP
DIV II	DIESEL	OP
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC,MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL -3 WR

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1B	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 808

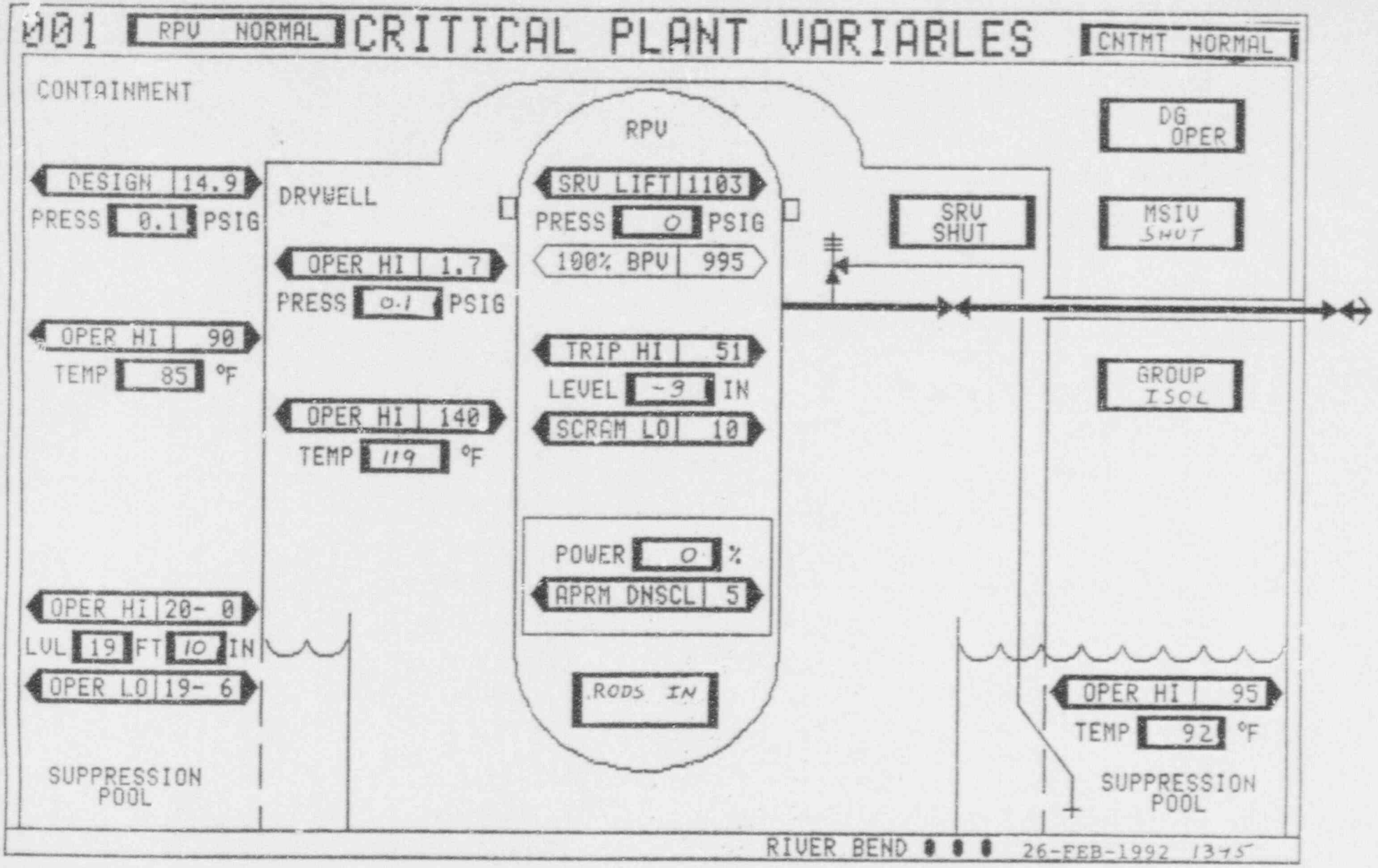
	Press	Temp	Level
DRYWELL	0.1	119°	
CTMT	0.1	85°	
SPR PL		92°	19'10"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OP	SSW P2D	OP

PANEL 863

SGTS A	OP	SGTS B	AV
D/W COOLERS OPERATING			B C D E
CTMT COOLERS OPERATING			AB


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
DESIGN 14.9
PRESS 0.1 PSIG
OPER HI 90
TEMP 85 °F
OPER HI 20- 0
LVL 19 FT 10 IN
OPER LO 19- 6
SUPPRESSION POOL
DRYWELL
OPER HI 1.7
PRESS 0.1 PSIG
OPER HI 140
TEMP 119 °F
RPV
SRV LIFT 1103
PRESS 0 PSIG
100% BPV 995
TRIP HI 51
LEVEL -9 IN
SCRAM LO 10
POWER 0 %
APRM DNSCL 5
RODS IN
SRV SHUT
DG OPER
MSIV SHUT
GROUP ISOL
OPER HI 95
TEMP 92 °F
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 1345

021 RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP RUN
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP OFF
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG OPER

SRV SHUT

MSIV SHUT

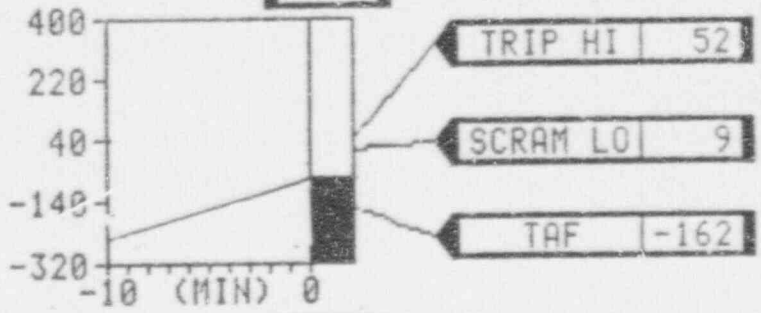
GROUP ISOL

RODS IN

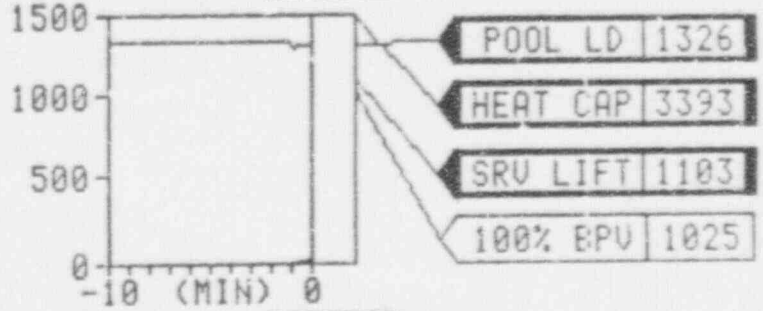
CNTMT NORMAL

RPV LEVEL 159 IN >TAF

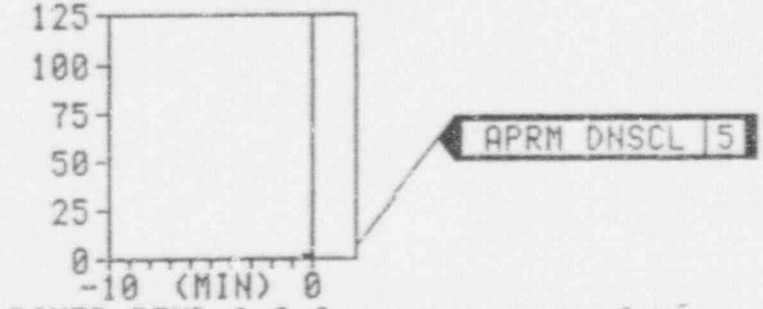
-3 IN



RPV PRESS 0 PSIG

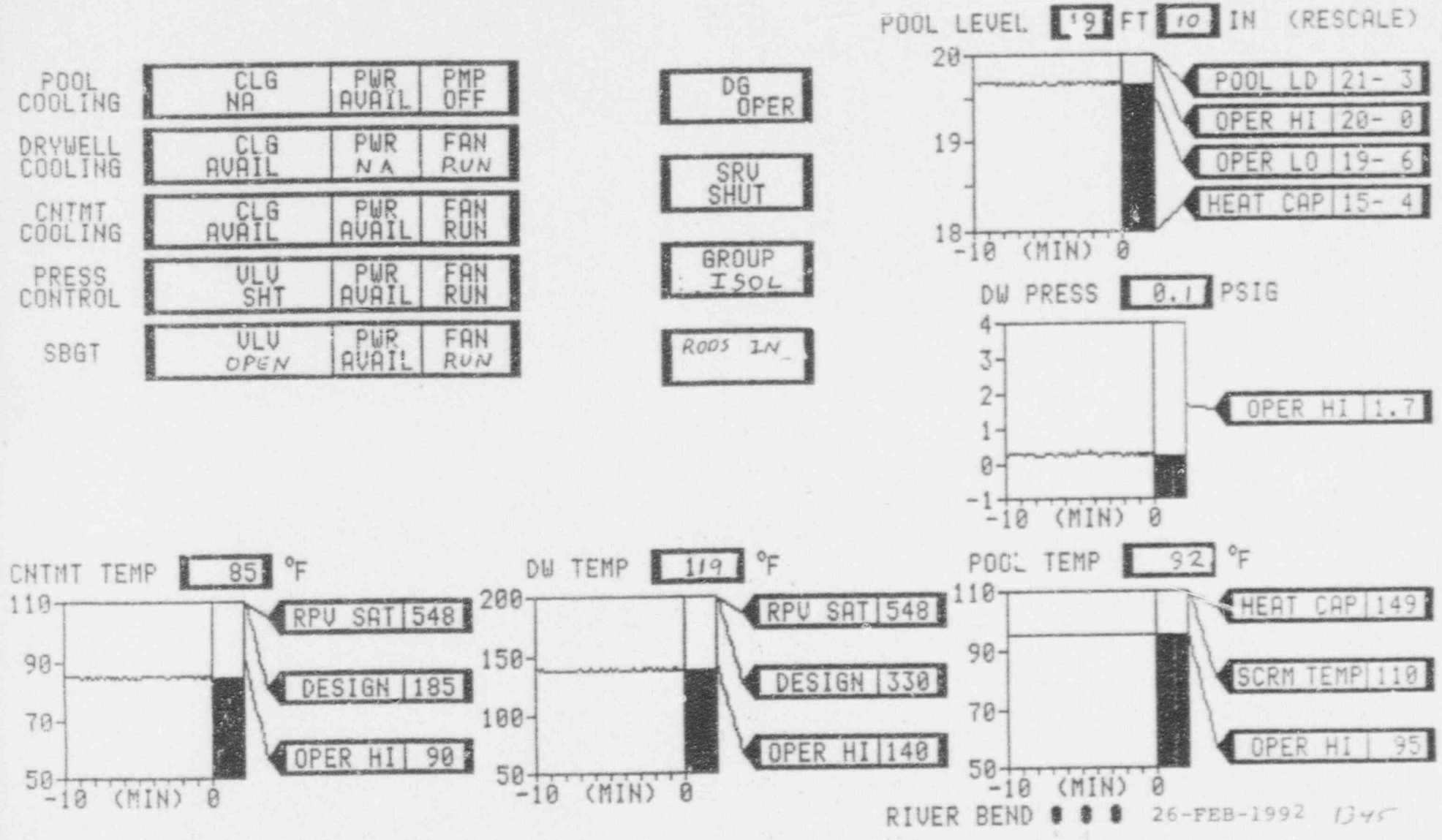


RX POWER 0 %



RIVER BEND 26-FEB-1992 1345

030 RPV NORMAL CONTAINMENT CONTROL--NR



1992 EVALUATED EXERCISE
Message Number: 25

Clock Time = 1345
Scenario Time = 06/00

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING	ID NUMBER	LOCATION (TYPE)	READING
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	1000 R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	50 mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	2000 R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	50 mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	OSH mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	50 mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	OSH mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	20 mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	OSH mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	20 mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	OSH mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	20 mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	OSH mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	20 mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4 mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	20 mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0 mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	50 mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2 mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	50 mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3 mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	50 mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28 mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	50 mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	0.4* mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	50 mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	0.2* mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	50 mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	0.5* mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	50 mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	0.3* mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	50 mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	50 mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	50 mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	50 mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	50 mR/hr

- Indicates Alarming
OSH - Indicates Offscale High
All other ARMs are "as read"

Revision 1
12/20/91

* Note: Levels drop based on sump being pumped and contamination being washed down drain.

1992 EVALUATED EXERCISE

Message Number: 25

Clock Time = 1345

Scenario Time = 06/00

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	7.7E-07	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	4.3E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	5.2E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	2.9E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	6.7E-06	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	6.7E-06	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	6.7E-06	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	3.0E+02	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	8.4E-05	µCi/cc		Off Gas Pre-treatment Monitor	0	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	1.4E-05	µCi/cc		Off Gas Post-treatment Monitor	0	cpm
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc		Main Steam Line Radiation Monitor	8000	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc		Main Steam Line Radiation Monitor	8000	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	4.4E-05	µCi/cc		Main Steam Line Radiation Monitor	8000	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	6.7E-06	µCi/cc		Main Steam Line Radiation Monitor	8000	mR/hr

[redacted] - Indicates Alarming

OSH - Indicates Offscale High

All other Process Monitors are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number = 25.1x

Clock Time = 1347

Scenario Time = 06/02

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Emergency Director

Advise the Control Room that, due to plant conditions, it will not be necessary to perform a shutdown cooling flush or pump warm-up prior to initiating shutdown cooling.

1992 EVALUATED EXERCISE

Message Number = 25.1x

Clock Time = 1347

Scenario Time = 06/02

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
Deliver this message when the decision is made to initiate shutdown cooling.	Initiate shutdown cooling without performing a flush or pump warm-up.

1992 EVALUATED EXERCISE

Message Number = 26

Clock Time = 1400

Scenario Time = 06/15

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Plant Status Update

1992 EVALUATED EXERCISE

Message Number = 26

Clock Time = 1400

Scenario Time = 06/15

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
Plant is in cold shutdown.	Continue to monitor downwind plume. Commence recovery/termination discussions.

1992 EVALUATED EXERCISE
Message Number - 26

Rev. 1 - 12/20/91

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

Clock Time - 1400
Scenario Time - 06/15

PANEL 601/877

	Status	Press	Flow
RHR A	OOS		0
RHR B	SDC		5200
RHR C	SS		0
LPCS	OOS		0
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	0	70	WR

DIV I	DIESEL	OP
DIV II	DIESEL	OP
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC,MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL 40 NR

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1B	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 708

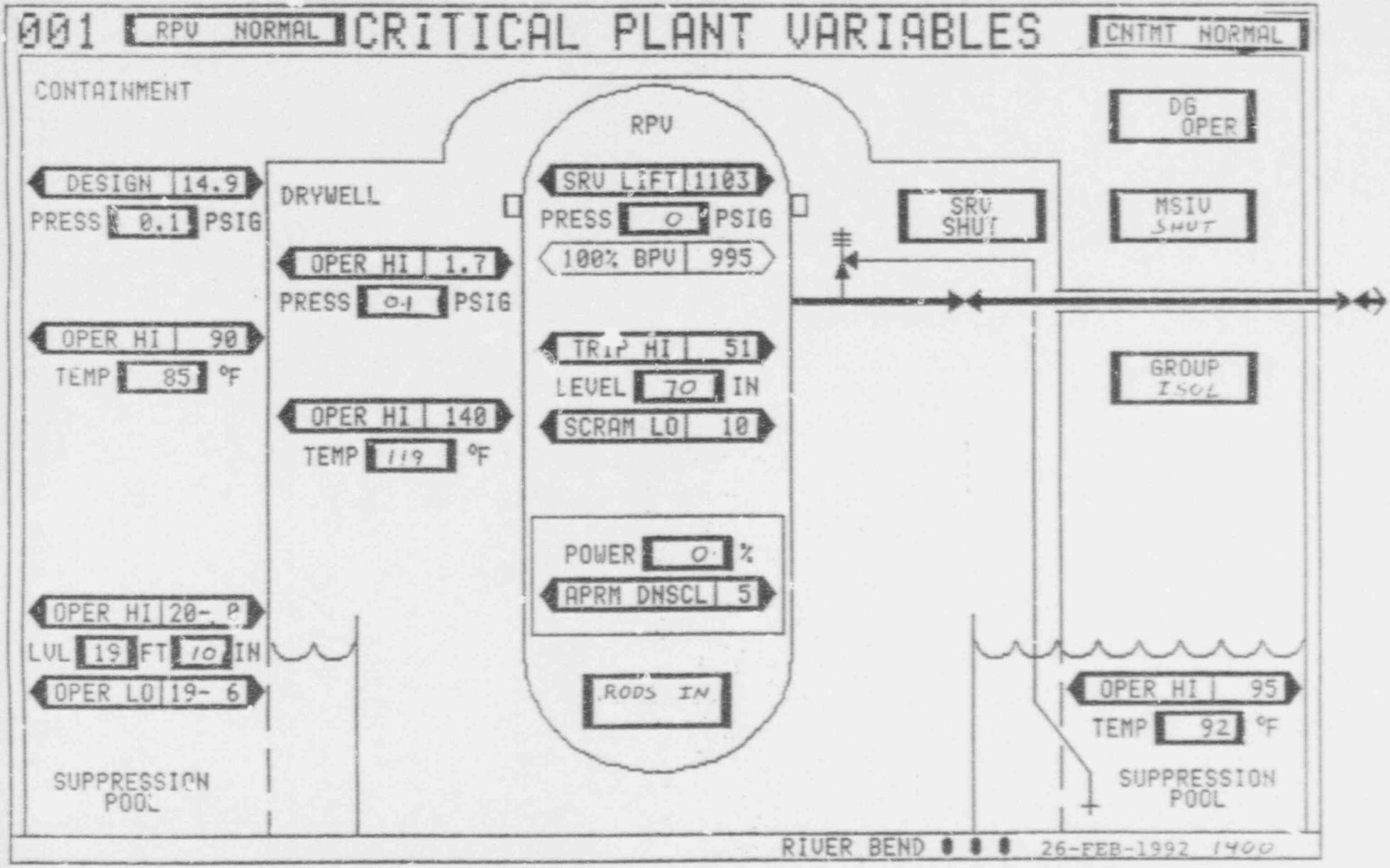
	Press	Temp	Level
DRYWELL	0.1	119°	
CTMT	0.1	85°	
SPR PL		92°	19'10"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OP	SSW P2D	OP

PANEL 863

SGTS A	OP	SGTS B	SS
D/W COOLERS OPERATING			B C D E
CTMT COOLERS OPERATING			A B


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
RPV
DG OPER
DESIGN 14.9
PRESS 0.1 PSIG
DRYWELL
SRV LIFT 1103
PRESS 0 PSIG
100% BPV 995
SRV SHUT
MSIV SHUT
OPER HI 1.7
PRESS 0.1 PSIG
OPER HI 90
TEMP 85 °F
TRIP HI 51
LEVEL 70 IN
GROUP ISOL
OPER HI 140
TEMP 119 °F
SCRAM LO 10
POWER 0 %
APRM DNSCL 5
OPER HI 20-
LVL 19 FT 10 IN
OPER LO 19- 6
RODS IN
OPER HI 95
TEMP 92 °F
SUPPRESSION POOL
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 1400

021 RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP RUN
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG OPER

SRV SHUT

MSIV SHUT

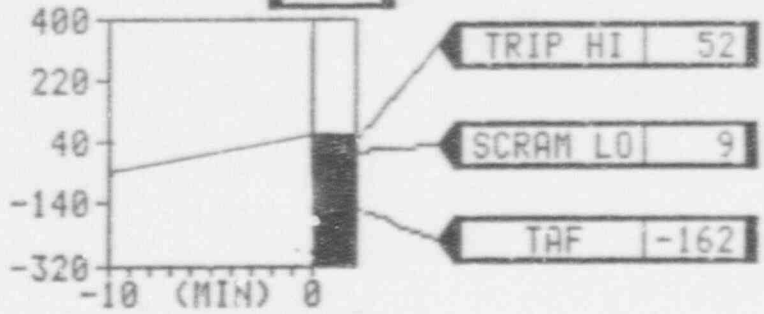
GROUP ISOL

RODS IN

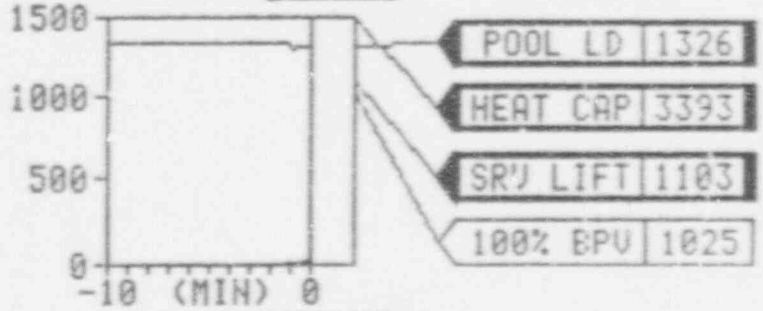
CNTMT NORMAL

RPV LEVEL 232 IN >TAF

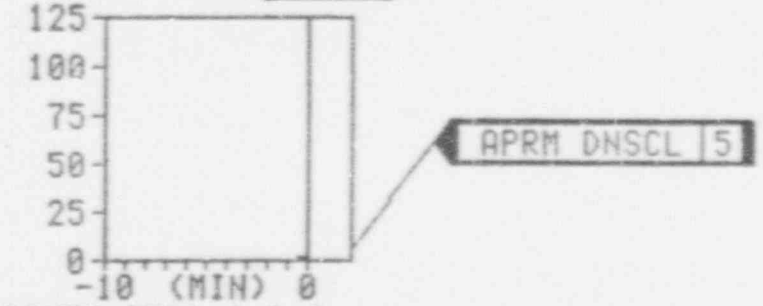
70 IN



RPV PRESS 0 PSIG



RX POWER 0 %



RIVER BEND 26-FEB-1992 1408

030 RPV NORMAL CONTAINMENT CONTROL--NR

POOL COOLING	CLG NA	PWR AVAIL	PMP OFF
DRYWELL COOLING	CLG AVAIL	PWR NA	FAN RUN
CNTMT COOLING	CLG AVAIL	PWR AVAIL	FAN RUN
PRESS CONTROL	VLV SHT	PWR AVAIL	FAN RUN
SBGT	VLV OPEN	PWR AVAIL	FAN RUN

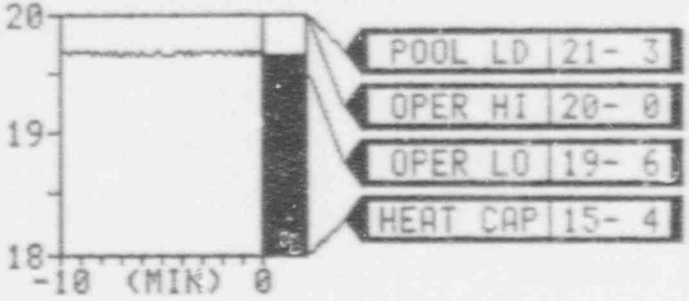
DG OPER

SRV SHUT

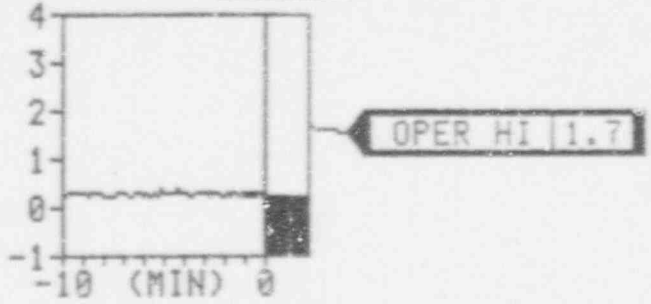
GROUP ISLN CMD

RODS IN

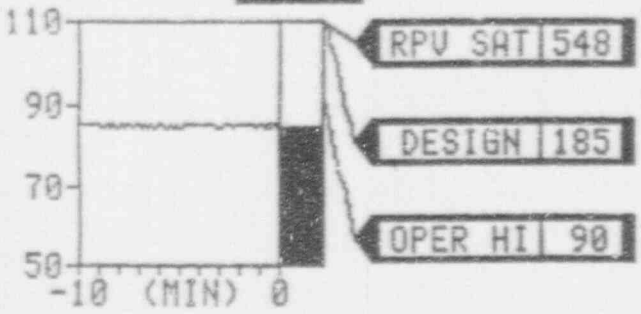
POOL LEVEL 19 FT 10 IN (RESCALE)



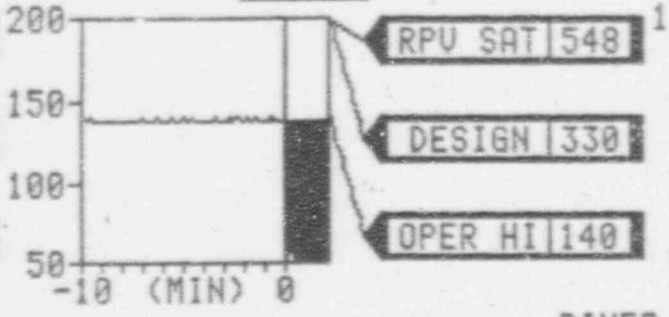
DW PRESS 0.1 PSIG



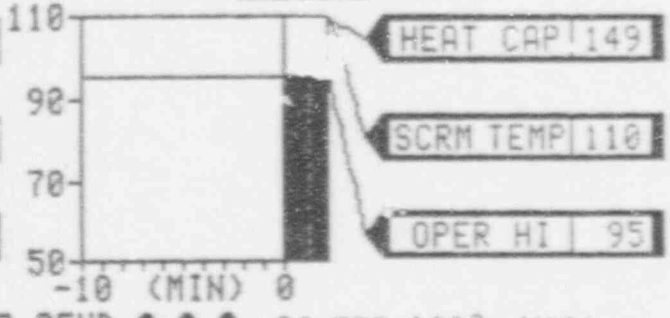
CNTMT TEMP 85 °F



DW TEMP 119 °F



POOL TEMP 92 °F



RIVER BEND 26-FEB-1992 1400

1992 EVALUATED EXERCISE
Message Number: 26

Clock Time = 1400
Scenario Time = 06/15

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING	ID NUMBER	LOCATION (TYPE)	READING
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	1000 R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	10 mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	2000 R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	10 mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	OSH mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	10 mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	OSH mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	5.0 mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	OSH mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	5.0 mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	OSH mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	5.0 mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	OSH mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	5.0 mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4 mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	5.0 mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0 mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	10 mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2 mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	10 mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3 mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	10 mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28 mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	10 mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	0.4* mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	OSH mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	0.2* mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	10 mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	0.5* mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	10 mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	0.3* mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	10 mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	10 mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	10 mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	10 mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	10 mR/hr

- Indicates Alarming
OSH - Indicates Offscale High
All other ARMs are "as read"

Revision 1
12/20/91

* Note: Levels drop based on sump being pumped and contamination being washed down drain.

1992 EVALUATED EXERCISE

Message Number: 26

Clock Time = 1400

Scenario Time = 06/15

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	7.6E-07	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	4.2E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	5.1E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	2.9E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	1.1E-06	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	1.1E-06	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	1.1E-06	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	5.0E+01	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	3.0E-06	µCi/cc		Off Gas Pre-treatment Monitor	0	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	4.4E-06	µCi/cc		Off Gas Post-treatment Monitor	0	cpm
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc		Main Steam Line Radiation Monitor	1000	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc		Main Steam Line Radiation Monitor	1000	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	3.8E-06	µCi/cc		Main Steam Line Radiation Monitor	1000	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	1.1E-06	µCi/cc		Main Steam Line Radiation Monitor	1000	mR/hr

- Indicates Alarming

OSH - Indicates Offscale High

All other Process Monitors are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number = 27

Clock Time = 1415

Scenario Time = 06:30

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Plant Status Update

1992 EVALUATED EXERCISE
Message Number = 27

Clock Time = 1415
Scenario Time = 06/30

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:

Expected Actions:

Continue to monitor downwind conditions.

1992 EVALUATED EXERCISE
Message Number - 27

Rev. 1 - 12/20/91

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

Clock Time - 1415
Scenario Time - 06/30

PANEL 601/877

	Status	Press	Flow
RHR A	OOS		0
RHR B	SDC		5200
RHR C	SS		0
LPCS	OOS		0
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	0	70	WR

DIV I	DIESEL	OP
DIV II	DIESEL	OP
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC.MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL 40 NR

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1B	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 808

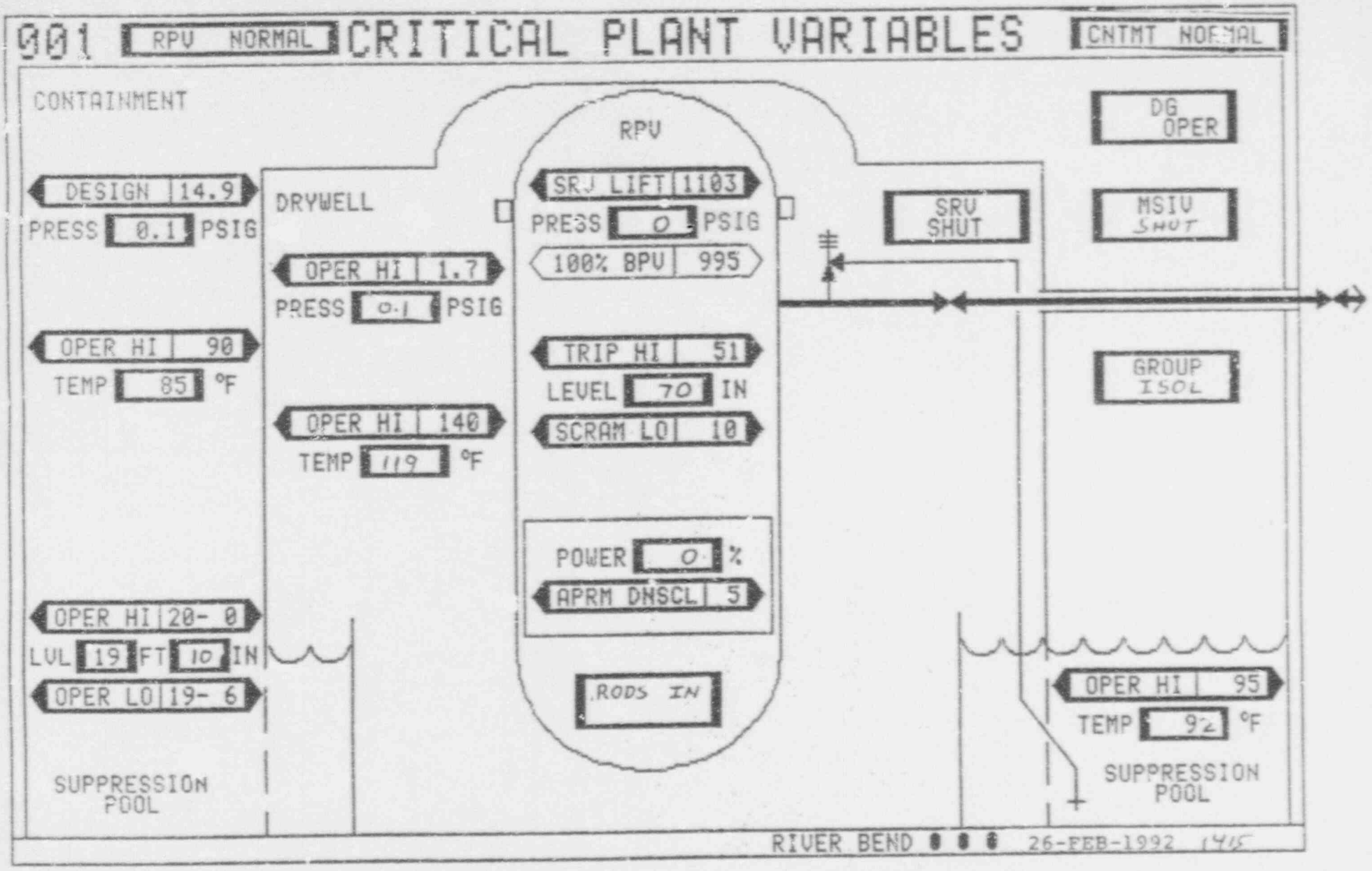
	Press	Temp	Level
DRYWELL	0.1	119°	
CTMT	0.1	85°	
SPR PL		92°	19'10"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OP	SSW P2D	OP

PANEL 863

SGTS A	OP	SGTS B	SS
D/W COOLERS OPERATING			B C D E
CTMT COOLERS OPERATING			AB


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
DRYWELL
RPV
DG OPER
DESIGN 14.9
PRESS 0.1 PSIG
SRV LIFT 1103
PRESS 0 PSIG
100% BPV 995
SRV SHUT
MSIV SHUT
OPER HI 1.7
PRESS 0.1 PSIG
OPER HI 90
TEMP 85 °F
TRIP HI 51
LEVEL 70 IN
GROUP ISOL
OPER HI 140
TEMP 119 °F
SCRAM LO 10
POWER 0 %
APRM DNSCL 5
OPER HI 20- 0
LVL 19 FT 10 IN
OPER LO 19- 6
RODS IN
OPER HI 95
TEMP 92 °F
SUPPRESSION POOL
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 1415

021 RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP RUN
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG OPER

SRV SHUT

MSIV SHUT

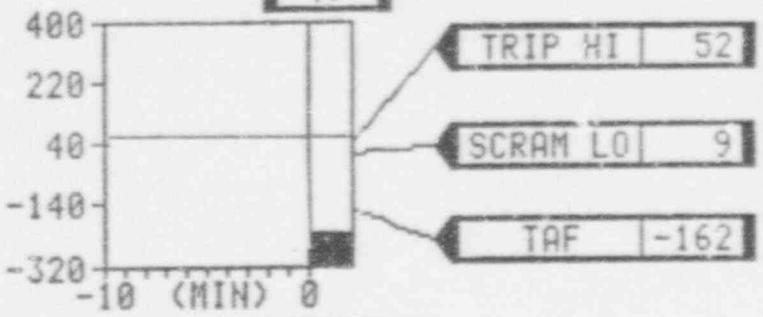
GROUP ISOL

RODS IN

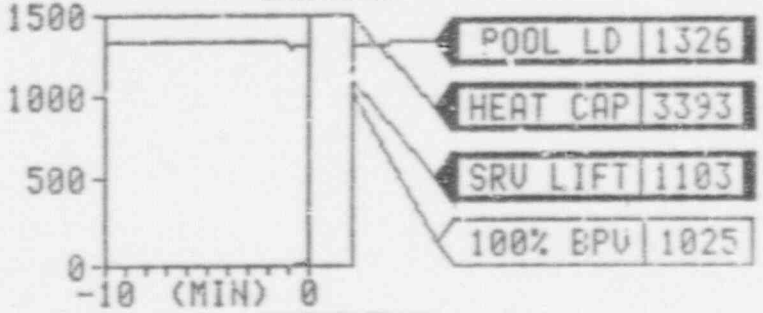
CNTMT NORMAL

RPV LEVEL 232 IN >TAF

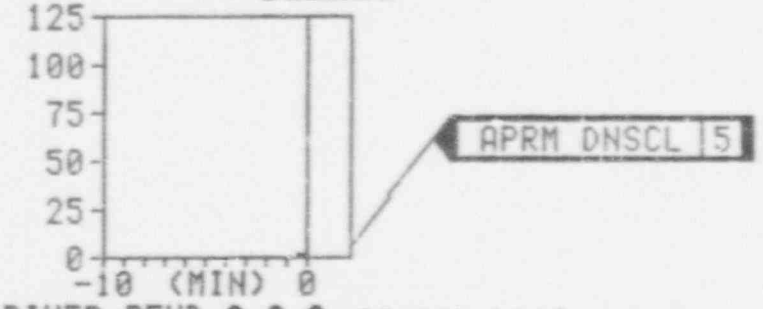
70 IN



RPV PRESS 0 PSIG

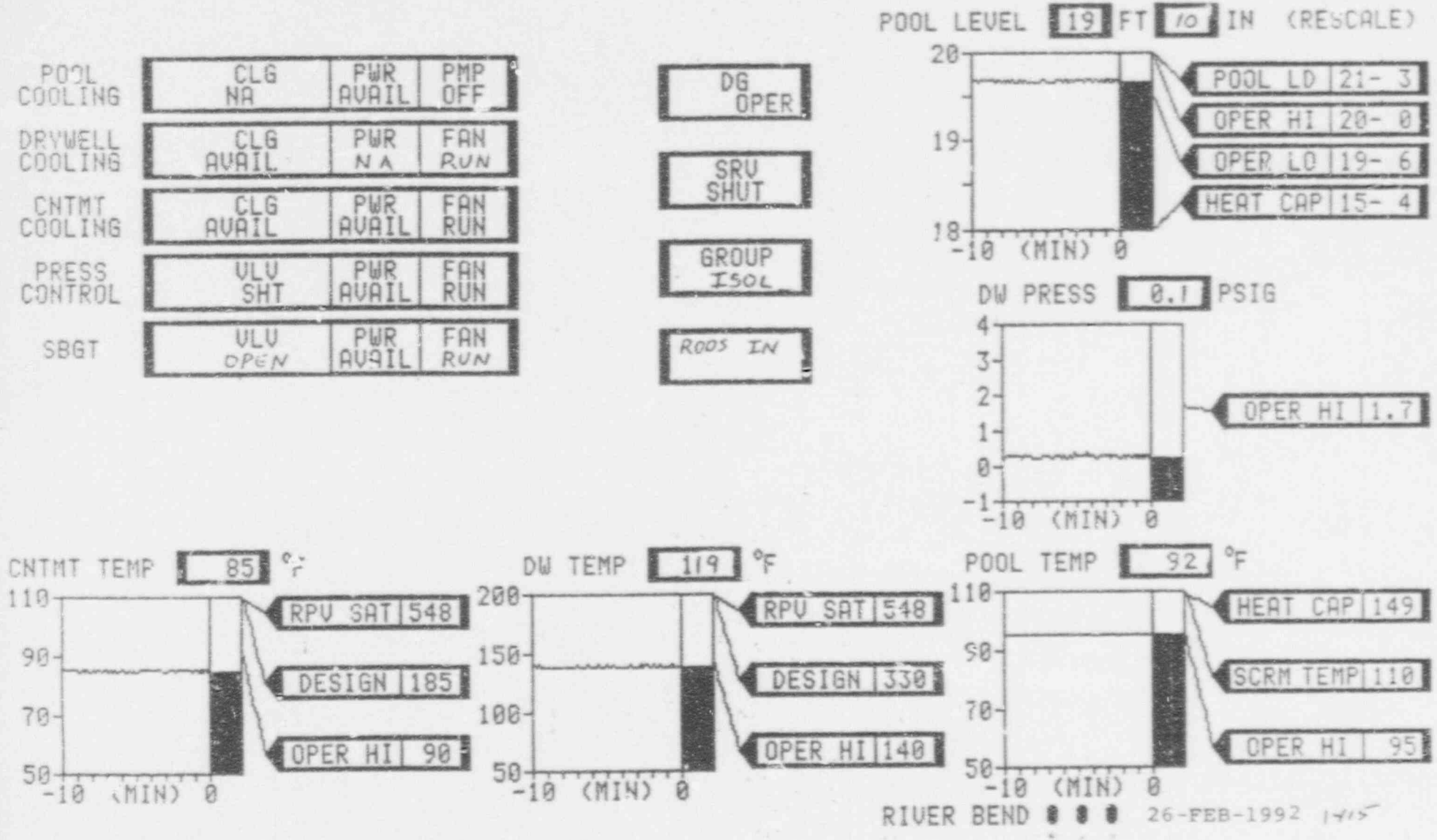


RX POWER 0 %



RIVER BEND 26-FEB-1992

030 RPV NORMAL CONTAINMENT CONTROL--NR



1992 EVALUATED EXERCISE
Message Number: 27

Clock Time = 1415
Scenario Time = 06/30

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING	ID NUMBER	LOCATION (TYPE)	READING
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	1000 R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	10 mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	2000 R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	10 mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	OSH mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	10 mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	OSH mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	5.0 mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	OSH mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	5.0 mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	OSH mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	5.0 mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	OSH mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	5.0 mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4 mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	5.0 mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0 mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	10 mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2 mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	10 mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3 mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	10 mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28 mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	10 mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	0.4* mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	OSH mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	0.2* mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	10 mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	0.5* mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	10 mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	0.3* mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	10 mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	10 mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	10 mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	10 mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	10 mR/hr

- Indicates Alarming
OSH - Indicates Offscale High
All other ARMs are "as read"

Revision 1
12/20/91

* Note: Levels drop based on sump being pumped and contamination being washed down drain.

1992 EVALUATED EXERCISE

Message Number: 27

Clock Time = 1415

Scenario Time = 06/30

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	7.6E-07	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	4.2E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	5.1E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	2.9E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	1.1E-06	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	1.1E-06	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	1.1E-06	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	5.0E+01	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	8.0E-06	µCi/cc		Off Gas Pre-treatment Monitor	0	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	4.4E-06	µCi/cc		Off Gas Post-treatment Monitor	0	cpm
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc		Main Steam Line Radiation Monitor	1000	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc		Main Steam Line Radiation Monitor	1000	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	3.8E-06	µCi/cc		Main Steam Line Radiation Monitor	1000	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	1.1E-06	µCi/cc		Main Steam Line Radiation Monitor	1000	mR/hr

- Indicates Alarming

OSH - Indicates Offscale High

All other Process Monitors are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number = 28

Clock Time = 1430

Scenario Time = 06/45

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Plant Status Update

1992 EVALUATED EXERCISE

Message Number = 28

Clock Time = 1430

Scenario Time = 06/45

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
	Continue to monitor downwind conditions.

1992 EVALUATED EXERCISE
Message Number - 28

Rev. 1 - 12/20/91

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

Clock Time - 1430
Scenario Time - 06/45

PANEL 601/877

	Status	Press	Flow
RHR A	OOS		0
RHR B	SDC		5200
RHR C	SS		0
LPCS	OOS		0
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	0	70	WR

DIV I	DIESEL	OP
DIV II	DIESEL	OP
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC,KN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL 40 NR

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1B	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 808

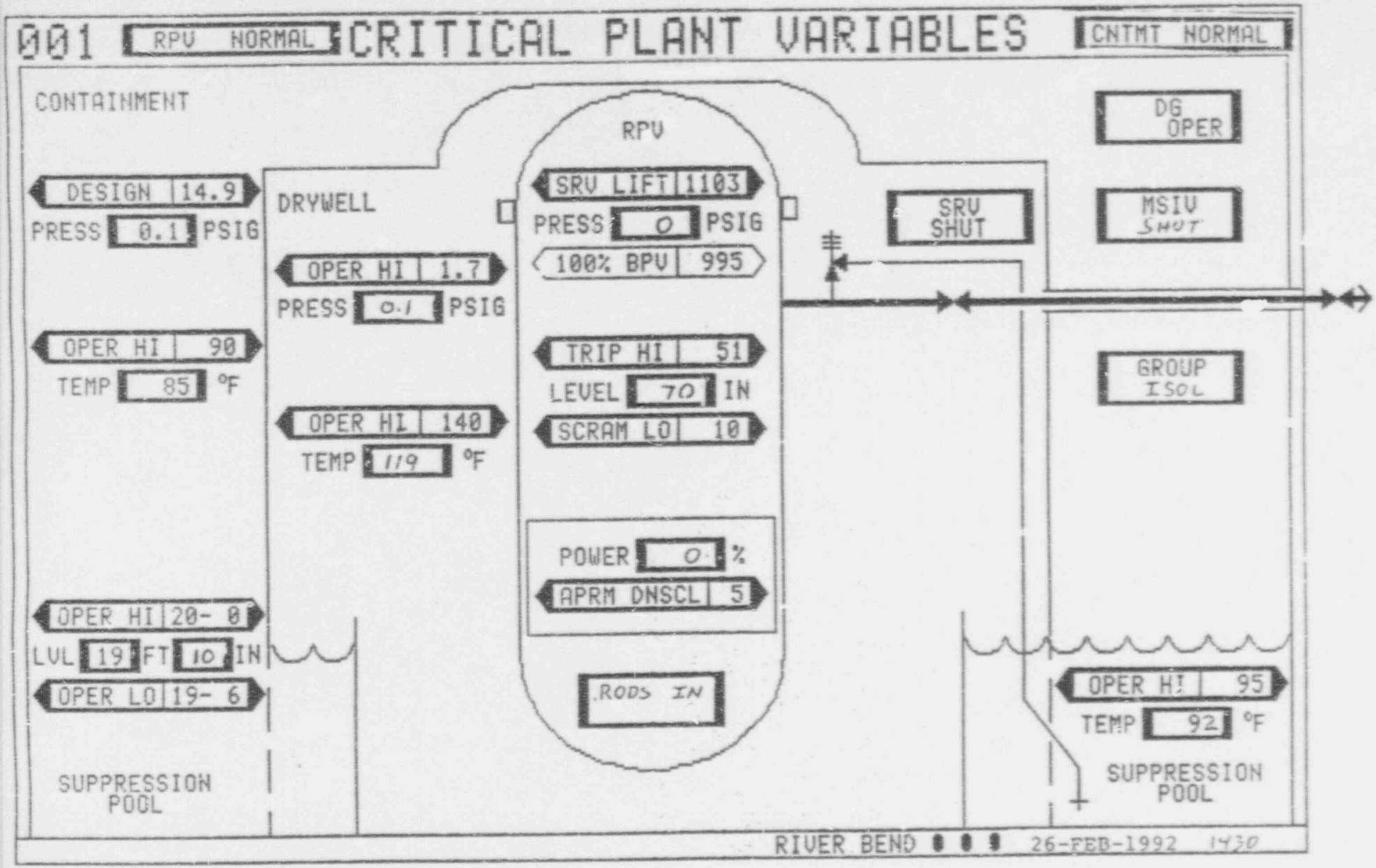
	Press	Temp	Level
DRYWELL	0.1	119°	
CTMT	0.1	85°	
SPR P.		92°	19'10"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OP	SSW P2D	OP

PANEL 863

SGTS A	OP	SGTS B	SS
D/W COOLERS OPERATING			B C D E
CTMT COOLERS OPERATING			AB


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
DRYWELL
RPV
DG OPER
DESIGN 14.9
PRESS 0.1 PSIG
SRV LIFT 1103
PRESS 0 PSIG
100% BPV 995
SRV SHUT
MSIV SHUT
OPER HI 1.7
PRESS 0.1 PSIG
OPER HI 90
TEMP 85 °F
TRIP HI 51
LEVEL 70 IN
GROUP ISOL
OPER HI 140
TEMP 119 °F
SCRAM LO 10
POWER 0 %
APRM DNSCL 5
OPER HI 20- 0
LVL 19 FT 10 IN
OPER LO 19- 6
RODS IN
OPER HI 95
TEMP 92 °F
SUPPRESSION POOL
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 1430

021

RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP RUN
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

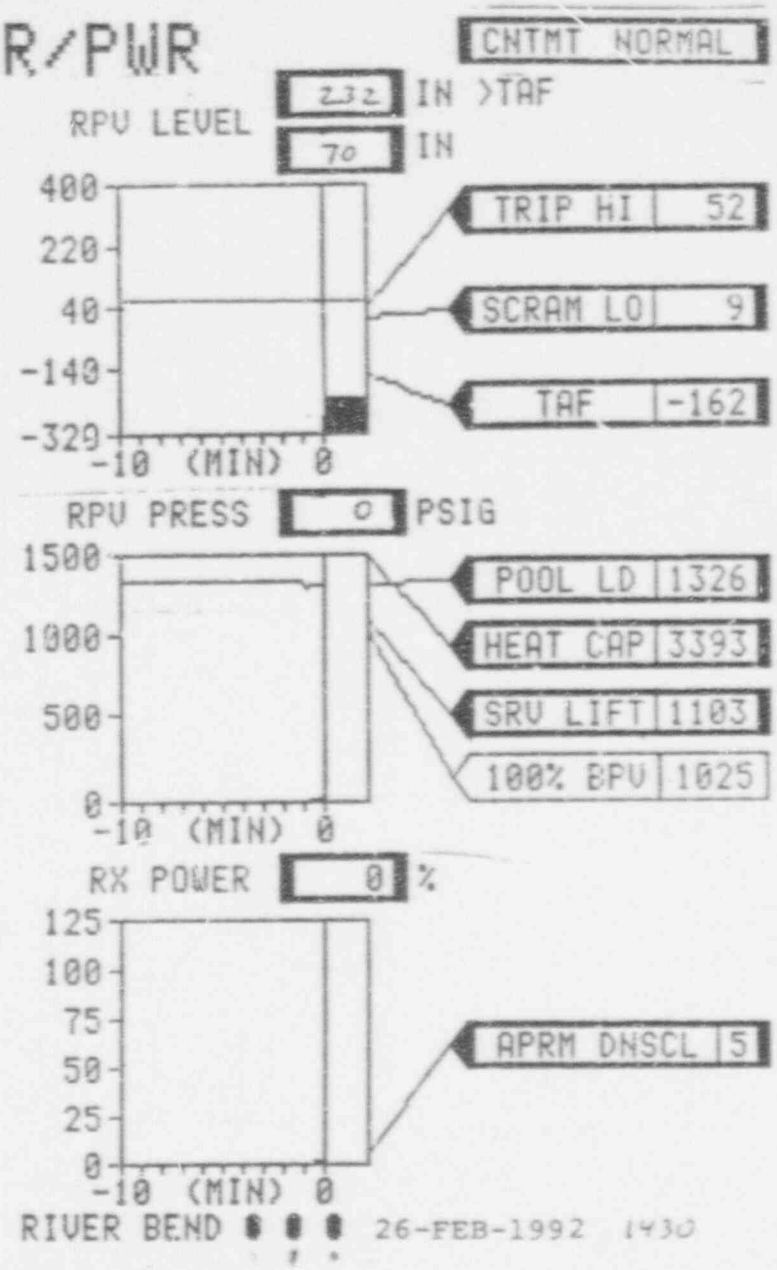
DG OPER

SRV SHUT

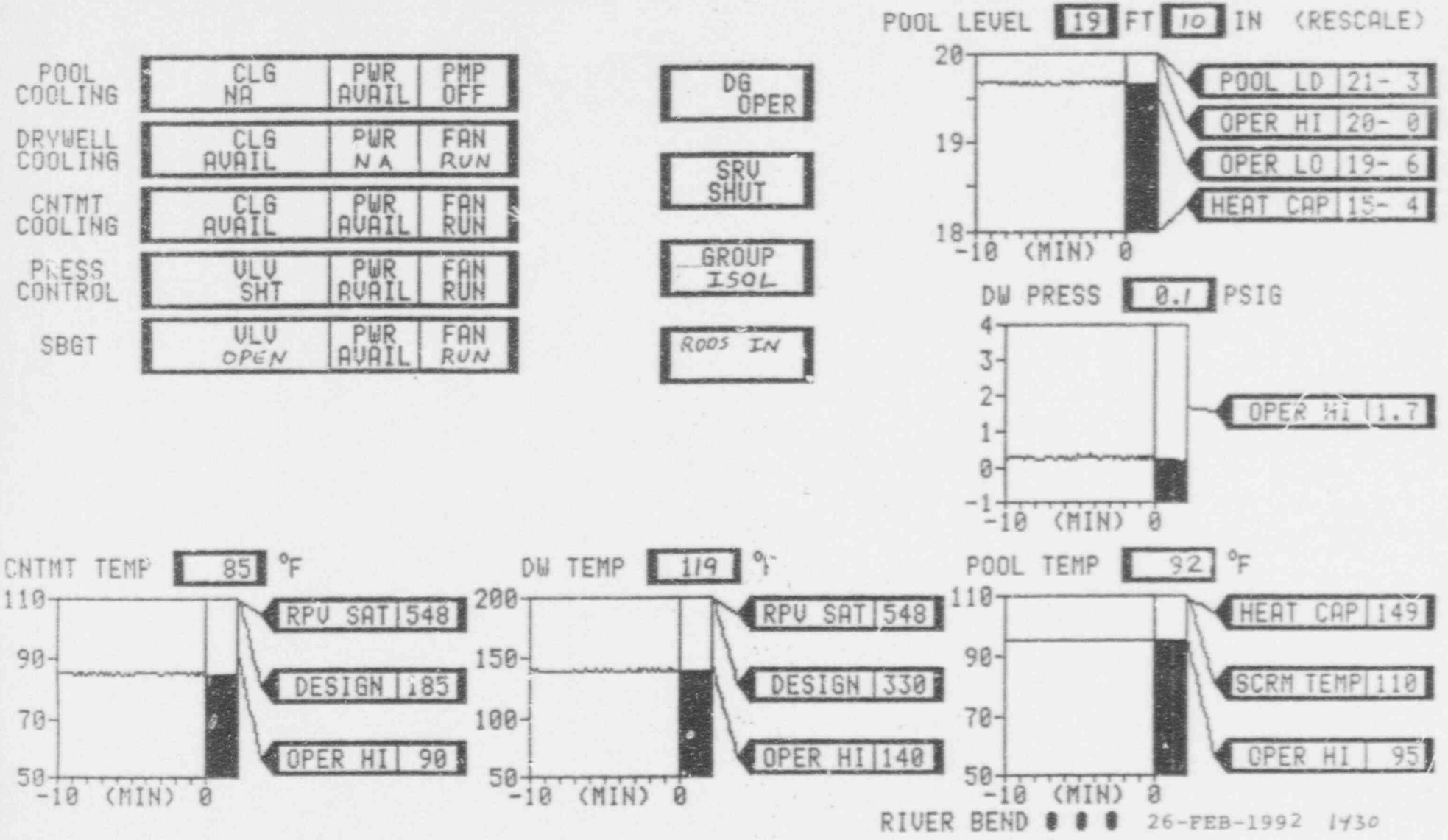
MSIV SHUT

GROUP ISOL

RODS IN



030 RPV NORMAL CONTAINMENT CONTROL--NR



1992 EVALUATED EXERCISE
Message Number: 28

Clock Time = 1430
Scenario Time = 06/45

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING	ID NUMBER	LOCATION (TYPE)	READING
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	1000 R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	10 mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	2000 R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	10 mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	OSH mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	10 mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	OSH mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	5.0 mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	OSH mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	5.0 mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	OSH mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	5.0 mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	OSH mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	5.0 mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4 mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	5.0 mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0 mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	10 mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2 mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	10 mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3 mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	10 mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28 mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	10 mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	0.4* mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	OSH mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	0.2* mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	10 mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	0.5* mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	10 mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	0.3* mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	10 mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	10 mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	10 mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	10 mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	10 mR/hr

Revision 1
12/20/91

[redacted] - Indicates Alarming
OSH - Indicates Offscale High
All other ARMs are "as read"

* Note: Levels drop based on sump being pumped and contamination being washed down drain.

1992 EVALUATED EXERCISE

Message Number: 28

Clock Time = 1430

Scenario Time = 06/45

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	7.5E-07	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	4.2E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	5.0E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	2.8E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	1.1E-06	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	1.1E-06	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	1.1E-06	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	5.0E+01	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	8.0E-06	µCi/cc	Off Gas Pre-treatment Monitor		0	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	4.4E-06	µCi/cc	Off Gas Post-treatment Monitor		0	cpm
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc	Main Steam Line Radiation Monitor		1000	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc	Main Steam Line Radiation Monitor		1000	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	3.8E-06	µCi/cc	Main Steam Line Radiation Monitor		1000	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	1.1E-06	µCi/cc	Main Steam Line Radiation Monitor		1000	mR/hr

[ ] - Indicates Alarming

CSH - Indicates Offscale High

All other Process Monitors are "as read"

Revision 1

12/20/91

1992 EVALUATED EXERCISE

Message Number = 29

Clock Time = 1445

Scenario Time = 07/00

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Control Room

Plant Status Update

1992 EVALUATED EXERCISE

Message Number = 29

Clock Time = 1445

Scenario Time = 07/00

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:

Expected Actions:

Monitor plant and environmental conditions.

Consolidate recovery plans.

1992 EVALUATED EXERCISE
Message Number - 29

Rev. 1 - 12/20/91

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

Clock Time - 1445
Scenario Time - 07/00

PANEL 601/877

	Status	Press	Flow
RHR A	OOS		0
RHR B	SDC		5200
RHR C	SS		0
LPCS	OOS		0
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	0	70	WR

DIV I	DIESEL	OP
DIV II	DIESEL	OP
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC.MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL 40 NR

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1B	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 808

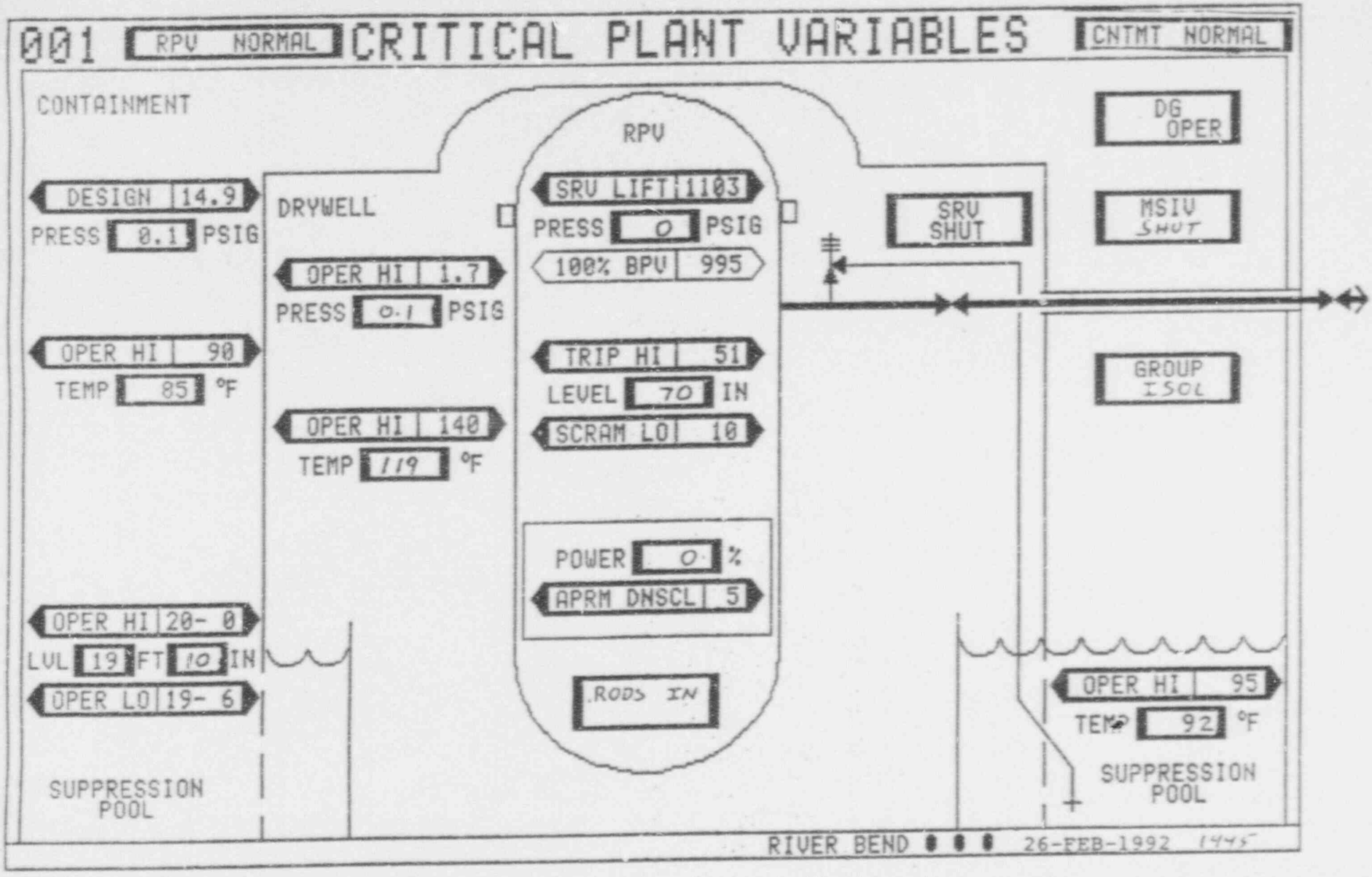
	Press	Temp	Level
DRYWELL	0.1	119°	
CTMT	0.1	85°	
SPR PL		92°	19'10"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OP	SSW P2D	OP

PANEL 863

SGTS A	OP	SGTS B	SS
D/W COOLERS OPERATING			B C D E
CTMT COOLERS OPERATING			AB


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
RPV
DG OPER
DESIGN 14.9
PRESS 0.1 PSIG
DRYWELL
SRV LIFT 1103
PRESS 0 PSIG
100% BPV 995
SRV SHUT
MSIV SHUT
OPER HI 1.7
PRESS 0.1 PSIG
OPER HI 90
TEMP 85 °F
TRIP HI 51
LEVEL 70 IN
GROUP ISOL
OPER HI 140
TEMP 119 °F
SCRAM LO 10
POWER 0 %
APRM DNSCL 5
OPER HI 20- 0
LVL 19 FT 10 IN
OPER LO 19- 6
RODS IN
OPER HI 95
TEMP 92 °F
SUPPRESSION POOL
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 1445

021

RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP RUN
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG OPER

SRV SHUT

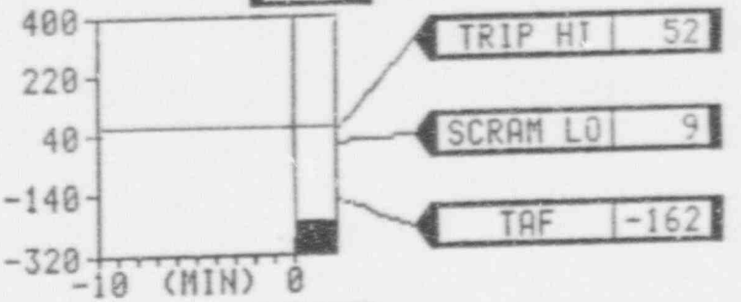
MSIV SHUT

GROUP ISOL

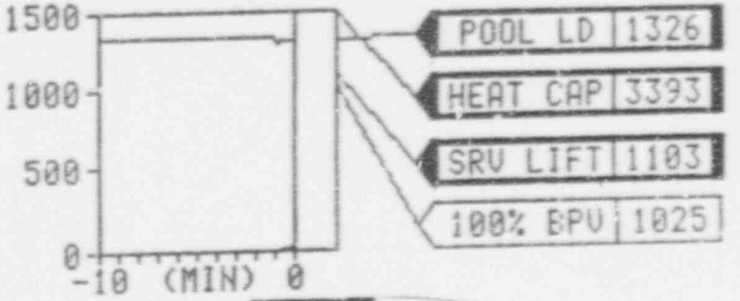
RODS IN

CNTMT NORMAL

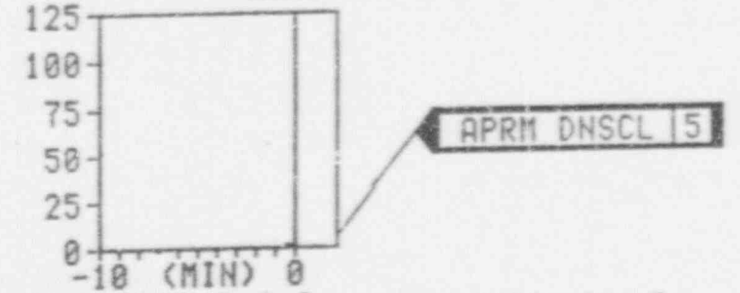
RPV LEVEL 232 IN >TAF
70 IN



RPV PRESS 0 PSIG



RX POWER 0 %



RIVER BEND 26-FEB-1992 1445

030 RPV NORMAL CONTAINMENT CONTROL--

POOL COOLING	CLG NA	PWR AVAIL	PMP OFF
DRYWELL COOLING	CLG AVAIL	PWR NA	FAN RUN
CNTMT COOLING	CLG AVAIL	PWR AVAIL	FAN RUN
PRESS CONTROL	VLV SHT	PWR AVAIL	FAN RUN
SBGT	VLV OPEN	PWR AVAIL	FAN RUN

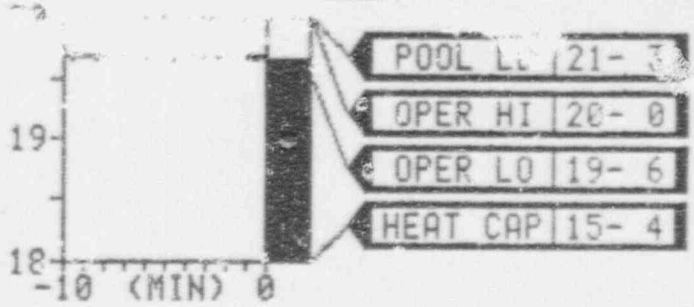
DG OPER

SRV SHUT

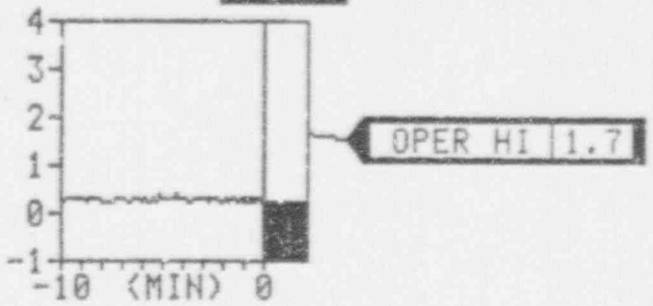
GROUP ISOL

RODS IN

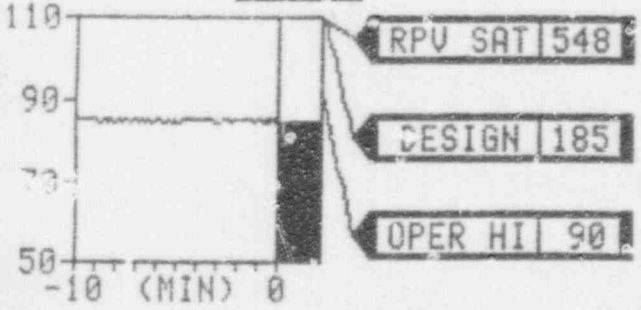
POOL [illegible] 10 (RESCALE)



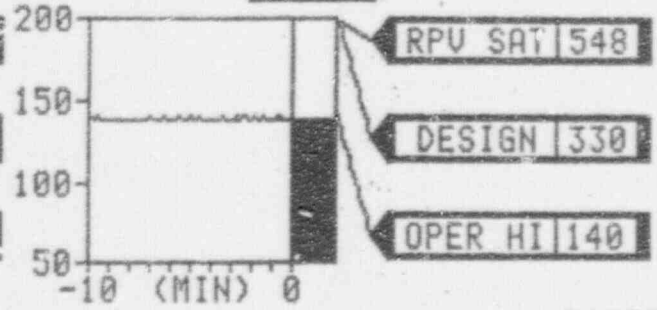
DW PRESS 0.1 PSIG



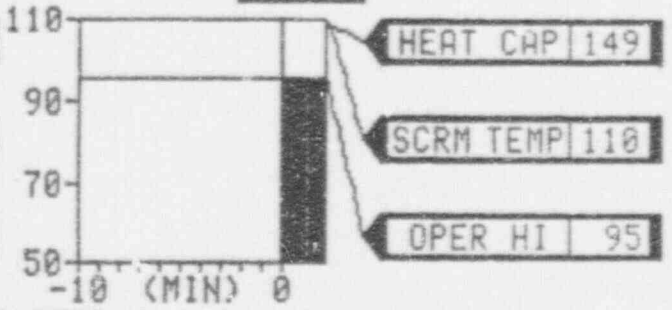
CNTMT TEMP 85 °F



DW TEMP 119 °F



POOL TEMP 92 °F



RIVER BEND 26-FEB-1992 1445

1992 EVALUATED EXERCISE
Message Number: 29

Clock Time = 1445
Scenario Time = 07:00

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING	ID NUMBER	LOCATION (TYPE)	READING
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	1000 R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	10 mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	2000 R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	10 mR/hr
RE-21A,B	Ctmt. Purge Isol. R.B. 141' (ARM)	OSH mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	10 mR/hr
RE-139	Annul. Near Trans. Tube 114' (ARM)	OSH mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	5.0 mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	OSH mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	5.0 mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	OSH mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	5.0 mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	OSH mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	5.0 mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4 mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	5.0 mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0 mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	10 mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2 mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	10 mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3 mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	10 mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28 mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	10 mR/hr
RE-182	Recovery Sample Tank R.W. 95' (ARM)	0.4* mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	OSH mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	0.2* mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	10 mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	0.5* mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	10 mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	0.3* mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	10 mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	10 mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	10 mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	10 mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	10 mR/hr

[redacted] - Indicates Alarming
OSH - Indicates Offscale High
All other ARMs are "as read"

Revision 1
12/20/91

* Note: Levels drop based on sump being pumped and contamination being washed down drain.

1992 EVALUATED EXERCISE
Message Number: 29

Clock Time = 1445
Scenario Time = 07/00

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	7.5E-07	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	4.2E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	5.0E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	2.8E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	1.1E-06	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	1.1E-06	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	1.1E-06	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	5.0E+01	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	8.0E-06	µCi/cc	Off Gas Pre-treatment Monitor		0	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	4.4E-06	µCi/cc	Off Gas Post-treatment Monitor		0	cpm
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc	Main Steam Line Radiation Monitor		1000	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc	Main Steam Line Radiation Monitor		1000	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	3.8E-06	µCi/cc	Main Steam Line Radiation Monitor		1000	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	1.1E-06	µCi/cc	Main Steam Line Radiation Monitor		1000	mR/hr

- Indicates Alarming
OSH - Indicates Offscale High
All other Process Monitors are "as read"

Revision 1
12/20/91

1992 EVALUATED EXERCISE

Message Number = 30

Clock Time = 1500

Scenario Time = 07/15

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

MESSAGE

*** THIS IS A DRILL ***

Message To: Recovery Manager

The Exercise may be terminated with concurrence of the Lead Exercise Controller.

1992 EVALUATED EXERCISE

Message Number = 30

Clock Time = 1500

Scenario Time = 07/15

RIVER BEND STATION

EMERGENCY PREPAREDNESS EXERCISE

CONTROLLER INFORMATION

*** THIS IS A DRILL ***

Controller Information:	Expected Actions:
Deliver this message after all objectives have been evaluated.	Announce termination of Gaitronics and commence facility critiques.

1992 EVALUATED EXERCISE
Message Number - 30

Rev. 1 - 12/20/91

Clock Time - 1500
Scenario Time - 07/15

RIVER BEND STATION
EMERGENCY PREPAREDNESS EXERCISE
CONTROL ROOM DATA

PANEL 601/877

	Status	Press	Flow
RHR A	OOS		0
RHR B	SDC		5200
RHR C	SS		0
LPCS	OOS		0
RCIC	OOS	0	0
HPCS	OOS	0	0
CRD A	OOS	0	0
CRD B	OOS	0	0

	Squib	Press	Level
SLC A	LT ON	0	2000
SLC B	LT ON	0	

	Press	Level	Range
RPV	0	70	WR

DIV I	DIESEL	OP
DIV II	DIESEL	OP
DIV III	DIESEL	OP

OP=OPERATING
OOS=OUT OF SERVICE
AV=AVAILABLE
SR=STANDBY READY
SS=SECURED STATUS
ISOL=ISOLATED

PANEL 601

SRV	RED	GRN	AC.MN
F041A	OFF	ON	OFF
F041B	OFF	ON	OFF
F041C	OFF	ON	OFF
F041D	OFF	ON	OFF
F041F	OFF	ON	OFF
F041G	OFF	ON	OFF
F041L	OFF	ON	OFF
F047A	OFF	ON	OFF
F047B	OFF	ON	OFF
F047C	OFF	ON	OFF
F047D	OFF	ON	OFF
F047F	OFF	ON	OFF
F051B	OFF	ON	OFF
F051C	OFF	ON	OFF
F051D	OFF	ON	OFF
F051G	OFF	ON	OFF

MSIV	RED	GRN
F022A	OFF	ON
F022B	OFF	ON
F022C	OFF	ON
F022D	OFF	ON
F028A	OFF	ON
F028B	OFF	ON
F028C	OFF	ON
F028D	OFF	ON

PANEL 680

POWER 0% APRM LEVEL 40 NR

CNS P1A	SS	FWS P1A	SS
CNS P1B	SS	FWS P1B	SS
CNS P1C	SS	FWS P1C	SS

Total Feedwater Flow 0 Mlbs./hr

PANEL 808

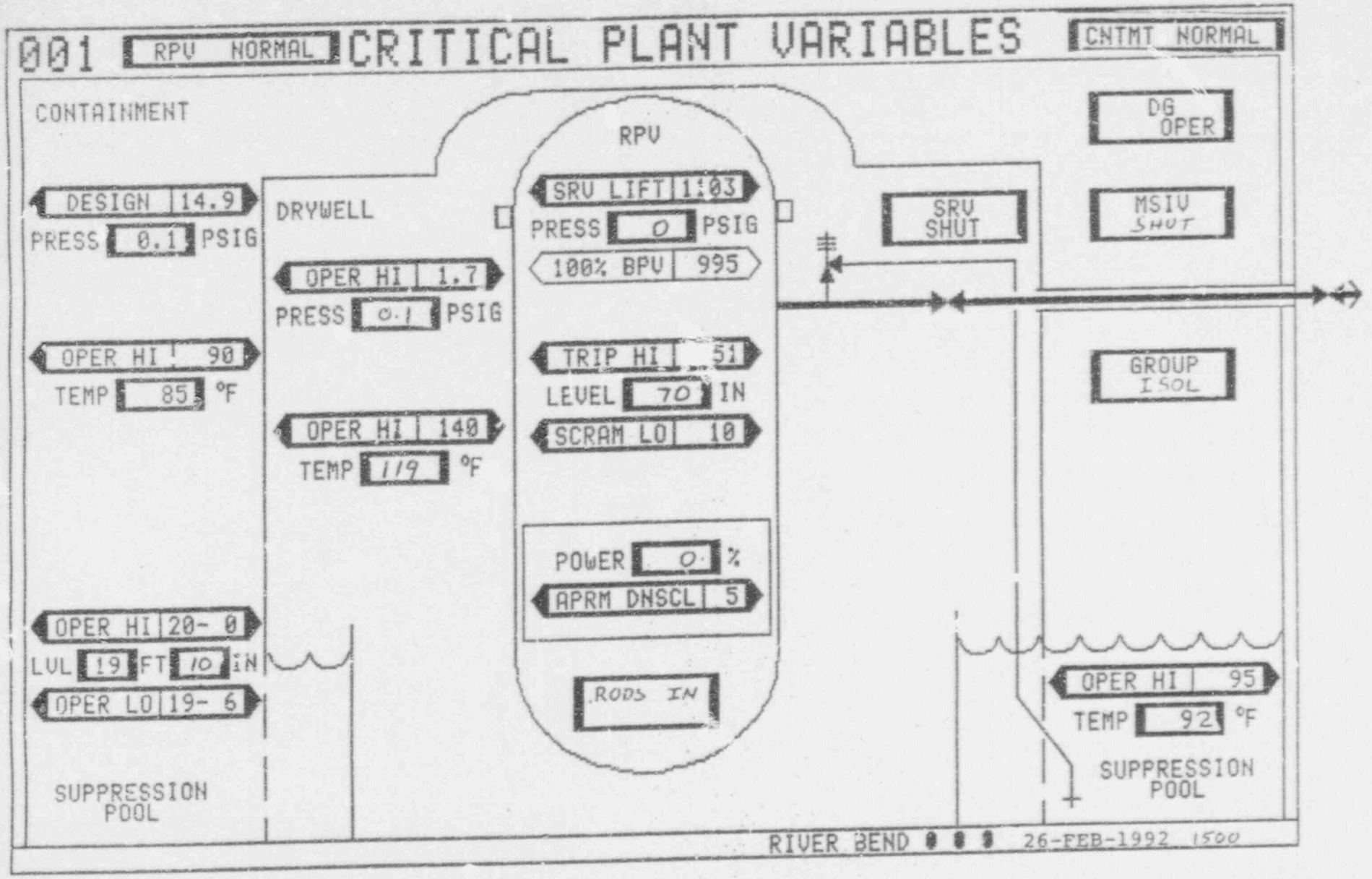
	Press	Temp	Level
DRYWELL	0.1	119°	
CTMT	0.1	85°	
SPR PL		92°	19'10"

PANEL 870/601

SSW P2A	OP	SSW P2C	OP
SSW P2B	OP	SSW P2D	OP

PANEL 863

SGTS A	OP	SGTS B	SS
D/W COOLERS OPERATING			A B C D E
CTMT COOLERS OPERATING			A B


001
RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
CONTAINMENT
RPV
DG OPER
DESIGN 14.9
PRESS 0.1 PSIG
DRYWELL
SRV LIFT 1:03
PRESS 0 PSIG
100% BPV 995
SRV SHUT
MSIV SHUT
OPER HI 1.7
PRESS 0.1 PSIG
OPER HI 90
TEMP 85 °F
TRIP HI 51
LEVEL 70 IN
GROUP ISOL
OPER HI 140
TEMP 119 °F
SCRAM LO 10
POWER 0 %
APRM DNSCL 5
OPER HI 20- 0
LVL 19 FT 10 IN
OPER LO 19- 6
RODS IN
OPER HI 95
TEMP 92 °F
SUPPRESSION POOL
SUPPRESSION POOL
RIVER BEND
26-FEB-1992 1500

021 RPV CONTROL--NR/PWR

CNDS/FW	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
CRD	WTR AVAIL	RPV PR	PWR NA	PMP OFF
RCIC	WTR AVAIL	RPV PR	PWR NA	PMP OFF
HPCS	WTR AVAIL	RPV PR	PWR AVAIL	PMP OFF
LPCS	WTR AVAIL	RPV PR HI	PWR AVRIL	PMP OFF
LPCI	WTR AVAIL	RPV PR HI	PWR AVAIL	PMP OFF
SHTDN COOLING	CLG NA	RPV PR HI	PWR AVAIL	PMP RUN
RWCU	CLG AVAIL		PWR AVAIL	PMP OFF
TURBINE CONTROL	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
TURBINE BYPASS	CLG NA	VAC NA	H.PWR AVAIL	VLV SHT
MSL DRAINS	CLG NA		V.PWR AVAIL	VLV SHT
SLC	LIQ AVAIL		PWR AVAIL	PMP OFF

DG OPER

SRV SHUT

MSIV SHUT

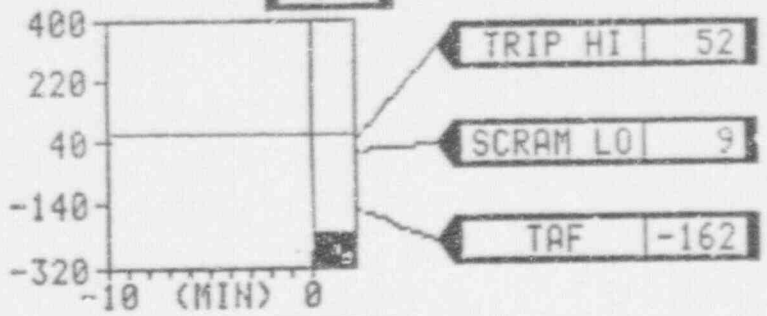
GROUP ISOL

RODS IN

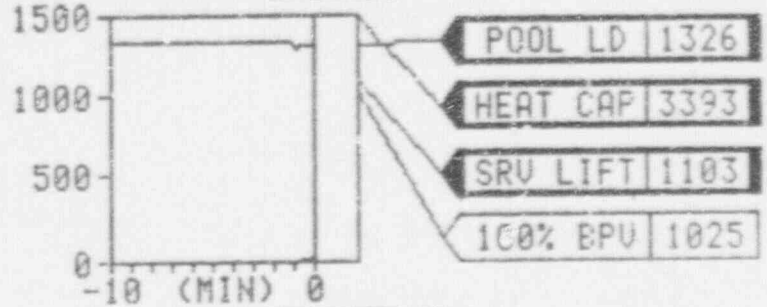
CNTMT NORMAL

RPV LEVEL 232 IN >TAF

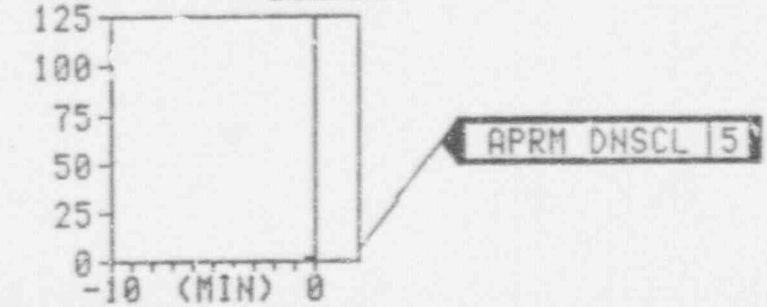
70 IN



RPV PRESS 0 PSIG



RX POWER 0 %



RIVER BEND 26-FEB-1992 1500

030 RPV NORMAL CONTAINMENT CONTROL--NR

POOL COOLING	CLG NA	PWR AVAIL	PMP OFF
DRYWELL COOLING	CLG AVAIL	PWR NA	FAN RUN
CNTMT COOLING	CLG AVAIL	PWR AVAIL	FAN RUN
PRESS CONTROL	VLV SHT	PWR AVAIL	FAN RUN
SBGT	VLV OPEN	PWR AVAIL	FAN RUN

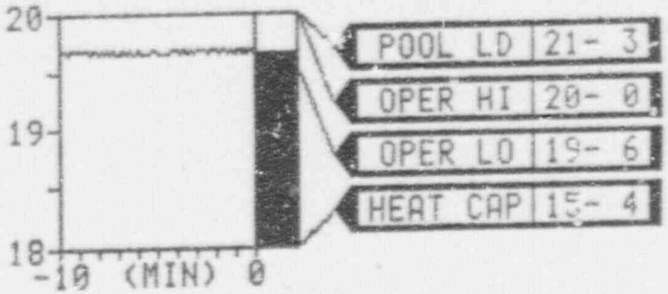
DG OPER

SRV SHUT

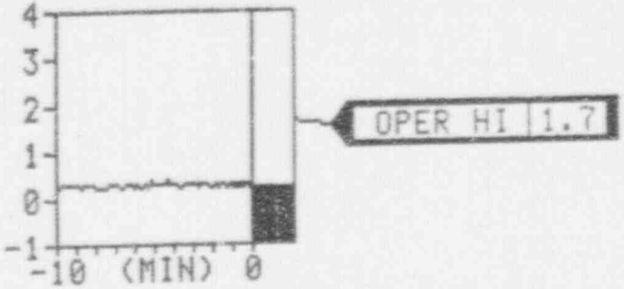
GROUP ISOL

RODS IN

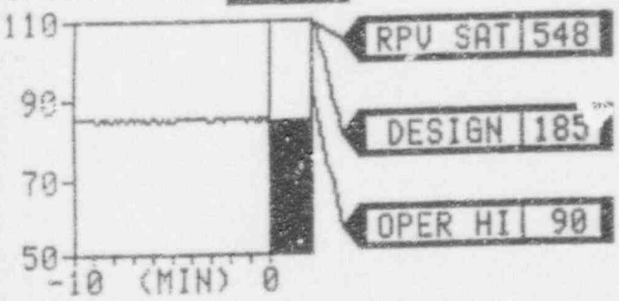
POOL LEVEL 19 FT 10 IN (RESCALE)



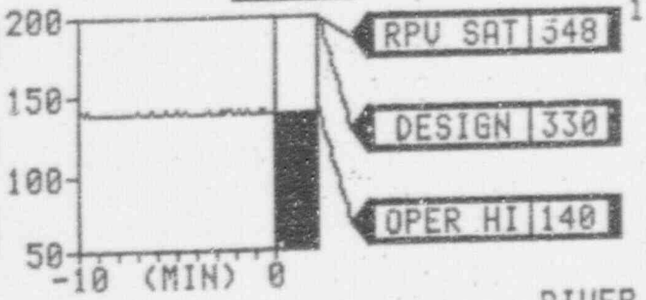
DW PRESS 0.1 PSIG



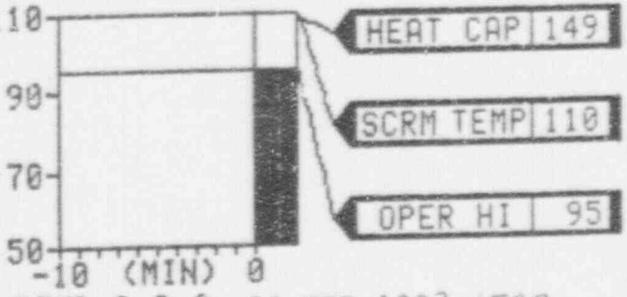
CNTMT TEMP 85 °F



DW TEMP 119 °F



POOL TEMP 92. °F



RIVER BEND 26-FEB-1992 1500

1992 EVALUATED EXERCISE
Message Number: 30

Clock Time - 1500
Scenario Time = 07/15

RIVER BEND STATION
EMERGENCY PREPAREDNESS DRILL
DRMS MONITORS

ID NUMBER	LOCATION (TYPE)	READING	ID NUMBER	LOCATION (TYPE)	READING
RE-16A,B	Ctmt. PAM R.B. 186' (DHRRM)	1000 R/hr	RE-194	Supt. Rm. Trans. Tube F.B. 123' (ARM)	10 mR/hr
RE-20A,B	Drywell PAM D.W. 114' (DHRRM)	2000 R/hr	RE-195	Sample Sink Area F.B. 95' (ARM)	10 mR/hr
RE-21A,B	Cond. Purge Isol. R.B. 141' (ARM)	OSH mR/hr	RE-196	Equip. Drain Sump F.B. 70' (ARM)	10 mR/hr
RE-139	Annex Hear Trans. Tube 114' (ARM)	OSH mR/hr	RE-200	North Hoist Area T.B. 123' (ARM)	5.0 mR/hr
RE-141	Refuel. Floor South R.B. 186' (ARM)	OSH mR/hr	RE-201	Cond. Air Removal Pmp. Area T.B. 95' (ARM)	5.0 mR/hr
RE-146	Containment Airlock F.B. 114' (ARM)	OSH mR/hr	RE-202	Rx Feedwater Pump Area T.B. 67' (ARM)	5.0 mR/hr
RE-151	Sample Station Area R.B. 162' (ARM)	OSH mR/hr	RE-203	Turb. Bldg. Sample Rm. T.B. 67' (ARM)	5.0 mR/hr
RE-162	O.G. Bldg. Regen. Area O.G. 67' (ARM)	0.4 mR/hr	RE-204	Cond. Demin. Sample Rack T.B. 95' (ARM)	5.0 mR/hr
RE-164	O.G. Bldg Sample Area O.G. 123' (ARM)	2.0 mR/hr	RE-210	PASS Panel A.B. 114' (ARM)	10 mR/hr
RE-165	Cond Demin Regen Area O.G. 67' (ARM)	9.2 mR/hr	RE-211	Control Rod Drive A.B. 95' (ARM)	10 mR/hr
RE-166	Cond Demin Strnr. Area O.G. 95' (ARM)	0.3 mR/hr	RE-212	HPCS Area East A.B. 70' (ARM)	10 mR/hr
RE-167	O.G. Bldg. Valve Area O.G. 137' (ARM)	28 mR/hr	RE-213	RHR A Area West A.B. 70' (ARM)	10 mR/hr
RE-182	Recovery Sample Tank R.W. 65' (ARM)	0.4* mR/hr	RE-214	RHR B Area East A.B. 70' (ARM)	OSH mR/hr
RE-185	Storage Tank Area R.W. 90' (ARM)	0.2* mR/hr	RE-215	RHR C Area A.B. 70' (ARM)	10 mR/hr
RE-186	Floor Drain Sump Area R.W. 65' (ARM)	0.5* mR/hr	RE-216	LPCS Area West A.B. 70' (ARM)	10 mR/hr
RE-187	High Cond. Sump Area R.W. 65' (ARM)	0.3* mR/hr	RE-217	HPCS Penetration Area East A.B. 70' (ARM)	10 mR/hr
RE-192	Refuel Floor South F.B. 113' (ARM)	10 mR/hr	RE-218	LPCS Penetration Area West A.B. 70' (ARM)	10 mR/hr
RE-193	Refuel Floor North F.B. 113' (ARM)	10 mR/hr	RE-219	RCIC Area West A.B. 70' (ARM)	10 mR/hr

- Indicates Alarming
OSH - Indicates Offscale High
All other ARMs are "as read"

Revision 0
12/20/91

* Note: Levels drop based on sump being pumped and contamination being washed down drain.

1992 EVALUATED EXERCISE

Message Number: 30

Clock Time = 1500

Scenario Time = 07/15

RIVER BEND STATION

EMERGENCY PREPAREDNESS DRILL

PROCESS MONITORS

ID NUMBER	LOCATION (TYPE)	READING		ID NUMBER	LOCATION (TYPE)	READING	
RE-5A	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111P	Cont. Atmosphere (PART)	7.3E-07	µCi/cc
RE-5B	Fuel Bldg. Vent Exh. (WRGM)	1.3E+00	µCi/sec	RE-111G	Cont. Atmosphere (GAS)	4.1E-05	µCi/cc
RE-6A	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112P	Drywell Atmosphere (PART)	4.9E-07	µCi/cc
RE-6B	Radwaste Bldg. Vent Exh. (WRGM)	5.7E-01	µCi/sec	RE-112G	Drywell Atmosphere (GAS)	2.8E-05	µCi/cc
1GE-125	Main Plant Exh. Duct (WRGM)	1.1E-06	µCi/cc	RE-103	SGTS Effluent (GAS)	2.0E-06	µCi/cc
2GE-125	Main Plant Exh. Duct (WRGM)	1.1E-06	µCi/cc	RE-116	Containment Purge (GAS)	3.0E-06	µCi/cc
3GE-125	Main Plant Exh. Duct (WRGM)	1.1E-06	µCi/cc	RE-11A	Annulus Exhaust (GAS)	2 [illegible]	µCi/cc
4GE-125	Main Plant Exh. Duct (WRGM)	5.0E+01	µCi/sec	RE-11B	Annulus Exhaust (GAS)	2.5E-08	µCi/cc
RE-110P	Aux. Bldg. Vent (PART)	2.0E-12	µCi/cc				
RE-110G	Aux. Bldg. Vent (GAS)	3.0E-08	µCi/cc				
RE-118P	Turbine Bldg. Vent (PART)	8.0E-06	µCi/cc	Off Gas Pre-treatment Monitor		0	mR/hr
RE-118G	Turbine Bldg. Vent (GAS)	4.4E-06	µCi/cc	Off Gas Post-treatment Monitor		0	cpm
RE-124P	C.D./O.G. Bldg. Vent (PART)	2.0E-09	µCi/cc	Main Steam Line Radiation Monitor		1000	mR/hr
RE-124G	C.D./O.G. Bldg. Vent (GAS)	2.0E-07	µCi/cc	Main Steam Line Radiation Monitor		1000	mR/hr
RE-126P	Main Plant Exh. Duct (PART)	3.8E-06	µCi/cc	Main Steam Line Radiation Monitor		1000	mR/hr
RE-126G	Main Plant Exh. Duct (GAS)	1.1E-06	µCi/cc	Main Steam Line Radiation Monitor		1000	mR/hr

[illegible] - Indicates Alarming

OSH - Indicates Offscale High

All other Process Monitors are "as read"

Revision 1

12/20/91

SECTION 8.2

SUPPLEMENTAL SCENARIOS

SUPPLEMENTAL SCENARIOS: 1992 EVALUATED EXERCISE

This section contains the supplemental scenario packages for the following events in the scenario:

Scenario	Description
	Preferred Station Transformer 1RTX-XSR1C OOS; Electrical distribution line-ups.
2.	1EGS-EG1B (Division II Diesel) Out of Service
3.	Flange break at six-way valve during radwaste transfer
4.	Feedwater line break
5.	HPCS fails to initiate due to a mechanical failure
6.	RHR pump damaged due to explosion
7.	RCIC steam line break
8.	Loss of LPCS

In general, each supplemental scenario package provides the following information:

- Approximate time event is postulated to be initiated;
- Location(s);
- Brief descriptions of events and significance to the overall scenario,
- Description of any pre-staging required to support the events;
- Methods by which drill participants are initially notified of the events (e.g. Control Room annunciator(s), phone call, etc.);
- Detailed supporting information/data, including any messages to be handed out to participants;
- Controller notes, to ensure that controllers have appropriate background and other supporting information to ensure that accurate data is provided to players;
- Restoration guidelines, which identify any constraints regarding whether and when the system or equipment may be made available to support the response.

1992 EVALUATED EXERCISE
SUPPLEMENTAL SCENARIO NO. 1

Preferred Station Transformer 1RTX-XSR1C Out of Service
Electrical Distribution Line-ups

Approximate Time(s):

Transformer 1RTX-XSR1C is out of service as an initial condition and remains unavailable for the duration of the exercise.

Location:

Transformer yard and Switchgear Room

Description of Events:

Many of the significant events in this scenario are initiated by losses of electrical buses and switchgears, and require changes to the electrical distribution line-ups to restore power to equipment. This supplemental scenario describes changes to the distribution at each of several times in the scenario, the load centers/loads lost, and the actions required of the players to respond to the sequence of events.

If the operators attempt to re-energize 1ENS*SWG1B from Preferred Station Transformer 1RTX-XSR1D, breaker 1ENS*ACB06 will not close.

Due to misalignment of the charging motor and improper clearances between the driving pawls, latching pawls and the ratchet assembly, the 4160V breaker mechanism is binding up. Several of the ratchet teeth are chipped and worn. The latching pawl is cracked and doesn't engage the ratchet assembly properly. The shaft is also bent creating further misalignment problems. (See Sheet 3.)

Pre-staging:

None

Initial Indications:

Breaker alignment on P-870 is as indicated on Sheet 1.

Supporting Information:

Initial Conditions

The transformer is tagged out because of indications of high winding temperatures. The electrical distribution line-up is as shown on the attached diagram. (See Sheet 1.)

0845

The next major change occurs immediately after the scram and turbine trip, when Preferred Station Transformer 1RTX-XSR1D is lost on an undervoltage condition due to improper load sequencing following the LOCA signal. The result is a loss of power to 1NNS-SWG1B, 1NNS-SWG1C and 1ENS*SWG1B. 1E22-S004 and 1ENS*SWG1A are re-energized by their respective diesel generators. (See Sheet 2.)

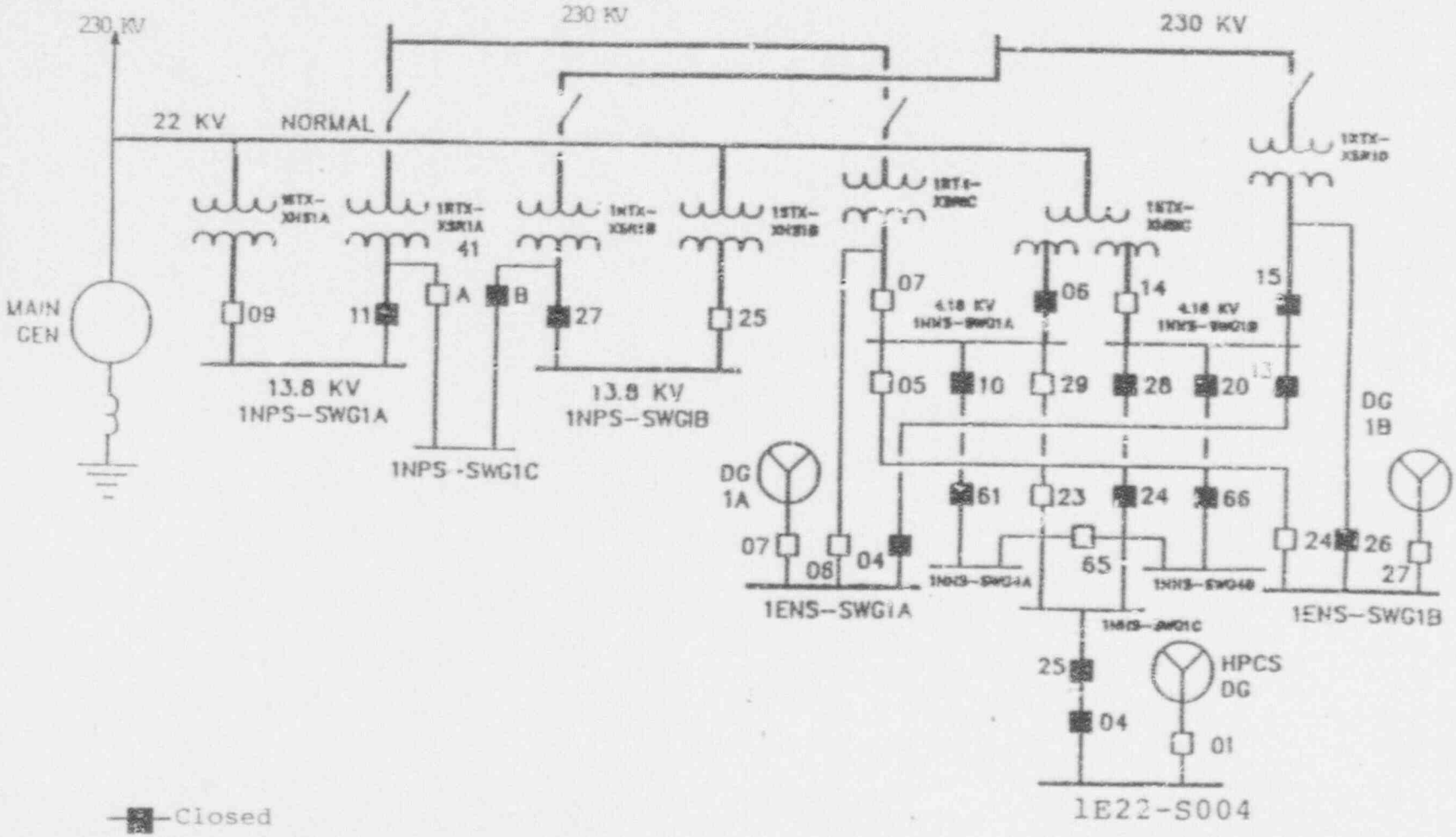
Controller Notes:

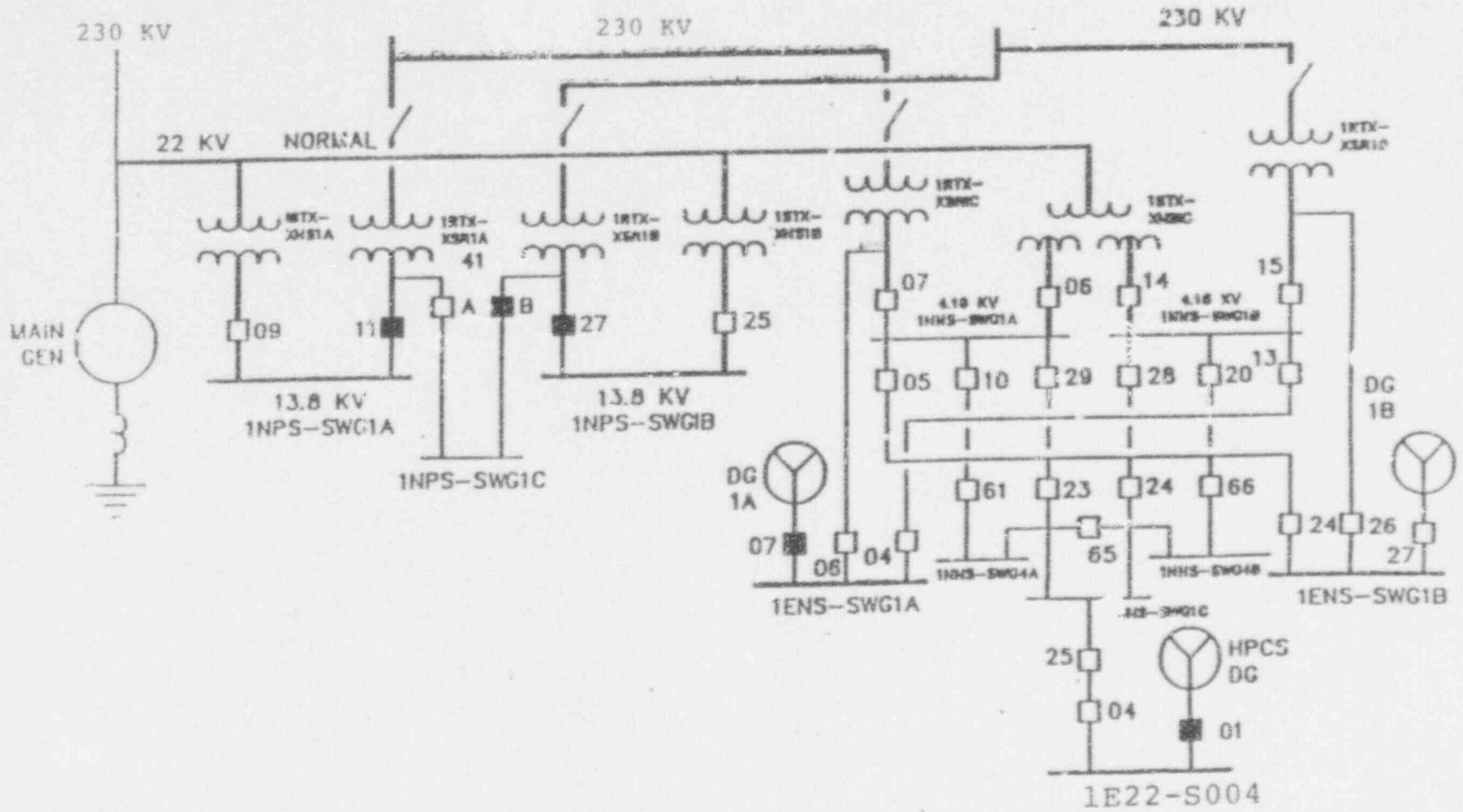
- 1ENS*ACB06 cannot be operated to the CLOSE position.
- The controller should indicated that the jacking screw appears to be binding up as the electricians attempt to rack the breaker out to its TEST position.

Restoration Guidelines:

- The controller should ensure that the breaker is repaired/replaced no sooner than 1400.

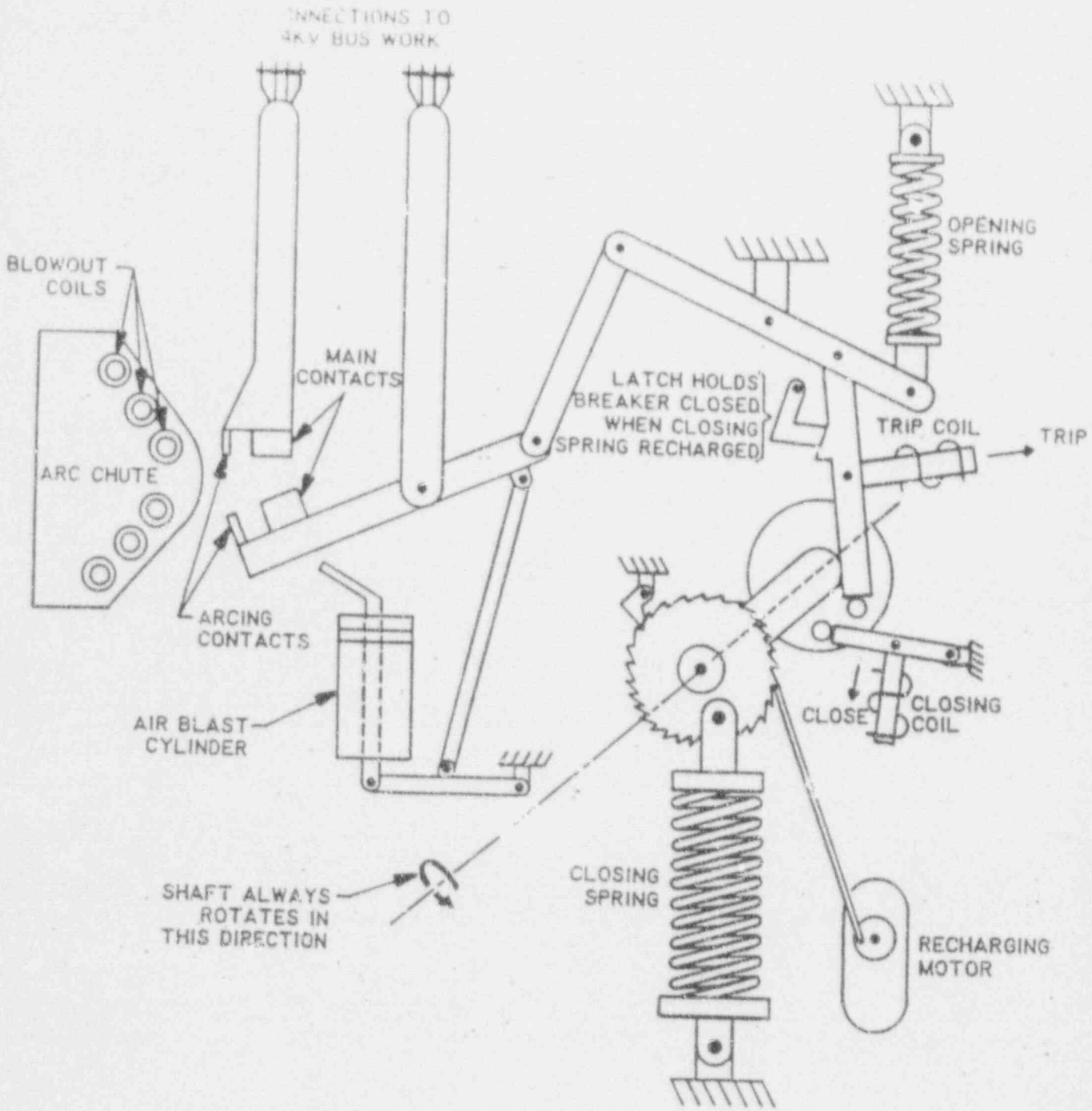
Sheet #1
I.C.


230 KV
230 KV
230 KV
22 KV
NORMAL
MAIN GEN
09
11
A
B
27
25
41
13.8 KV
1NPS-SWG1A
13.8 KV
1NPS-SWG1B
1NPS-SWG1C
07
06
14
15
4.16 KV
4.16 KV
05
10
29
28
20
13
DG
1A
DG
1B
61
23
24
66
07
08
04
65
24
26
27
1ENS-SWG1A
1ENS-SWG1B
25
04
HPCS
DG
01
1E22-S004
Closed
Open


230 KV
230 KV
230 KV
22 KV NORMAL
MAIN GEN
09
11
41
A
B
27
25
13.8 KV 1NPS-SWG1A
1NPS-SWG1C
13.8 KV 1NPS-SWG1B
07
06
14
15
4.16 KV
05
10
29
28
20
13
DG 1B
DG 1A
61
23
24
66
07
06
04
65
24
26
27
1ENS-SWG1A
1ENS-SWG1B
25
04
HPCS DG
01
1E22-S004

Closed

Open



4KV Breaker Simplified Conceptual Diagram Shown Open With Closing Spring Charged

1992 EVALUATED EXERCISE
SUPPLEMENTAL SCENARIO NO. 2

1EGS-EG1B (Division II Diesel) Out of Service

Approximate Time(s):

The Division II Diesel Generator is out of service as an initial condition.

Location:

Division II Diesel Generator Room

Description of Event:

The Division II Diesel Generator failed to attain rated speed within 10 seconds during the performance of surveillance testing required by Technical Specification 3.8.1.1. As a result, the diesel was declared inoperable.

Pre-staging:

None

Initial Conditions:

The maintenance mode selector switches on P870 in the Control Room and on the local control panel are in the maintenance position.

The maintenance mode LO SOL ENERGIZED status light on P870 is energized.

Supporting Information:

The diesel failed to obtain rated speed due to a failure of voltage - dropping resistors in the power supply circuitry of the electric governor as described in NRC Information Notice 90-51, Supplement 1.

Controller Notes:

If the operators attempt to start the diesel, it will start but speed fluctuates between 250 and 400 RPMs.

Restoration Guidelines:

Restoration will require maintenance to obtain and simulate replacing the resistor assembly. The diesel generator must be returned to service no earlier than 1315 and no later than 1330.

UNITED STATES
NUCLEAR REGULATORY COMMISSION
OFFICE OF NUCLEAR REACTOR REGULATION
WASHINGTON, D.C. 20555

October 24, 1991

NRC INFORMATION NOTICE 90-51, SUPPLEMENT 1: FAILURES OF VOLTAGE-DROPPING RESISTORS IN THE POWER SUPPLY CIRCUITRY OF ELECTRIC GOVERNOR SYSTEMS

Addressees

All holders of operating licenses or construction permits for nuclear power reactors.

Purpose

The U.S. Nuclear Regulatory Commission (NRC) is issuing this information notice supplement to alert addressees to a recent failure of a voltage-dropping resistor in the power supply for the electronic control module of an emergency diesel generator (EDG) governor system at the Waterford Steam Electric Station. The resistor had been in service for approximately 15 months. The resistor failure resulted in the inoperability of the EDG. It is expected that recipients will review the information for applicability to their facilities and consider actions, as appropriate, to avoid similar problems. However, suggestions contained in this information notice are not NRC requirements; therefore, no specific action or written response is required.

Description of Circumstances

On August 20, 1991, at the Waterford Steam Electric Station (Waterford), EDG "A" failed to maintain rated speed following a successful start during a surveillance test. After reaching rated speed of 600 rpm, engine speed began to fluctuate, dropping to a low of 280 rpm. This prompted the licensee to shut down the EDG and declare it inoperable. The licensee performed an investigation and determined that the speed anomaly resulted from the failure of one of the two voltage-dropping resistors in the power supply for the electronic control module for the governor system on the EDG. The NRC staff described this failure mode in NRC Information Notice (IN) 90-51, issued August 8, 1990.

In IN 90-51, the staff discussed failures of voltage-dropping resistors in the power supplies for the electronic control modules for EDGs at the Commonwealth Edison Company's (CEC's) Braidwood and Byron Stations. CEC conducted a root cause analysis and concluded that normal "aging" was the most likely cause of the resistor degradation or failure. CEC subsequently began a preventive maintenance program that included periodic replacement of the voltage-dropping resistors. After reviewing the original information notice, the Waterford licensee instituted a preventive maintenance program to replace the resistors every 18 months. However, the resistor that recently failed at the

Waterford Station had been in service for only about 15 months after having been replaced as part of the newly adopted preventive maintenance program. Although this is the only early failure of these voltage-dropping resistors of which the NRC staff is aware, it appears that these resistors can prematurely fail even before 18 months and that periodic replacement may not ensure adequate availability of the EDGs to perform their intended function.

Following the publication of IN 90-51, Woodward Governor Company (Woodward) stated, in a letter to the NRC, that they did not concur with using periodic replacement of the two resistors, of the original design, as an acceptable preventive maintenance procedure. Woodward stated that whenever the battery charging system is in operation, system voltage approached the design capacity of the dual resistor assembly. The higher voltage developed by the charging system caused more current to flow through the resistors, resulting in more heat generation. The increased heat generated at the higher voltage level would tend to reduce the life expectancy of the assembly.

The letter from Woodward described the design of the governor control system and stated that several product improvements had been made that offer certain advantages over the original design. Specifically, the letter stated that a replacement assembly for the dual voltage-dropping resistor configuration had been developed. The replacement assembly substitutes a single resistor for the dual resistor design. Besides the fact that the single resistor assembly is of greater thermal capacity than the dual resistor assembly, the letter states that, because of the design of the governor system, use of the single resistor has distinct advantages over the dual resistor configuration.

With the single voltage-dropping resistor of the replacement assembly, a resistor failure would result in a backup mechanical governor taking control of speed. The EDG would then continue to operate at rated speed. The licensee for Waterford has concluded that the new design has advantages over the dual resistor design and has installed the new resistor assembly in each of its EDG governor systems.

This information notice requires no specific action or written response. If you have any questions about the information in this notice, please contact one of the technical contacts listed below or the appropriate Office of Nuclear Reactor Regulation (NRR) project manager.

Charles E. Rossi

Charles E. Rossi, Director
Division of Operational Events Assessment
Office of Nuclear Reactor Regulation

Technical contacts: N. Fields, NRR
(301) 492-1173

O. Chopra, NRR
(301) 492-3265

Attachment: List of Recently Issued NRC Information Notices

1992 EVALUATED EXERCISE
SUPPLEMENTAL SCENARIO NO. 3

Flange break at six-way valve during radwaste transfer

Approximate Time(s): 0800, (00/00)

RWCU backwash receiving tank transfer begins at 0745.

Location:

Radwaste Building, Elevation 95' and 65'

Description of Events:

The Main Control Room is notified at 0745 (initial conditions) that a radwaste transfer is commencing due to the impending backwash and pre-coat of the "B" RWCU filter/demineralizer. At 0800 (00/00), a break occurs on a flange on the six-way valve while the transfer is in progress. The leak allows high activity radwaste to spray out into the Radwaste Building. As the leakage continues, the sludge progresses to unshielded areas in the Radwaste Building causing the Radwaste Building general area radiation levels to increase sharply in the area of the leak. The amount of increase in the ARM readings is >1000 times the normal readings.

These readings will be verified by Radiation Protection personnel. Refer to radiological information presented on tables.

Stopping the transfer and/or isolating the leak will be successful.

Pre-staging:

A controller must be in the Radwaste Control Room at 0745 and in the six-way valve room at 0800.

Initial Conditions:

Area Radiation Monitors alarm locally and in the Control Room.

Supporting Information:

Initial Conditions (0745)

0745

Deliver message SS3-1 to the Radwaste Control Room Operator to cause this supplementary scenario to occur. Ensure that the message is delivered within the time period that would allow for the transfer to be occurring by 0800 (00/00).

0800

Deliver message SS3-2 to the Operator in the radwaste building.

Message Number SS3-1

Real Time = 0745
Scenario Time = 00/00

RIVER BEND STATION
EMERGENCY PREPAREDNESS 1992 EVALUATED EXERCISE MESSAGE

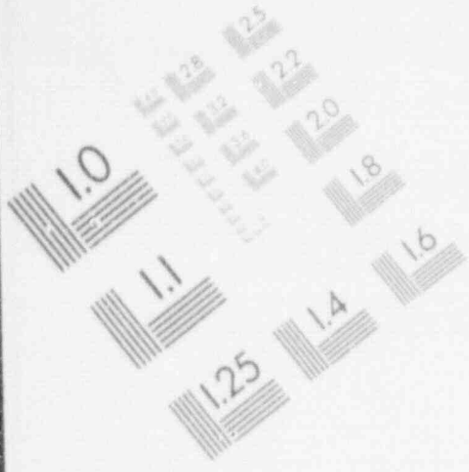
Message for: Radwaste Control Room Operator

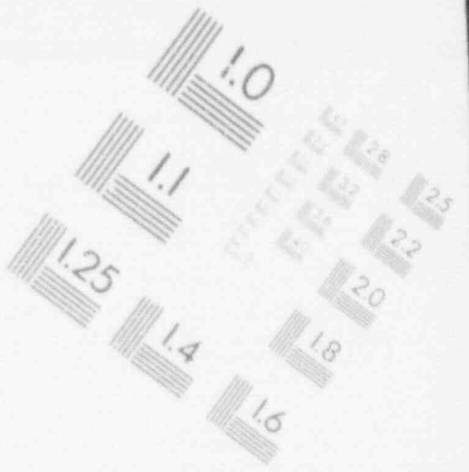
Message: ***THIS IS A DRILL***

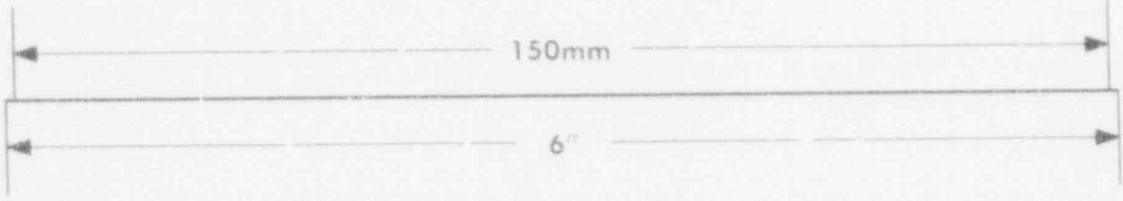
- Inform the Control Room that a transfer from the RWCU backwash receiving tank to the phase separator per SOP-0090, Section 5.8, is commencing due to the impending regeneration of the "B" RWCU filter.

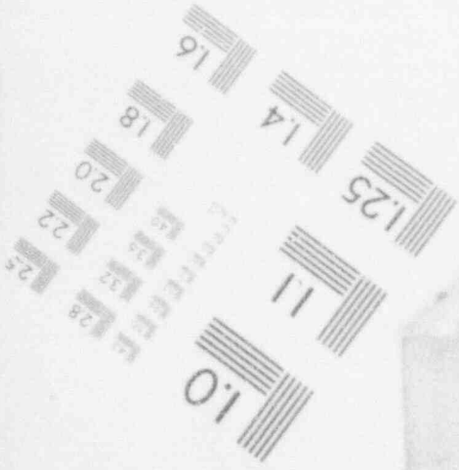
1

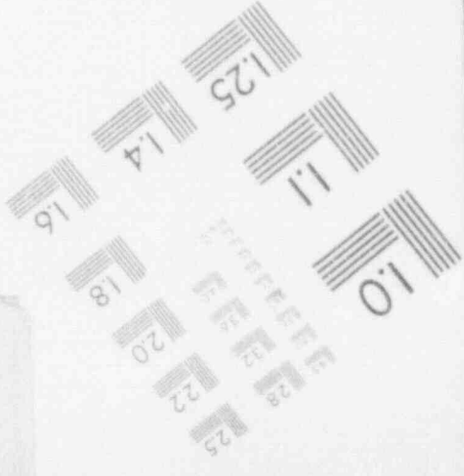
IMAGE EVALUATION TEST TARGET (MT-3)

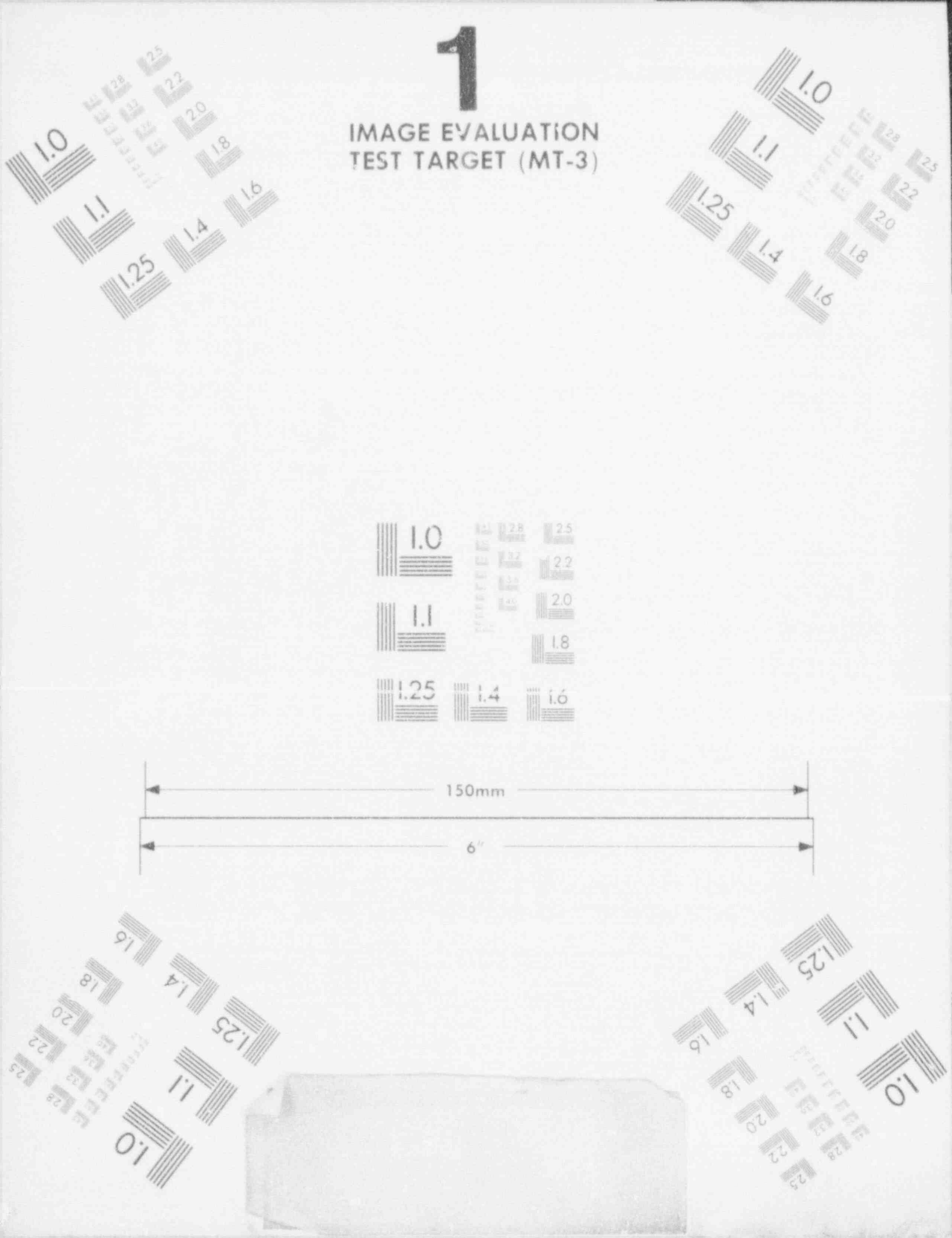






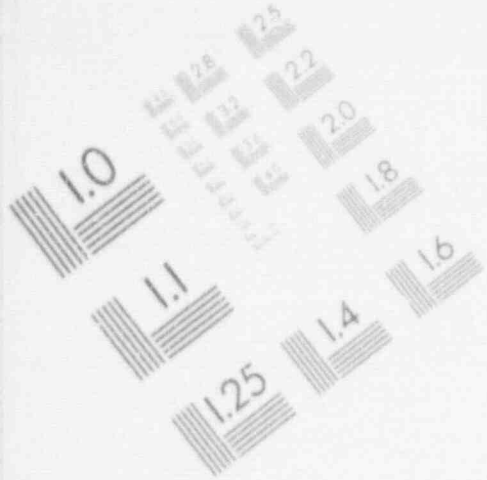


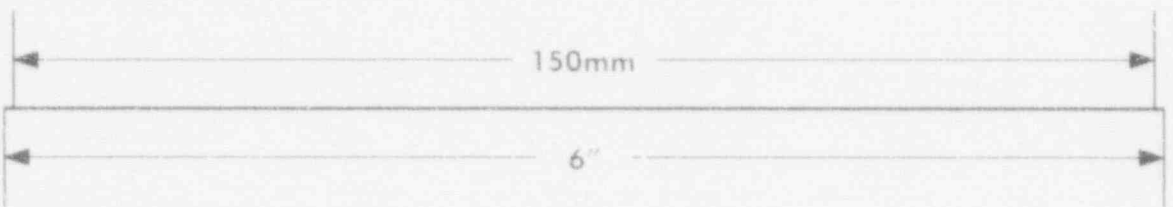


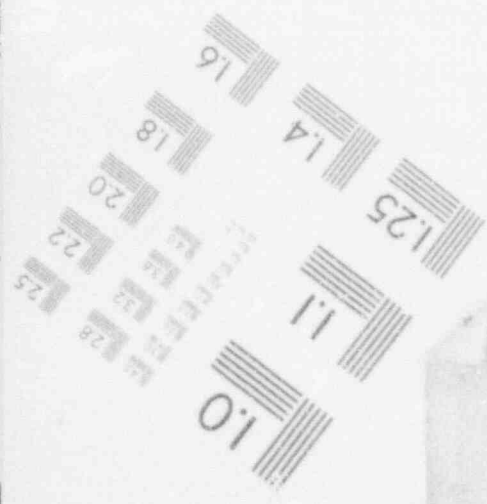

1
IMAGE EVALUATION
TEST TARGET (MT-3)
1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.5
4.0
150mm
6"

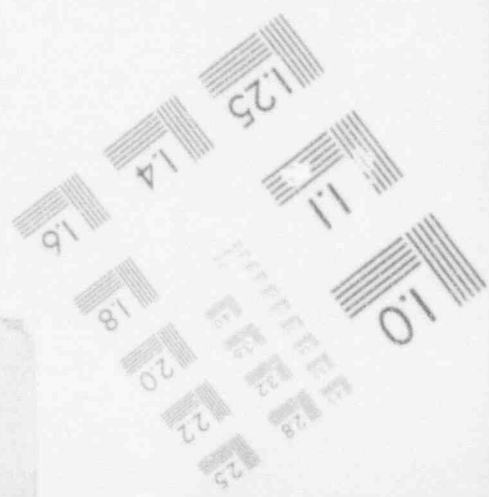
1

IMAGE EVALUATION TEST TARGET (MT-3)



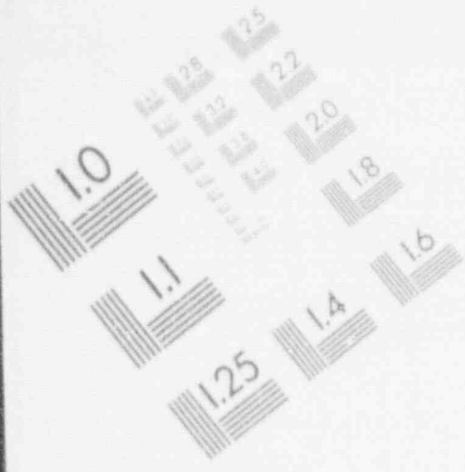


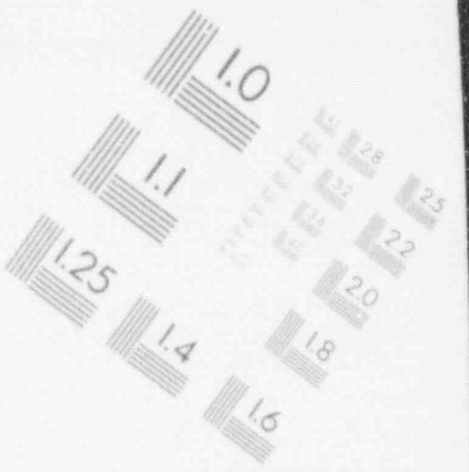


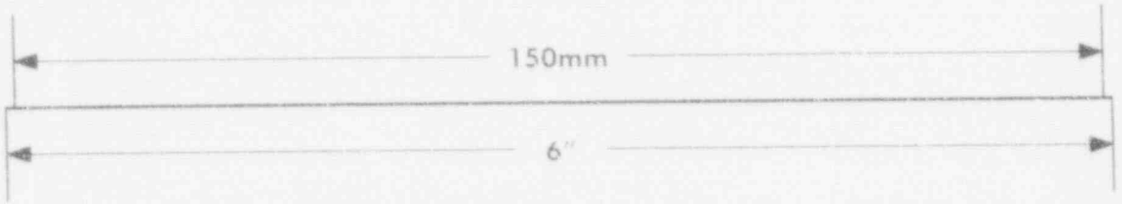


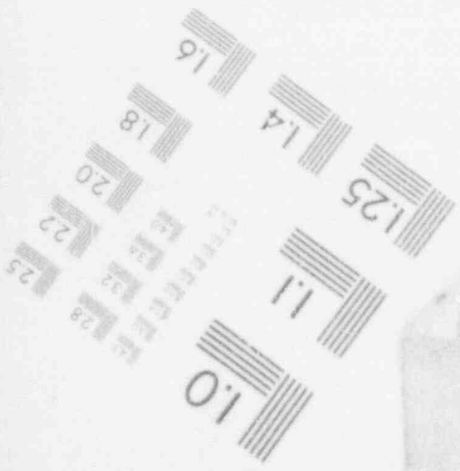
1

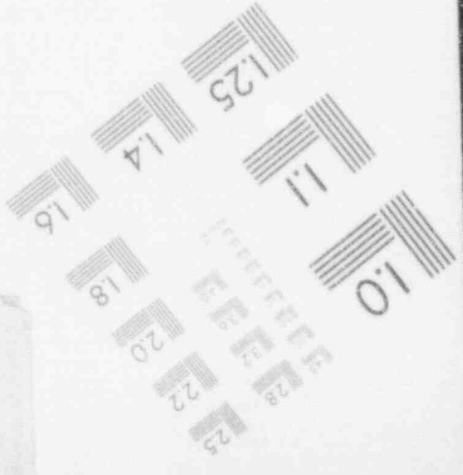
IMAGE EVALUATION TEST TARGET (MT-3)











Message Number SS3-2

Real Time = 0800
Scenario Time = 00/00

RIVER BEND STATION
EMERGENCY PREPAREDNESS 1992 EVALUATED EXERCISE MESSAGE

Message for: Operator in Radwaste Building

Message: ***THIS IS A DRILL***

There is a slurry of water and filter material coming out of the six-way valve and overflowing into the Radwaste Building.

1992 EVALUATED EXERCISE
SUPPLEMENTAL SCENARIO NO. 4

Feedwater Line Break

Approximate Time(s):

0845 (00/45); 1000 (02/00)

Location:

Auxiliary Building Steam Tunnel, 114' Level

Description:

A guillotine line break occurs in the A loop feedwater line between B21*MOVFO65A and B21*MOVFO7A. The resulting high differential pressure causes the inboard and outboard check valves(B21-AOV32A) to slam shut failing the inboard check valve. B21*MOVFO65A will fail to shut if attempted; B21*MOVFO7A does not have electrical power available preventing the operators from isolating the leak. At 1000, the outboard check valve fails resulting in a release path to the environment.

Pre-staging:

None

Initial Indications:

Personnel in the north end of the Turbine Building will hear increased noise levels between 0845 and 0850 and again between 1000 and 1115. Steam is visible in the north end of the Turbine Building 95' level, near the steam tunnel.

Supporting Information:

See attached drawing for the location of the break.

Controller Notes:

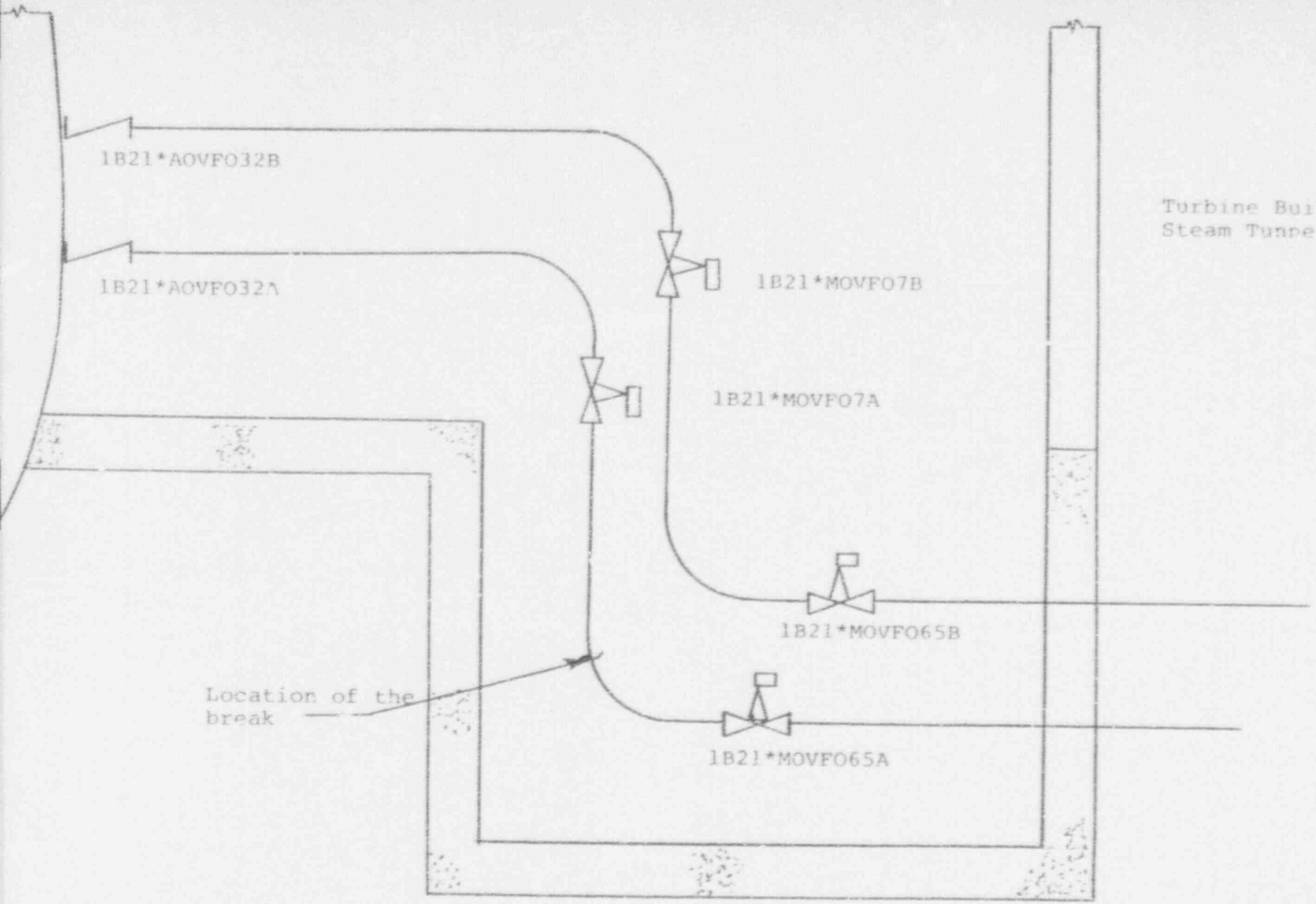
Any attempt to shut B21*MOVFO65A remotely will be unsuccessful. Manual operation may be successful after 1330.

If a recovery assessment entry is made into the Main Steam Tunnel, extensive damage will be observe to surrounding structures including destruction of the stairs leading to the 102' platform and dents in the "B" loop feedwater line.

Restoration Guidelines:

The guillotine line break will not be repairable. The break will be isolated between 1315 and 1330 when power is restored to 1ENS*SWG1B allowing the operators to shut B21*MOVFO7A.

B21*MOVFO65A may be manually closed after 1330.



Auxiliary Building
Main Steam Tunnel 97'-9"
Plan EL

1992 EVALUATED EXERCISE
SUPPLEMENTAL SCENARIO NO. 5

HPCS Fails to Initiate Due to a Mechanical Failure

Approximate Time(s):

0845 (00/45)

Location:

Auxiliary Building 70' level, northeast corner, due east of the RHR B equipment room.

Description:

Mechanical failure of HPCS pump, which precludes water injection (details later).

Pre-staging:

Later

Initial Conditions:

Later

Supporting Information:

Later

Controller Notes:

Later

Restoration Guidelines:

Later

1992 EVALUATED EXERCISE
SUPPLEMENTAL SCENARIO NO. 6

RHR Pump Damaged Due to Explosion

Approximate Time(s):

0900 (01/00)

Location:

RHR Pump Room A, 70' level

Description:

Oxy - Acetylene explosion occurs due to an improperly secured welding rig. Missiles from the explosion sever the power leads to the RHR pump motor.

Pre-staging:

Later

Initial Conditions:

RHR pump A was running on recirc

Supporting Information:

Later

Controller Notes:

Later

Restoration Guidelines:

Later

1992 EVALUATED EXERCISE
SUPPLEMENTAL SCENARIO NO. 7

RCIC Steam Line Break

Approximate Time(s):

0915 (01/15)

Location:

Auxiliary Building Main Steam Tunnel

Description:

A RCIC steam line break occurs immediately downstream of E51*MOVFO64. The divisions I and II RCIC isolations are successful except that E51*MOVFO63 fails to close because it has no electrical power and E51*MOVFO64 fails to close due to the high temperature/moisture environment.

Any attempt to shut E51*MOVGO64 from the Control Room will result in dual indication followed by no position lights lit. Investigation will reveal that the valve breaker at the local MCC tripped. After it is reset, F51*MOVFO64 may be closed.

Pre-staging:

None

Initial Conditions:

RCIC operating injecting into the vessel.

Indications:

DIVISION I RCIC ISOL MN STM SPLY LINE DIFF PRESS HIGH

- P601-21A/CO1

DIV II RCIC ISOL MN STM SPLY LINE DIFF PRESS HIGH

- P601-21A/DC1

RCIC ISOLATION MS TNL HI AMB OR VENT DIFF TEMP

- P601-21A/A06

RCIC ISOL FROM STM TNL HI AMB OR DIFF TEMP IMMINENT

- P601-21A/CO6

E51*MOVFO63 INDICATES NO LIGHT LIT

E51*MOVFO64 INDICATES RED LIGHT LIT

E51*MOVFO14 INDICATED GREEN LIGHTS LIT

E51*MOVFO19 INDICATED GREEN LIGHTS LIT

E51*MOVFO31 INDICATED GREEN LIGHTS LIT

E51*MOVFO76 INDICATED GREEN LIGHTS LIT

E51*MOVCO02 INDICATES GREEN LIGHTS LIT

Controller Notes:

Attempts to close E51*MOVFO64 from the Control Room result in both red and green lights lit followed by no lights lit. The operator dispatched to the valve breaker will find it in the tripped position. This cycle should repeat until after the site area emergency is declared.

Restoration Guidelines:

E51*MOVGO64 may be closed at the first attempt after a site area emergency is declared.

1992 EVALUATED EXERCISE
SUPPLEMENTAL SCENARIO NO. 8

Loss of Low Pressure Core Spray

Approximate Time(s):

1045 (02/45)

Location:

Auxiliary Building 70', Northeast corner

Description:

Later

Pre-staging:

None

Initial Conditions:

Later

Supporting Information:

Later

Controller Notes:

Later

Restoration Guidelines:

Later

SECTION 9

RADIOCHEMISTRY SAMPLE AND ON-SITE RADIATION DATA

SECTION 9: Radiochemistry Sample and On-Site Radiation Data

9.0 Introduction

9.1 Radiochemistry Sample Data

9.2 Area Radiation Data

9.3 Process Monitor Trend Data

SECTION 9.0

INTRODUCTION

9.0 INTRODUCTION

This section provides the information necessary for participants to evaluate the extent of core/clad damage and the effect of the release upon the in-plant environment and to respond appropriately.

The postulated feedwater line break and lower reactor water level yielding approximately a 10% gap release of fission products and other radioactive isotopes to the reactor coolant.

Section 9 furnishes scenario controllers the specific data necessary for providing participants the information that simulates the radiochemical and environmental conditions of the postulated event. Section 9.1 includes radiochemistry sample tables with the information used to assess the extent of the core/clad damage, stack sample data, PASS radiation data, and steam tunnel sample data. Section 9.2 gives plant specific maps and tables containing area radiation levels, airborne activities, and contamination levels found throughout the affected areas of the plant. Section 9.3 gives process monitor trend data.

SECTION 9.1

RADIOCHEMISTRY SAMPLE DATA

TABLE 9.1.1.A

1992 RBS EVALUATED EXERCISE — REACTOR COOLANT (uCi/cc)

ISOTOPE	0800	0900	1000	1100	1115	1130	1145	1200	1215
Kr-85m	1.06E-01	1.02E-01	8.76E-02	7.50E-02	3.01E-01	6.10E-01	1.17E+00	1.14E+00	1.08E+00
Kr-85	2.45E-02	2.44E-02	2.44E-02	2.44E-02	1.02E-01	2.16E-01	4.31E-01	4.32E-01	4.31E-01
Kr-87	1.08E-01	9.40E-02	5.47E-02	3.17E-02	1.15E-01	2.13E-01	3.72E-01	3.24E-01	2.83E-01
Kr-88	2.20E-01	2.15E-01	1.68E-01	1.32E-01	5.40E-01	1.93E+00	1.93E+00	1.63E+00	1.72E+00
Xe-133	4.61E+00	4.61E+00	4.56E+00	4.56E+00	1.90E+01	4.01E+01	8.02E+01	8.01E+01	7.99E+01
Xe-135	9.54E-01	9.05E-01	8.41E-01	7.78E-01	3.17E+00	6.64E+00	1.30E+01	1.27E+01	1.25E+01
TOTAL N.G	6.00E+00	5.95E+00	5.76E+00	5.60E+00	2.32E+01	4.88E+01	9.71E+01	9.66E+01	9.59E+01
I-131	5.53E-02	5.53E-02	5.51E-02	5.49E-02	3.83E+01	7.23E+01	1.49E+02	1.48E+02	1.48E+02
I-132	7.03E-03	6.52E-03	4.83E-03	3.58E-02	2.31E+00	4.05E+00	7.73E+00	7.18E+00	6.63E+00
I-133	3.79E-02	3.76E-02	3.64E-02	3.52E-02	2.44E+01	4.57E+01	9.30E+01	9.24E+01	9.15E+01
I-134	8.58E-03	7.03E-03	3.18E-03	1.44E-03	8.27E-01	1.28E+00	2.16E+00	1.78E+00	1.46E+00
I-135	2.01E-02	1.97E-02	1.77E-02	1.59E-02	1.08E+01	1.99E+01	3.99E+01	3.90E+01	3.80E+01
TOTAL IODINE	1.29E-01	1.26E-01	1.17E-01	1.11E-01	7.66E+01	1.43E+02	2.98E+02	2.89E+02	2.86E+02
Cs-134	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E+00	4.84E+00	9.74E+00	9.76E+00	9.76E+00
Cs-137	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E+00	3.00E+00	6.02E+00	6.03E+00	6.03E+00
Cs-138	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.63E-03	4.24E-03	6.16E-03	4.47E-03	3.24E-03
ALK.METALS	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.93E+00	7.86E+00	1.58E+01	1.58E+01	1.58E+01

TABLE 9.3.3-3

1992 RBS EVALUATED EXERCISE REACTOR COOLANT (uCi/cc)

ISOTOPE	1230	1245	1300	1315	1330	1345	1400	1430	1500
Kr-85m	1.69E+00	1.67E+00	1.66E+00	1.65E+00	1.64E+00	1.62E+00	1.61E+00	1.59E+00	1.56E+00
Kr-85	3.90E-01	3.87E-01	3.85E-01	3.82E-01	3.79E-01	3.76E-01	3.73E-01	3.7?E-01	3.62E-01
Kr-87	1.71E+00	1.70E+00	1.69E+00	1.68E+00	1.66E+00	1.65E+00	1.64E+00	1.61E+00	1.58E+00
Kr-88	3.62E+00	3.59E+00	3.56E+00	3.54E+00	3.51E+00	3.48E+00	3.46E+00	3.40E+00	3.35E+00
Xe-133	7.32E+01	7.27E+01	7.21E+01	7.16E+01	7.11E+01	7.05E+01	7.00E+01	6.89E+01	6.78E+01
Xe-135	1.51E+01	1.50E+01	1.49E+01	1.48E+01	1.47E+01	1.46E+01	1.45E+01	1.42E+01	1.40E+01
TOTAL N.G.	9.52E+01	9.45E+01	9.38E+01	9.31E+01	9.24E+01	9.17E+01	9.10E+01	8.96E+01	8.82E+01
I-131	1.21E+02	1.20E+02	1.20E+02	1.18E+02	1.17E+02	1.16E+02	1.15E+02	1.12E+02	1.11E+02
I-132	1.54E+01	1.53E+01	1.52E+01	1.50E+01	1.49E+01	1.47E+01	1.46E+01	1.42E+01	1.41E+01
I-133	8.32E+01	8.23E+01	8.20E+01	8.11E+01	8.03E+01	7.94E+01	7.85E+01	7.67E+01	7.59E+01
I-134	1.86E+01	1.86E+01	1.86E+01	1.84E+01	1.82E+01	1.80E+01	1.78E+01	1.74E+01	1.72E+01
I-135	4.41E+01	4.37E+01	4.35E+01	4.31E+01	4.26E+01	4.21E+01	4.17E+01	4.07E+01	4.02E+01
TOTAL IODINE	2.83E+02	2.80E+02	2.79E+02	2.76E+02	2.73E+02	2.70E+02	2.67E+02	2.61E+02	2.58E+02
Cs-134	9.57E+00	9.57E+00	9.57E+00	9.57E+00	9.57E+00	9.57E+00	9.57E+00	9.57E+00	9.57E+00
Cs-137	5.93E+00	5.93E+00	5.93E+00	5.93E+00	5.93E+00	5.93E+00	5.93E+00	5.93E+00	5.93E+00
Cs-138	2.91E-01	2.91E-01	2.91E-01	2.91E-01	2.91E-01	2.91E-01	2.91E-01	2.91E-01	2.91E-01
ALK.METALS	1.58E+01	1.58E+01	1.58E+01	1.58E+01	1.58E+01	1.58E+01	1.58E+01	1.58E+01	1.58E+01

TABLE 6.1.2.A

DRYWELL ATMOSPHERE (uCi/cc)

ISOTOPE	0800	0900	1000	1100	1115	1130	1145	1200	1215
Kr-85m	5.84E-07	5.63E-07	4.82E-07	4.13E-07	3.98E-07	3.80E-07	3.66E-07	3.55E-07	4.30E-07
Kr-85	1.35E-07	1.34E-07	1.34E-07	1.34E-07	1.34E-07	1.34E-07	1.34E-07	1.34E-07	1.34E-07
Kr-87	5.84E-07	5.17E-07	3.01E-07	1.74E-07	1.50E-07	1.33E-07	1.18E-07	1.01E-07	8.81E-08
Kr-88	1.25E-06	1.18E-06	9.25E-07	7.24E-07	7.13E-07	6.41E-07	6.02E-07	5.68E-07	5.35E-07
Xe-133	2.54E-05	2.53E-05	2.52E-05	2.51E-05	2.50E-05	2.50E-05	2.50E-05	2.50E-05	2.49E-05
Xe-135	5.25E-06	4.98E-06	4.63E-06	4.28E-06	4.19E-06	4.13E-06	4.05E-06	3.97E-06	3.86E-06
TOTAL N.G.	3.30E-05	3.27E-05	3.17E-05	3.08E-05	3.06E-05	3.04E-05	3.02E-05	3.01E-05	2.99E-05
I-131	2.87E-07	2.87E-07	2.86E-07	2.85E-07	2.85E-07	2.85E-07	2.85E-07	2.84E-07	2.84E-07
I-132	3.65E-08	3.38E-08	2.51E-08	1.86E-08	1.72E-08	1.60E-08	1.48E-08	1.37E-08	1.27E-08
I-133	1.97E-07	1.95E-07	1.89E-07	1.83E-07	1.81E-07	1.80E-07	1.78E-07	1.77E-07	1.75E-07
I-134	4.46E-08	3.65E-08	1.65E-08	7.50E-09	6.16E-09	5.05E-09	4.14E-09	3.40E-09	2.79E-09
I-135	1.05E-07	1.02E-07	9.19E-08	8.25E-08	8.04E-08	7.84E-08	7.65E-08	7.46E-08	7.28E-08
TOTAL IODINE	6.70E-07	6.55E-07	6.08E-07	5.77E-07	5.70E-07	5.64E-07	5.58E-07	5.53E-07	5.47E-07

TABLE P 1.1 E

1992 RBS EVALUATED EXERCISE DRYWELL ATMOSPHERE (uCi/cc)

ISOTOPE	1230	1245	1300	1315	1330	1345	1400	1430	1500
Kr-85m	5.26E-07	5.22E-07	5.19E-07	5.15E-07	5.10E-07	5.08E-07	5.04E-07	4.97E-07	4.90E-07
Kr-85	1.22E-07	1.21E-07	1.20E-07	1.19E-07	1.18E-07	1.18E-07	1.17E-07	1.15E-07	1.14E-07
Kr-87	5.35E-07	5.31E-07	5.27E-07	5.24E-07	5.20E-07	5.17E-07	5.13E-07	5.06E-07	4.99E-07
Kr-88	1.13E-06	1.12E-06	1.11E-06	1.11E-06	1.10E-06	1.09E-06	1.08E-06	1.07E-06	1.05E-06
Xe-133	2.28E-05	2.27E-05	2.25E-05	2.24E-05	2.22E-05	2.21E-05	2.19E-05	2.16E-05	2.13E-05
Xe-135	4.72E-06	4.69E-06	4.66E-06	4.63E-06	4.60E-06	4.56E-06	4.53E-06	4.47E-06	4.40E-06
TOTAL N.G.	2.97E-05	2.95E-05	2.93E-05	2.91E-05	2.89E-05	2.87E-05	2.85E-05	2.81E-05	2.77E-05
I-131	2.35E-07	2.32E-07	2.30E-07	2.27E-07	2.24E-07	2.22E-07	2.19E-07	2.14E-07	2.09E-07
I-132	2.98E-08	2.95E-08	2.92E-08	2.88E-08	2.85E-08	2.82E-08	2.78E-08	2.72E-08	2.65E-08
I-133	1.61E-07	1.59E-07	1.57E-07	1.56E-07	1.54E-07	1.52E-07	1.50E-07	1.47E-07	1.43E-07
I-134	3.64E-08	3.60E-08	3.56E-08	3.52E-08	3.48E-08	3.44E-08	3.40E-08	3.32E-08	3.24E-08
I-135	8.53E-08	8.44E-08	8.35E-08	8.25E-08	8.16E-08	8.07E-08	7.97E-08	7.78E-08	7.60E-08
TOTAL IODINE	5.47E-07	5.41E-07	5.35E-07	5.29E-07	5.23E-07	5.17E-07	5.11E-07	4.99E-07	4.87E-07

TABLE 9.1.3 a

1992 RBS EVALUATED EXERCISE SUPPRESSION POOL LIQUID (uCi/cc)

ISOTOPE	0600	0900	1000	1100	1115	1130	1145	1200	1215
Kr-85m	6.85E-04	8.53E-04	7.30E-04	6.25E-04	6.03E-04	5.76E-04	5.54E-04	5.37E-04	6.30E-04
Kr-85	2.05E-04	2.03E-04	2.04E-04	2.03E-04	2.03E-04	2.04E-04	2.03E-04	2.04E-04	2.03E-04
Kr-87	9.00E-04	7.84E-04	4.56E-04	2.64E-04	2.30E-04	2.01E-04	1.75E-04	1.53E-04	1.33E-04
Kr-88	1.90E-03	1.79E-03	1.40E-03	1.10E-03	1.08E-03	9.72E-04	9.11E-04	8.61E-04	8.10E-04
Xe-133	3.84E-02	3.84E-02	3.82E-02	3.80E-02	3.79E-02	3.79E-02	3.76E-02	3.78E-02	3.77E-02
Xe-135	7.95E-03	7.54E-03	7.01E-03	6.48E-03	6.35E-03	6.26E-03	6.14E-03	6.01E-03	5.88E-03
TOTAL N.G.	5.00E-02	4.96E-02	4.80E-02	4.67E-02	4.63E-02	4.61E-02	4.58E-02	4.55E-02	4.52E-02
I-131	4.29E-04	4.29E-04	4.27E-04	4.25E-04	4.26E-04	4.25E-04	4.25E-04	4.24E-04	4.24E-04
I-132	5.45E-05	5.05E-05	3.74E-05	2.77E-05	2.57E-05	2.38E-05	2.21E-05	2.05E-05	1.90E-05
I-133	2.94E-04	2.91E-04	2.82E-04	2.73E-04	2.71E-04	2.69E-04	2.66E-04	2.64E-04	2.61E-04
I-134	6.65E-05	5.45E-05	2.47E-05	1.12E-05	9.19E-06	7.54E-06	6.18E-06	5.07E-06	4.16E-06
I-135	1.56E-04	1.52E-04	1.37E-04	1.23E-04	1.20E-04	1.17E-04	1.14E-04	1.11E-04	1.09E-04
TOTAL IODINE	1.00E-03	9.77E-04	9.08E-04	8.61E-04	8.51E-04	8.42E-04	8.33E-04	8.25E-04	8.17E-04

TABLE 9.1.3.3

1992 RBS EVALUATED EXERCISE SUPPRESSION POOL LIQUID (uCi/cc)

ISOTOPE	1230	1245	1300	1315	1330	1345	1400	1430	1500
Kr-85m	7.95E-04	7.89E-04	7.84E-04	7.79E-04	7.73E-04	7.68E-04	7.63E-04	7.52E-04	7.42E-04
Kr-85	1.84E-04	1.83E-04	1.82E-04	1.80E-04	1.79E-04	1.78E-04	1.77E-04	1.74E-04	1.72E-04
Kr-87	8.08E-04	8.02E-04	7.97E-04	7.92E-04	7.87E-04	7.81E-04	7.76E-04	7.65E-04	7.54E-04
Kr-88	1.71E-03	1.69E-03	1.68E-03	1.67E-03	1.66E-03	1.65E-03	1.64E-03	1.61E-03	1.59E-03
Xe-133	3.45E-02	3.43E-02	3.41E-02	3.38E-02	3.36E-02	3.34E-02	3.31E-02	3.27E-02	3.22E-02
Xe-135	7.14E-03	7.09E-03	7.04E-03	7.00E-03	6.95E-03	6.90E-03	6.85E-03	6.76E-03	6.66E-03
TOTAL N.G.	4.4[illegible]-02	4.46E-02	4.43E-02	4.40E-02	4.37E-02	4.34E-02	4.31E-02	4.25E-02	4.19E-02
I-131	3.47E-04	3.44E-04	3.40E-04	3.37E-04	3.34E-04	3.30E-04	3.27E-04	3.20E-04	3.13E-04
I-132	4.41E-05	4.37E-05	4.32E-05	4.28E-05	4.24E-05	4.20E-05	4.15E-05	4.07E-05	3.98E-05
I-133	2.36E-04	2.35E-04	2.33E-04	2.31E-04	2.29E-04	2.26E-04	2.24E-04	2.19E-04	2.15E-04
I-134	5.38E-05	5.33E-05	5.27E-05	5.22E-05	5.17E-05	5.12E-05	5.07E-05	4.96E-05	4.85E-05
I-135	1.26E-04	1.25E-04	1.24E-04	1.22E-04	1.21E-04	1.20E-04	1.19E-04	1.16E-04	1.14E-04
TOTAL IODINE	8.09E-04	8.01E-04	7.93E-04	7.85E-04	7.78E-04	7.70E-04	7.62E-04	7.46E-04	7.30E-04

TABLE 9.1.4.3

1992 RBS EVALUATED EXERCISE CONTAINMENT ATMOSPHERE (uCi/cc)

ISOTOPE	0800	0900	1000	1100	1115	1130	1145	1200	1215
Kr-85m	8.85E-07	8.53E-07	7.30E-07	6.25E-07	6.03E-07	5.76E-07	5.54E-07	5.37E-07	6.52E-07
Kr-85	2.05E-07	2.03E-07	2.04E-07	2.03E-07	2.03E-07	2.04E-07	2.03E-07	2.04E-07	2.03E-07
Kr-87	9.00E-07	7.84E-07	4.56E-07	2.64E-07	2.30E-07	2.01E-07	1.75E-07	1.53E-07	1.33E-07
Kr-88	1.80E-06	1.79E-06	1.40E-06	1.10E-06	1.06E-06	9.72E-07	9.11E-07	8.61E-07	8.10E-07
Xe-133	3.84E-05	3.84E-05	3.82E-05	3.80E-05	3.79E-05	3.79E-05	3.78E-05	3.76E-05	3.77E-05
Xe-135	7.95E-06	7.54E-06	7.01E-06	6.48E-06	6.35E-06	6.26E-06	6.14E-06	6.01E-06	5.90E-06
TOTAL N.G.	5.00E-05	4.96E-05	4.83E-05	4.66E-05	4.63E-05	4.60E-05	4.58E-05	4.56E-05	4.55E-05
I-131	4.29E-07	4.29E-07	4.27E-07	4.25E-07	4.25E-07	4.25E-07	4.25E-07	4.24E-07	4.24E-07
I-132	5.45E-08	5.05E-08	3.74E-08	2.77E-08	2.57E-08	2.38E-08	2.21E-08	2.05E-08	1.90E-08
I-133	2.94E-07	2.91E-07	2.82E-07	2.73E-07	2.71E-07	2.69E-07	2.66E-07	2.64E-07	2.61E-07
I-134	6.65E-08	5.45E-08	2.47E-08	1.12E-08	9.19E-09	7.54E-09	6.18E-09	5.07E-09	4.16E-09
I-135	1.56E-07	1.52E-07	1.37E-07	1.23E-07	1.20E-07	1.17E-07	1.14E-07	1.11E-07	1.09E-07
TOTAL IODINE	1.00E-06	9.77E-07	9.08E-07	8.61E-07	8.51E-07	8.42E-07	8.33E-07	8.25E-07	8.17E-07

TABLE [illegible]

1992 RBS EVALUATED EXERCISE

CONTAINMENT ATMOSPHERE (Ci/cc)

ISOTOPE	1230	1245	1300	1315	1330	1345	1400	1430	1500
Kr-85m	7.93E-07	7.86E-07	7.79E-07	7.72E-07	7.65E-07	7.58E-07	7.50E-07	7.36E-07	7.22E-07
Kr-85	1.84E-07	1.82E-07	1.80E-07	1.79E-07	1.77E-07	1.75E-07	1.74E-07	1.71E-07	1.67E-07
Kr-87	8.06E-07	7.99E-07	7.92E-07	7.85E-07	7.78E-07	7.70E-07	7.63E-07	7.49E-07	7.34E-07
Kr-88	1.70E-06	1.69E-06	1.67E-06	1.66E-06	1.64E-06	1.63E-06	1.61E-06	1.58E-06	1.55E-06
Xe-133	3.45E-05	3.41E-05	3.38E-05	3.35E-05	3.32E-05	3.29E-05	3.26E-05	3.20E-05	3.14E-05
Xe-135	7.12E-06	7.06E-06	7.00E-06	6.93E-06	6.87E-06	6.81E-06	6.74E-06	6.61E-06	6.49E-06
TOTAL N.G.	4.46E-05	4.44E-05	4.40E-05	4.36E-05	4.32E-05	4.28E-05	4.24E-05	4.16E-05	4.08E-05
I-131	3.47E-07	3.44E-07	3.40E-07	3.37E-07	3.33E-07	3.30E-07	3.26E-07	3.[illegible]E-07	3.13E-07
I-132	4.41E-08	4.37E-08	4.32E-08	4.28E-08	4.23E-08	4.19E-08	4.15E-08	4.06E-08	3.97E-08
I-133	2.36E-07	2.35E-07	2.33E-07	2.31E-07	2.28E-07	2.26E-07	2.24E-07	2.19E-07	2.14E-07
I-134	5.38E-08	5.33E-08	5.27E-08	5.22E-08	5.17E-08	5.11E-08	5.06E-08	4.95E-08	4.85E-08
I-135	1.26E-07	1.25E-07	1.24E-07	1.22E-07	1.21E-07	1.20E-07	1.19E-07	1.16E-07	1.14E-07
TOTAL IODINE	8.09E-07	8.01E-07	7.93E-07	7.85E-07	7.77E-07	7.69E-07	7.61E-07	7.45E-07	7.29E-07

TABLE 9.1.6.A

STACK CHEMISTRY

1992 RBS EVALUATED EXERCISE

ISOTOPE	0800	0845	0900	0915	0930	0945	1000	1015	1030
Kr-85m	1.61E-08	1.58E-08	1.53E-08	1.49E-08	1.45E-08	1.40E-08	1.36E-08	1.31E-08	1.28E-08
Kr-85	4.18E-09	3.66E-09	3.66E-09	3.66E-09	3.75E-09	3.76E-09	3.78E-09	3.81E-09	3.84E-09
Kr-87	1.84E-08	1.61E-08	1.41E-08	1.24E-08	1.10E-08	9.63E-09	8.47E-09	7.45E-09	6.55E-09
Kr-88	3.68E-08	3.39E-08	3.22E-08	3.05E-08	2.90E-08	2.75E-08	2.60E-08	2.47E-08	2.34E-08
Xe-133	7.85E-07	6.86E-07	6.90E-07	6.96E-07	7.01E-07	7.06E-07	7.10E-07	7.15E-07	7.18E-07
Xe-135	1.62E-07	1.42E-07	1.36E-07	1.35E-07	1.33E-07	1.32E-07	1.30E-07	1.28E-07	1.26E-07
TOTAL N.G.	1.02E-06	8.92E-07	8.92E-07	8.92E-07	8.92E-07	8.92E-07	8.92E-07	8.92E-07	8.92E-07
I-131	2.74E-11	2.39E-11	2.45E-11	2.49E-11	2.54E-11	2.58E-11	2.62E-11	2.66E-11	2.69E-11
I-132	3.48E-12	3.04E-12	2.88E-12	2.73E-12	2.56E-12	2.44E-12	2.30E-12	2.16E-12	2.04E-12
I-133	1.88E-11	1.64E-11	1.66E-11	1.68E-11	1.70E-11	1.72E-11	1.73E-11	1.75E-11	1.75E-11
I-134	4.24E-12	3.71E-12	3.11E-12	2.61E-12	1.78E-12	1.71E-12	1.52E-12	1.27E-12	1.05E-12
I-135	9.96E-12	8.70E-12	8.70E-12	8.64E-12	8.59E-12	8.47E-12	8.42E-12	8.31E-12	8.20E-12
TOTAL IODINE	6.36E-11	5.56E-11	5.58E-11	5.58E-11	5.58E-11	5.58E-11	5.58E-11	5.58E-11	5.58E-11

VENTILATION FLOWRATES (CFM)

ERF	8.30E+04	9.50E+04	9.50E+04	9.50E+04	9.50E+04	9.50E+04	9.50E+04	9.50E+04	9.50E+04
GBGT	0.00E+00	1.25E+04	1.25E+04	1.25E+04	1.25E+04	1.25E+04	1.25E+04	1.25E+04	1.25E+04

RELEASE RATE TOTALS (uCi/sec)

NOBLE GAS	4.00E+01	4.00E+01	4.00E+01	4.00E+01	4.00E+01	4.00E+01	4.00E+01	4.00E+01	4.00E+01
IODINE	2.50E-03	2.50E-03	2.50E-03	2.50E-03	2.50E-03	2.50E-03	2.50E-03	2.50E-03	2.50E-03

TABLE 9.1.3-B

STACK CHEMISTRY

1992 RBS EVALUATED EXERCISE

ISOTOPE	1045	1100	1115	1130	1145	1200	1215	1230	1245
Kr-85m	1.33E-08	1.20E-08	1.16E-08	1.38E-07	1.69E-06	3.42E-04	3.21E-04	1.84E-04	9.46E-05
Kr-85	3.86E-09	3.89E-09	3.92E-09	4.93E-08	5.93E-07	1.30E-04	1.00E-04	7.56E-05	4.05E-05
Kr-87	6.20E-09	5.05E-09	4.43E-09	4.87E-08	5.98E-07	9.74E-05	6.58E-05	4.32E-05	2.02E-05
Kr-88	2.21E-08	2.10E-08	2.06E-08	2.35E-07	3.11E-06	5.48E-04	3.99E-04	2.83E-04	1.43E-04
Xe-133	7.23E-07	7.26E-07	7.30E-07	9.17E-06	1.29E-04	2.41E-02	1.86E-02	1.40E-02	7.49E-03
Xe-135	1.26E-07	1.24E-07	1.22E-07	1.52E-06	2.09E-05	3.83E-03	2.90E-03	2.16E-03	1.13E-03
TOTAL N.G.	8.92E-07	8.72E-07	8.92E-07	1.12E-05	1.56E-04	2.90E-02	2.23E-02	1.67E-02	8.82E-03
I-131	2.73E-11	2.75E-11	2.79E-11	1.91E-05	2.62E-04	4.93E-02	3.82E-02	2.92E-02	1.53E-02
I-132	1.91E-12	1.80E-12	1.68E-12	1.07E-06	1.36E-05	2.38E-03	1.71E-03	1.22E-03	5.91E-04
I-133	1.76E-11	1.77E-11	1.77E-11	1.21E-05	1.64E-04	3.07E-02	2.36E-02	1.79E-02	9.31E-03
I-134	6.75E-13	7.25E-13	6.02E-13	3.39E-07	3.81E-06	5.90E-04	3.75E-04	2.35E-04	1.01E-04
I-135	8.08E-12	7.97E-12	7.86E-12	5.27E-06	7.03E-05	1.29E-02	9.79E-03	7.30E-03	3.71E-03
TOTAL IODINE	5.58E-11	5.58E-11	5.58E-11	3.79E-05	5.13E-04	9.59E-02	7.36E-02	5.58E-02	2.90E-02

VENTILATION FLOWRATES (CFM)

REF	9.50E+04	9.50E+04	9.50E+04	9.50E+04	9.50E+04	9.50E+04	9.50E+04	9.50E+04	9.50E+04
SBGT	1.25E+04	1.25E+04	1.25E+04	1.25E+04	1.25E+04	1.25E+04	1.25E+04	1.25E+04	1.25E+04

RELEASE RATE TOTALS (uCi/sec)

NOBLE GAS	4.00E+01	4.00E+01	4.00E+01	5.00E+02	7.00E+03	1.30E+06	1.00E+06	7.50E+05	4.00E+05
IODINE	2.50E-03	2.50E-03	2.50E-03	1.70E+03	2.30E+04	4.30E+06	3.30E+06	2.50E+06	1.30E+06

1992 RBS EVALUATED EXERCISE

TABLE 8.1.2.7

STACK CHEMISTRY

ISOTOPE	1300	1315	1330	1345	1400	1415	1430	1445	1500
Kr-85m	4.73E-05	1.89E-05	9.46E-06	7.09E-08	1.18E-06	1.18E-06	1.18E-06	1.18E-06	1.18E-06
Kr-85	2.02E-05	8.10E-06	4.05E-06	3.04E-08	5.06E-09	5.06E-09	5.06E-09	5.06E-09	5.06E-09
Kr-87	1.01E-05	4.05E-06	2.02E-06	1.52E-08	2.53E-09	2.53E-09	2.53E-09	2.53E-09	2.53E-09
Kr-88	7.14E-05	2.85E-05	1.43E-05	1.07E-07	1.78E-08	1.78E-08	1.78E-08	1.78E-08	1.78E-08
Xe-133	3.75E-03	1.50E-03	7.49E-04	5.62E-06	9.37E-07	9.37E-07	9.37E-07	9.37E-07	9.37E-07
Xe-135	5.66E-04	2.27E-04	1.13E-04	8.50E-07	1.42E-07	1.42E-07	1.42E-07	1.42E-07	1.42E-07
TOTAL N.G	4.46E-03	1.78E-03	8.92E-04	6.69E-06	1.12E-06	1.12E-06	1.12E-06	1.12E-06	1.12E-06
I-131	7.76E-03	2.94E-03	1.53E-03	1.16E-05	2.00E-06	2.00E-06	2.00E-06	2.00E-06	2.00E-06
I-132	3.00E-04	1.14E-04	5.91E-05	4.50E-07	7.73E-08	7.73E-08	7.73E-08	7.73E-08	7.73E-08
I-133	4.72E-03	1.79E-03	9.31E-04	7.09E-06	1.22E-06	1.22E-06	1.22E-06	1.22E-06	1.22E-06
I-134	5.14E-05	1.95E-05	1.01E-05	7.71E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08	1.32E-08
I-135	1.86E-03	7.14E-04	3.71E-04	2.83E-06	4.85E-07	4.85E-07	4.85E-07	4.85E-07	4.85E-07
TOTAL IODINE	1.47E-02	5.58E-03	2.90E-03	2.21E-05	3.79E-06	3.79E-06	3.79E-06	3.79E-06	3.79E-06

VENTILATION FLOWRATES (CFM)

EBP	9.50E+04	9.50E+04	9.50E+04	9.50E+04	9.50E+04	9.50E+04	9.50E+04	9.50E+04	9.50E+04
SBGT	1.25E+04	1.25E+04	1.25E+04	1.25E+04	1.25E+04	1.25E+04	1.25E+04	1.25E+04	1.25E+04

RELEASE RATE TOTALS (uCi/sec)

NOBLE GAS	2.00E+05	3.00E+04	4.00E+04	3.00E+02	5.00E+01	5.00E+01	5.00E+01	5.00E+01	5.00E+01
IODINE	6.60E+05	2.50E+05	1.30E+05	9.90E+02	1.70E+02	1.70E+02	1.70E+02	1.70E+02	1.70E+02

TABLE 9.1.6.A STEAM TUNNEL 65'

ISOTOPE	0600	1130	1145	1200	1215	1230	1245	1300	1315
Kr-83m	4.08E-13	2.09E-06	2.66E-04	7.46E-02	6.25E-02	6.23E-02	5.21E-02	5.20E-02	4.76E-02
Kr-85m	1.12E-12	6.05E-06	8.15E-04	2.41E-01	2.13E-01	2.24E-01	1.99E-01	2.09E-01	1.91E-01
Kr-85	2.96E-12	1.68E-05	2.34E-03	7.22E-01	6.63E-01	7.26E-01	6.67E-01	7.30E-01	6.69E-01
Kr-87	1.66E-13	8.15E-07	9.94E-05	2.68E-02	2.14E-02	2.04E-02	1.64E-02	1.56E-02	1.43E-02
Kr-88	1.29E-12	6.83E-06	8.97E-04	2.60E-01	2.24E-01	2.32E-01	2.00E-01	2.05E-01	1.88E-01
Kr-89	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-131m	7.65E-12	4.28E-05	5.97E-03	1.84E+00	1.59E+00	1.85E+00	1.59E+00	1.86E+00	1.70E+00
Xe-133m	8.55E-12	4.79E-05	6.67E-03	2.05E+00	1.88E+00	2.05E+00	1.88E+00	2.04E+00	1.87E+00
Xe-133	4.53E-10	2.54E-03	3.55E-01	1.09E+02	1.00E+02	1.09E+02	1.00E+02	1.10E+02	1.01E+02
Xe 135m	1.69E-13	4.82E-07	3.40E-05	5.33E-03	2.47E-03	1.38E-03	6.40E-04	3.55E-04	3.26E-04
Xe-135	2.43E-11	1.34E-04	1.83E-02	5.54E+00	5.01E+00	5.36E+00	4.84E+00	5.20E+00	4.76E+00
Xe-137	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-138	4.12E-16	1.11E-09	7.41E-06	1.09E-05	4.82E-06	2.52E-06	1.11E-06	5.81E-07	5.32E-07
TOTAL NOBLE GAS	5.00E-10	2.80E-03	3.90E-01	1.20E+02	1.10E+02	1.20E+02	1.10E+02	1.20E+02	1.10E+02
I-131	6.78E-13	1.09E-09	1.58E-07	4.99E-05	4.67E-05	5.05E-05	4.72E-05	5.10E-05	4.75E-05
I-132	2.65E-14	3.97E-11	5.31E-09	1.56E-06	1.35E-06	1.35E-06	1.17E-06	1.18E-06	1.10E-06
I-133	2.05E-13	3.28E-10	4.71E-08	1.47E-05	1.37E-05	1.47E-05	1.36E-05	1.48E-05	1.36E-05
I-134	1.15E-14	1.52E-11	1.81E-09	4.58E-07	3.60E-07	3.19E-07	2.45E-07	2.17E-07	2.02E-07
I-135	7.89E-14	1.24E-10	1.75E-08	5.38E-06	4.90E-06	5.17E-06	4.72E-06	4.97E-06	4.62E-06
TOTAL IODINE	1.00E-12	1.50E-09	2.30E-07	7.20E-05	6.70E-05	7.20E-05	6.70E-05	7.20E-05	6.70E-05

TABLE 9.1.6.8 STEAM TUNNEL 65

ISOTOPE	1330	1345	1400	1415	1430	1445	1500
Kr-83m	1.80E-03	1.27E-06	1.91E-08	1.74E-08	1.59E-08	1.45E-08	1.33E-08
Kr-85m	4.93E-03	3.67E-06	5.85E-08	5.63E-08	5.43E-08	5.24E-08	5.07E-08
Kr-85	1.31E-02	1.02E-05	1.68E-07	1.69E-07	1.69E-07	1.69E-07	1.70E-07
Kr-87	7.33E-04	4.95E-07	7.14E-09	6.24E-09	5.46E-09	4.76E-09	4.17E-09
Kr-88	5.68E-03	4.15E-06	6.44E-08	6.08E-08	5.71E-08	5.40E-08	5.10E-08
Kr-89	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-131m	3.37E-02	2.60E-2	4.28E-07	4.31E-07	4.31E-07	4.31E-07	4.31E-07
Xe-133m	3.76E-02	2.91E-05	4.79E-07	4.79E-07	4.97E-07	4.79E-07	4.79E-07
Xe-133	2.00E+00	1.54E-03	2.55E-05	2.55E-05	2.55E-05	2.55E-05	2.55E-05
Xe-135m	7.44E-04	2.92E-07	2.44E-09	1.24E-09	6.30E-10	3.22E-10	1.63E-10
Xe-135	1.07E-01	8.13E-05	1.32E-06	1.29E-06	1.27E-06	1.25E-06	1.23E-06
Xe-137	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-138	1.82E-06	8.73E-10	5.32E-12	2.55E-12	1.23E-12	5.88E-13	2.73E-13
TOTAL NOBLE GAS	2.20E+00	1.70E-03	2.80E-05	2.80E-05	2.80E-05	2.80E-05	2.80E-05
I-131	8.81E-07	6.70E-10	1.10E-11	1.11E-11	1.12E-11	1.12E-11	1.13E-11
I-132	3.45E-08	2.43E-11	3.70E-13	3.46E-13	3.23E-13	3.01E-13	2.80E-13
I-133	2.66E-07	2.01E-10	3.28E-12	3.26E-12	3.26E-12	3.26E-12	3.25E-12
I-134	1.50E-08	9.32E-12	1.26E-13	1.04E-13	8.59E-14	7.09E-14	5.86E-14
I-135	1.03E-07	7.59E-11	1.22E-12	1.20E-12	1.17E-12	1.15E-12	1.13E-12
TOTAL IODINE	1.30E-06	9.80E-10	1.60E-11	1.60E-11	1.60E-11	1.60E-11	1.60E-11

TABLE 9.1.6.C STEAM TUNNEL 95

ISOTOPE	0800	1130	1145	1200	1215	1230	1245	1300	1315
Kr-83m	4.08E-13	2.24E-09	2.86E-07	8.09E-05	6.82E-05	6.75E-05	5.69E-05	5.63E-05	5.20E-05
Kr-85m	1.12E-12	6.48E-09	8.78E-07	2.61E-04	2.33E-04	2.43E-04	2.17E-04	2.26E-04	2.09E-04
Kr-85	2.98E-12	1.80E-08	2.52E-06	7.83E-04	7.24E-04	7.86E-04	7.27E-04	7.90E-04	7.30E-04
Kr-87	1.66E-13	8.73E-10	1.07E-07	2.90E-05	2.34E-05	2.21E-05	1.79E-05	1.69E-05	1.56E-05
Kr-88	3.29E-12	7.32E-09	9.66E-07	2.82E-04	2.45E-04	2.51E-04	2.18E-04	2.22E-04	2.05E-04
Kr-89	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-131m	7.65E-12	4.59E-08	6.43E-06	1.99E-03	1.85E-03	2.00E-03	1.35E-03	2.01E-03	1.86E-03
Xe-133m	8.55E-12	5.13E-08	7.18-06	2.22E-03	2.05E-03	2.22E-03	2.05E-03	2.21E-03	2.04-E03
Xe-133	4.53E-10	2.72E-06	3.82E-04	1.18E-01	1.09E-01	1.19E-01	1.10E-01	1.19E-01	1.10E-01
Xe-135m	1.69E-13	5.16E-10	3.67E-08	5.77E-06	2.70E-06	1.49E-06	6.98E-07	3.85E-07	3.55E-07
Xe-135	2.43E-11	1.43E-07	1.97E-05	6.01E-03	5.46E-03	5.81E-03	5.28E-03	5.63E-03	5.20E-03
Xe-137	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-138	4.12E-15	1.19E-12	7.98E-11	1.19E-08	5.26E-09	2.73E-09	1.21E-09	6.29E-10	5.81E-10
TOTAL NOBLE GAS	5.00E-10	3.00E-06	4.20E-04	1.30E-01	1.20E-01	1.30E-01	1.20E-01	1.30E-01	1.20E-01
I-131	6.78E-13	8.21E-10	1.17E-07	3.67E-05	3.42E-05	3.72E-05	3.45E-05	3.76E-05	3.47E-05
I-132	2.65E-14	2.98E-11	3.93E-09	1.14E-06	9.90E-07	9.96E-07	8.57E-07	8.69E-07	8.04E-07
I-133	2.05E-13	2.46E-10	3.49E-08	1.08E-05	1.00E-05	1.08E-05	9.95E-06	1.08E-05	9.95E-06
I-134	1.15E-14	1.14E-11	1.34E-09	3.44E-07	2.63E-07	2.35E-07	1.79E-07	1.60E-07	1.48E-07
I-135	7.89E-14	9.30E-11	1.29E-08	3.96E-06	3.59E-06	3.81E-06	3.45E-06	3.66E-06	3.38E-06
TOTAL IODINE	1.00E-12	1.20E-09	1.70E-07	5.70E-05	4.90E-05	5.30E-05	4.90E-05	5.30E-05	4.90E-05

TABLE 9.1.6.D STEAM TUNNEL 95

ISOTOPE	1330	1345	1400	1415	1430	1445	1500
Kr-83m	1.96E-06	9.70E-06	2.04E-11	1.87E-11	1.70E-11	1.56E-11	1.42E-11
Kr-85m	5.38E-06	2.81E-05	6.27E-11	6.03E-11	5.82E-11	5.61E-11	5.43E-11
Kr-85	1.43E-05	7.79E-05	1.80E-10	1.81E-10	1.81E-10	1.81E-10	1.82E-10
Kr-87	7.99E-07	3.78E-06	7.65E-12	6.89E-12	6.85E-12	5.10E-12	4.47E-12
Kr-88	6.19E-06	3.17E-05	6.90E-11	6.51E-11	6.12E-11	5.79E-11	5.46E-11
Kr-89	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-131m	3.67E-05	1.89E-04	4.59E-10	4.59E-10	4.62E-10	4.62E-10	4.62
Xe-133m	4.10E-05	2.22E-04	5.13E-10	5.13E-10	5.13E-10	5.13E-10	5.13E-10
Xe-133	2.18E-03	1.18E-02	2.73E-08	2.73E-08	2.73E-08	2.74E-08	2.74E-08
Xe-135m	8.11E-07	2.24E-06	3.62E-12	1.33E-12	6.75E-13	3.45E-13	1.75E-13
Xe-135	1.17E-04	6.21E-04	1.41E-09	1.39E-09	1.38E-09	1.34E-09	1.32E-09
Xe-137	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-138	1.98E-09	5.15E-09	5.70E-15	2.74E-15	1.31E-15	6.30E-16	3.03E-16
TOTAL NOBLE GAS	2.40E-03	1.30E-02	3.00E-08	3.00E-08	3.00E-08	3.00E-08	3.00E-08
I-131	6.03E-07	4.92E-09	7.57E-12	7.62E-12	7.67E-12	7.71E-12	7.75E-12
I-132	2.36E-08	1.79E-10	2.54E-13	2.38E-13	2.22E-13	2.07E-13	1.93E-13
I-133	1.82E-07	1.48E-09	2.26E-12	2.24E-12	2.24E-12	2.24E-12	2.24E-12
I-134	1.02E-08	6.85E-11	8.65E-14	7.15E-14	5.91E-14	4.87E-14	4.03E-14
I-135	7.02E-08	5.58E-10	8.37E-13	8.22E-13	8.05E-13	7.90E-13	7.74E-13
TOTAL IODINE	8.90E-07	7.20E-09	1.10E-11	1.10E-11	1.10E-11	1.10E-11	1.10E-11

TABLE 9.1.6.E STEAM TUNNEL 114

ISOTOPE	0800	1130	1145	1200	1215	1230	1245	1300	1315
Kr-83m	4.08E-13	1.57E-05	1.97E-01	5.72E-01	4.77E-01	4.77E-01	3.93E-01	3.98E-01	3.64E-01
Kr-85m	1.12E-12	4.54E-05	6.06E-03	1.85E+00	1.63E+00	1.72E+00	1.52E+00	1.60+00	1.46E+00
Kr-85	2.98E-12	1.26E-04	1.74E-02	5.54E+00	5.07E+00	5.57E+00	5.09E+00	5.59E+00	5.11E+00
Kr-87	1.66E-13	6.11E-06	7.39E-04	2.05E-01	1.64E-01	1.56E-01	1.25E-01	1.20E-01	1.09E-01
Kr-88	1.29E-12	5.12E-05	6.67E-03	2.00E+00	1.71E+00	1.78E+00	1.53E+00	1.57E+00	1.44E+00
Kr-89	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-131m	7.65E-12	3.21E-04	4.44E-02	1.41E+01	1.29E+01	1.42E+01	1.29E+01	1.43E+01	1.30E+01
Xe-133m	8.55E-12	3.59E-04	4.90E-02	1.57E+01	1.44E+01	1.57E+01	1.44E+01	1.56E+01	1.43E+01
Xe-133	4.53E-10	1.91E-02	2.64E+00	8.37E+02	7.65E+02	8.39E+02	7.67E+02	8.41E+02	7.68E+02
Xe-135m	1.69E-13	3.61E-06	2.53E-04	4.08E-02	1.89E-02	1.06E-02	4.89E-03	2.72E-03	2.49E-03
Xe-135	2.43E-11	1.00E-03	1.36E-01	4.25E+01	3.82E+01	4.11E+01	3.70E+01	3.98E+01	3.64E+01
Xe-137	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-138	4.12E-16	8.32E-09	5.51E+07	8.39E+05	3.68E-05	1.93E-05	8.48E-06	4.45E-06	4.07E-06
TOTAL NOBLE GAS	5.00E-10	2.10E-02	2.90E+00	9.20E+02	8.40E+02	9.20E+02	8.40E+02	9.20E+02	8.40E+02
I-131	6.78E-13	8.21E-09	1.17E-06	3.67E-04	3.42E-04	3.72E-04	3.45E-04	3.76E-04	3.47E-04
I-132	2.65E-14	2.98E-10	3.93E-08	1.14E-05	9.90E-06	9.96E-06	9.57E-06	8.69E-06	8.04E-06
I-133	2.05E-13	2.46E-09	3.48E-07	1.08E-04	1.00E-04	1.08E-04	9.95E-05	1.08E-04	9.95E-05
I-134	1.15E-4	1.14E-10	1.34E-08	3.45E-06	2.63E-06	2.35E-06	1.79E-06	1.60E-06	1.48E-06
I-135	7.89E-14	9.30E-10	1.29E-07	3.96E-05	3.59E-05	3.81E-05	3.45E-05	3.66E-05	3.38E-05
TOTAL IODINE	1.00E-12	1.20E-08	1.70E-06	5.30E-04	4.90E-04	5.30E-04	4.90E-04	5.30E-04	4.90E-04

TABLE 9.1.6.F STEAM TUNNEL 114

ISOTOPE	1330	1345	1400	1415	1430	1445	1500
Kr-83m	1.39E-02	9.70E-06	1.43E-07	1.31E-07	1.19E-07	1.09E-07	9.95E-08
Kr-85m	3.81E-02	2.81E-05	4.39E-07	4.22E-07	4.07E-07	3.93E-07	3.80E-07
Kr-85	1.01E-01	7.79E-05	1.26E-06	1.26E-06	1.27E-06	1.27E-06	1.27E-06
Kr-87	5.66E-03	3.78E-06	5.35E-08	4.66E-08	4.09E-08	3.57E-08	3.13E-08
Kr-88	4.39E-02	3.17E-05	4.83E-07	4.56E-07	4.28E-07	4.05E-07	3.82E-07
Kr-89	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-131m	2.60E-01	1.99E-04	3.21E-06	3.21E-06	3.23E-06	3.23E-06	3.23E-06
Xe-133m	2.91E-01	2.22E-04	3.59E-06	3.59E-06	3.59E-06	3.59E-06	3.59E-06
Xe-133	1.54E+01	1.18E-02	1.91E-04	1.91E-4	1.91E-04	1.92E-04	1.92E-04
Xe-135m	5.75E-03	2.24E-06	1.83E-08	9.32E-09	4.72E-09	2.41E-09	1.22E-09
Xe-135	8.26E-01	6.21E-04	9.87E-06	9.70E-06	9.55E-06	9.39E-06	9.24E-06
Xe-137	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-138	1.40E-05	5.15E-09	3.99E-11	1.92E-11	9.20E-12	4.41E-12	2.12E-12
TOTAL NOBLE GAS	1.70E+01	1.30E-02	2.10E-04	2.10E-04	2.10E-04	2.10E-04	2.10E-04
I-131	6.44E-06	4.92E-09	8.26E-11	8.32E-11	8.36E-11	8.41E-11	8.46E-11
I-132	2.52E-07	1.79E-10	2.77E-12	2.59E-12	2.42E-12	2.26E-12	2.10E-12
I-133	1.95E-06	1.48E-09	2.46E-11	2.45E-11	2.45E-11	2.45E-11	2.45E-11
I-134	1.09E-07	6.85E-11	9.43E-13	7.80E-13	6.44E-13	5.32E-13	4.39E-13
I-135	7.50E-07	5.58E-10	9.13E-12	8.96E-12	8.78E-12	8.62E-12	8.45E-12
TOTAL IODINE	9.50E-06	7.20E-09	1.20E-10	1.20E-10	1.20E-10	1.20E-10	1.20E-10

TABLE 9.1.6 G STEAM TUNNEL 141

ISOTOPE	0800	1130	1145	1200	1215	1230	1245	1300	1315
Kr-83m	4.08E-13	1.57E-06	1.97E-04	5.72E-02	4.77E-02	4.77E-02	3.98E-02	3.98E-02	3.64E-02
Kr-85m	1.12E-12	4.54E-06	6.06E-04	1.85E-01	1.63E-01	1.72E-01	1.52E-01	1.60E-01	1.46E-01
Kr-85	2.98E-12	1.26E-05	1.74E-03	5.54E-01	5.07E-01	5.57E-01	5.09E-01	5.59E-01	5.11E-01
Kr-87	1.66E-13	6.11E-07	7.39E-05	2.05E-02	1.64E-02	1.58E-02	1.25E-02	1.20E-02	1.09E-02
Kr-88	1.29E-12	5.12E-06	6.67E-04	2.00E-01	1.71E-01	1.78E-01	1.53E-01	1.57E-01	44E-01
Kr-89	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-131m	7.65E-12	3.21E-05	4.44E-03	1.41E+00	1.29E+00	1.42E+00	1.29E+00	1.43E+00	1.30E+00
Xe-133m	8.55E-12	3.59E-05	4.96E-03	1.57E+00	1.44E+00	1.57E+00	1.44E+00	1.56E+00	1.43E+00
Xe-133	1.53E-10	1.91E-03	2.64E-01	8.37E+01	7.65E+01	8.39E+01	7.67E+01	8.41E+01	7.68E+01
Xe-135m	1.69E-13	3.61E+01	2.53E+00	4.09E-03	1.89E-03	1.06E-03	4.89E-04	2.72E-04	2.49E-04
Xe-135	2.43E-11	1.00E-04	1.35E-02	4.25E+00	3.92E+00	4.11E+00	3.7+E+00	3.98E+00	3.64E+00
Xe-137	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-138	4.12E-16	8.32E-10	5.51E-08	8.39E-06	3.58E-06	1.93E-06	8.48E-07	4.45E-07	4.07E-07
TOTAL NOBLE GAS	5.00E-10	2.10E-03	2.90E-01	9.20E+01	8.40E+01	9.20E+01	8.40E+01	9.20E+01	8.40E+01
I-131	6.78E-13	8.21E-10	1.17E-07	3.67E-05	3.42E-05	3.72E-05	3.45E-05	3.76E-05	3.47E-05
I-132	2.65E-14	2.87E-11	3.93E-09	1.14E-06	9.90E-07	9.96E-07	8.57E-07	8.69E-07	8.04E-07
I-133	2.05E-13	2.46E-10	3.49E-08	1.08E-05	1.00E-05	1.08E-05	9.95E-06	1.08E-05	9.95E-06
I-134	1.15E-14	1.14E-11	1.34E-09	3.44E-07	2.63E-07	2.35E-07	1.79E-07	1.60E-07	1.49E-07
I-135	7.89E-11	9.30E-11	1.29E-08	3.96E-06	3.59E-06	3.81E-06	3.45E-05	3.86E-06	3.38E-06
TOTAL IODINE	1.00E-12	1.20E-09	1.70E-07	5.30E-05	4.90E-05	5.30E-05	4.90E-05	5.30E-05	4.90E-05

TABLE 9.1.6.H STEAM TUNNEL 141

ISOTOPE	1330	1345	1400	1415	1430	1445	1500
Kr-83m	1.39E-03	9.70E-07	1.43E-08	1.31E-08	1.19E-08	1.09E-08	9.95E-09
Kr-85m	3.81E-03	2.81E-06	4.39E-08	4.22E-08	4.07E-08	3.93E-08	3.80E-08
Kr-85	1.01E-02	7.79E-06	1.26E-07	1.26E-07	1.27E-07	1.27E-07	1.27E-07
Kr-87	5.66E-04	3.78E-07	5.35E-09	4.68E-09	4.09E-09	3.57E-09	3.13E-09
Kr-88	4.39E-03	3.17E-06	7.83E-08	4.56E-08	4.28E-08	4.05E-08	3.82E-08
Kr-89	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+000	0.00E+00	0.00E+00
Xe-131m	2.60E-02	1.99E-05	3.21E-07	3.21E-07	3.23E-07	3.23E-07	3.23E-07
Xe-133m	2.91E-02	2.22E-05	3.59E-07	3.59E-07	3.59E-07	3.59E-07	3.59E-07
Xe-133	1.54E+00	1.18E-03	1.91E-05	1.91E-05	1.91E-05	1.91E-05	1.91E-05
Xe-135m	5.75E-04	2.24E-07	1.83E-09	9.32E-10	4.72E-10	2.42E-10	1.22E-10
Xe-135	8.26E-02	6.21E-05	9.87E-07	9.70E-07	9.56E-07	9.39E-07	9.24E-07
Xe-137	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Xe-138	1.40E-06	5.15E-10	3.99E-12	1.92E-12	9.20E-13	4.40E-13	2.12E-13
TOTAL NOBLE GAS	1.70E+00	1.30E-03	2.10E-05	2.10E-05	2.10E-05	2.10E-05	2.10E-05
I-131	6.44E-07	4.92E-10	8.26E-12	8.32E-12	8.36E-12	8.41E-12	8.46E-12
I-132	2.52E-08	1.79E-11	2.77E-13	2.59E-13	2.42E-13	2.26E-13	2.10E-13
I-133	1.95E-07	1.48E-10	2.46E-10	2.45E-12	2.45E-12	2.45E-12	2.45E-12
I-134	1.09E-08	6.85E-12	9.43E-14	7.80E-14	6.44E-14	5.32E-14	4.39E-14
I-135	7.50E-08	5.58E-11	9.13E-13	8.96E-13	8.78E-13	8.62E-13	8.45E-13
TOTAL IODINE	9.50E-07	7.20E-10	1.20E-11	1.20E-11	1.20E-11	1.20E-11	1.20E-11

Table 9.1.7

PASS RADIATION DATA

FAEC RADIATION READINGS (mR/hr)

SAMPLE TIME: 1110

SAMPLE	VOLUME(ml)	DISTANCE	SHIELDING	READING
Rx Coolant	10.0	1 inch	None	1.32E+02
		1 foot	None	9.16E-01
		1 inch	2inch Pb	1.32E+01
		1 foot	2inch Pb	9.16E-02
		1 inch	4inch Pb	1.32E+00
		1 foot	4inch Pb	9.16E-03
Rx Coolant	0.10	1 inch	None	1.32E+00
		1 foot	None	9.16E-03
		1 inch	2inch Pb	1.32E-01
		1 foot	2inch Pb	9.16E-04
		1 inch	4inch Pb	1.32E-02
		1 foot	4inch Pb	9.16E-05
Gas From Rx Coolant	1.0	1 inch	None	1.32E+01
		1 foot	None	9.16E-02
		1 inch	2inch Pb	1.32E+00
		1 foot	2inch Pb	9.16E-03
		1 inch	4inch Pb	1.32E-01
		1 foot	4inch Pb	9.16E-04
Suppression Pool Liquid	10.0	1 inch	None	3.46E-03
		1 foot	None	2.40E-05
		1 inch	2inch Pb	3.46E-04
		1 foot	2inch Pb	2.40E-06
		1 inch	4inch Pb	3.46E-05
		1 foot	4inch Pb	2.40E-07
Drywell Atmosphere	10.0	1 inch	None	1.74E-04
		1 foot	None	1.21E-06
		1 inch	2inch Pb	1.74E-05
		1 foot	2inch Pb	1.21E-07
		1 inch	4inch Pb	1.74E-06
		1 foot	4inch Pb	1.21E-08
Containment Atmosphere	10.0	1 inch	None	2.63E-04
		1 foot	None	1.83E-06
		1 inch	2inch Pb	2.63E-05
		1 foot	2inch Pb	1.83E-07
		1 inch	4inch Pb	2.63E-06
		1 foot	4inch Pb	1.83E-08

NOTE: Assume All Readings < 1.00E-02 mR/hr as Bkgd

PAST RADIATION READINGS (mR/hr)

SAMPLE TIME: 1145

SAMPLE	VOLUME(ml)	DISTANCE	SHIELDING	READING
Rx Coolant	10.0	1 inch	None	5.52E+02
		1 foot	None	3.83E+00
		1 inch	2inch Pb	5.52E+01
		1 foot	2inch Pb	3.83E-01
		1 inch	4inch Pb	5.52E+00
		1 foot	4inch Pb	3.83E-02
Rx Coolant	0.10	1 inch	None	5.52E+00
		1 foot	None	3.83E-02
		1 inch	2inch Pb	5.52E-01
		1 foot	2inch Pb	3.83E-03
		1 inch	4inch Pb	5.52E-02
		1 foot	4inch Pb	3.83E-04
Gas From Rx Coolant	1.0	1 inch	None	5.52E+01
		1 foot	None	3.83E-01
		1 inch	2inch Pb	5.52E+00
		1 foot	2inch Pb	3.83E-02
		1 inch	4inch Pb	5.52E-01
		1 foot	4inch Pb	3.83E-03
Suppression Pool Liquid	10.0	1 inch	None	3.38E-03
		1 foot	None	2.35E-05
		1 inch	2inch Pb	3.38E-04
		1 foot	2inch Pb	2.35E-06
		1 inch	4inch Pb	3.38E-05
		1 foot	4inch Pb	2.35E-07
Drywell Atmosphere	10.0	1 inch	None	1.72E-04
		1 foot	None	1.19E-06
		1 inch	2inch Pb	1.72E-05
		1 foot	2inch Pb	1.19E-07
		1 inch	4inch Pb	1.72E-06
		1 foot	4inch Pb	1.19E-08
Containment Atmosphere	10.0	1 inch	None	2.60E-04
		1 foot	None	1.81E-06
		1 inch	2inch Pb	2.60E-05
		1 foot	2inch Pb	1.81E-07
		1 inch	4inch Pb	2.60E-06
		1 foot	4inch Pb	1.81E-08

NOTE: Assume All Readings + 1.00E-02 mR/hr as Bkgd

BAZF RADIATION READINGS (mR/hr)

SAMPLE TIME: 1150

SAMPLE	VOLUME(mL)	DISTANCE	SHIELDING	READING
Rx Coolant	10.0	1 inch	None	2.77E+02
		1 foot	None	1.93E+00
		1 inch	2inch Pb	2.77E+01
		1 foot	2inch Pb	1.93E-01
		1 inch	4inch Pb	2.77E+00
		1 foot	4inch Pb	1.93E-02
Rx Coolant	0.10	1 inch	None	2.77E+00
		1 foot	None	1.93E-02
		1 inch	2inch Pb	2.77E-01
		1 foot	2inch Pb	1.93E-03
		1 inch	4inch Pb	2.77E-02
		1 foot	4inch Pb	1.93E-04
Gas From Rx Coolant	1.0	1 inch	None	2.77E+01
		1 foot	None	1.93E-01
		1 inch	2inch Pb	2.77E+00
		1 foot	2inch Pb	1.93E-02
		1 inch	4inch Pb	2.77E-01
		1 foot	4inch Pb	1.93E-03
Suppression Pool Liquid	10.0	1 inch	None	3.42E-03
		1 foot	None	2.37E-05
		1 inch	2inch Pb	3.42E-04
		1 foot	2inch Pb	2.37E-06
		1 inch	4inch Pb	3.42E-05
		1 foot	4inch Pb	2.37E-07
Drywell Atmosphere	10.0	1 inch	None	1.73E-04
		1 foot	None	1.20E-06
		1 inch	2inch Pb	1.73E-05
		1 foot	2inch Pb	1.20E-07
		1 inch	4inch Pb	1.73E-06
		1 foot	4inch Pb	1.20E-08
Containment Atmosphere	10.0	1 inch	None	2.62E-04
		1 foot	None	1.82E-06
		1 inch	2inch Pb	2.62E-05
		1 foot	2inch Pb	1.82E-07
		1 inch	4inch Pb	2.62E-06
		1 foot	4inch Pb	1.82E-08

NOTE: Assume All Readings = 1.00E-02 mR/hr as bkgd

PAGE RADIATION READINGS (mR/hr)

SAMPLE TIME: 1200

SAMPLE	VOLUME(ml)	DISTANCE	SHIELDING	READING
Rx Coolant	10.0	1 inch	None	5.49E+02
		1 foot	None	3.81E+00
		1 inch	2inch Pb	5.49E+01
		1 foot	2inch Pb	3.81E-01
		1 inch	4inch Pb	5.49E+00
		1 foot	4inch Pb	3.81E-02
Rx Coolant	0.10	1 inch	None	5.49E+00
		1 foot	None	3.81E-02
		1 inch	2inch Pb	5.49E-01
		1 foot	2inch Pb	3.81E-03
		1 inch	4inch Pb	5.49E-02
		1 foot	4inch Pb	3.81E-04
Gas From Rx Coolant	1.0	1 inch	None	5.49E+01
		1 foot	None	3.81E-01
		1 inch	2inch Pb	5.49E+00
		1 foot	2inch Pb	3.81E-02
		1 inch	4inch Pb	5.49E-01
		1 foot	4inch Pb	3.81E-03
Suppression Pool Liquid	10.0	1 inch	None	3.35E-03
		1 foot	None	2.33E-05
		1 inch	2inch Pb	3.35E-04
		1 foot	2inch Pb	2.33E-06
		1 inch	4inch Pb	3.35E-05
		1 foot	4inch Pb	2.33E-07
Drywell Atmosphere	10.0	1 inch	None	1.71E-04
		1 foot	None	1.19E-06
		1 inch	2inch Pb	1.71E-05
		1 foot	2inch Pb	1.19E-07
		1 inch	4inch Pb	1.71E-06
		1 foot	4inch Pb	1.19E-08
Containment Atmosphere	10.0	1 inch	None	2.59E-04
		1 foot	None	1.80E-06
		1 inch	2inch Pb	2.59E-05
		1 foot	2inch Pb	1.80E-07
		1 inch	4inch Pb	2.59E-06
		1 foot	4inch Pb	1.80E-08

NOTE: Assume All Readings = 7.00E-02 mR/hr as Read

TAGS RADIATION READINGS (mR/hr)

SAMPLE TIME: 1515

SAMPLE	VOLUME(ml)	DISTANCE	SHIELDING	READING
Rx Coolant	10.0	1 inch	None	5.45E+02
		1 foot	None	3.79E+00
		1 inch	2inch Pb	5.45E+01
		1 foot	2inch Pb	3.79E-01
		1 inch	4inch Pb	5.45E+00
		1 foot	4inch Pb	3.79E-02
Rx Coolant	0.10	1 inch	None	5.45E+00
		1 foot	None	3.79E-02
		1 inch	2inch Pb	5.45E-01
		1 foot	2inch Pb	3.79E-03
		1 inch	4inch Pb	5.45E-02
		1 foot	4inch Pb	3.79E-04
Gas From Rx Coolant	1.0	1 inch	None	5.45E+01
		1 foot	None	3.79E-01
		1 inch	2inch Pb	5.45E+00
		1 foot	2inch Pb	3.79E-02
		1 inch	4inch Pb	5.45E-01
		1 foot	4inch Pb	3.79E-03
Suppression Pool Liquid	10.0	1 inch	None	3.32E-03
		1 foot	None	2.30E-05
		1 inch	2inch Pb	3.32E-04
		1 foot	2inch Pb	2.30E-06
		1 inch	4inch Pb	3.32E-05
		1 foot	4inch Pb	2.30E-07
Drywell Atmosphere	10.0	1 inch	None	1.70E-04
		1 foot	None	1.18E-06
		1 inch	2inch Pb	1.70E-05
		1 foot	2inch Pb	1.18E-07
		1 inch	4inch Pb	1.70E-06
		1 foot	4inch Pb	1.18E-08
Containment Atmosphere	10.0	1 inch	None	2.57E-04
		1 foot	None	1.78E-06
		1 inch	2inch Pb	2.57E-05
		1 foot	2inch Pb	1.78E-07
		1 inch	4inch Pb	2.57E-06
		1 foot	4inch Pb	1.78E-08

NOTE: Assume All Readings < 1.00E-02 mR/hr as Bkgd

PASS RADIATION READINGS (mR/hr)

SAMPLE TIME: 1030

SAMPLE	VOLUME(mL)	DISTANCE	SHIELDING	READING
Rx Coolant	10.0	1 inch	None	5.41E+02
		1 foot	None	3.76E+00
		1 inch	2inch Pb	5.41E+01
		1 foot	2inch Pb	3.76E-01
		1 inch	4inch Pb	5.41E+00
		1 foot	4inch Pb	3.76E-02
Rx Coolant	0.10	1 inch	None	5.41E+00
		1 foot	None	3.76E-02
		1 inch	2inch Pb	5.41E-01
		1 foot	2inch Pb	3.76E-03
		1 inch	4inch Pb	5.41E-02
		1 foot	4inch Pb	3.76E-04
Gas From Rx Coolant	1.0	1 inch	None	5.41E+01
		1 foot	None	3.76E-01
		1 inch	2inch Pb	5.41E+00
		1 foot	2inch Pb	3.76E-02
		1 inch	4inch Pb	5.41E-01
		1 foot	4inch Pb	3.76E-03
Suppression Pool Liquid	10.0	1 inch	None	3.29E-03
		1 foot	None	2.28E-05
		1 inch	2inch Pb	3.29E-04
		1 foot	2inch Pb	2.28E-06
		1 inch	4inch Pb	3.29E-05
		1 foot	4inch Pb	2.28E-07
Drywell Atmosphere	10.0	1 inch	None	1.69E-04
		1 foot	None	1.17E-06
		1 inch	2inch Pb	1.69E-05
		1 foot	2inch Pb	1.17E-07
		1 inch	4inch Pb	1.69E-06
		1 foot	4inch Pb	1.17E-08
Containment Atmosphere	10.0	1 inch	None	2.55E-04
		1 foot	None	1.77E-06
		1 inch	2inch Pb	2.55E-05
		1 foot	2inch Pb	1.77E-07
		1 inch	4inch Pb	2.55E-06
		1 foot	4inch Pb	1.77E-08

NOTE: Assume All Readings = 1.00E-02 mR/hr as Bkgd

PASS RADIATION READINGS (mR/hr)

SAMPLE TIME: 1340

SAMPLE	VOLUME(ml)	DISTANCE	SHIELDING	READING
Rx Coolant	10.0	1 inch	None	5.37E+02
		1 foot	None	3.73E+00
		1 inch	2inch Pb	5.37E+01
		1 foot	2inch Pb	3.73E-01
		1 inch	4inch Pb	5.37E+00
		1 foot	4inch Pb	3.73E-02
Rx Coolant	0.10	1 inch	None	5.37E+00
		1 foot	None	3.73E-02
		1 inch	2inch Pb	5.37E-01
		1 foot	2inch Pb	3.73E-03
		1 inch	4inch Pb	5.37E-02
		1 foot	4inch Pb	3.73E-04
Gas From Rx Coolant	1.0	1 inch	None	5.37E+01
		1 foot	None	3.73E-01
		1 inch	2inch Pb	5.37E+00
		1 foot	2inch Pb	3.73E-02
		1 inch	4inch Pb	5.37E-01
		1 foot	4inch Pb	3.73E-03
Suppression Pool Liquid	10.0	1 inch	None	3.25E-03
		1 foot	None	2.26E-05
		1 inch	2inch Pb	3.25E-04
		1 foot	2inch Pb	2.26E-06
		1 inch	4inch Pb	3.25E-05
		1 foot	4inch Pb	2.26E-07
Drywell Atmosphere	10.0	1 inch	None	1.68E-04
		1 foot	None	1.16E-06
		1 inch	2inch Pb	1.68E-05
		1 foot	2inch Pb	1.16E-07
		1 inch	4inch Pb	1.68E-06
		1 foot	4inch Pb	1.16E-08
Containment Atmosphere	10.0	1 inch	None	2.52E-04
		1 foot	None	1.75E-06
		1 inch	2inch Pb	2.52E-05
		1 foot	2inch Pb	1.75E-07
		1 inch	4inch Pb	2.52E-06
		1 foot	4inch Pb	1.75E-08

NOTE: Assume All Readings = 1.00E-02 mR/hr as Bkgd

FAST RADIATION READINGS (mR/hr)

SAMPLE TIME: 1300

SAMPLE	VOLUME(ml)	DISTANCE	SHIELDING	READING
Rx Coolant	10.0	1 inch	None	5.33E+02
		1 foot	None	3.70E+00
		1 inch	2inch Pb	5.33E+01
		1 foot	2inch Pb	3.70E-01
		1 inch	4inch Pb	5.33E+00
		1 foot	4inch Pb	3.70E-02
Rx Coolant	0.10	1 inch	None	5.33E+00
		1 foot	None	3.70E-02
		1 inch	2inch Pb	5.33E-01
		1 foot	2inch Pb	3.70E-03
		1 inch	4inch Pb	5.33E-02
		1 foot	4inch Pb	3.70E-04
Gas From Rx Coolant	1.0	1 inch	None	5.33E+01
		1 foot	None	3.70E-01
		1 inch	2inch Pb	5.33E+00
		1 foot	2inch Pb	3.70E-02
		1 inch	4inch Pb	5.33E-01
		1 foot	4inch Pb	3.70E-03
Suppression Pool Liquid	10.0	1 inch	None	3.22E-03
		1 foot	None	2.24E-05
		1 inch	2inch Pb	3.22E-04
		1 foot	2inch Pb	2.24E-06
		1 inch	4inch Pb	3.22E-05
		1 foot	4inch Pb	2.24E-07
Drywell Atmosphere	10.0	1 inch	None	1.67E-04
		1 foot	None	1.16E-06
		1 inch	2inch Pb	1.67E-05
		1 foot	2inch Pb	1.16E-07
		1 inch	4inch Pb	1.67E-06
		1 foot	4inch Pb	1.16E-08
Containment Atmosphere	10.0	1 inch	None	2.50E-04
		1 foot	None	1.74E-06
		1 inch	2inch Pb	2.50E-05
		1 foot	2inch Pb	1.74E-07
		1 inch	4inch Pb	2.50E-06
		1 foot	4inch Pb	1.74E-08

NOTE: Assume All Readings < 1.00E-02 mR/hr as Bkgd

PAR RADIATION READINGS (mR/hr)

SAMPLE TIME: 1015

SAMPLE	VOLUME(ml)	DISTANCE	SHIELDING	READING
Rx Coolant	10.0	1 inch	None	5.29E+03
		1 foot	None	3.68E+00
		1 inch	2inch Pb	5.29E+01
		1 foot	2inch Pb	3.68E-01
		1 inch	4inch Pb	5.29E+00
		1 foot	4inch Pb	3.68E-02
Rx Coolant	0.10	1 inch	None	5.29E+00
		1 foot	None	3.68E-02
		1 inch	2inch Pb	5.29E-01
		1 foot	2inch Pb	3.68E-03
		1 inch	4inch Pb	5.29E-02
		1 foot	4inch Pb	3.68E-04
Gas From Rx Coolant	1.0	1 inch	None	5.29E+01
		1 foot	None	3.68E-01
		1 inch	2inch Pb	5.29E+00
		1 foot	2inch Pb	3.68E-02
		1 inch	4inch Pb	5.29E-01
		1 foot	4inch Pb	3.68E-03
Suppression Pool Liquid	10.0	1 inch	None	3.19E-03
		1 foot	None	2.21E-05
		1 inch	2inch Pb	3.19E-04
		1 foot	2inch Pb	2.21E-06
		1 inch	4inch Pb	3.19E-05
		1 foot	4inch Pb	2.21E-07
Drywell Atmosphere	10.0	1 inch	None	1.65E-04
		1 foot	None	1.15E-06
		1 inch	2inch Pb	1.65E-05
		1 foot	2inch Pb	1.15E-07
		1 inch	4inch Pb	1.65E-06
		1 foot	4inch Pb	1.15E-08
Containment Atmosphere	10.0	1 inch	None	2.48E-04
		1 foot	None	1.72E-06
		1 inch	2inch Pb	2.48E-05
		1 foot	2inch Pb	1.72E-07
		1 inch	4inch Pb	2.48E-06
		1 foot	4inch Pb	1.72E-08

NOTE: Assume All Readings = 1.00E-02 mR/hr as Bkgd

FAST RADIATION READINGS (mR/hr)

SAMPLE TIME: 1330

SAMPLE	VOLUME(ml)	DISTANCE	SHIELDING	READING
Rx Coolant	10.0	1 inch	None	5.25E+03
		1 foot	None	3.65E+00
		1 inch	2inch Pb	5.25E+01
		1 foot	2inch Pb	3.65E-01
		1 inch	4inch Pb	5.25E+00
		1 foot	4inch Pb	3.65E-02
Rx Coolant	0.10	1 inch	None	5.25E+00
		1 foot	None	3.65E-02
		1 inch	2inch Pb	5.25E-01
		1 foot	2inch Pb	3.65E-03
		1 inch	4inch Pb	5.25E-02
		1 foot	4inch Pb	3.65E-04
Gas From Rx Coolant	1.0	1 inch	None	5.25E+01
		1 foot	None	3.65E-01
		1 inch	2inch Pb	5.25E+00
		1 foot	2inch Pb	3.65E-02
		1 inch	4inch Pb	5.25E-01
		1 foot	4inch Pb	3.65E-03
Suppression Pool Liquid	10.0	1 inch	None	3.16E-03
		1 foot	None	2.19E-05
		1 inch	2inch Pb	3.16E-04
		1 foot	2inch Pb	2.19E-06
		1 inch	4inch Pb	3.16E-05
		1 foot	4inch Pb	2.19E-07
Drywell Atmosphere	10.0	1 inch	None	1.64E-04
		1 foot	None	1.14E-06
		1 inch	2inch Pb	1.64E-05
		1 foot	2inch Pb	1.14E-07
		1 inch	4inch Pb	1.64E-06
		1 foot	4inch Pb	1.14E-08
Containment Atmosphere	10.0	1 inch	None	2.46E-04
		1 foot	None	1.71E-06
		1 inch	2inch Pb	2.46E-05
		1 foot	2inch Pb	1.71E-07
		1 inch	4inch Pb	2.46E-06
		1 foot	4inch Pb	1.71E-08

NOTE: Assume All Readings = 1.00E-02 mR/hr as Bkgd

PA/S RADIATION READINGS (mR/hr)

SAMPLE TIME: 1345

SAMPLE	VOLUME(ml)	DISTANCE	SHIELDING	READING
Rx Coolant	10.0	1 inch	None	5.21E+02
		1 foot	None	3.62E+00
		1 inch	2inch Pb	5.21E+01
		1 foot	2inch Pb	3.62E-01
		1 inch	4inch Pb	5.21E+00
		1 foot	4inch Pb	3.62E-02
Rx Coolant	0.10	1 inch	None	5.21E+00
		1 foot	None	3.62E-02
		1 inch	2inch Pb	5.21E-01
		1 foot	2inch Pb	3.62E-03
		1 inch	4inch Pb	5.21E-02
		1 foot	4inch Pb	3.62E-04
Gas From Rx Coolant	1.0	1 inch	None	5.21E+01
		1 foot	None	3.62E-01
		1 inch	2inch Pb	5.21E+00
		1 foot	2inch Pb	3.62E-02
		1 inch	4inch Pb	5.21E-01
		1 foot	4inch Pb	3.62E-03
Suppression Pool Liquid	10.0	1 inch	None	3.13E-03
		1 foot	None	2.17E-05
		1 inch	2inch Pb	3.13E-04
		1 foot	2inch Pb	2.17E-06
		1 inch	4inch Pb	3.13E-05
		1 foot	4inch Pb	2.17E-07
Drywell Atmosphere	10.0	1 inch	None	1.63E-04
		1 foot	None	1.13E-06
		1 inch	2inch Pb	1.63E-05
		1 foot	2inch Pb	1.13E-07
		1 inch	4inch Pb	1.63E-06
		1 foot	4inch Pb	1.13E-08
Containment Atmosphere	10.0	1 inch	None	2.43E-04
		1 foot	None	1.69E-06
		1 inch	2inch Pb	2.43E-05
		1 foot	2inch Pb	1.69E-07
		1 inch	4inch Pb	2.43E-06
		1 foot	4inch Pb	1.69E-08

NOTE: Assume All Readings < 1.00E-02 mR/hr as Bkgd

PASS RADIATION READINGS (mR/hr)

SAMPLE TIME: 1400

SAMPLE	VOLUME(ml)	DISTANCE	SHIELDING	READING
Rx Coolant	10.0	1 inch	None	5.17E+02
		1 foot	None	3.59E+00
		1 inch	2inch Pb	5.17E+01
		1 foot	2inch Pb	3.59E-01
		1 inch	4inch Pb	5.17E+00
		1 foot	4inch Pb	3.59E-02
Rx Coolant	0.10	1 inch	None	5.17E+00
		1 foot	None	3.59E-02
		1 inch	2inch Pb	5.17E-01
		1 foot	2inch Pb	3.59E-03
		1 inch	4inch Pb	5.17E-02
		1 foot	4inch Pb	3.59E-04
Gas From Rx Coolant	1.0	1 inch	None	5.17E+01
		1 foot	None	3.59E-01
		1 inch	2inch Pb	5.17E+00
		1 foot	2inch Pb	3.59E-02
		1 inch	4inch Pb	5.17E-01
		1 foot	4inch Pb	3.59E-03
Suppression Pool Liquid	10.0	1 inch	None	3.09E-03
		1 foot	None	2.15E-05
		1 inch	2inch Pb	3.09E-04
		1 foot	2inch Pb	2.15E-06
		1 inch	4inch Pb	3.09E-05
		1 foot	4inch Pb	2.15E-07
Drywell Atmosphere	10.0	1 inch	None	1.62E-04
		1 foot	None	1.13E-06
		1 inch	2inch Pb	1.62E-05
		1 foot	2inch Pb	1.13E-07
		1 inch	4inch Pb	1.62E-06
		1 foot	4inch Pb	1.13E-08
Containment Atmosphere	10.0	1 inch	None	2.41E-04
		1 foot	None	1.67E-06
		1 inch	2inch Pb	2.41E-05
		1 foot	2inch Pb	1.67E-07
		1 inch	4inch Pb	2.41E-06
		1 foot	4inch Pb	1.67E-08

NOTE: Assume All Readings < 1.00E-02 mR/hr as Bkgd

FAST RADIATION READINGS (mR/hr)

SAMPLE TIME: 1415

SAMPLE	VOLUME(ml)	DISTANCE	SHIELDING	READING
Rx Coolant	10.0	1 inch	None	5.17E+02
		1 foot	None	3.59E+00
		1 inch	2inch Pb	5.17E+01
		1 foot	2inch Pb	3.59E-01
		1 inch	4inch Pb	5.17E+00
		1 foot	4inch Pb	3.59E-02
Rx Coolant	0.10	1 inch	None	5.17E+00
		1 foot	None	3.59E-02
		1 inch	2inch Pb	5.17E-01
		1 foot	2inch Pb	3.59E-03
		1 inch	4inch Pb	5.17E-02
		1 foot	4inch Pb	3.59E-04
Gas From Rx Coolant	1.0	1 inch	None	5.17E+01
		1 foot	None	3.59E-01
		1 inch	2inch Pb	5.17E+00
		1 foot	2inch Pb	3.59E-02
		1 inch	4inch Pb	5.17E-01
		1 foot	4inch Pb	3.59E-03
Suppression Pool Liquid	10.0	1 inch	None	3.09E-03
		1 foot	None	2.15E-05
		1 inch	2inch Pb	3.09E-04
		1 foot	2inch Pb	2.15E-06
		1 inch	4inch Pb	3.09E-05
		1 foot	4inch Pb	2.15E-07
Drywell Atmosphere	10.0	1 inch	None	1.62E-04
		1 foot	None	1.13E-06
		1 inch	2inch Pb	1.62E-05
		1 foot	2inch Pb	1.13E-07
		1 inch	4inch Pb	1.62E-06
		1 foot	4inch Pb	1.13E-08
Containment Atmosphere	10.0	1 inch	None	2.41E-04
		1 foot	None	1.67E-06
		1 inch	2inch Pb	2.41E-05
		1 foot	2inch Pb	1.67E-07
		1 inch	4inch Pb	2.41E-06
		1 foot	4inch Pb	1.67E-08

NOTE: Assume All Readings = 1.00E-02 mR/hr as Bkgd

PAGE RADIATION READINGS (mR/hr)

SAMPLE TIME: 1130

SAMPLE	VOLUME(ml)	DISTANCE	SHIELDING	READING
Rx Coolant*	10.0	1 inch	None	5.09E+02
		1 foot	None	3.54E+00
		1 inch	2inch Pb	5.09E+01
		1 foot	2inch Pb	3.54E-01
		1 inch	4inch Pb	5.09E+00
		1 foot	4inch Pb	3.54E-02
Rx Coolant	0.10	1 inch	None	5.09E+00
		1 foot	None	3.54E-02
		1 inch	2inch Pb	5.09E-01
		1 foot	2inch Pb	3.54E-03
		1 inch	4inch Pb	5.09E-02
		1 foot	4inch Pb	3.54E-04
Gas From Rx Coolant	1.0	1 inch	None	5.09E+01
		1 foot	None	3.54E-01
		1 inch	2inch Pb	5.09E+00
		1 foot	2inch Pb	3.54E-02
		1 inch	4inch Pb	5.09E-01
		1 foot	4inch Pb	3.54E-03
Suppression Pool Liquid	10.0	1 inch	None	3.03E-03
		1 foot	None	2.10E-05
		1 inch	2inch Pb	3.03E-04
		1 foot	2inch Pb	2.10E-06
		1 inch	4inch Pb	3.03E-05
		1 foot	4inch Pb	2.10E-07
Drywell Atmosphere	10.0	1 inch	None	1.60E-04
		1 foot	None	1.11E-06
		1 inch	2inch Pb	1.60E-05
		1 foot	2inch Pb	1.11E-07
		1 inch	4inch Pb	1.60E-06
		1 foot	4inch Pb	1.11E-08
Containment Atmosphere	10.0	1 inch	None	2.37E-04
		1 foot	None	1.64E-06
		1 inch	2inch Pb	2.37E-05
		1 foot	2inch Pb	1.64E-07
		1 inch	4inch Pb	2.37E-06
		1 foot	4inch Pb	1.64E-08

NOTE: Assume All Readings < 1.00E-02 mR/hr as Pkgd

PASS RADIATION READINGS (R/hr)

SAMPLE TIME: 1445

SAMPLE	VOLUME(ml)	DISTANCE	SHIELDING	READING
Rx Coolant	10.0	1 inch	None	5.09E+02
		1 foot	None	3.54E+00
		1 inch	2inch Pb	5.09E+01
		1 foot	2inch Pb	3.54E-01
		1 inch	4inch Pb	5.09E+00
		1 foot	4inch Pb	3.54E-02
Rx Coolant	0.10	1 inch	None	5.09E+00
		1 foot	None	3.54E-02
		1 inch	2inch Pb	5.09E-01
		1 foot	2inch Pb	3.54E-03
		1 inch	4inch Pb	5.09E-02
		1 foot	4inch Pb	3.54E-04
Gas From Rx Coolant	1.0	1 inch	None	5.09E+01
		1 foot	None	3.54E-01
		1 inch	2inch Pb	5.09E+00
		1 foot	2inch Pb	3.54E-02
		1 inch	4inch Pb	5.09E-01
		1 foot	4inch Pb	3.54E-03
Suppression Pool Liquid	10.0	1 inch	None	3.03E-03
		1 foot	None	2.10E-05
		1 inch	2inch Pb	3.03E-04
		1 foot	2inch Pb	2.10E-06
		1 inch	4inch Pb	3.03E-05
		1 foot	4inch Pb	2.10E-07
Drywell Atmosphere	10.0	1 inch	None	1.60E-04
		1 foot	None	1.11E-06
		1 inch	2inch Pb	1.60E-05
		1 foot	2inch Pb	1.11E-07
		1 inch	4inch Pb	1.60E-06
		1 foot	4inch Pb	1.11E-08
Containment Atmosphere	10.0	1 inch	None	2.37E-04
		1 foot	None	1.64E-06
		1 inch	2inch Pb	2.37E-05
		1 foot	2inch Pb	1.64E-07
		1 inch	4inch Pb	2.37E-06
		1 foot	4inch Pb	1.64E-08

NOTE: Assume All Readings < 1.00E-02 mR/hr as Background

FACE RADIATION READINGS (mR/hr)

SAMPLE TIME: 1600

SAMPLE	VOLUME(ml)	DISTANCE	SHIELDING	READING
Rx Coolant	10.0	1 inch	None	5.01E+02
		1 foot	None	3.48E+00
		1 inch	2inch Pb	5.01E+01
		1 foot	2inch Pb	3.48E-01
		1 inch	4inch Pb	5.01E+00
		1 foot	4inch Pb	3.48E-02
Rx Coolant	0.10	1 inch	None	5.01E+00
		1 foot	None	3.48E-02
		1 inch	2inch Pb	5.01E-01
		1 foot	2inch Pb	3.48E-03
		1 inch	4inch Pb	5.01E-02
		1 foot	4inch Pb	3.48E-04
Gas From Rx Coolant	1.0	1 inch	None	5.01E+01
		1 foot	None	3.48E-01
		1 inch	2inch Pb	5.01E+00
		1 foot	2inch Pb	3.48E-02
		1 inch	4inch Pb	5.01E-01
		1 foot	4inch Pb	3.48E-03
Suppression Pool Liquid	10.0	1 inch	None	2.96E-03
		1 foot	None	2.06E-05
		1 inch	2inch Pb	2.96E-04
		1 foot	2inch Pb	2.06E-06
		1 inch	4inch Pb	2.96E-05
		1 foot	4inch Pb	2.06E-07
Drywell Atmosphere	10.0	1 inch	None	1.57E-04
		1 foot	None	1.09E-06
		1 inch	2inch Pb	1.57E-05
		1 foot	2inch Pb	1.09E-07
		1 inch	4inch Pb	1.57E-06
		1 foot	4inch Pb	1.09E-08
Containment Atmosphere	10.0	1 inch	None	2.32E-04
		1 foot	None	1.61E-06
		1 inch	2inch Pb	2.32E-05
		1 foot	2inch Pb	1.61E-07
		1 inch	4inch Pb	2.32E-06
		1 foot	4inch Pb	1.61E-08

NOTE: Assume All Readings < 1.00E-02 mR/hr as Bkgd

SECTION 9.2

RADIATION AREA DATA

Table 9.2.1.3

1992 RIVER BEND STATION EVALUATED EXERCISE
DRMS MONITOR TREND DATA

ID Number Location (Units)	Drill Time: / Clock Time:	00/15 0800	01/00 0845	01/15 0900	02/15 1000	02/45 1030	03/00 1045	03/15 1100	03/30 1115	03/45 1130	04/00 1145	04/15 1200
RE-16 A,B Containment PAM R.B. 186'(R/hr)		0.8	0.8	0.8	0.8	0.8	0.8	0.8	600	1000	1000	1000
RE-20 A,B Drywell PAM D.W. 114'(R/hr)		3.0	3.0	3.0	3.0	3.0	3.0	3.0	1200	2000	2000	2000
RE-21 A,B Cont. Purge Monitor R.B. 141(mR/hr)		9.0	9.0	[illegible]	9.0	9.0	9.0	9.0	2000	OSH	OSH	OSH
RE-139 Inside Annulus 114'(mR/hr)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	OSH	OSH	OSH	OSH
RE-141 Refuel Floor South R.B. 186'(mR/hr)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	OSH	OSH	OSH	OSH
RE-146 Containment Airlock F.B. 114'(mR/hr)		0.3	0.3	0.3	0.3	0.3	0.3	0.3	OSH	OSH	OSH	OSH
RE-151 Sample Station Area R.B. 162'(mR/hr)		5.0	5.0	5.0	5.0	5.0	5.0	5.0	OSH	OSH	OSH	OSH
RE-162 O.G.Bldg.Regen Area O.G. 67' (mR/hr)		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
RE-164 O.G.Bldg.Sampl. Area O.G. 123'(mR/hr)		2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
RE-165 Cond.Demin Rgn. Area O.G. 67'(mR/hr)		9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
RE-166 Cond.Demin Str. Area O.G. 95'(mR/hr)		0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
RE-167 O.G. Bldg.Vlv.Area O.G. 137'(mR/hr)		28	28	28	28	28	28	28	28	28	28	28
RE-162 Recovery Sample Tank R.W. 65'(mR/hr)		100	100	100	0.4*	0.4	0.4	0.4	0.4	0.4	0.4	0.4
RE-185 Storage Tank Area R.W. 90'(mR/hr)		10	10	10	0.2*	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RE-186 Floor Drain Sump R.W. 65'(mR/hr)		OSH	OSH	OSH	0.5*	0.5	0.5	0.5	0.5	0.5	0.5	0.5
RE-187 High Cond. Sump Area R.W. 65'(mR/hr)		5.0	5.0	5.0	0.3*	0.3	0.3	0.3	0.3	0.3	0.3	0.3
RE-192 Refuel Floor South F.B. 113'(mR/hr)		0.5	0.5	0.5	0.5	0.5	0.5	0.5	50	[illegible]	50	50
RE-193 Refuel Floor North F.B. 113'(mR/hr)		0.5	0.5	0.5	0.5	0.5	0.5	0.5	50	50	50	50
RE-194 Supt Rm Trans. Tube F.B. 123'(mR/hr)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	50	50	50	50
RE-195 Sample Sink Area F.B. 95'(mR/hr)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	50	50	50	50
RE-196 Equip. Drain Sump F.B. 70'(mR/hr)		0.5	0.5	0.5	0.5	0.5	0.5	0.5	50	50	50	50
RE-200 North Hoist Area T.B. 123'(mR/hr)		0.4	0.4	0.4	0.4	0.4	0.4	0.4	20	20	20	20
RE-201 Air Removal Pump T.B. 95'(mR/hr)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	20	20	20	20
RE-202 Rx Feed Pump Area T.B. 67'(mR/hr)		1.5	1.5	1.5	1.5	1.5	1.5	1.5	20	20	20	20
RE-203 Turb. Bldg Samp Rm T.B. 67'(mR/hr)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	20	20	20	20
RE-204 Cond Demin Samp Rack T.B. 95'(mR/hr)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	20	20	20	20
RE-210 PASS Panel A.B. 114'(mR/hr)		0.2	0.2	0.2	0.2	0.2	0.2	0.2	50	50	50	50
RE-211 Control Rod Drive A.B. 95'(mR/hr)		0.1	0.1	0.1	0.1	0.1	0.1	0.1	50	50	50	50
RE-212 HPCS Area East A.B. 70'(mR/hr)		0.09	0.09	0.09	0.09	0.09	0.09	0.09	50	50	50	50
RE-213 RHR A Area West A.B. 70'(mR/hr)		2.0	2.0	2.0	2.0	2.0	2.0	2.0	50	50	50	50
RE-214 RHR B Area East A.B. 70'(mR/hr)		2.0	2.0	2.0	2.0	2.0	2.0	2.0	50	50	50	50
RE-215 RHR C Area A.B. 70'(mR/hr)		1.0	1.0	1.0	1.0	1.0	1.0	1.0	50	50	50	50
RE-216 LPCS Area West A.B. 70'(mR/hr)		0.3	0.3	0.3	0.3	0.3	0.3	0.3	50	50	50	50
RE-217 HPCS Penetration East A.B.70'(mR/hr)		0.7	0.7	0.7	0.7	0.7	0.7	0.7	50	50	50	50
RE-218 LPCS Penetration West A.B.70'(mR/hr)		0.3	0.3	0.3	0.3	0.3	0.3	0.3	50	50	50	50
RE-219 RCIC Area West A.B. 70'(mR/hr)		0.5	0.5	0.5	0.5	0.5	0.5	0.5	50	50	50	50

Note: OSH - Off Scale High

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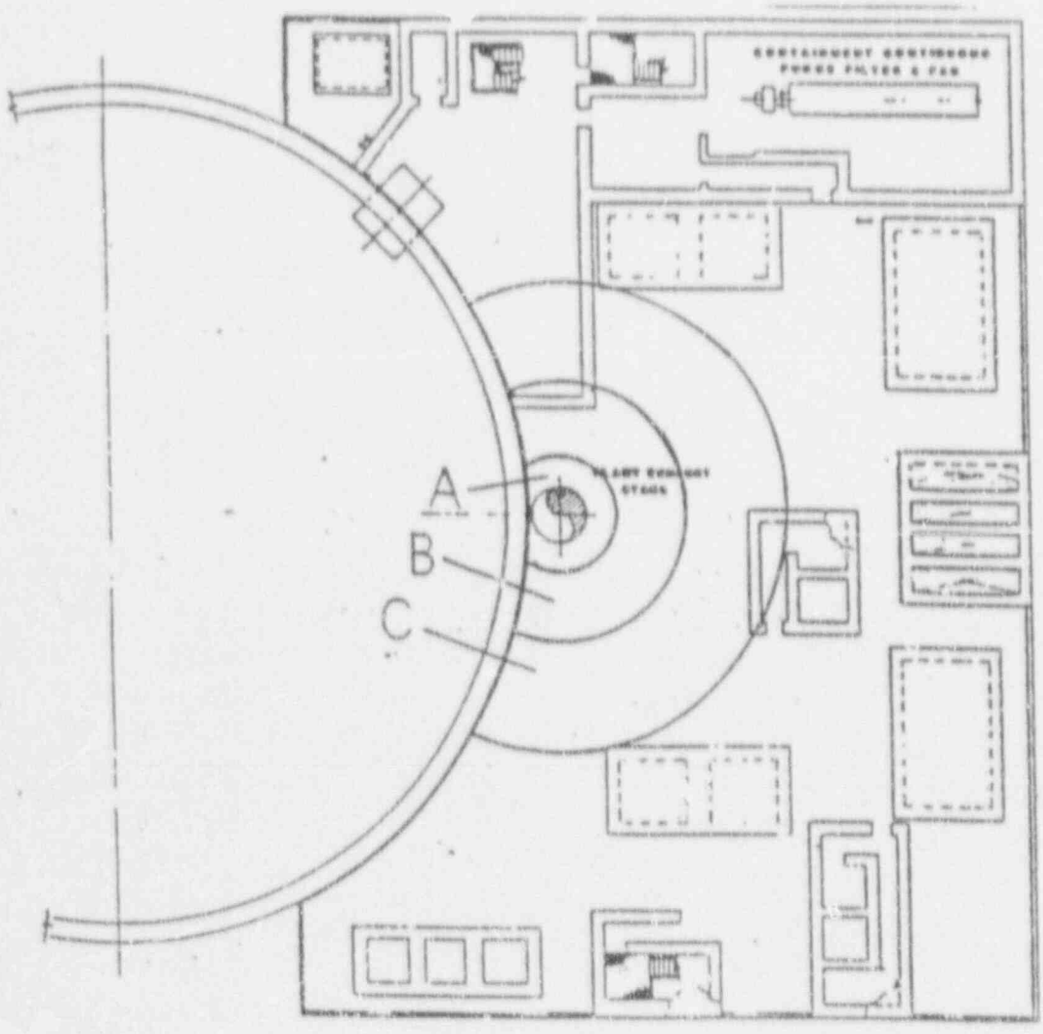
Table 9.2.1.8

1992 RIVER BEND STATION EVALUATED EXERCISE
DRMS MONITOR TREND DATA

ID Number Location (Units)	Drill Time: / Clock Time:	04/30 1215	04/45 1230	05/00 1245	05/15 1300	05/30 1315	05/45 1330	06/00 13-5	06/15 1400	06/30 1415	06/45 1430	07/15 1500
RE-16 A,B Containment P&M R.B. 186'(R/hr)		1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
RE-20 A,B Drywell P&M D.W. 114'(R/hr)		2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
RE-21 A,B Cont. Purge Monitor R.B. 141(mR/hr)		OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH
RE-139 Inside Annulus 114'(mR/hr)		OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH
RE-141 Refuel Floor South R.B. 186'(mR/hr)		OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH
RE-146 Containment Airlock F.B. 114'(mR/hr)		OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH
RE-151 Sample Station Area R.B. 162'(mR/hr)		OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH	OSH
RE-162 O.G.Bldg.Regen Area O.G. 67' (mR/hr)		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
RE-164 O.G.Bldg.Sampl. Area O.G. 123'(mR/hr)		2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
RE-165 Cond.Demin Rgn. Area O.G. 67'(mR/hr)		9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
RE-166 Cond.Demin Str. Area O.G. 95'(mR/hr)		0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
RE-167 O.G. Bldg.Viv.Area O.G. 137'(mR/hr)		28	28	28	28	28	28	28	28	28	28	28
RE-182 Recovery Sample Tank R.W. 65'(mR/hr)		0.4*	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
RE-185 Storage Tank Area R.W. 90'(mR/hr)		0.2*	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RE-186 Floor Drain Sump R.W. 65'(mR/hr)		0.5*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
RE-187 High Cond. Sump Area R.W. 65'(mR/hr)		0.3*	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
RE-192 Refuel Floor South F.B. 113'(mR/hr)		50	50	50	50	50	50	50	10	10	10	10
RE-193 Refuel Floor North F.B. 113'(mR/hr)		50	50	50	50	50	50	50	10	10	10	10
RE-194 Supt Rm Trans. Tube F.B. 123'(mR/hr)		50	50	50	50	50	50	50	10	10	10	10
RE-195 Sample Sink Area F.B. 95'(mR/hr)		50	50	50	50	50	50	50	10	10	10	10
RE-196 Equip. Drain Sump F.B. 70'(mR/hr)		50	50	50	50	50	50	50	10	10	10	10
RE-200 North Hoist Area T.B. 123'(mR/hr)		20	20	20	20	20	20	20	5.0	5.0	5.0	5.0
RE-201 Air Removal Pump T.B. 95'(mR/hr)		20	20	20	20	20	20	20	5.0	5.0	5.0	5.0
RE-202 Rx Feed Pump Area T.B. 67'(mR/hr)		20	20	20	20	20	20	20	5.0	5.0	5.0	5.0
RE-203 Turb. Bldg Samp Rm T.B. 67'(mR/hr)		20	20	20	20	20	20	20	5.0	5.0	5.0	5.0
RE-204 Cond Demin Samp Rack T.B. 95'(mR/hr)		20	20	20	20	20	20	20	5.0	5.0	5.0	5.0
RE-210 PASS Panel A.B. 114'(mR/hr)		50	50	50	50	50	50	50	10	10	10	10
RE-211 Control Rod Drive A.B. 95'(mR/hr)		50	50	50	50	50	50	50	10	10	10	10
RE-212 HPCS Area East A.B. 70'(mR/hr)		50	50	50	50	50	50	50	10	10	10	10
RE-213 RHR A Area West A.B. 70'(mR/hr)		50	50	50	50	50	50	50	10	10	10	10
RE-214 RHR B Area East A.B. 70'(mR/hr)		50	50	50	50	50	50	50	10	10	10	10
RE-215 RHR C Area A.B. 70'(mR/hr)		50	50	50	50	50	50	50	OSH	OSH	OSH	OSH
RE-216 LPCS Area West A.B. 70'(mR/hr)		50	50	50	50	50	50	50	10	10	10	10
RE-217 HPCS Penetration East A.B.70'(mR/hr)		50	50	50	50	50	50	50	10	10	10	10
RE-218 LPCS Penetration West A.B.70'(mR/hr)		50	50	50	50	50	50	50	10	10	10	10
RE-219 RCIC Area West A.B. 70'(mR/hr)		50	50	50	50	50	50	50	10	10	10	10

Note: OSH - Off Scale High

Figure 9.2.2



AUXILIARY BUILDING ROOF EL. 170'-0"

Table 9.2.2
Auxiliary Building Elevation 170'-185'

		0800 0845	0845 0900	0900 1000	1000 1030	1030 1100	1100 1115	1115 1130	1130 1145	1145 1200	1200 1215	1215 1230
Ambient Radiation Level (mr/hr)												
ZONE A	As Found	---	---	---	---	---	---	2000	2000	2000	2000	2000
ZONE B	As Found	---	---	---	---	---	---	200	200	200	200	200
ZONE C	As Found	---	---	---	---	---	---	50	50	50	50	50
GENERAL AREAS	As Found	---	---	---	---	---	---	50	50	50	50	50

Contamination Levels (dpm/100cm2)

General Areas "AS READ" for the duration of the exercise.

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise.

Table 9.2.2 (Continued)
Auxiliary Building Elevation 170'-185'

	1230 1245	1245 1300	1300 1315	1315 1330	1330 1345	1345 1400	1400 1415	1415 1430	1430 1445	1445 1500	1500 END
Ambient Radiation Level (mr/hr)											
ZONE A	2000	2000	2000	2000	[illegible]	2000	100	100	100	100	100
ZONE B	200	200	200	200	200	200	50	50	50	50	50
ZONE C	50	50	50	50	50	50	10	10	10	10	10
GENERAL AREAS	50	50	50	50	50	50	10	10	10	10	10

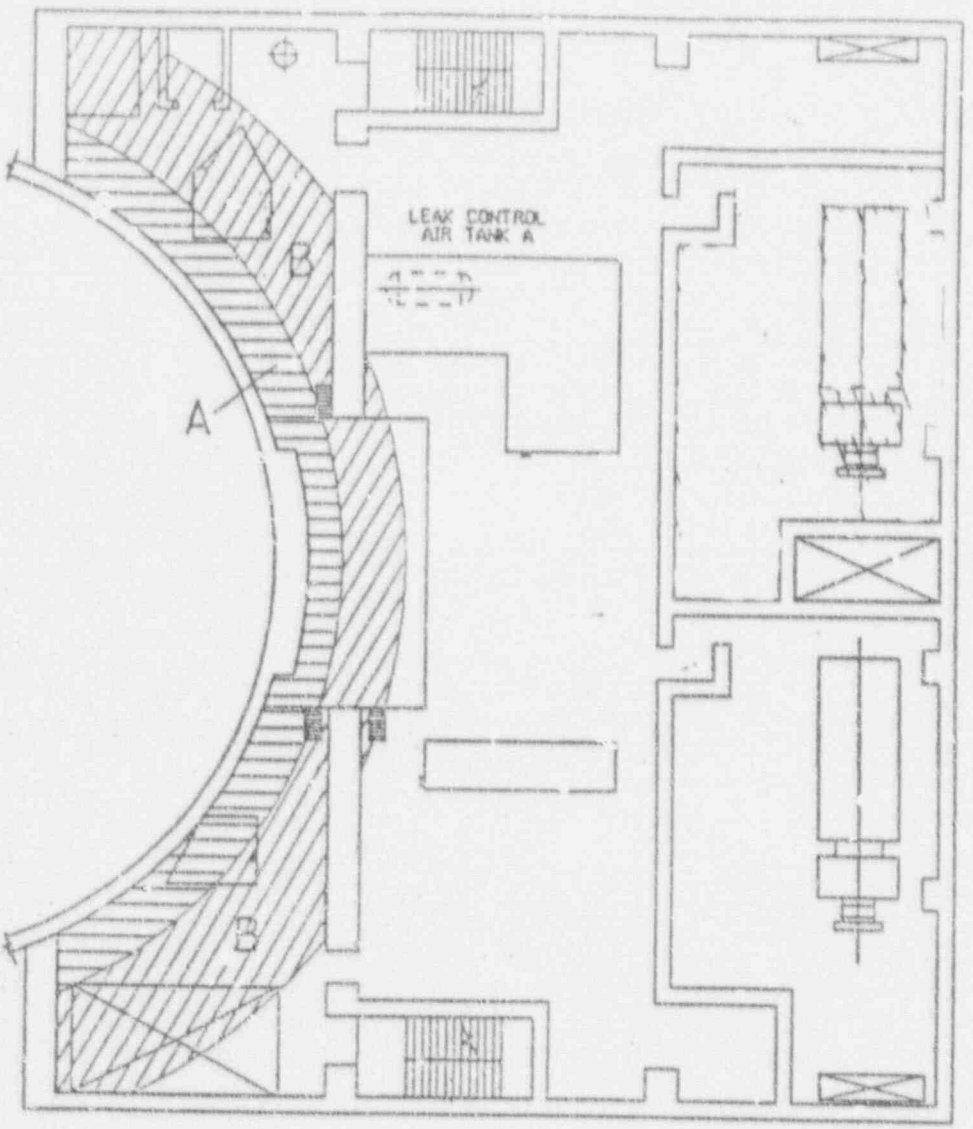
Contamination Levels (dpm/100cm2)

G ral Areas "AS READ" for the duration of the exercise.

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise.

Figure 9.2.3



AUXILIARY BUILDING EL. 141'-0"

Table 9.2.3
Auxiliary Building Elevation 141'

		0800 0845	0845 0900	0900 1000	1000 1030	1030 1100	1100 1115	1115 1130	1130 1145	1145 1200	1200 1215	1215 1230
Ambient Radiation Level (mr/hr)												
Cont.w/RB Wall	As Found	---	---	---	---	---	---	---	2500	2500	2500	2500
ZONE A	As Found	---	---	---	---	---	---	---	100	100	100	100
ZONE B	As Found	---	---	---	---	---	---	---	50	50	50	50
GENERAL AREAS	As Found	---	---	---	---	---	---	---	50	50	50	50

Contamination Levels (dpm/100cm2)

General Areas "AS READ" for the duration of the exercise.

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise.

Table 9.2.3(Continued)
Auxiliary Building Elevation 141'

	1230 1245	1245 1300	1300 1315	1315 1330	1330 1345	1345 1400	1400 1415	1415 1430	1430 1445	1445 1500	1500 END
Ambient Radiation Level (mr/hr)											
Cont.w/RB Wall	2500	2500	2500	2500	2500	2500	100	100	100	100	100
ZONE A	100	100	100	100	100	100	50	50	50	50	50
ZONE B	50	50	50	50	50	50	10	10	10	10	10
GENERAL AREAS	50	50	50	50	50	50	10	10	10	10	10

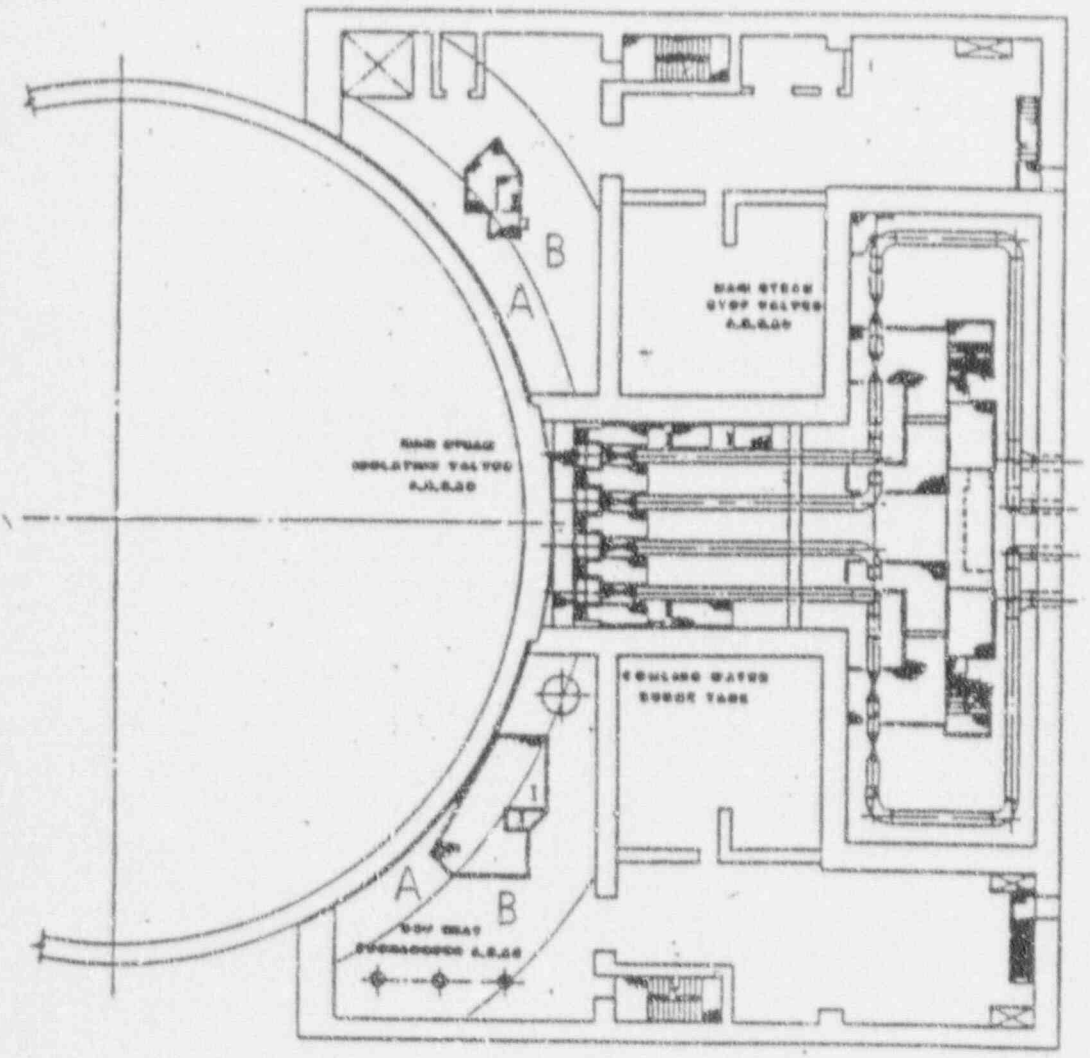
Contamination Levels (dpm/100cm2)

General Areas "AS READ" for the duration of the exercise.

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise.

Figure 9.2.4



AUXILIARY BUILDING EL. 114'-0"

Table 9.2.4
Auxiliary Building Elevation 114'

	0800 0845	0845 0900	0900 1000	1000 1030	1030 1100	1100 1115	1115 1130	1130 1145	1145 1200	1200 1215	1215 1230
Ambient Radiation Level (mr/hr)											
Cont.w/R8 Wall	As Found	---	---	---	---	---	1800	2500	2500	2500	2500
ZONE A	As Found	---	---	---	---	---	70	100	100	100	100
ZONE B	As Found	---	---	---	---	---	50	50	50	50	50
GENERAL AREAS	As Found	---	---	---	---	---	50	50	50	50	50
ARM RE-210	0.2	0.2	0.2	0.2	0.2	0.2	50	50	50	50	50

Contamination Levels (dpm/100cm2)

General Areas "AS READ" for the duration of the exercise.

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise.

Table 9.2.4(Continued)
Auxiliary Building Elevation 114'

	1230 1245	1245 1300	1300 1315	1315 1330	1330 1345	1345 1400	1400 1415	1415 1430	1430 1445	1445 1500	1500 END
Ambient Radiation Level (mr/hr)											
Cont.w/RB Wall	2500	2500	2500	2500	2500	2500	100	100	100	100	100
ZONE A	100	100	100	100	100	100	50	50	50	50	50
ZONE B	50	50	50	50	50	50	10	10	10	10	10
GENERAL AREAS	50	50	50	50	50	50	10	10	10	10	10
ARM RE-210	50	50	50	50	50	50	10	10	10	10	10

Contamination Levels (dpm/100cm2)

General Areas "AS READ" for the duration of the exercise.

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise.

PASS SAMPLE AREA

Figure 9.2.5

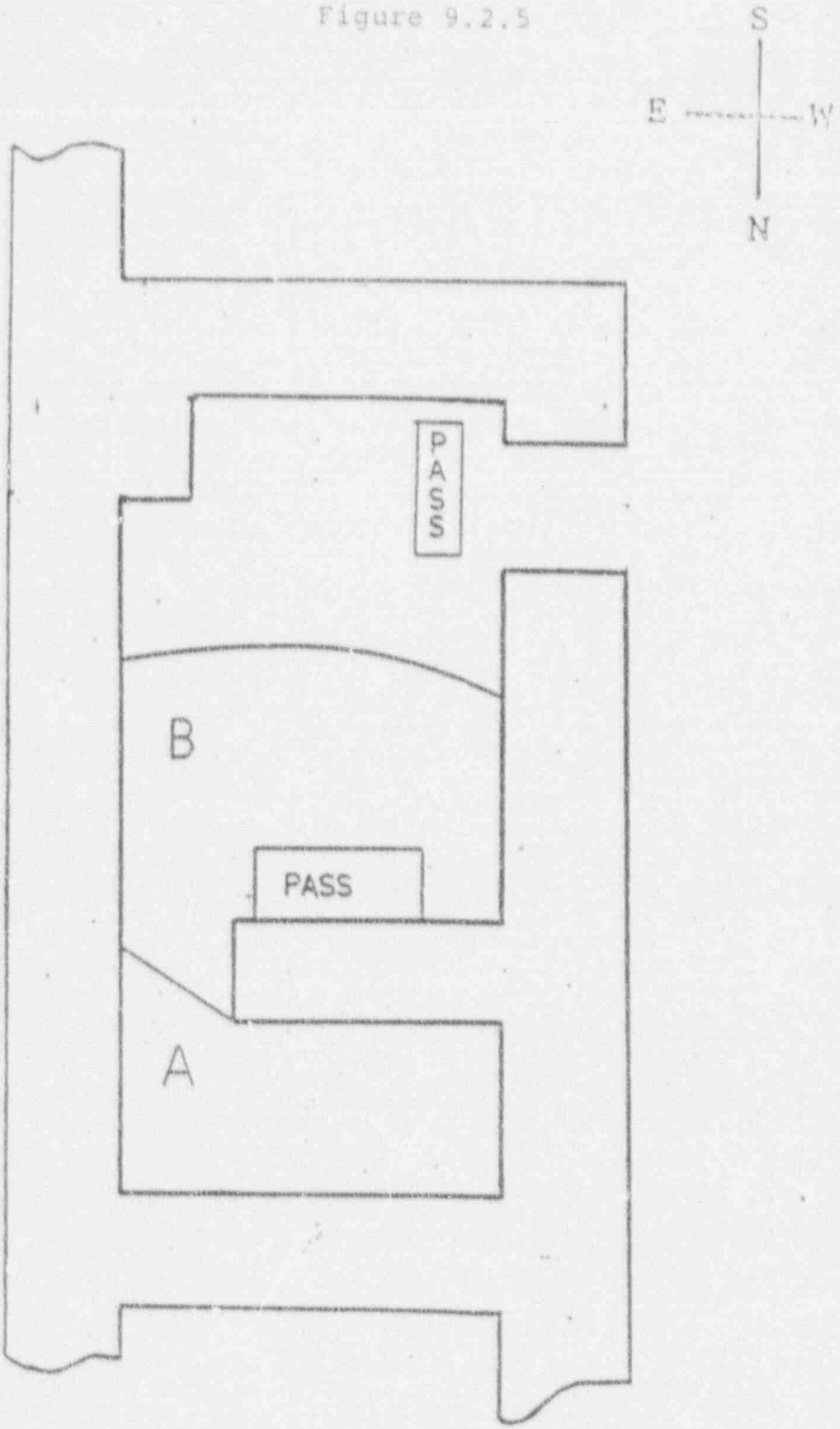


Table 9.2.5
Auxiliary Building Elevation PASS Sample Area

	0800 0845	0845 0900	0900 1000	1000 1030	1030 1100	1100 1115	1115 1130	1130 1145	1145 1200	1200 1215	1215 1230
Ambient Radiation Level (mr/hr)											
Cont.w/Sample Line	As Found	---	---	---	---	---	1800	2500	2500	2500	2500
ZONE A	As Found	---	---	---	---	---	70	100	100	100	100
ZONE B	As Found	---	---	---	---	---	50	50	50	50	50
GENERAL AREAS	As Found	---	---	---	---	---	50	50	50	50	50
ARM RE-210	0.2	0.2	0.2	0.2	0.2	0.2	50	50	50	50	50

Contamination Levels (dpm/100cm2)

General Areas "AS READ" for the duration of the exercise.

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise.

Table 9.2.5(Continued)
Auxiliary Building Elevation PASS Sample Area

	1230 1245	1245 1300	1300 1315	1315 1330	1330 1345	1345 1400	1400 1415	1415 1430	1430 1445	1445 1500	1500 END
Ambient Radiation Level (mr/hr)											
Cont.w/Sample Line	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500
ZONE A	100	100	100	100	100	100	100	100	100	100	100
ZONE B	50	50	50	50	50	50	50	50	50	50	50
GENERAL AREAS	50	50	50	50	50	50	10	10	10	10	10
ARM RE-210	50	50	50	50	50	50	10	10	10	10	10

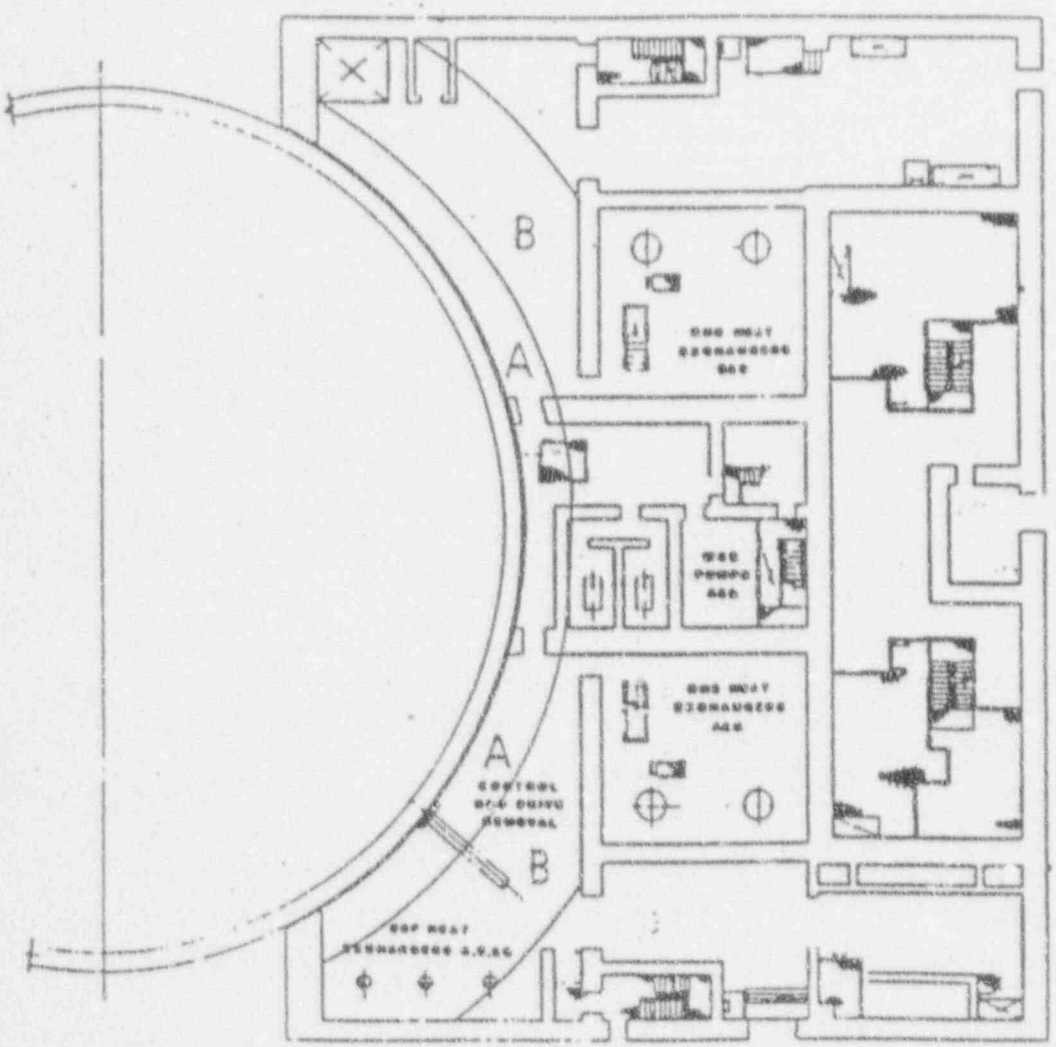
Contamination Levels (dpm/100cm2)

General Areas "AS READ" for the duration of the exercise.

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise.

Figure 9.2.6



AUXILIARY BUILDING EL. 95'-9"

Table 9.2.6
Auxiliary Building Elevation 95'

	0800 0845	0845 0900	0900 1000	1000 1030	1030 1100	1100 1115	1115 1130	1130 1145	1145 1200	1200 1215	1215 1230
Ambient Radiation Level (mr/hr)											
Cont.w/RB Wall	As Found	---	---	---	---	---	1800	2500	2500	2500	2500
ZONE A	As Found	---	---	---	---	---	70	100	100	100	100
ZONE B	As Found	---	---	---	---	---	50	50	50	50	50
GENERAL AREAS	As Found	---	---	---	---	---	50	50	50	50	50
ARM RE-211	0.1	0.1	0.1	0.1	0.1	0.1	50	50	50	50	50

Contamination Levels (dpm/100cm2)

General Areas "AS READ" for the duration of the exercise.

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise.

Table 9.2.6(Continued)
Auxiliary Building Elevation 95'

	1230 1245	1245 1300	1300 1315	1315 1330	1330 1345	1345 1400	1400 1415	1415 1430	1430 1445	1445 1500	1500 END
Ambient Radiation Level (mr/hr)											
Cont.w/RB Wall	2500	2500	2500	2500	2500	2500	100	100	100	100	100
ZONE A	100	100	100	100	100	100	50	50	50	50	50
ZONE B	50	50	50	50	50	50	10	10	10	10	10
GENERAL AREAS	50	50	50	50	50	50	10	10	10	10	10
ARM RE-211	50	50	50	50	50	50	10	10	10	10	10

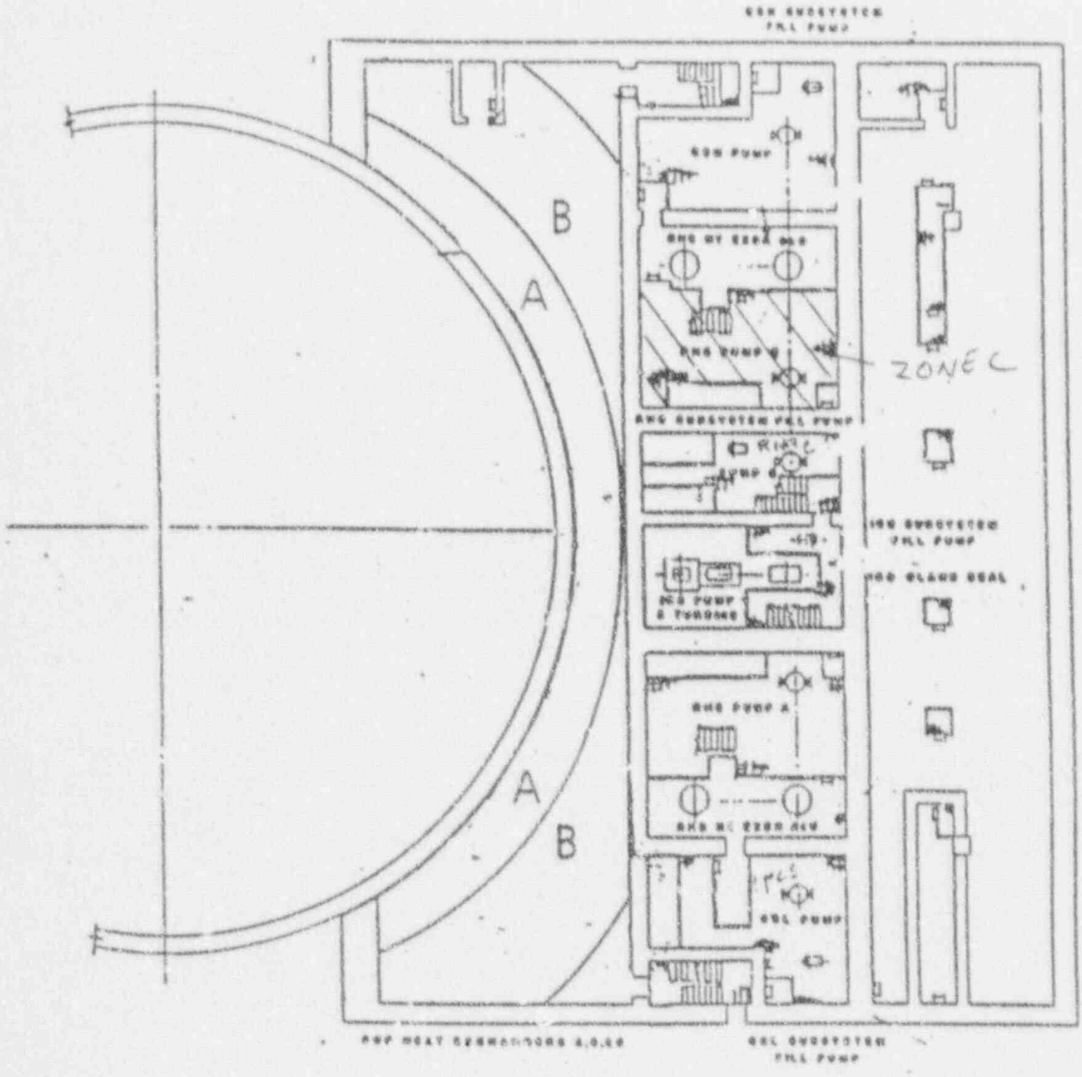
Contamination Levels (dpm/100cm2)

General Areas "AS READ" for the duration of the exercise.

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise.

Figure 9.2.7



AUXILIARY BUILDING EL. 70'-0"

Table 9.2.7
Auxiliary Building Elevation 70'

	0800 0845	0845 0900	0900 1000	1000 1030	1030 1100	1100 1115	1115 1130	1130 1145	1145 1200	1200 1215	1215 1230
Ambient Radiation Level (mr/hr)											
Cont.w/RB Wall	As Found	---	---	---	---	---	1800	2500	2500	2500	2500
ZONE A	As Found	---	---	---	---	---	70	100	100	100	100
ZONE B	As Found	---	---	---	---	---	50	50	50	50	50
ZONE C	As Found	---	---	---	---	---	50	50	50	50	50
GENERAL AREAS	As Found	---	---	---	---	---	50	50	50	50	50
ARM RE-212	0.09	0.09	0.09	0.09	0.09	0.09	50	50	50	50	50
RE-213	2.0	2.0	2.0	2.0	2.0	2.0	50	50	50	50	50
RE-214	2.0	2.0	2.0	2.0	2.0	2.0	50	50	50	50	50
RE-215	1.0	1.0	1.0	1.0	1.0	1.0	50	50	50	50	50
RE-216	0.3	0.3	0.3	0.3	0.3	0.3	50	50	50	50	50
RE-217	0.7	0.7	0.7	0.7	0.7	0.7	50	50	50	50	50
RE-218	0.3	0.3	0.3	0.3	0.3	0.3	50	50	50	50	50
RE-219	0.5	0.5	0.5	0.5	0.5	0.5	50	50	50	50	50

Contamination Levels (dpm/100cm2)

General Areas "AS READ" for the duration of the exercise.

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise.

Table 9.2.7(Continued)
Auxiliary Building Elevation 70'

	1230 1245	1245 1300	1300 1315	1315 1330	1330 1345	1345 1400	1400 1415	1415 1430	1430 1445	1445 1500	1500 END
Ambient Radiation Level (mr/hr)											
Cont.w/RB Wall	2500	2500	2500	2500	2500	2500	100	100	100	100	100
ZONE A	100	100	100	100	100	100	50	50	50	50	50
ZONE B	50	50	50	50	50	50	10	10	10	10	10
ZONE C	50	50	50	50	50	50	2500	2500	2500	2500	10
GENERAL AREAS	50	50	50	50	50	50	10	10	10	10	10
ARM RE-212	50	50	50	50	50	50	10	10	10	10	10
RE-213	50	50	50	50	50	50	10	10	10	10	10
RE-214	50	50	50	50	50	50	OSH	OSH	OSH	OSH	10
RE-215	50	50	50	50	50	50	10	10	10	10	10
RE-216	50	50	50	50	50	50	10	10	10	10	10
RE-217	50	50	50	50	50	50	10	10	10	10	10
RE-218	50	50	50	50	50	50	10	10	10	10	10
RE-219	50	50	50	50	50	50	10	10	10	10	10

Contamination Levels (dpm/100cm2)

General Areas "AS READ" for the duration of the exercise.

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise.

FUEL BLDG. ROOF

Figure 9.2.8

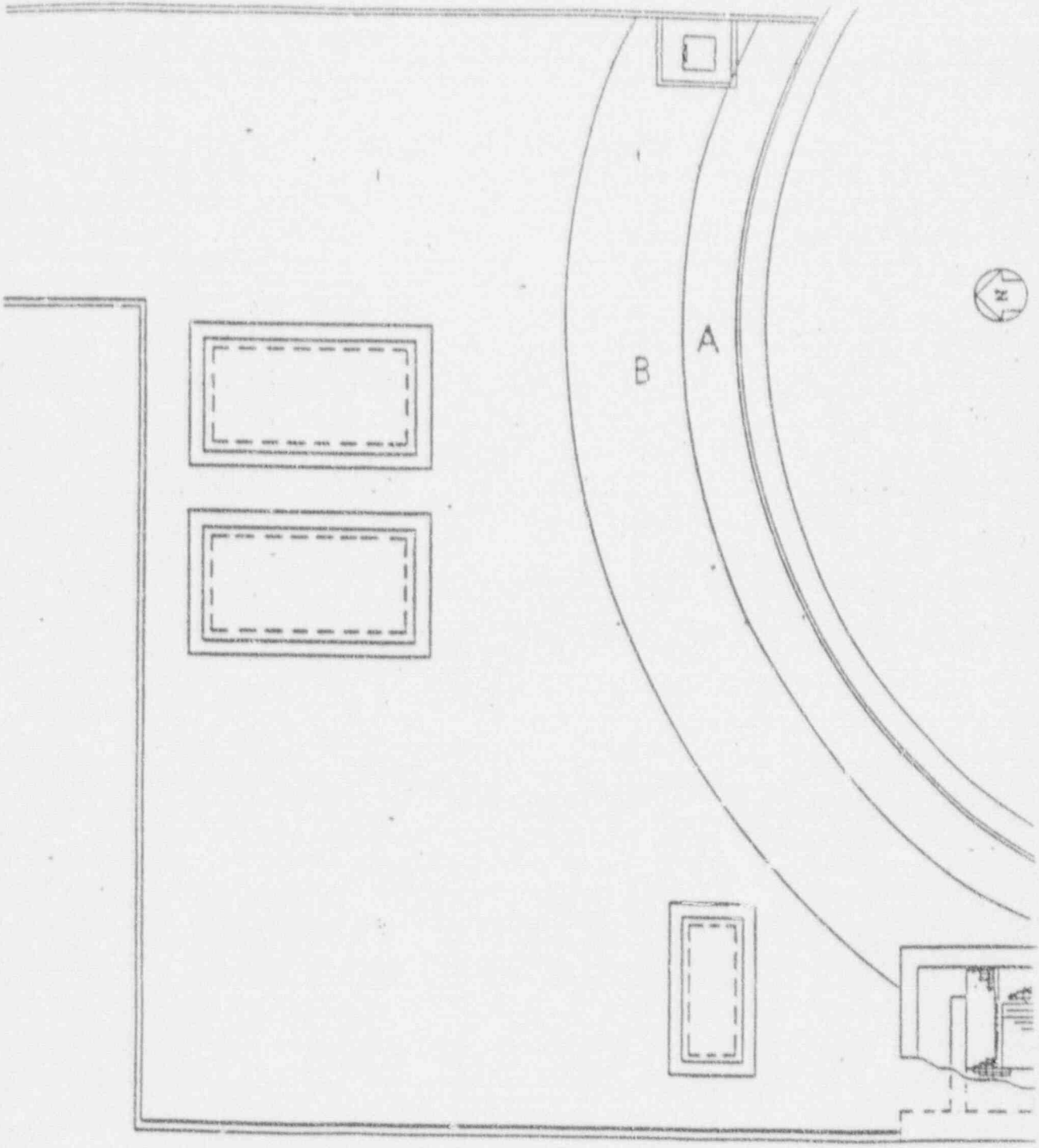


Table 9.2.8
Fuel Building Elevation Roof

	0800 0845	0845 0900	0900 1000	1000 1030	1030 1100	1100 1115	1115 1130	1130 1145	1145 1200	1200 1215	1215 1230
Ambient Radiation Level (mr/hr)											
Cont.w/RB Wall	As Found	---	---	---	---	---	1800	2500	2500	2500	2500
ZONE A	As Found	---	---	---	---	---	70	100	100	100	100
ZONE B	As Found	---	---	---	---	---	50	50	50	50	50
GENERAL AREAS	As Found	---	---	---	---	---	50	50	50	50	50

Contamination Levels (dpm/100cm2)

General Areas "AS READ" for the duration of the exercise.

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise.

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Table 9.2.8(Continued)
Fuel Building Elevation Roof

	1230 1245	1245 1300	1300 1315	1315 1330	1330 1345	1345 1400	1400 1415	1415 1430	1430 1445	1445 1500	1500 END
Ambient Radiation Level (mr/hr)											
Cont.w/RB Wall	2500	2500	2500	2500	2500	2500	100	100	100	100	100
ZONE A	100	100	100	100	100	100	50	50	50	50	50
ZONE B	50	50	50	50	50	50	10	10	10	10	10
GENERAL AREAS	50	50	50	50	50	50	10	10	10	10	10

Contamination Levels (dpm/100cm2)

General Areas "AS READ" for the duration of the exercise.

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise.

FUEL BLDG.

EL. 148'

Figure 9.2.9

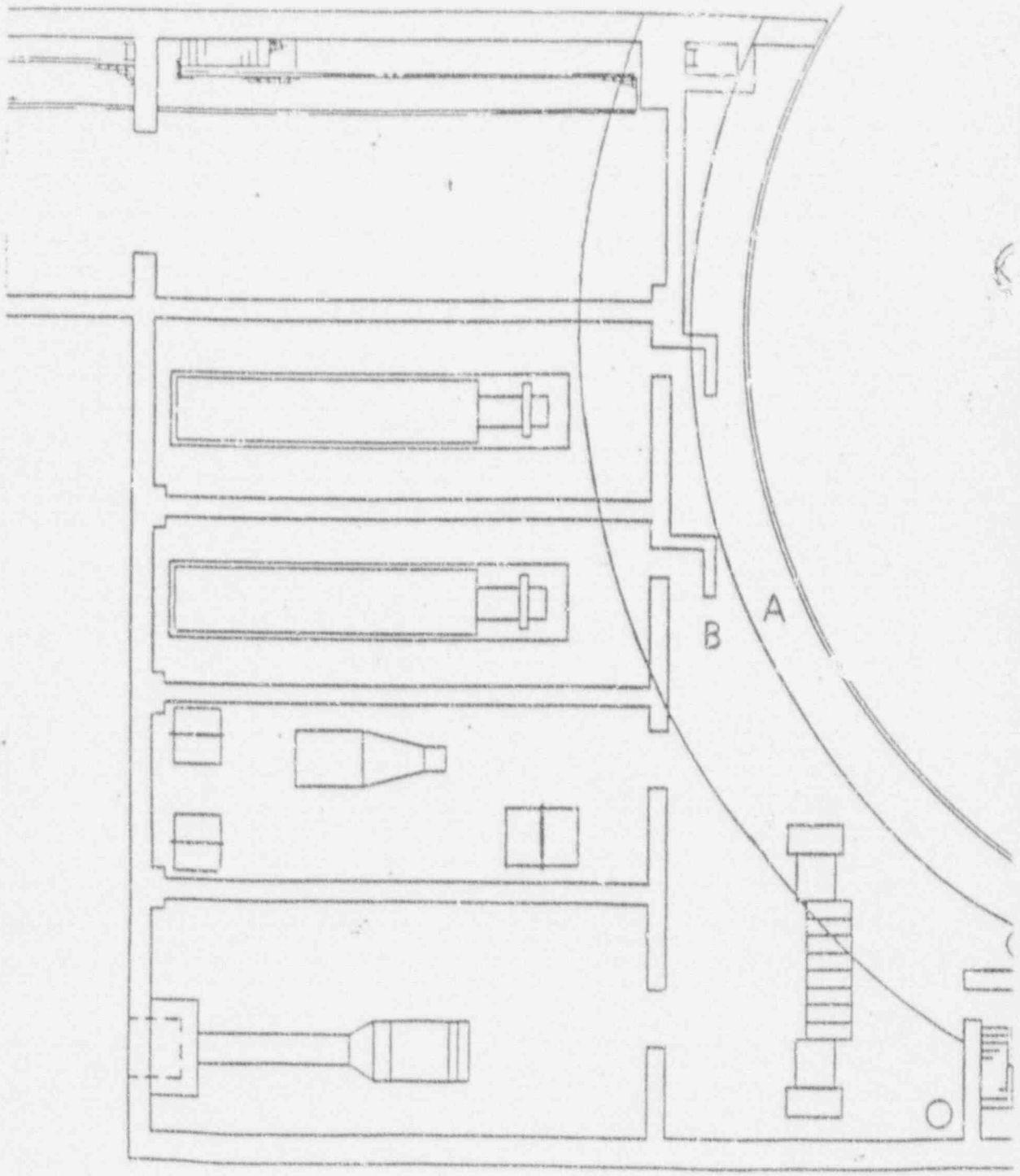

Table 9.2.9
Fuel Building Elevation 148'

	0800 0845	0845 0900	0900 1000	1000 1030	1030 1100	1100 1115	1115 1130	1130 1145	1145 1200	1200 1215	1215 1230
Ambient Radiation Level (mr/hr)											
Cont.w/RB Wall	As Found	---	---	---	---	---	1800	2500	2500	2500	2500
ZONE A	As Found	---	---	---	---	---	70	100	100	100	100
ZONE B	As Found	---	---	---	---	---	50	50	50	50	50
GENERAL AREAS	As Found	---	---	---	---	---	50	50	50	50	50

Contamination Levels (dpm/100cm2)

General Areas "AS READ" for the duration of the exercise.

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise.

Table 9.2.9(Continued)
Fuel Building Elevation 148'

	1230 1245	1245 1300	1300 1315	1315 1330	1330 1345	1345 1400	1400 1415	1415 1430	1430 1445	1445 1500	1500 END
Ambient Radiation Level (mr/hr)											
Cont.&RB Wall	2500	2500	2500	2500	2500	2500	100	100	100	100	100
ZONE A	100	100	100	100	100	100	50	50	50	50	50
ZONE B	50	50	50	50	50	50	10	10	10	10	10
GENERAL AREAS	50	50	50	50	50	50	10	10	10	10	10

Contemination Levels (dpm/100cm2)

General Areas "AS READ" for the duration of the exercise.

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise.

FUEL BLDG.

EL. 113'

Figure 9.2.10

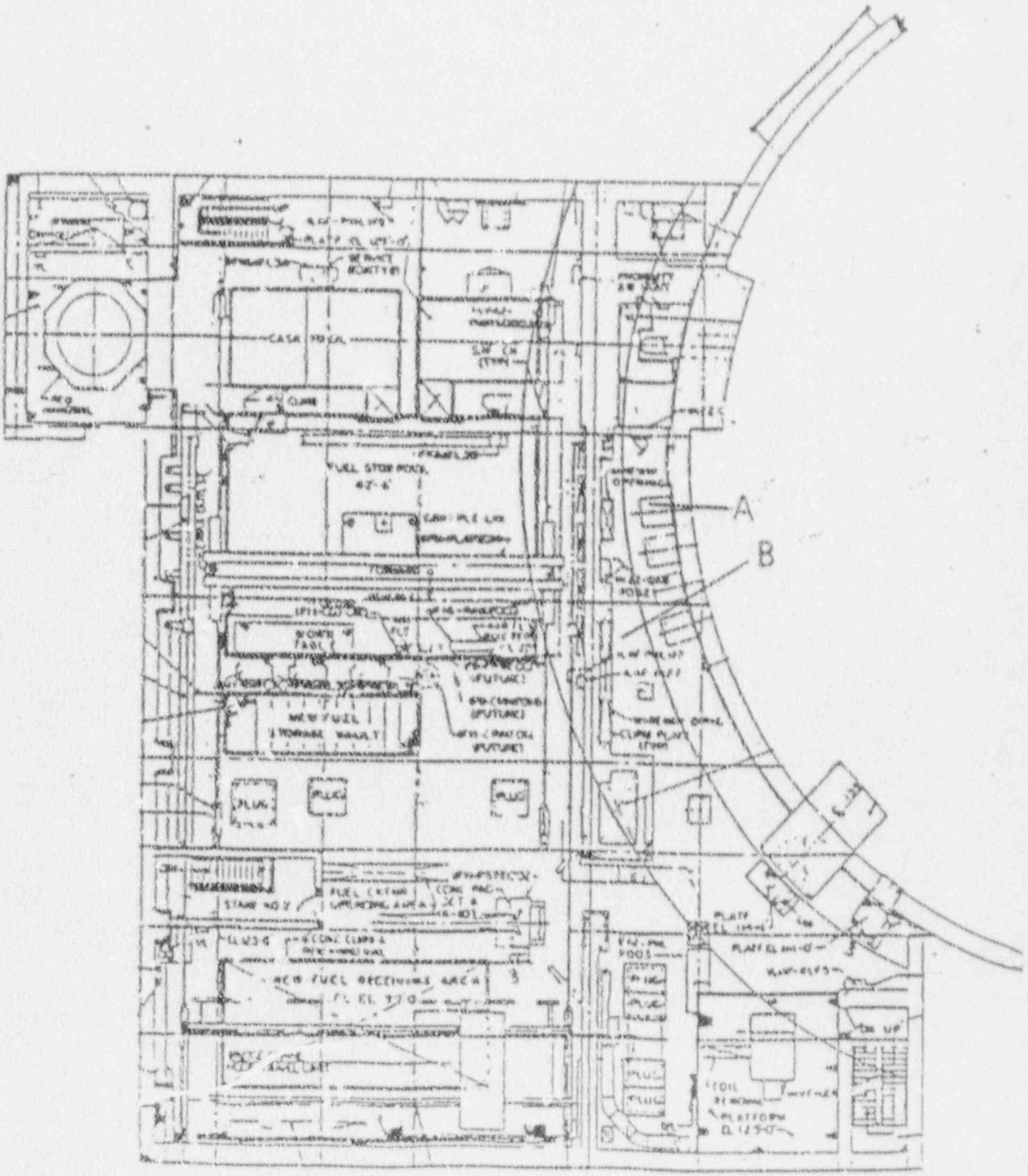

Table 9.2.10
Fuel Building Elevation 113'

	0800 0845	0845 0900	0900 1000	1000 1030	1030 1100	1100 1115	1115 1130	1130 1145	1145 1200	1200 1215	1215 1230
Ambient Radiation Level (mr/hr)											
Cont.w/RB Wall	As Found	---	---	---	---	---	1800	2500	2500	2500	2500
ZONE A	As Found	---	---	---	---	---	70	100	100	100	100
ZONE B	As Found	---	---	---	---	---	50	50	50	50	50
GENERAL AREAS	As Found	---	---	---	---	---	50	50	50	50	50
ARM RE-192	0.5	0.5	0.5	0.5	0.5	0.5	50	50	50	50	50
RE-193	0.5	0.5	0.5	0.5	0.5	0.5	50	50	50	50	50
RE-194	0.2	0.2	0.2	0.2	0.2	0.2	50	50	50	50	50

Contamination Levels (dpm/100cm2)

General Areas "AS READ" for the duration of the exercise.

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise.

Table 9.2.10(Continued)
Fuel Building Elevation 113'

	1230 1245	1245 1300	1300 1315	1315 1330	1330 1345	1345 1400	1400 1415	1415 1430	1430 1445	1445 1500	1500 END
Ambient Radiation Level (mr/hr)											
Cont. w/RB Wall	2500	2500	2500	2500	2500	2500	100	100	100	100	100
ZONE A	100	100	100	100	100	100	50	50	50	50	50
ZONE B	50	50	50	50	50	50	10	10	10	10	10
GENERAL AREAS	50	50	50	50	50	50	10	10	10	10	10
ARM RE-192	50	50	50	50	50	50	10	10	10	10	10
RE-193	50	50	50	50	50	50	10	10	10	10	10
RE-194	50	50	50	50	50	50	10	10	10	10	10

Contamination Levels (dpm/100cm2)

General Areas "AS READ" for the duration of the exercise.

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise.

FUEL BLDG.

EL. 95'

Figure 9.2.11

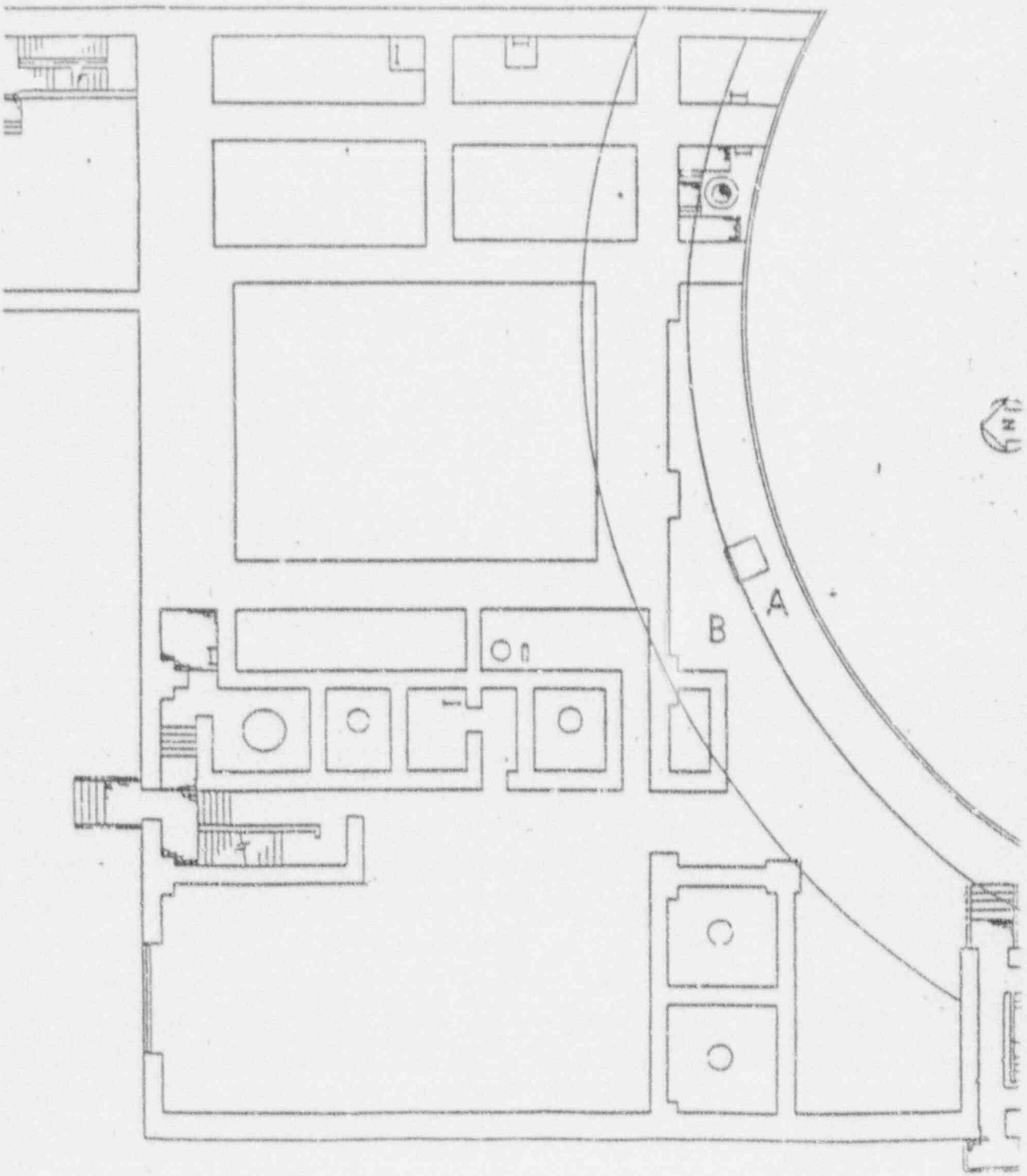

Table 9.2.11
Fuel Building Elevation 95'

	0800 0845	0845 0900	0900 1000	1000 1030	1030 1100	1100 1115	1115 1130	1130 1145	1145 1200	1200 1215	1215 1230
Ambient Radiation Level (mr/hr)											
Cont.w/RB Wall	As Found	---	---	---	---	---	1800	2500	2500	2500	2500
ZONE A	As Found	---	---	---	---	---	70	100	100	100	100
ZONE B	As Found	---	---	---	---	---	50	50	50	50	50
GENERAL AREAS	As Found	---	---	---	---	---	50	50	50	50	50
ARM RE-195	0.2	0.2	0.2	0.2	0.2	0.2	50	50	50	50	50

Contamination Levels (dpm/100cm2)

General Areas "AS READ" for the duration of the exercise.

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise.

Table 9.2.11(Continued)
Fuel Building Elevation 95'

	1230 1245	1245 1300	1300 1315	1315 1330	1330 1345	1345 1400	1400 1415	1415 1430	1430 1445	1445 1500	1500 END
Ambient Radiation Level (mr/hr)											
Cont.w/RB Wall	2500	2500	2500	2500	2500	2500	100	100	100	100	100
ZONE A	100	100	100	100	100	100	50	50	50	50	50
ZONE B	50	50	50	50	50	50	10	10	10	10	10
GENERAL AREAS	50	50	50	50	50	50	10	10	10	10	10
ARM RE-195	50	50	50	50	50	50	10	10	10	10	10

Contamination Levels (dpm/100cm2)

General Areas "AS READ" for the duration of the exercise.

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise.

FUEL BLDG.

EL. 70'

Figure 9.2.12

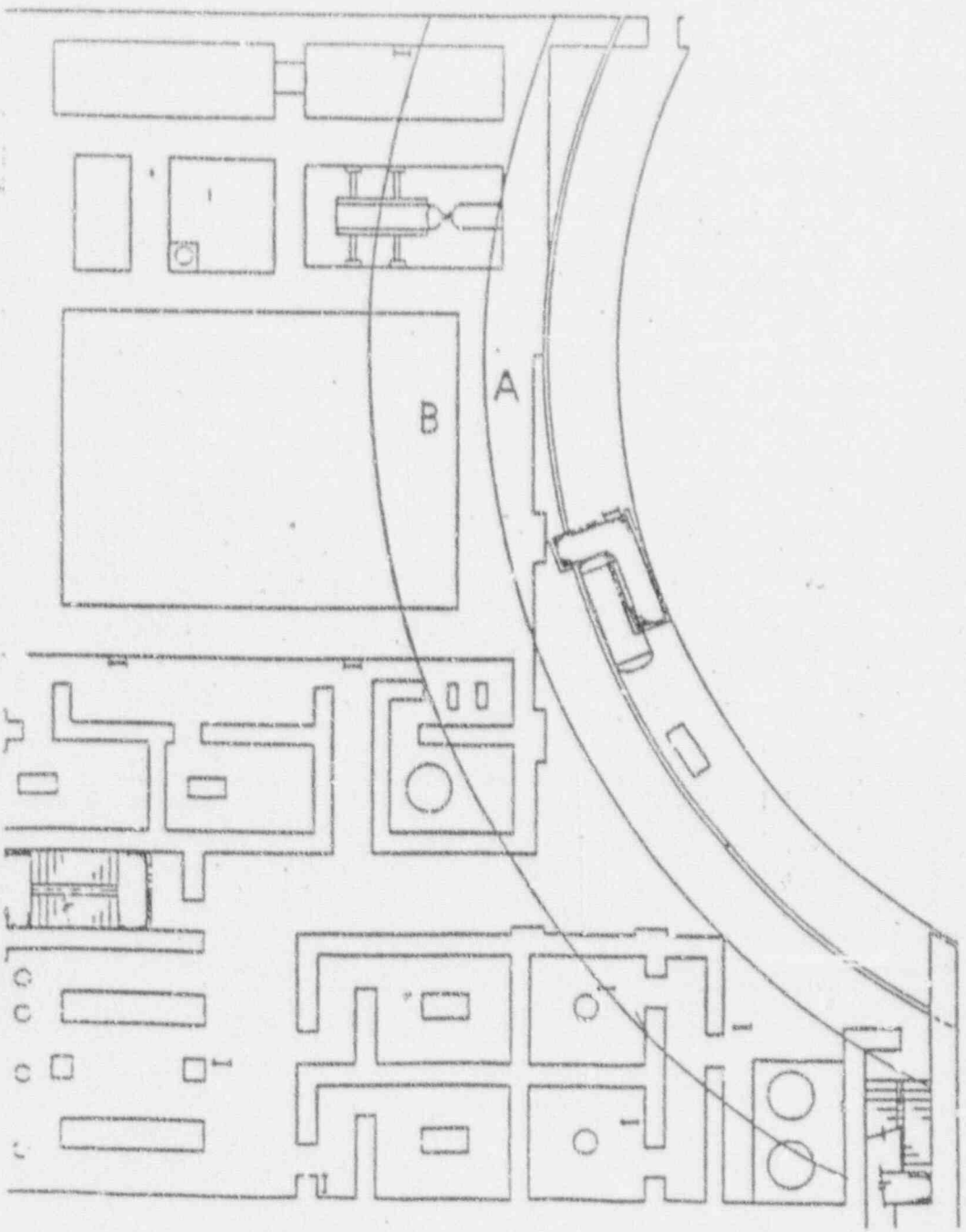

Table 9.2.12
Fuel Building Elevation 70'

		0800 0845	0845 0900	0900 1000	1000 1030	1030 1100	1100 1115	1115 1130	1130 1145	1145 1200	1200 1215	1215 1230
Ambient Radiation Level (mr/hr)												
Cont.w/RB Wall	As Found	---	---	---	---	---	---	1800	2500	2500	2500	2500
ZONE A	As Found	---	---	---	---	---	---	70	100	100	100	100
ZONE 3	As Found	---	---	---	---	---	---	50	50	50	50	50
GENERAL AREAS	As Found	---	---	---	---	---	---	50	50	50	50	50
ARM RE-195	0.5	0.5	0.5	0.5	0.5	0.5	0.5	50	50	50	50	50

Contamination Levels (dpm/100cm2)

General Areas "AS FOUND" for the duration of the exercise.

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise

Table 9.2.12(Continued)
Fuel Building Elevation 70'

	1230 1245	1245 1300	1300 1315	1315 1330	1330 1345	1345 1400	1400 1415	1415 1430	1430 1445	1445 1500	1500 END
Ambient Radiation Level (mr/hr)											
Cont.w/RB Wall	2500	2500	2500	2500	2500	2500	100	100	100	100	100
ZONE A	100	100	100	100	100	100	50	50	50	50	50
ZONE B	50	50	50	50	50	50	10	10	10	10	10
GENERAL AREAS	50	50	50	50	50	50	10	10	10	10	10
ARM RE-196	50	50	50	50	50	50	10	10	10	10	10

Contamination Levels (dpm/100cm2)

General Areas "AS READ" for the duration of the exercise.

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise.

TURB. BLDG.

EL. Above 123'

F gure 9.2.13

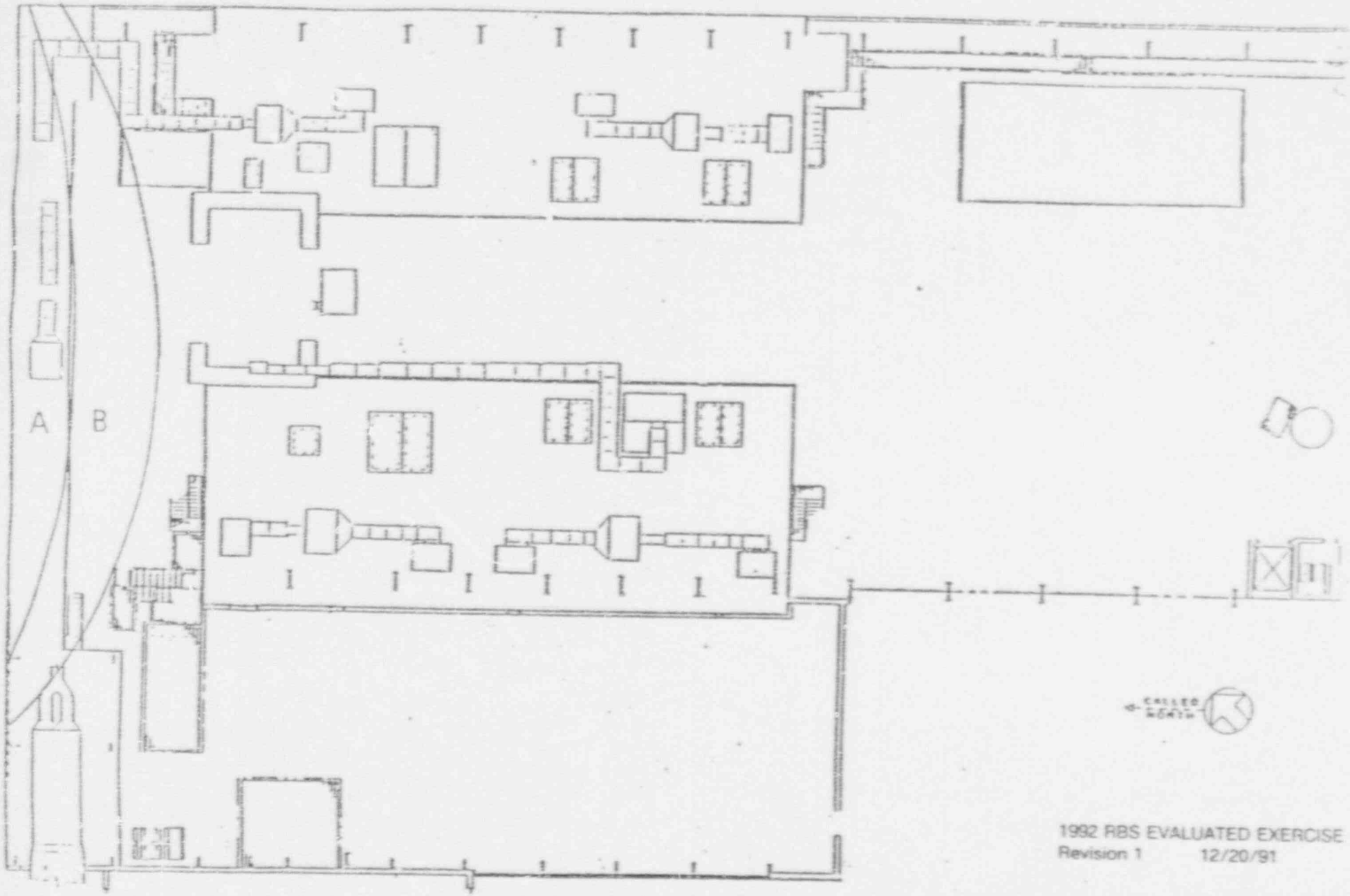

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Table 9.2.13
Turbine Building Elevation Above 123'

		0800/0845	0845/0900	0900/1000	1000/1030	1030/1100	1100/1115	1115/1130	1130/1145	1145/1200	1200/1215	1215/1239
Ambient Radiation Level (mr/hr)												
Cont.w/A6 Wall	As Found	---	---	---	---	---	---	80	250	250	250	250
ZONE A	As Found	---	---	---	---	---	---	30	50	50	50	50
ZONE B	As Found	---	---	---	---	---	---	20	20	20	20	20
GENERAL AREAS	As Found	---	---	---	---	---	---	20	20	20	20	20
Contamination Levels (dpm/100cm2)												
	As Found	---	---	---	---	---	---	100K	100K	100K	100K	100K
Airborne Levels (cpm)												
	As Found	---	---	---	---	---	---	1000	4mr	4mr	4mr	4mr

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Table 9.2.13(Continued)
Turbine Building Elevation Above 123'

	1230 1245	1245 1300	1300 1315	1315 1330	1330 1345	1345 1400	1400 1415	1415 1430	1430 1445	1445 1500	1500 END
Ambient Radiation Level (mr/hr)											
Cont.w/PB Wall	250	250	250	250	250	250	100	100	100	100	100
ZONE A	100	100	100	100	100	100	50	50	50	50	50
ZONE B	20	20	20	20	20	20	5	5	5	5	5
GENERAL AREAS	20	20	20	20	20	20	5	5	5	5	5
Contamination Levels (dpm/100cm2)											
	100K	100K	100K	100K	100K	100K	100K	100K	100K	100K	100K
Airborne Levels (cpm)											
	4mr	4mr	4mr	4mr	4mr	4mr	1000	As Found	---	---	---

Figure 9.2.14

Turb. Bldg. El. 123'

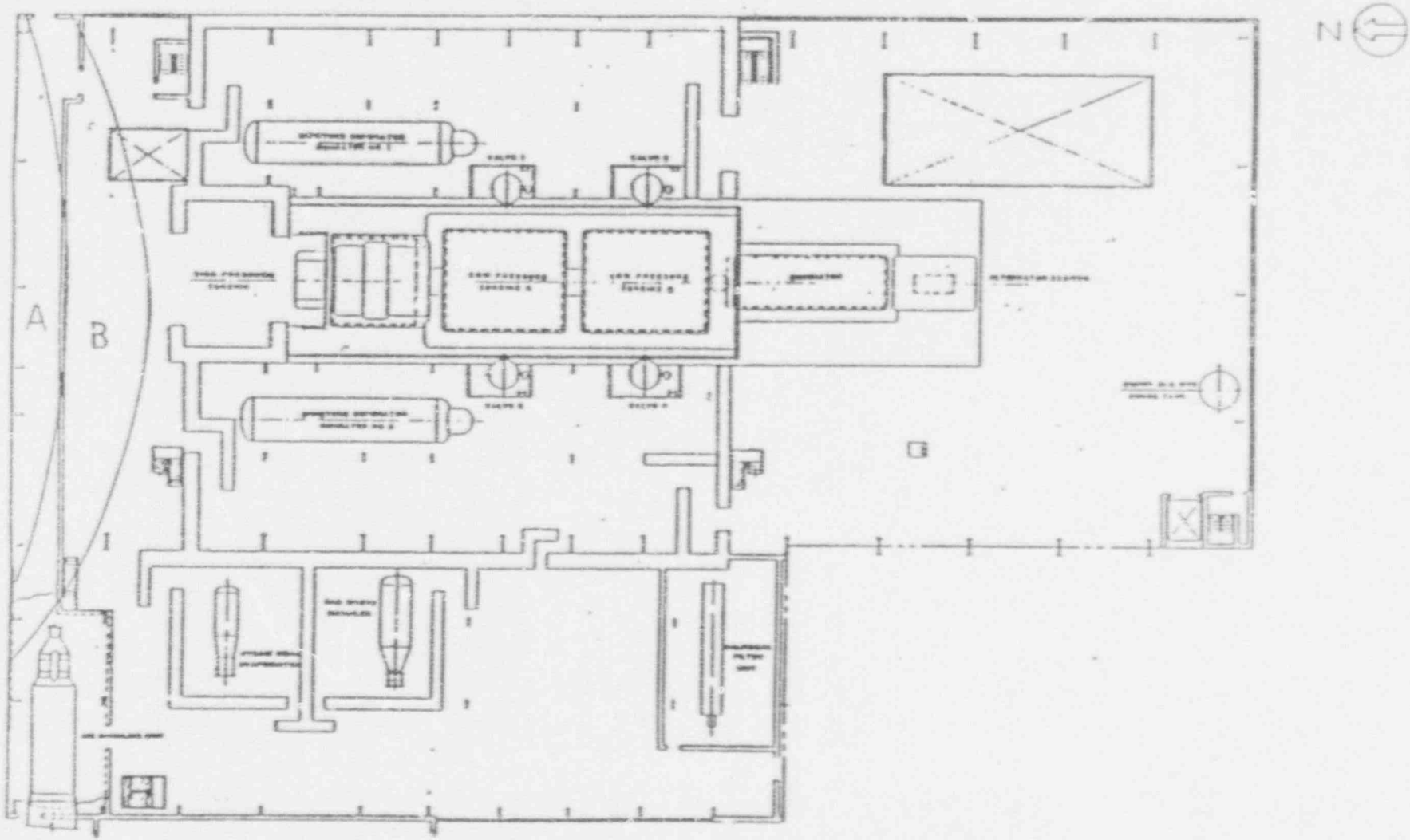


Table 9.2.14
Turbine Building Elevation 123'

		0800 0845	0845 0900	0900 1000	1000 1030	1030 1100	1100 1115	1115 1130	1130 1145	1145 1200	1200 1215	1215 1230
Ambient Radiation Level (mr/hr)												
Cont.W/AB Wall	As Found	---	---	---	---	---	---	80	250	250	250	250
ZONE A	As Found	---	---	---	---	---	---	30	50	50	50	50
ZONE B	As Found	---	---	---	---	---	---	20	20	20	20	20
GENERAL AREAS	As Found	---	---	---	---	---	---	20	20	20	20	20
ARM RE-200	0.4	0.4	0.4	0.4	0.4	0.4	0.4	20	20	20	20	20
Contamination Levels (dpm/100cm2)												
	As Found	---	---	---	---	---	---	100K	100K	100K	100K	100K
Airborne Levels (cpm)												
	As Found	---	---	---	---	---	---	1000	4mr	4mr	4mr	4mr

Table 9.2.14(Continued)
Turbine Building Elevation 123'

	1230 1245	1245 1300	1300 1315	1315 1330	1330 1345	1345 1400	1400 1415	1415 1430	1430 1445	1445 1500	1500 END
Ambient Radiation Level (mr/hr)											
Cont.w/AB Wall	250	250	250	250	250	250	100	100	100	100	100
ZONE A	100	100	100	100	100	100	50	50	50	50	50
ZONE B	20	20	20	20	20	20	5	5	5	5	5
GENERAL AREAS	20	20	20	20	20	20	5	5	5	5	5
ARM RE-200	20	20	20	20	20	20	5	5	5	5	5
Contamination Levels (dpm/100cm2)											
	100K	100K	100K	100K	100K	100K	100K	100K	100K	100K	100K
Airborne Levels (cpm)											
	4mr	4mr	4mr	4mr	4mr	4mr	1000	As Found	---	---	---

Figure 3.2.15

Turb. Bldg. El. 95'

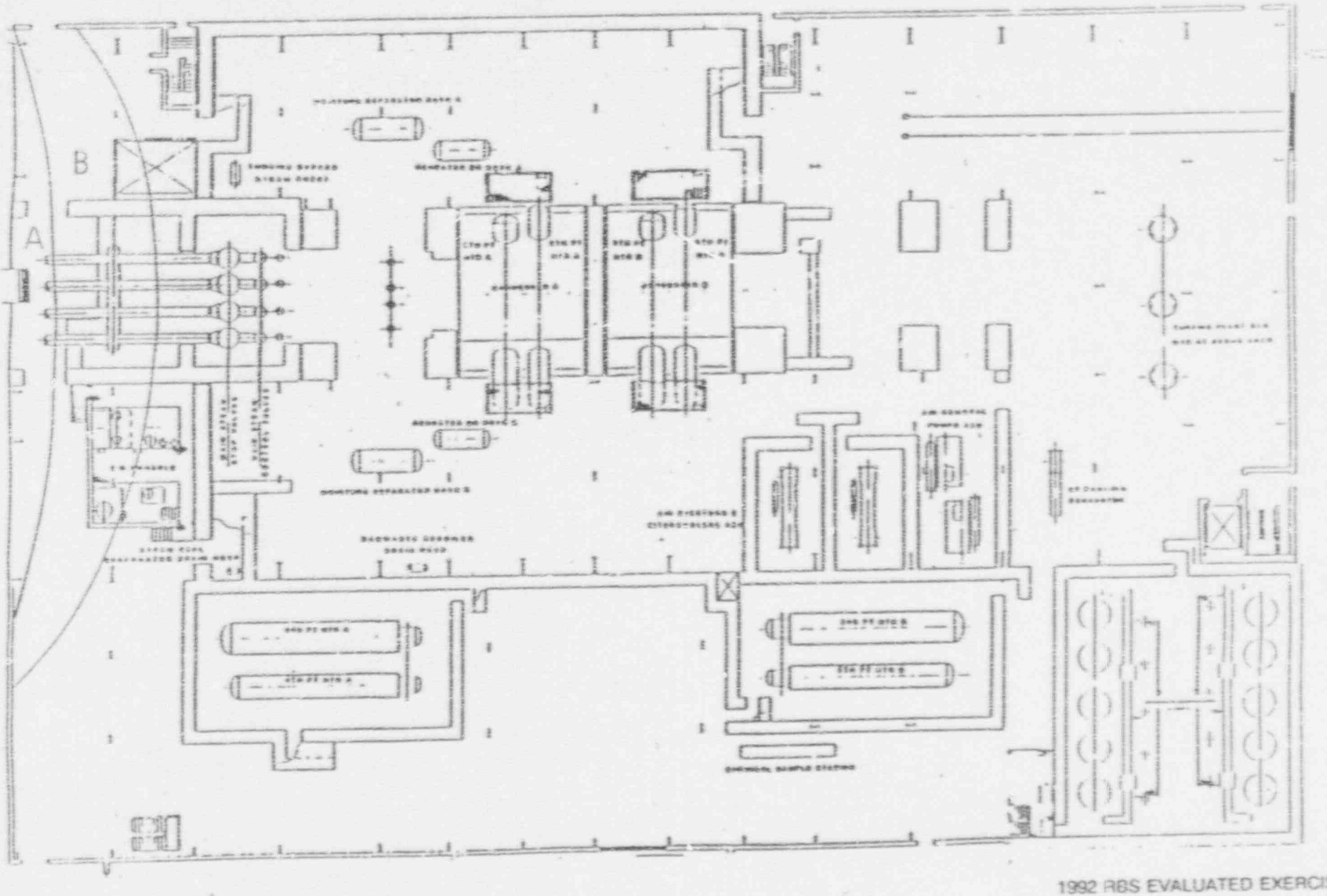


Table 9.2.15
Turbine Building Elevation 95'

		0800 0845	0845 0900	0900 1000	1000 1030	1030 1100	1100 1115	1115 1130	1130 1145	1145 1200	1200 1215	1215 1230
Ambient Radiation Level (mr/hr)												
Cont.w/AB Wall	As Found	---	---	---	---	---	---	80	250	250	250	250
ZONE A	As Found	---	---	---	---	---	---	30	50	50	50	50
ZONE B	As Found	---	---	---	---	---	---	20	20	20	20	20
GENERAL AREAS	As Found	---	---	---	---	---	---	20	20	20	20	20
ARM RE-201	0.2	0.2	0.2	0.2	0.2	0.2	0.2	20	20	20	20	20
RE-204	0.1	0.1	0.1	0.1	0.1	0.1	20	20	20	20	20	20
Contamination Levels (dpm/100cm²)												
	As Found	---	---	---	---	---	---	100K	100K	100K	100K	100K
Airborne Levels (cpm)												
	As Found	---	---	---	---	---	---	1000	4mr	4mr	4mr	4mr

Table 9.2.15(Continued)
Turbine Building Elevation 95'

	1230 1245	1245 1300	1300 1315	1315 1330	1330 1345	1345 1400	1400 1415	1415 1430	1430 1445	1445 1500	1500 END
Ambient Radiation Level (mr/hr)											
Cont.w/AB Wall	250	250	250	250	250	250	100	100	100	100	100
ZONE A	100	100	100	100	100	100	50	50	50	50	50
ZONE B	20	20	20	20	20	20	5	5	5	5	5
GENERAL AREAS	20	20	20	20	20	20	5	5	5	5	5
ARM RE-201	20	20	20	20	20	20	5	5	5	5	5
RE-204	20	20	20	20	20	20	5	5	5	5	5
Contamination Levels (dpm/100cm2)											
	100K	100K	100K	100K	100K	100K	100K	100K	100K	100K	100K
Airborne Levels (cpm)											
	4mr	4mr	4mr	4mr	4mr	4mr	1000	As Found	---	---	---

Figure 9.2.16

Turb. Bldg. El. 65'

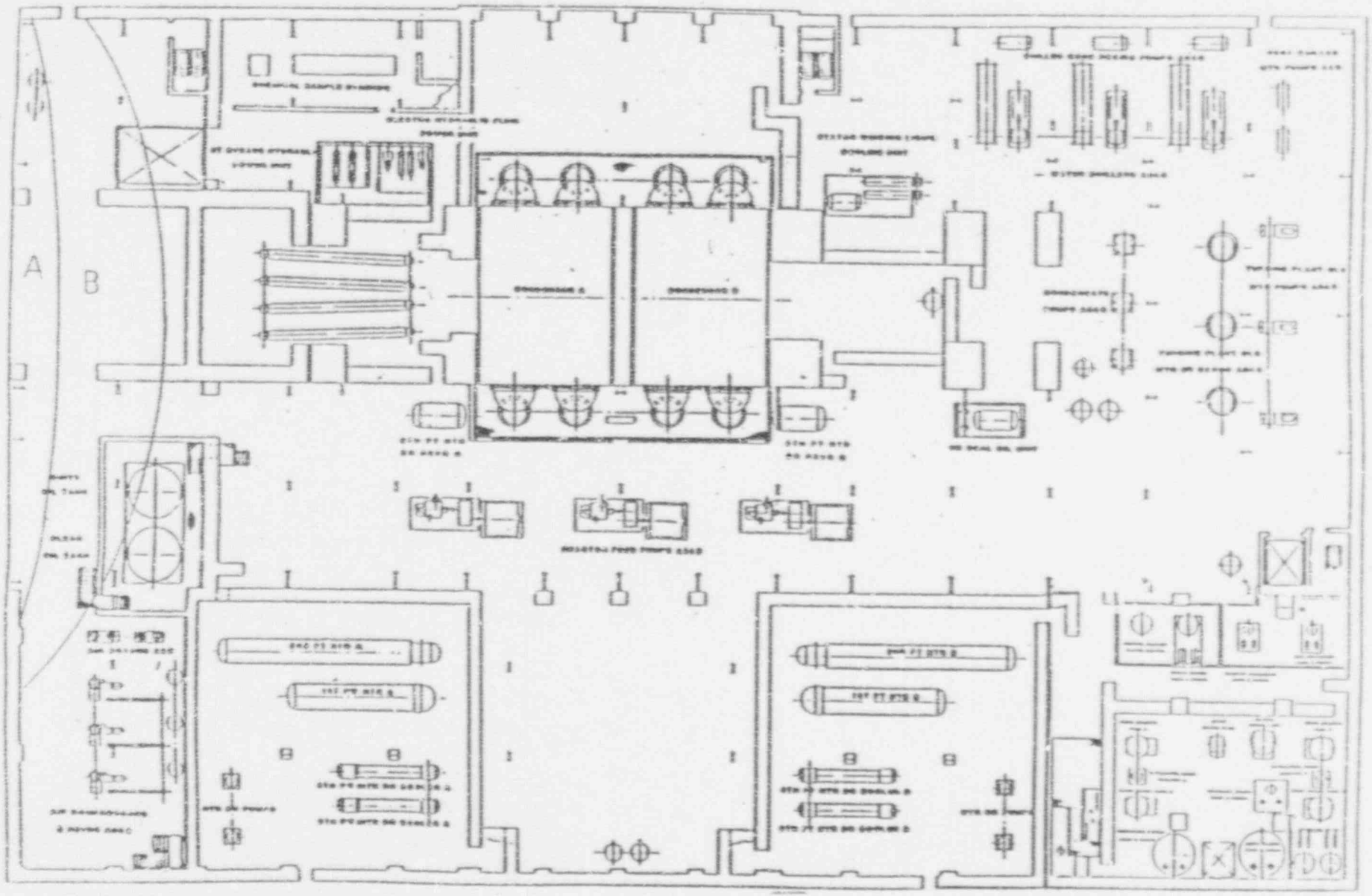


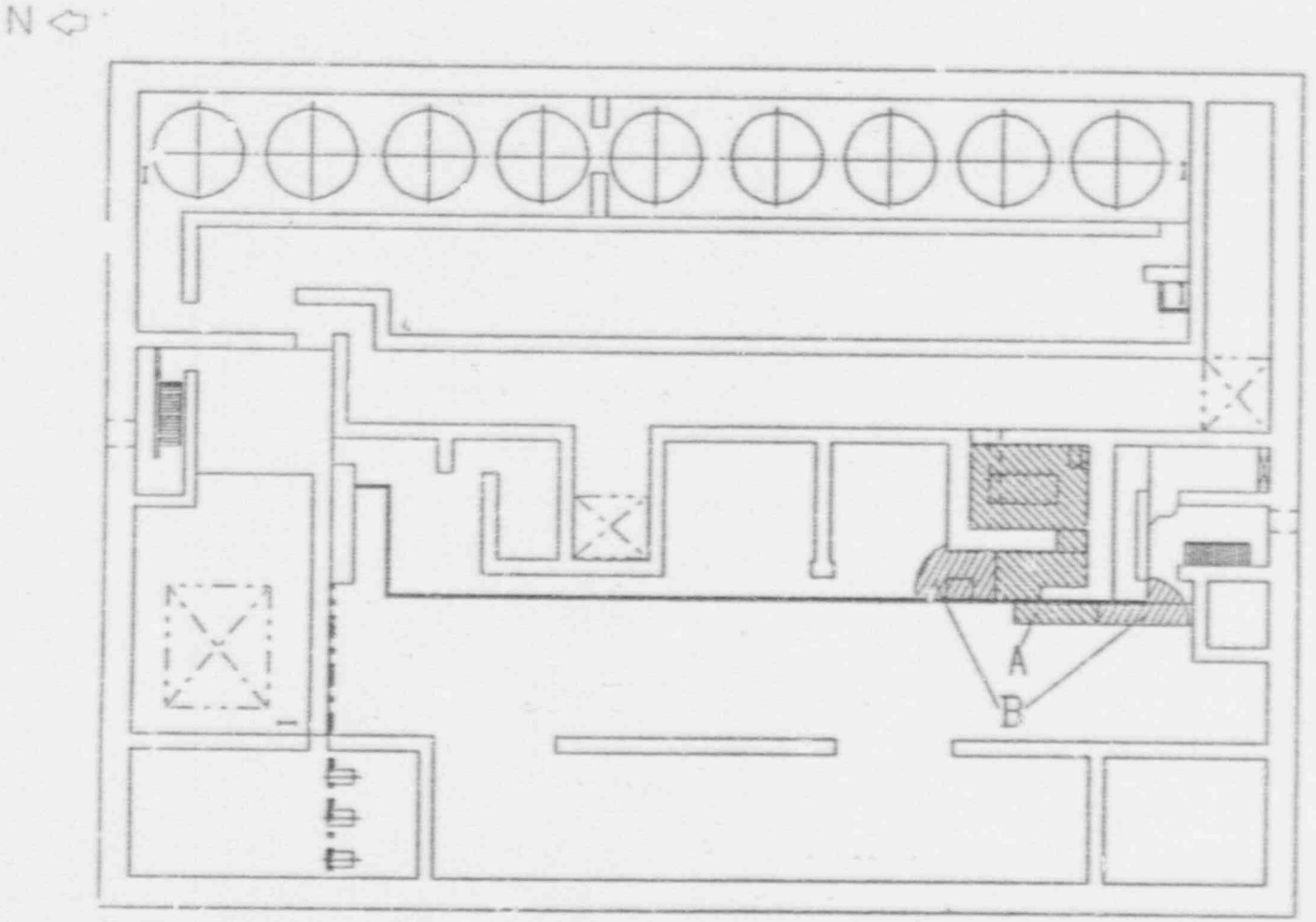
Table 9.2.16
Turbine Building Elevation 65'

	0800 0845	0845 0900	0900 1000	1000 1030	1030 1100	1100 1115	1115 1130	1130 1145	1145 1200	1200 1215	1215 1230
Ambient Radiation Level (mr/hr)											
Cont.w/AB Wall	As Found	---	---	---	---	---	80	250	250	250	250
ZONE A	As Found	---	---	---	---	---	3k	50	50	50	50
ZONE B	As Found	---	---	---	---	---	20	20	20	20	20
GENERAL AREAS	As Found	---	---	---	---	---	20	20	20	20	20
ARM RE-202	1.5	1.5	1.5	1.5	1.5	1.5	20	20	20	20	20
RE-203	0.1	0.1	0.1	0.1	0.1	0.1	20	20	20	20	20
Contamination Levels (dpm/100cm2)											
	As Found	---	---	---	---	---	100K	100K	100K	100K	100K
Airborne Levels (cpm)											
	As Found	---	---	---	---	---	1000	4mr	4mr	4mr	4mr

Table 9.2.16(Continued)
Turbine Building Elevation 65'

	1230 1245	1245 1300	1300 1315	1315 1330	1330 1345	1345 1400	1400 1415	1415 1430	1430 1445	1445 1500	1500 END
Ambient Radiation Level (mr/hr)											
Cont.w/AB Wall	250	250	250	250	250	250	100	100	100	100	100
ZONE A	100	100	100	100	100	100	50	50	50	50	50
ZONE B	20	20	20	20	20	20	5	5	5	5	5
GENERAL AREAS	20	20	20	20	20	20	5	5	5	5	5
ARM RE-202	20	20	20	20	20	20	5	5	5	5	5
RE-203	20	20	20	20	20	20	5	5	5	5	5
Contamination Levels (dpm/100cm2)											
	100K	100K	100K	100K	100K	100K	100K	100K	100K	100K	100K
Airborne Levels (cpm)											
	4mr	4mr	4mr	4mr	4mr	4mr	1000	As Found	---	---	---

Figure 9.2.17



RADWASTE BLDG.
EL. 95'

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Table 9.2.17
Radwaste Building Elevation 95'

	0800 0845	0845 0900	0900 1000	1000 1030	1030 1100	1100 1115	1115 1130	1130 1145	1145 1200	1200 1215	1215 1230
Ambient Radiation Level (mr/hr)											
ZONE A	2000	2000	2000	As Found*	---	---	---	---	---	---	---
ZONE B	200	200	200	As Found*	---	---	---	---	---	---	---
GENERAL AREAS	20	20	20	As Found*	---	---	---	---	---	---	---
ARM RE-185	10	10	10	0.2*	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Contamination Levels (dpm/100cm2)	100K	100K	100K	As Found*	---	---	---	---	---	---	---
Airborne Levels (cpm)	200	200	200	As Found*	---	---	---	---	---	---	---

Note: * - Levels drop based on sump being pumped and contamination on floor being washed down drain.

Table 9.2.17(Continued)
Radwaste Building Elevation 95'

	1230 1245	1245 1300	1300 1315	1315 1330	1330 1345	1345 1400	1400 1415	1415 1430	1430 1445	1445 1500	1500 END
Ambient Radiation Level (mr/hr)											
ZONE A	As Found*	---	---	---	---	---	---	---	---	---	---
ZONE B	As Found*	---	---	---	---	---	---	---	---	---	---
GENERAL AREAS	As Found*	---	---	---	---	---	---	---	---	---	---
ARM RE-185	0.2*	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Contamination Levels (dpm/100cm2)

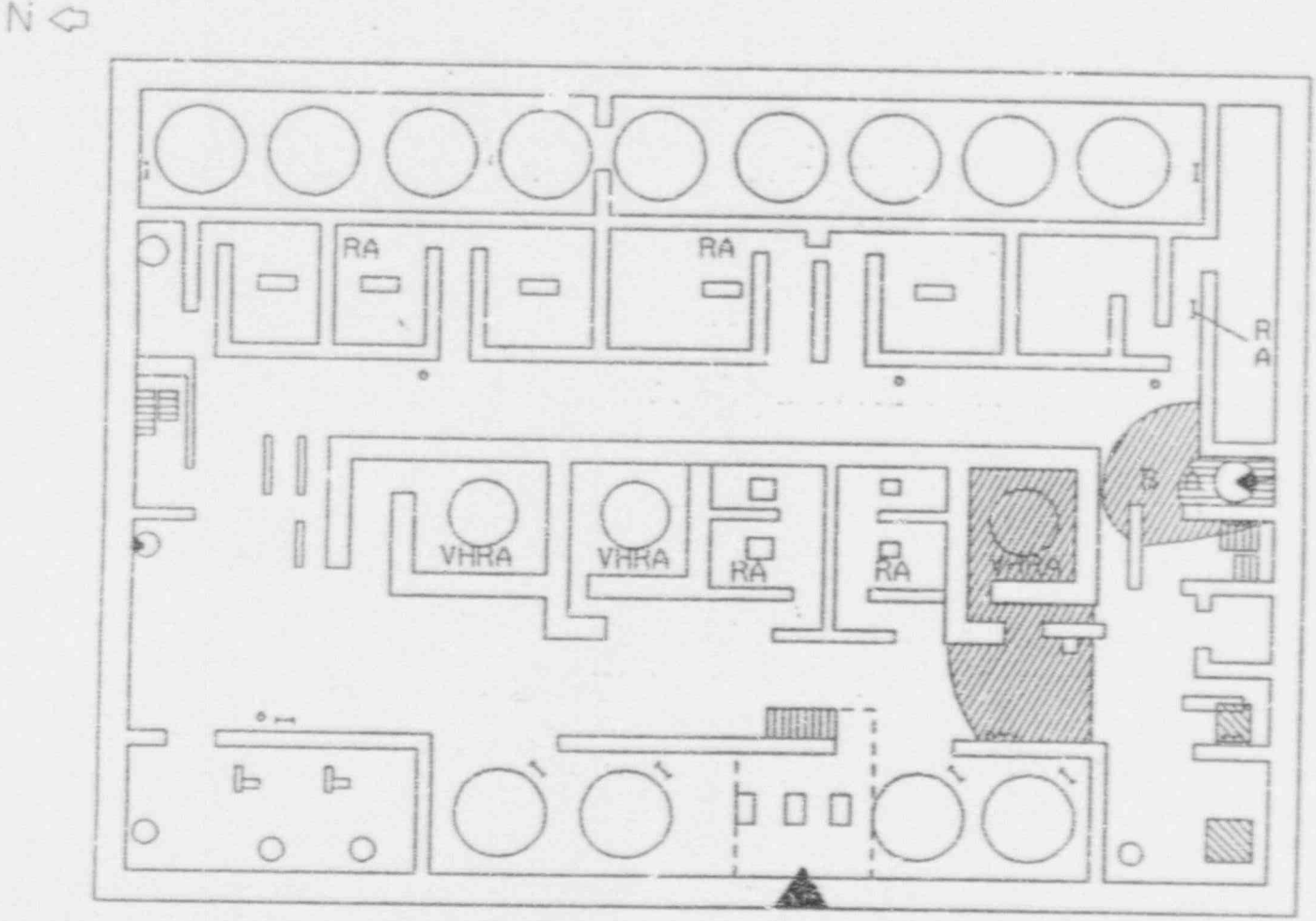
General Areas "AS READ" for the duration of the exercise.*

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise.*

Note: * - Levels drop based on sump being pumped and contamination on floor being washed down drain.

Figure 9.2.18



RADWASTE BLDG.
EL. 65'

RIVERBEND STATION
1992 EVALUATED EXERCISE

Table 9.2.18
Radwaste Building Elevation 65'

	0800 0845	0845 0900	0900 1000	1000 1030	1030 1100	1100 1115	1115 1130	1130 1145	1145 1200	1200 1215	1215 1230
Ambient Radiation Level (mr/hr)											
Cont.w/floor at floor drain sump	12K	12K	12K	As Found*	---	---	---	---	---	---	---
ZONE A	10K	10K	10K	As Found*	---	---	---	---	---	---	---
ZONE B	1000	1000	1000	As Found*	---	---	---	---	---	---	---
GENERAL AREAS	100	100	100	As Found*	---	---	---	---	---	---	---
ARM RE-182	100	100	100	0.4*	0.4	0.4	0.4	0.4	0.4	0.4	0.4
RE-186	OSH	OSH	OSH	0.5*	0.5	0.5	0.5	0.5	0.5	0.5	0.5
RE-187	5.0	5.0	5.0	0.3*	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Contamination Levels (dpm/100cm2)											
	100K	100K	100K	As Found*	---	---	---	---	---	---	---
Airborne Levels (cpm)											
	200	200	200	As Found*	---	---	---	---	---	---	---

Note: * - Levels drop based on sump being pumped and contamination on floor being washed down drain.

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Table 9.2.18(Continued)
Radwaste Building Elevation 65'

	1230 1245	1245 1300	1300 1315	1315 1330	1330 1345	1345 1400	1400 1415	1415 1430	1430 1445	1445 1500	1500 END
Ambient Radiation Level (mr/hr)											
Cont. w/floor at floor drain sump	As Found*	---	---	---	---	---	---	---	---	---	---
ZONE A	As Found*	---	---	---	---	---	---	---	---	---	---
ZONE B	As Found*	---	---	---	---	---	---	---	---	---	---
GENERAL AREAS	As Found*	---	---	---	---	---	---	---	---	---	---
ARM RE-182	0.4*	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
RE-186	0.5*	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
RE-187	0.3*	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Contamination Levels (dpm/100cm2)

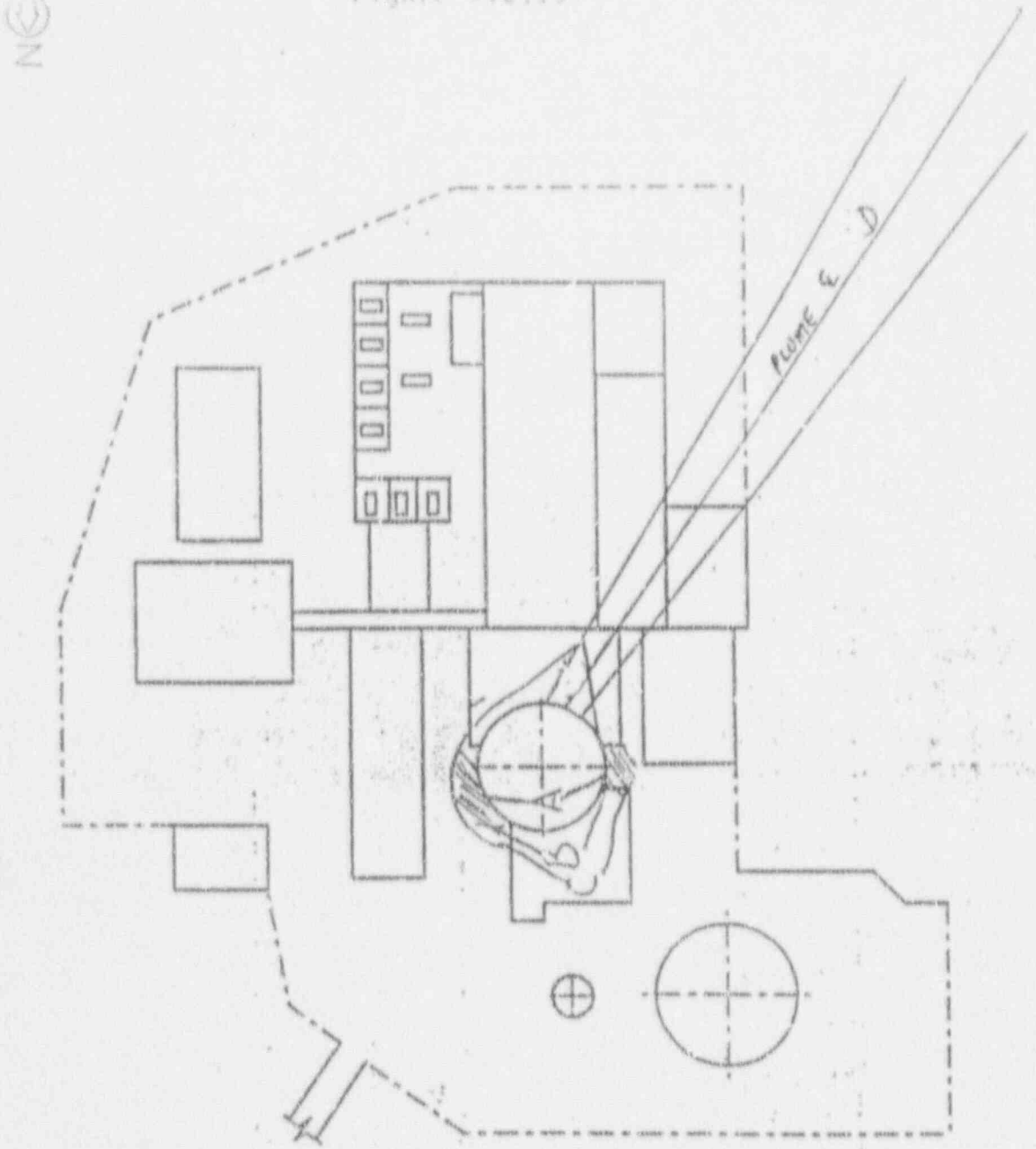
General Areas "AS READ" for the duration of the exercise.*

Airborne Levels (cpm)

General Areas "AS READ" for the duration of the exercise.*

Note: * - Levels drop based on sump being pumped and contamination on floor being washed down drain.

Figure 9.2.19



OUTSIDE AREAS

Table 9.2.19
Outside Areas

		0845 0900	0900 1000	1000 1030	1030 1100	1100 1115	1115 1130	1130 1145	1145 1200	1200 1215	1215 1230
Airborne Radiation Level (cpm)											
ZONE D	As Found	---	---	---	---	---	2800	3000	3000	3000	3000
ZONE C	As Found	---	---	---	---	---	400	600	600	600	600
ZONE B	As Found	---	---	---	---	---	20	30	30	30	30
GENERAL AREAS	As Found	---	---	---	---	---	1000	1500	1500	1500	1500

Contamination Levels (dpm/100cm2)

All areas are "As Found" for the duration of the exercise.

Airborne Levels (cpm)

Refer to tables in Section 3.3 for air sample data.

SECTION 9.3

PROCESS MONITOR TREND DATA

1992 RIVER BEND STATION EVALUATED EXERCISE
PROCESS MONITOR TREND DATA

Table 9.3.1.a

		Drill Time: - 00/30	00/15	00/30	00/45	01/00	01/15	01/30	01/45	02/00	02/15	02/30	02/45
		Clock Time: 0715	0800	0815	0830	0845	0900	0915	0930	0945	1000	1015	1030
ID Number	Location (Units)												
RE-5A,B	Fuel Bldg. Vent Exhaust (µCi/sec)	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00
RE-6A,B	Radwast Bldg. Vent Exh. (µCi/sec)	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01
1GE-125	Main Plant Exhaust Duct (µCi/cc)	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07	7.4E-07
2GE-125	Main Plant Exhaust Duct (µCi/cc)	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04
3GE-125	Main Plant Exhaust Duct (µCi/cc)	4.3E-02	4.3E-02	4.3E-02	4.3E-02	4.3E-02	4.3E-02	4.3E-02	4.3E-02	4.3E-02	4.3E-02	4.3E-02	4.3E-02
4GE-125	Main Plant Exhaust Duct (µCi/sec)	4.0E+01	4.0E+01	4.0E+01	4.0E+01	4.0E+01	4.0E+01	4.0E+01	4.0E+01	4.0E+01	4.0E+01	4.0E+01	4.0E+01
RE-110P	Aux. Bldg. Vent (µCi/cc)	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12
RE-110G	Aux. Bldg. Vent (µCi/cc)	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08
RE-118P	Turbin Bldg. Vent (µCi/cc)	3.0E-11	3.0E-11	3.0E-11	3.0E-11	3.0E-11	3.0E-11	3.0E-11	3.0E-11	3.0E-11	3.0E-11	3.0E-11	3.0E-11
RE-118G	Turbin Bldg. Vent (µCi/cc)	1.0E-10	1.0E-10	1.0E-10	1.0E-10	1.0E-10	1.0E-10	1.0E-10	1.0E-10	1.0E-10	1.0E-10	1.0E-10	1.0E-10
RE-124P	C.D./O.G. Bldg. Vent (µCi/cc)	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09
RE-124G	C.D./O.G. Bldg. Vent (µCi/cc)	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
RE-126P	Main Plant Exhaust Duct (µCi/cc)	6.4E-11	6.4E-11	6.4E-11	6.4E-11	5.6E-11	5.6E-11	5.6E-11	5.6E-11	5.6E-11	5.6E-11	5.6E-11	5.6E-11
RE-126G	Main Plant Exhaust Duct (µCi/cc)	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07	8.9E-07
RE-111P	Cont. Atmosphere (µCi/cc)	1.0E-06	1.0E-06	1.0E-06	1.0E-06	1.0E-06	9.8E-07	9.8E-07	9.8E-07	9.8E-07	9.1E-07	9.1E-07	9.1E-07
RE-111G	Cont. Atmosphere (µCi/cc)	5.0E-05	5.0E-05	5.0E-05	5.0E-05	5.0E-05	5.0E-05	5.0E-05	5.0E-05	5.0E-05	4.8E-05	4.8E-05	4.8E-05
RE-112P	D.W. Atmosphere (µCi/cc)	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.7E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.6E-07	6.7E-07	6.7E-07
RE-112G	D.W. Atmosphere (µCi/cc)	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.3E-05	3.2E-05	3.2E-05	3.2E-05
RE-103	SGTS Effluent (µCi/cc)	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06
RE-116	Cont. Purge (µCi/cc)	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06
RE-11A,B	Annulus Exhaust (µCi/cc)	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08
	Off Gas Pretreatment Monitor (mR/hr)	200	200	200	200	100	50	0	0	0	0	0	0
	Off Gas Postreatment Monitor (cpm)	80	80	80	80	15	0	0	0	0	0	0	0
	Main Steam Line Rad. Monitor A (mR/hr)	800	800	800	800	500	500	500	200	200	200	200	1000
	Main Steam Line Rad. Monitor B (mR/hr)	750	750	750	750	500	500	500	200	200	200	200	1000
	Main Steam Line Rad. Monitor C (mR/hr)	750	750	750	750	500	500	500	200	200	200	200	1000
	Main Steam Line Rad. Monitor D (mR/hr)	825	825	825	825	500	505	500	200	200	200	200	1000

1992 RIVER BEND STATION EVALUATED EXERCISE
PROCESS MONITOR TREND DATA

Table 9.3.1.b

	Drill Time:	03/00	03/15	03/30	03/45	04/00	04/15	04/30	04/45	05/00	05/15	05/30	05/45
	Clock Time:	1045	1100	1115	1130	1145	1200	1215	1230	1245	1300	1315	1330
ID Number	Location (Units)												
RE-5A,B	Fuel Bldg. Vent Exhaust (µCi/sec)	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+	1.3E+00	1.3E+00	1.3E+00	1.3E+00
RE-6A,B	Radwast Bldg. Vent Exh. (µCi/sec)	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01
1GE-12S	Main Plant Exhaust Duct (µCi/cc)	7.4E-07	7.4E-07	7.4E-07	1.1E-05	1.6E-04	OSH	OSH	OSH	8.9E-03	4.5E-03	1.8E-03	8.9E-04
2GE-12S	Main Plant Exhaust Duct (µCi/cc)	1.2E-04	1.2E-04	1.2E-04	1.1E-05	1.6E-04	OSH	OSH	OSH	8.9E-03	4.5E-03	1.8E-03	8.9E-04
3GE-12S	Main Plant Exhaust Duct (µCi/cc)	4.3E-02	4.3E-02	4.3E-02	1.1E-05	1.6E-04	2.9E-02	2.2E-02	1.7E-02	8.9E-03	4.5E-03	1.8E-03	8.9E-04
4GE-12S	Main Plant Exhaust Duct (µCi/sec)	4.0E+01	4.0E+01	4.0E+01	5.0E+02	7.0E+03	1.3E+06	1.0E+06	7.5E+05	4.0E+05	2.0E+05	8.0E+04	4.0E+04
RE-110P	Aux. Bldg. Vent (µCi/cc)	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12
RE-110G	Aux. Bldg. Vent (µCi/cc)	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08
RE-118P	Turbin Bldg. Vent (µCi/cc)	3.0E-11	3.0E-11	3.0E-11	7.6E-05	1.0E-03	2.0E-01	1.4E-01	1.0E-01	6.0E-02	3.0E-02	1.0E-02	6.0E-03
RE-118G	Turbin Bldg. Vent (µCi/cc)	1.0E-10	1.0E-10	1.0E-10	2.2E-05	3.0E-04	6.0E-02	4.4E-02	3.4E-02	1.8E-02	9.0E-03	3.6E-03	1.8E-03
RE-124P	C.D./D.G. Bldg. Vent (µCi/cc)	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09
RE-124G	C.D./D.G. Bldg. Vent (µCi/cc)	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
RE-126P	Main Plant Exhaust Duct (µCi/cc)	5.6E-11	5.6E-11	5.6E-11	3.8E-05	5.1E-06	9.6E-02	7.4E-02	5.6E-02	2.9E-02	1.5E-02	5.6E-03	2.9E-03
RE-126G	Main Plant Exhaust Duct (µCi/cc)	7.4E-07	7.4E-07	7.4E-07	1.1E-05	1.6E-04	2.9E-02	2.2E-02	1.7E-02	8.9E-03	4.5E-03	1.8E-03	8.9E-04
RE-111P	Cont. Atmosphere (µCi/cc)	9.1E-07	8.7E-07	8.5E-07	8.5E-07	8.3E-07	8.3E-07	8.2E-07	8.1E-07	8.0E-07	7.9E-07	7.9E-07	7.8E-07
RE-111G	Cont. Atmosphere (µCi/cc)	4.8E-05	4.7E-05	4.6E-05	4.6E-05	4.6E-05	4.6E-05	4.5E-05	4.5E-05	4.4E-05	4.4E-05	4.4E-05	4.3E-05
RE-112P	D.W. Atmosphere (µCi/cc)	6.1E-07	5.8E-07	5.7E-07	5.7E-07	5.6E-07	5.5E-07	5.3E-07	5.5E-07	5.4E-07	5.4E-07	5.3E-07	5.2E-07
RE-112G	D.W. Atmosphere (µCi/cc)	3.2E-05	3.1E-05	3.1E-05	3.0E-05	3.0E-05	3.0E-05	3.0E-05	3.0E-05	3.0E-05	2.9E-05	2.9E-05	2.9E-05
RE-103	SGTS Effluent (µCi/cc)	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06
RE-116	Cont. Purge (µCi/cc)	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06
RE-11A,B	Annulus Exhaust (µCi/cc)	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08
	Off Gas Pretreatment Monitor (mR/hr)	0	0	0	0	0	0	0	0	0	0	0	0
	Off Gas Postreatment Monitor (cpm)	0	0	0	0	0	0	0	0	0	0	0	0
	Main Steam Line Rad. Monitor A (mR/hr)	1000	1000	3000	8000	8000	8000	8000	8000	8000	8000	8000	8000
	Main Steam Line Rad. Monitor B (mR/hr)	1000	1000	3000	8000	8000	8000	8000	8000	8000	8000	8000	8000
	Main Steam Line Rad. Monitor C (mR/hr)	1000	1000	3000	8000	8000	8000	8000	8000	8000	8000	8000	8000
	Main Steam Line Rad. Monitor D (mR/hr)	1000	1000	3000	8000	8000	8000	8000	8000	8000	8000	8000	8000

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Table 9.3.1.c

1992 RIVER BEND STATION EVALUATED EXERCISE
PROCESS MONITOR TREND DATA

	Drill Time:	06/00	06/15	06/30	06/45	07/00	07/15
	Clock Time:	1345	1400	1415	1430	1445	1500
ID Number	Location (Units)						
RE-5A,B	Fuel Bldg. Vent Exhaust (µCi/sec)	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00	1.3E+00
RE-6A,B	Radwast Bldg. Vent Exh. (µCi/sec)	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01	5.7E-01
1GE-125	Main Plant Exhaust Duct (µCi/cc)	6.7E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
2GE-125	Main Plant Exhaust Duct (µCi/cc)	6.7E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
3GE-125	Main Plant Exhaust Duct (µCi/cc)	6.7E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
4GE-125	Main Plant Exhaust Duct (µCi/sec)	3.0E+02	5.0E+01	5.0E+01	5.0E+01	5.0E+01	5.0E+01
RE-110P	Aux. Bldg. Vent (µCi/cc)	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12	2.0E-12
RE-110G	Aux. Bldg. Vent (µCi/cc)	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08	3.0E-08
RE-118P	Turbin Bldg. Vent (µCi/cc)	8.4E-05	8.0E-06	8.0E-06	8.0E-06	8.0E-06	8.0E-06
RE-118G	Turbin Bldg. Vent (µCi/cc)	1.4E-05	4.4E-06	4.4E-06	4.4E-06	4.4E-06	4.4E-06
RE-124P	C.D./O.G. Bldg. Vent (µCi/cc)	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09	2.0E-09
RE-124G	C.D./O.G. Bldg. Vent (µCi/cc)	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
RE-126P	Main Plant Exhaust Duct (µCi/cc)	4.4E-05	3.8E-06	3.8E-06	3.8E-06	3.8E-06	3.8E-06
RE-126G	Main Plant Exhaust Duct (µCi/cc)	6.7E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06	1.1E-06
RE-111P	Cont. Atmosphere (µCi/cc)	7.7E-07	7.6E-07	7.6E-07	7.5E-07	7.5E-07	7.3E-07
RE-111G	Cont. Atmosphere (µCi/cc)	4.3E-05	4.2E-05	4.2E-05	4.2E-05	4.2E-05	4.1E-05
RE-112P	D.W. Atmosphere (µCi/cc)	5.2E-07	5.1E-07	5.1E-07	5.0E-07	5.0E-07	4.9E-07
RE-112G	D.W. Atmosphere (µCi/cc)	2.9E-05	2.9E-05	2.9E-05	2.8E-05	2.8E-05	2.8E-05
RE-103	SGTS Effluent (µCi/cc)	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06	2.0E-06
RE-116	Cont. Purge (µCi/cc)	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06	3.0E-06
RE-11A,B	Annulus Exhaust (µCi/cc)	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08	2.5E-08
	Off Gas Pretreatment Monitor (mR/hr)	0	0	0	0	0	0
	Off Gas Postreatment Monitor (cpm)	0	0	0	0	0	0
	Main Steam Line Rad. Monitor A (mR/hr)	8000	1000	1000	1000	1000	1000
	Main Steam Line Rad. Monitor B (mR/hr)	8000	1000	1000	1000	1000	1000
	Main Steam Line Rad. Monitor C (mR/hr)	8000	1000	1000	1000	1000	1000
	Main Steam Line Rad. Monitor D (mR/hr)	8000	1000	1000	1000	1000	1000

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SECTION 10

METEOROLOGICAL AND RADIOACTIVE RELEASE DATA

SECTION 10: Meteorological and Radioactive Release Data

SECTION 10.0

INTRODUCTION

10.0 INTRODUCTION

This section provides the information necessary for participants to evaluate the magnitude of the radioactive release and to respond appropriately.

The hypothesized release from the feedwater leak into the steam tunnel through turbine building ventilation to the main plant vent. This release does not pass through Standby Gas Treatment thus, the iodine levels released are not reduced by a factor of 100.

SECTION 10.1

RADIOACTIVE RELEASE RATE AND RELEASE PATH DATA

1992 RBS EVALUATED EXERCISE
Noble Gas Release Rate (uCi/sec)

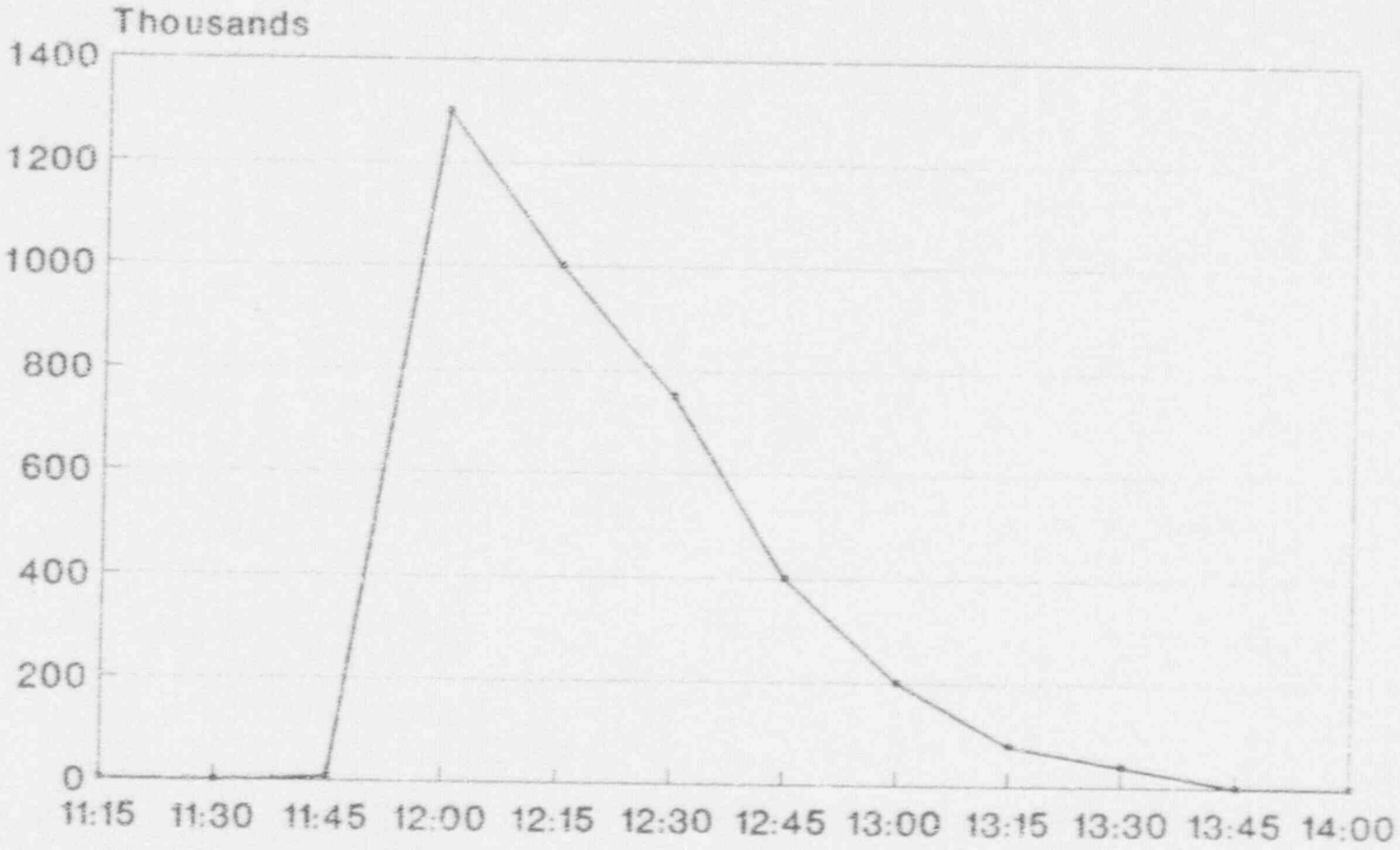


Figure 10.1.1.a Revision 1 12/20/91

1992 RBS EVALUATED EXERCISE
Iodine Release Rate (uCi/sec)

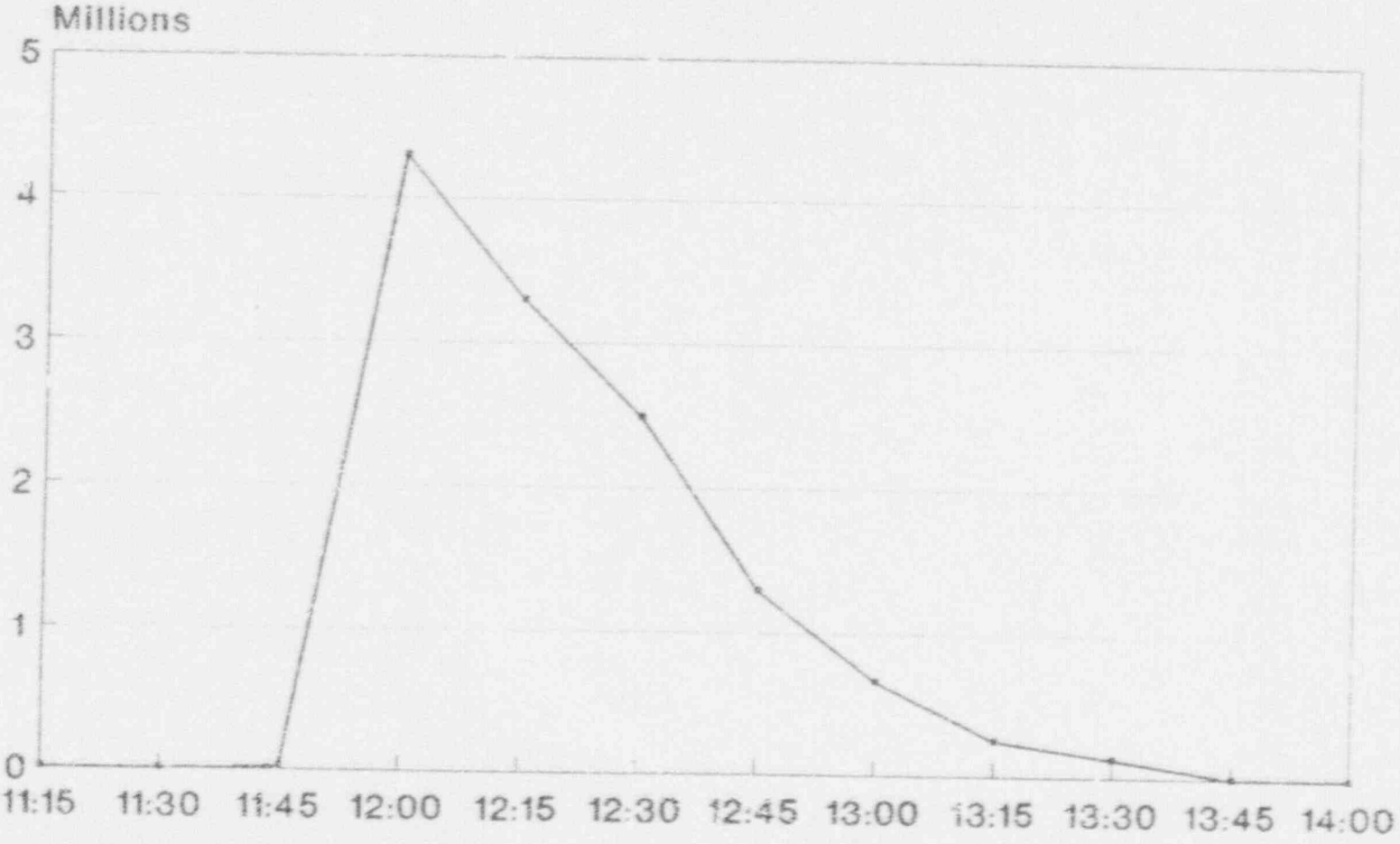


Figure 10.1.1.b Revision 1 12/20/91

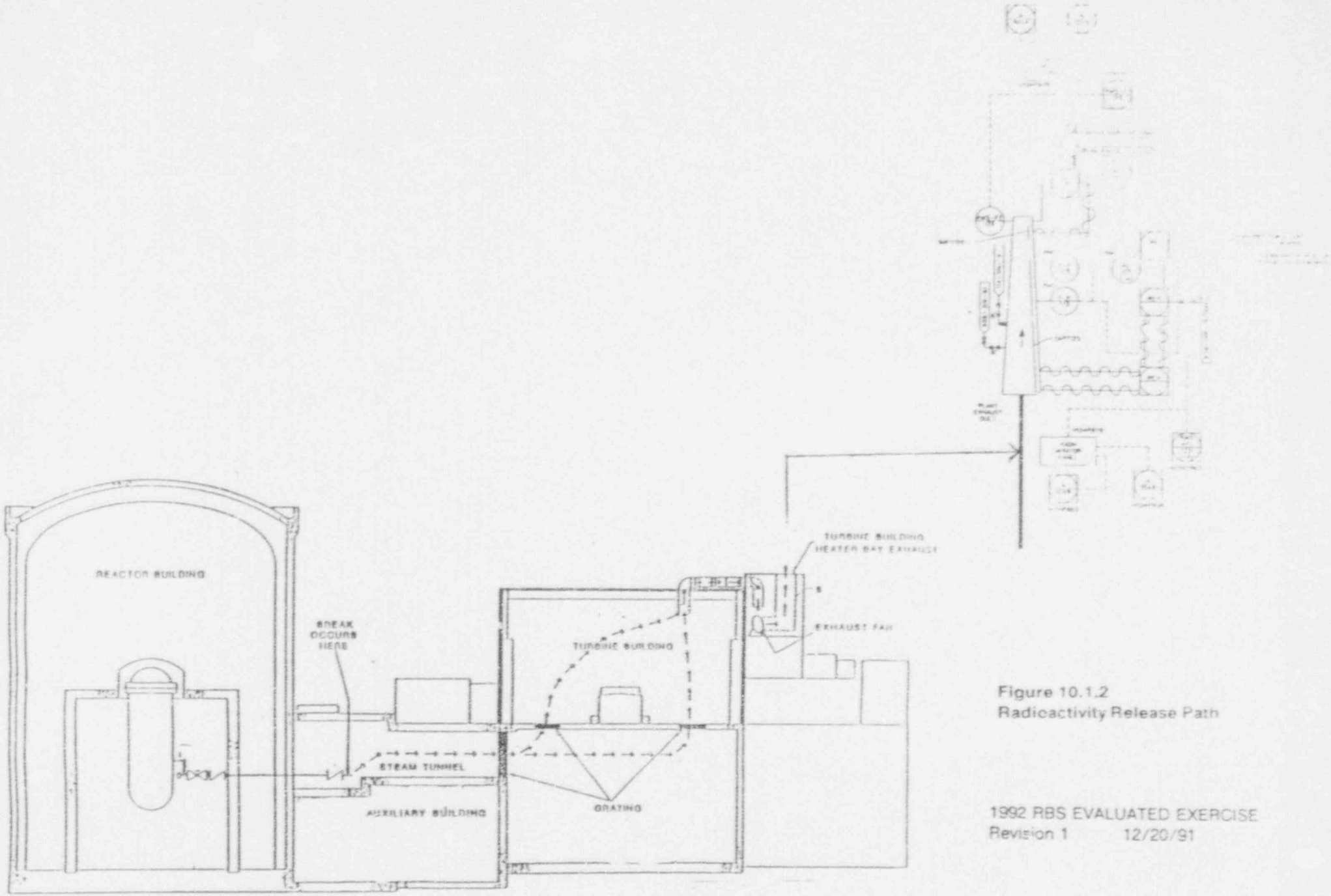


Figure 10.1.2
Radioactivity Release Path

SECTION 10.2

METEOROLOGICAL DATA

Table 10.2.1

METEOROLOGICAL INFORMATION

PRIMARY DATA, 10 METER SENSORS

TIME	SPEED (MPH)	DIRECTION (DEGREES FROM)	DELTA-T (DEGREES F)
0800	4.5	358	-0.70
0815	4.4	000	-0.75
0830	4.5	359	-0.85
0845	3.8	359	-0.85
0900	3.9	001	-0.80
0915	3.9	001	-0.85
0930	4.0	000	-0.75
0945	4.1	359	-0.70
1000	4.0	359	-0.60
1015	4.1	000	-0.55
1030	4.0	001	-0.00
1045	5.0	000	-0.50
1100	4.1	359	-0.55
1115	4.0	000	-0.55
1130	5.0	000	-0.50
1145	4.0	359	-0.45
1200	4.0	001	-0.50
1215	3.9	001	-0.45
1230	6.0	000	-0.50
1245	8.1	001	-0.50
1300	8.3	000	-0.40
1315	9.5	359	-0.40
1330	10.0	359	-0.35
1345	12.5	000	-0.35
1400	12.5	000	-0.35
1415	11.5	000	-0.35
1430	11.0	358	-0.35
1445	12.1	359	-0.35
1500	10.1	359	-0.35

TABLE 10.2.2

METEOROLOGICAL FORECAST

Morning:	Expect partly cloudy skies this morning with light winds out of the north. Mild temperatures in the middle to upper 30's with winds 1 to 5 mph.
Afternoon:	Clear and cool with temperatures in the mid 40's. Clouds developing later with winds increasing 5-15 mph from the north. An increased chance of precipitation of 30% towards evening.
Evening:	Becoming cloudy this evening, with winds increasing as a storm front enters the area from the north. Winds of 10 to 20 mph are expected with gusts of up to 35 mph. Mild temperatures will persist with a 75% chance of rain as the storm front passes through the area.

SECTION 10.3

FIELD DATA FOR INSIDE THE SITE BOUNDARY

TABLE 10.3.1
CLOSED WINDOW WHOLE BODY DOSE RATES (mR/hr)

	DOWNWIND DISTANCE (METERS)					
TIME	100	200	400	600	800	1000
1130	1.3	*	*	*	*	*
1145	1.4	1.3	*	*	*	*
1200	1.4	1.3	1.2	*	*	*
1215	1.3	1.2	1.1	1.0	0.9	0.8
1230	0.7	0.7	0.7	0.6	0.6	0.6
1245	0.4	0.4	0.4	0.4	0.3	0.3
1300	0.1	0.1	0.1	0.1	0.1	0.1
1315	0.1	0.1	0.1	0.1	0.1	0.1
1330	*	*	*	*	*	*
1345	*	*	*	*	*	*

- All values are calculated at plume centerline.
- For measurements taken off-centerline, interpolate between the centerline and the edge of the plume, assume value at plume edge equals 10% of centerline.
- Background levels (less than .02 mR/hr) are indicated by an asterisk (*).

TABLE 10.3.2
OPEN WINDOW WHOLE BODY DOSE RATES (mR/hr)

DOWNWIND DISTANCE (METERS)

TIME	100	200	400	600	800	1000
1130	3.3	*	*	*	*	*
1145	3.5	3.3	*	*	*	*
1200	3.5	3.3	3.7	*	*	*
1215	3.3	3.7	2.8	2.5	2.3	1.9
1230	1.8	1.8	1.8	1.5	1.5	1.5
1245	1.0	1.0	1.0	1.0	0.7	0.7
1300	0.3	0.3	0.3	0.3	0.3	0.3
1315	0.1	0.1	0.1	0.1	0.1	0.1
1330	*	*	*	*	*	*
1345	*	*	*	*	*	*

- All values are calculated at plume centerline.
- For measurements taken off-centerline, interpolate between the centerline and the edge of the plume, assume value at plume edge equals 10% of centerline.
- Background levels (less than .02 mR/hr) are indicated by an asterisk (*).

TABLE 10.3.3
CHILD THYROID DOSE RATES (mR/hr)

DOWNWIND DISTANCE (METERS)

TIME	100	200	400	600	800	1000
1130	1.0	*	*	*	*	*
1145	21	1.0	1.0	1.0	1.0	1.0
1200	21	20	19	18	17	16
1215	4700	4500	4300	4100	3900	3700
1230	3400	3300	3200	3100	3000	2900
1245	2100	2000	1900	1800	1700	1600
1300	710	690	670	650	630	610
1315	350	340	330	320	310	300
1330	120	110	110	110	110	110
1345	*	57	57	57	57	57

- All values are calculated at plume centerline.
- For measurements taken off-centerline, interpolate between the centerline and the edge of the plume, assume value at plume edge equals 10% of centerline.
- Background levels (less than .02 mR/hr) are indicated by an asterisk (*).

TABLE 10.3.4
IODINE CONCENTRATIONS (uCi/cc)

DOWNWIND DISTANCE (METERS)

TIME	100	200	400	600	800	1000
1130	5.4E-10	*	*	*	*	*
1145	8.7E-9	5.4E-10	5.4E-10	5.4E-10	5.4E-10	5.4E-10
1200	8.7E-9	8.6E-9	8.5E-9	8.4E-9	8.3E-9	8.2E-9
1215	2.9E-6	2.7E-9	2.5E-6	2.3E-6	2.1E-6	1.9E-6
1230	2.0E-6	1.9E-6	1.8E-6	1.7E-6	1.6E-6	1.5E-6
1245	9.4E-7	9.2E-7	9.0E-7	8.8E-7	8.6E-7	8.4E-7
1300	4.2E-7	4.0E-7	3.8E-7	3.6E-7	3.4E-7	3.2E-7
1315	2.1E-7	2.0E-7	1.9E-7	1.8E-7	1.7E-7	1.6E-7
1330	5.7E-8	5.7E-8	5.7E-8	5.7E-8	5.7E-8	5.7E-8
1345	*	3.0E-8	3.0E-8	3.0E-8	3.0E-8	3.0E-8

- All values are calculated at plume centerline.
- For measurements taken off-centerline, interpolate between the centerline and the edge of the plume, assume value at plume edge equals 10% of centerline.
- Background levels (less than .02 mR/hr) are indicated by an asterisk (*).

TABLE 10.3.5
Air Sample Data
E520/HP210READINGS (cpm)

DOWNWIND DISTANCE (METERS)

TIME	100	200	400	600	800	1000
1130	*	*	*	*	*	*
1145	*	*	*	*	*	*
1200	1.4E4	1.4E4	*	*	*	*
1215	1.4E4	1.4E4	1.3E4	1.3E4	1.2E4	1.2E4
1230	1.3E4	1.3E4	1.2E4	1.1E4	1.0E4	9600
1245	6300	6100	5900	5700	5500	5300
1300	2500	2400	2300	2200	2100	2000
1315	1200	1160	1120	1080	1040	1000
1330	460	440	420	400	380	360
1345	*	230	220	210	200	190

- All values are calculated at plume centerline.
- For measurements taken off-centerline, interpolate between the centerline and the edge of the plume, assume value at plume edge equals 10% of centerline.
- Background levels (less than 100 cpm) are indicated by an asterisk (*).

TABLE 10.3.6
Air Sample Data
RO2/RO2A (mR/hr)

DOWNWIND DISTANCE (METERS)

TIME	100	200	400	600	800	1000
1130	*	*	*	*	*	*
1145	*	*	*	*	*	*
1200	0.34	0.33	*	*	*	*
1215	0.34	0.33	0.32	0.31	0.30	0.29
1230	0.25	0.25	0.24	0.24	0.23	0.23
1245	*	*	*	*	*	*
1300	*	*	*	*	*	*
1315	*	*	*	*	*	*
1330	*	*	*	*	*	*
1345	*	*	*	*	*	*

- All values are calculated at plume centerline.
- For measurements taken off-centerline, interpolate between the centerline and the edge of the plume, assume value at plume edge equals 10% of centerline.
- Background levels (less than .02 mR/hr) are indicated by an asterisk (*).

TABLE 10.3.7
Air Sample Data
E140/HP210READINGS (cpm)

DOWNWIND DISTANCE (METERS)

TIME	100	200	400	600	800	1000
1130	890	*	*	*	*	*
1145	890	860	830	800	770	740
1200	1.3E4	1.3E4	1.2E4	1.2E4	1.1E4	1.1E4
1215	3.1E6	3.0E6	2.4E6	2.8E6	2.7E6	2.6E6
1230	2.6E6	2.5E6	2.4E6	2.3E6	2.2E6	2.1E6
1245	1.7E6	1.6E6	1.5E6	1.4E6	1.3E6	1.2E6
1300	5.4E5	5.2E5	5.0E5	4.8E5	4.6E5	4.4E5
1315	2.3E5	2.3E5	2.2E5	2.2E5	2.1E5	2.1E5
1330	9.3E4	9.0E4	8.7E4	8.4E4	8.1E4	7.8E4
1345	*	4.9E4	4.7E4	4.5E4	4.3E4	4.1E4

- All values are calculated at plume centerline.
- For measurements taken off-centerline, interpolate between the centerline and the edge of the plume, assume value at plume edge equals 10% of centerline.
- Background levels (less than 100 cpm) are indicated by an asterisk (*).

SECTION 10.4

FIELD DATA FOR OUTSIDE THE SITE BOUNDARY

Table 10.4.1

Plume Position

Time	S.B.	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
1130																				
1145	XXXX	XXXX																		
1200	XXXX	XXXX	XXXX	XXXX																
1215	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX														
1230	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX												
1245	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX								
1300	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX				
1315	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
1330	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
1345	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
1400							XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
1415													XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
1430																			XXXX	XXXX

Examples: At 1145 the leading edge of the plume is at 1 mile.
At 1400 the trailing edge of the plume is at 3.. miles.

Table 10.4.2

Release Rate Times

Time	S.B.	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
1130																				
1145	1130	1130																		
1200	1145	1145	1130	1130																
1215	1200	1200	1145	1145	1130	1130														
1230	1215	1215	1200	1200	1145	1145	1130	1130												
1245	1230	1230	1230	1215	1215	1215	1200	1200	1145	1145	1130	1130								
1300	1245	1245	1245	1245	1230	1230	1230	1215	1215	1215	1200	1200	1145	1145	1130	1130				
1315	1300	1300	1300	1300	1245	1245	1245	1245	1230	1230	1230	1215	1215	1215	1200	1200	1145	1145	1130	1130
1330	1315	1315	1315	1315	1300	1300	1300	1300	1300	1245	1245	1245	1245	1230	1230	1230	1215	1215	1200	1200
1345	1330	1330	1330	1330	1330	1315	1315	1315	1315	1315	1300	1300	1300	1300	1245	1245	1245	1245	1230	1230
1400							1330	1330	1330	1330	1330	1315	1315	1315	1315	1315	1300	1300	1300	1300
1415													1330	1330	1330	1330	1330	1315	1315	1315
1430																			1330	1330

Examples: The 1130 release is at 3 miles at time 1215.
The 1230 release is at 10 miles at time 1345.

Table 10.4.3

Closed Window Whole Body Dose Rates (mR/hr)
RO2/RO2A

Time	S.B.	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
1130																				
1145	BKGD	BKGD																		
1200	BKGD	BKGD	BKGD	BKGD																
1215	0.8	0.7	BKGD	BKGD	BKGD	BKGD														
1230	0.6	0.6	0.6	0.5	BKGD	BKGD	BKGD	BKGD												
1245	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.2	BKGD	BKGD	BKGD	BKGD								
1300	BKGD	BKGD	BKGD	BKGD	0.2	0.2	BKGD	0.2	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD				
1315	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD
1330	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD
1345	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD
1400							BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD
1415													BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD
1430																			BKGD	BKGD
*Int.Dose	4.6E-1	4.4E-1	2.5E-1	2.6E-1	1.6E-1	1.3E-1	1.2E-1	1.2E-1	5.5E-2	4.2E-2	4.4E-2	4.8E-2	2.3E-2	2.7E-2	2.9E-2	2.6E-2	1.5E-2	1.3E-2	1.4E-2	1.3E-2
*Max.Dose	6.1	5.9	5.3	4.7	4.1	3.6	3.0	2.4	1.9	1.3	1.2	1.1	1.0	9.6E-1	8.8E-1	8.0E-1	7.2E-1	6.4E-1	5.6E-1	4.8E-1

*Int.Dose is the actual dose received if exposed at centerline for the entire release.
*Max.Dose is the projected dose using the default duration for centerline values.

Notes: All values represent centerline readings.
For measurements taken off-centerline, interpolate between the centerline value and the edge of the plume.
The value at the plume edge equals 1% of the centerline value.

Table 10.4.4

Open Window Whole Body Dose Rates (mR/hr)
RO2/RO2A

Time	S.B.	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
1130																				
1145	BKGD	BKGD																		
1200	BKGD	BKGD	BKGD	BKGD																
1215	1.9	1.8	BKGD	BKGD	BKGD	BKGD														
1230	1.5	1.4	1.5	1.3	BKGD	BKGD	BKGD	BKGD												
1245	0.7	0.7	0.6	0.9	0.8	0.7	0.7	0.6	BKGD	BKGD	BKGD	BKGD								
1300	0.3	0.3	0.3	0.2	0.4	0.4	0.3	0.4	0.3	0.2	0.3	0.3	BKGD	BKGD	BKGD	BKGD				
1315	BKGD	BKGD	BKGD	BKGD	0.2	0.2	BKGD	BKGD	0.2	BKGD	BKGD	0.2	0.2	0.2	0.2	0.2	BKGD	BKGD	BKGD	BKGD
1330	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD
1345	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD
1400							BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD
1415													BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD
1430																			BKGD	BKGD

Notes: All values represent centerline readings.
For measurements taken off-centerline, interpolate between the centerline value and the edge of the plume.
The value at the plume edge equals 1% of the centerline value.

Table 10.4.5

Child Thyroid Dose Rates (mR/hr)

Time	S.B.	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
1130																				
1145	1.0	1.0																		
1200	16	5	0.9	0.9																
1215	3700	3500	13	12	0.8	0.7														
1230	2900	2800	2900	2600	9.9	8.5	0.5	0.5												
1245	1600	1500	1400	1900	1600	1400	1400	1100	3.7	2.6	0.2	0.2								
1300	610	590	530	470	1000	870	720	860	640	480	480	450	1.9	1.7	0.1	0.1				
1315	300	290	260	240	400	350	290	240	420	280	260	370	340	320	330	300	1.2	1.1	0.1	0.1
1330	110	100	94	84	200	170	140	110	88	120	110	100	97	200	190	170	220	200	190	170
1345	57	55	50	44	38	58	49	40	30	21	52	49	46	43	77	70	64	57	110	98
1400							26	21	16	10	9.9	17	16	15	14	13	30	27	24	21
1415													8.7	8.1	7.6	7.0	6.4	9.9	8.7	7.6
1430																			5.4	5.8
*Int.Dose	2.3E+3	2.2E+3	1.3E+3	1.3E+3	8.2E+2	7.2E+2	6.5E+2	5.9E+2	3.0E+2	2.3E+2	2.3E+2	2.5E+2	1.3E+2	1.5E+2	1.5E+2	1.4E+2	8.1E+1	7.4E+1	8.4E+1	7.6E+1
*Max.Dose	3.0E+4	2.8E+4	2.6E+4	2.3E+4	2.0E+4	1.7E+4	1.4E+4	1.2E+4	8.9E+3	6.1E+3	5.7E+3	5.4E+3	5.0E+3	4.6E+3	4.2E+3	3.9E+3	3.5E+3	3.1E+3	2.8E+3	2.4E+3

*Int.Dose is the actual dose received if exposed at centerline for the entire release.
*Max.Dose is the projected dose using the default duration for centerline values.

Notes: All values represent centerline readings.
For measurements taken off-centerline, interpolate between the centerline value and the edge of the plume.
The value at the plume edge equals 1% of the centerline value.

Table 10.4.6

Iodine Concentrations (uCi/cc)

Time	S.B.	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
1130																				
1145	5.4E-10	5.2E-10																		
1200	8.2E-9	7.9E-9	5.0E-10	4.5E-10																
1215	1.9E-6	1.9E-6	7.1E-9	6.3E-9	4.0E-10	3.5E-10														
1230	1.5E-6	1.5E-6	1.5E-6	1.4E-6	5.2E-9	4.5E-9	2.9E-10	2.4E-10												
1245	8.4E-7	8.1E-7	7.3E-7	9.8E-7	8.6E-7	7.5E-7	7.1E-7	5.8E-7	2.0E-9	1.3E-9	1.1E-10	1.0E-10								
1300	3.2E-7	3.1E-7	2.8E-7	2.5E-7	5.3E-7	4.6E-7	3.8E-7	4.6E-7	3.4E-7	2.5E-7	2.3E-7	2.3E-7	9.9E-10	9.2E-10	7.0E-11	6.3E-11				
1315	1.6E-7	1.5E-7	1.4E-7	1.2E-7	2.1E-7	1.8E-7	1.5E-7	1.2E-7	2.2E-7	1.5E-7	1.4E-7	2.0E-7	1.8E-7	1.7E-7	1.6E-7	1.6E-7	6.5E-10	5.8E-10	3.9E-11	3.2E-11
1330	5.7E-8	5.5E-8	5.0E-8	4.4E-8	1.0E-7	8.9E-8	7.5E-8	6.0E-8	4.6E-8	6.2E-8	5.8E-8	5.5E-8	5.1E-8	1.1E-7	9.8E-8	8.9E-8	1.2E-7	1.1E-7	9.6E-8	9.0E-8
1345	3.0E-8	2.9E-8	2.6E-8	2.3E-8	2.0E-8	3.1E-8	2.6E-8	2.1E-8	1.6E-8	1.1E-8	2.8E-8	2.6E-8	2.4E-8	2.2E-8	4.0E-8	3.7E-8	3.4E-8	3.0E-8	6.0E-8	5.2E-8
1400							1.4E-8	1.1E-8	8.2E-9	5.5E-9	9.1E-9	8.5E-9	7.8E-9	7.2E-9	6.6E-9	1.6E-8	1.4E-8	1.3E-8	1.1E-8	1.1E-8
1415													4.6E-9	4.3E-9	4.0E-9	3.7E-9	3.4E-9	5.2E-9	4.6E-9	4.0E-9
1430																			2.8E-9	2.5E-9

Notes: All values represent centerline readings.
For measurements taken off-centerline, interpolate between the centerline value and the edge of the plume.
The value at the plume edge equals 1% of the centerline value.

Table 10.4.7
Air Sample Data
E520/HP-210 Readings (cpm)

Time	S.B.	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
1130																				
1145	BKGD	BKGD																		
1200	BKGD	BKGD	BKGD	BKGD																
1215	1.2E4	1.2E4	BKGD	BKGD	BKGD	BKGD														
1230	9600	9200	9500	8400	BKGD	BKGD	BKGD	BKGD												
1245	5300	5100	4600	6100	5400	4700	4500	3600	BKGD	BKGD	BKGD	BKGD								
1300	2000	1900	1700	1600	3300	2900	2400	2800	2100	1600	1600	1500	BKGD	BKGD	BKGD	BKGD				
1315	1000	960	870	780	1300	1100	960	760	1400	920	870	1200	1100	1000	1100	980	BKGD	BKGD	BKGD	BKGD
1330	360	340	310	280	640	560	470	380	290	390	370	340	320	660	610	560	740	660	610	560
1345	190	180	160	140	130	190	160	130	100	BKGD	170	160	150	140	250	230	210	190	370	320
1400							BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	100	BKGD	BKGD	BKGD
1415													BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD
1430																			BKGD	BKGD

Notes: All values represent centerline readings.
For measurements taken off-centerline, interpolate between the centerline value and the edge of the plume.
The value at the plume edge equals 1% of the centerline value.

Table 10.4.8
Air Sample Data
RO-2/RO-2A Readings (mR/hr)

Time	S.B.	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
1130																				
1145	BKGD	BKGD																		
1200	BKGD	BKGD	BKGD	BKGD																
1215	0.29	0.28	BKGD	BKGD	BKGD	BKGD														
1230	0.23	0.22	0.23	0.20	BKGD	BKGD	BKGD	BKGD												
1245	0.12	0.12	0.11	0.15	0.13	0.11	0.11	0.09	BKGD	BKGD	BKGD	BKGD								
1300	0.06	0.05	0.04	0.04	0.08	0.07	0.06	0.07	0.05	0.04	0.04	0.04	BKGD	BKGD	BKGD	BKGD				
1315	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.03	0.02	0.02	0.03	0.03	0.03	0.03	0.02	BKGD	BKGD	BKGD	BKGD
1330	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
1345	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	0.02	0.02	BKGD	BKGD	0.02	0.02
1400							BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD
1415													BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD	BKGD
1430																			BKGD	BKGD

Notes: All values represent centerline readings.
For measurements taken off-centerline, interpolate between the centerline value and the edge of the plume.
The value at the plume edge equals 1% of the centerline value.

Table 10.4.9
Air Sample Data
E340/HP-210 Readings (cpm)

Time	S.B.	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0
1130																				
1145	740	710																		
1200	1.1E4	1.1E4	680	610																
1215	2.6E6	2.5E6	9700	8600	550	480														
1230	2.1E6	2.0E6	2.1E6	1.8E6	7100	6100	390	330												
1245	1.2E6	1.1E6	1.0E6	1.3E6	1.2E6	1.0E6	9.7E5	7.9E5	2700	1800	150	140								
1300	4.4E5	4.2E5	3.8E5	3.4E5	7.3E5	6.2E5	5.2E5	6.2E5	4.6E5	3.4E5	3.4E5	3.2E5	1300	1300	BKGD	BKGD				
1315	2.1E5	2.1E5	1.9E5	1.7E5	2.9E5	2.5E5	2.1E5	1.7E5	3.0E5	2.0E5	1.9E5	2. E5	2.5E5	2.3E5	2.3E5	2.1E5	880	790	BKGD	BKGD
1330	7.8E4	7.5E4	6.8E4	6.0E4	1.4E5	1.2E5	1.0E5	8.2E4	1.3E4	8.5E4	8.0E4	7.5E4	7.0E4	1.4E5	1.3E5	1.2E5	1.6E5	1.4E5	1.3E5	1.2E5
1345	4.1E4	3.9E4	3.6E4	3.2E4	2.8E4	4.2E4	3.5E4	2.8E4	2.2E4	1.5E4	3.8E4	3.5E4	3.3E4	3.1E4	5.5E4	5.0E4	4.6E4	4.1E4	8.1E4	7.0E4
1400							1.9E4	1.5E4	1.1E4	7500	7100	1.2E4	1.1E4	9800	9000	2.2E4	2.0E4	1.7E4	1.5E4	BKGD
1415													6200	5800	5400	5000	4600	7100	6500	5400
1430																			3800	3400

Notes: All values represent centerline readings.
For measurements taken off-centerline, interpolate between the centerline value and the edge of the plume.
The value at the plume edge equals 1% of the centerline value.

SECTION 10.5

DEPOSITION DATA

Table 10.5.1
Iodine Deposition
(Samples Taken One [1] Hour After Plume Passage)

DISTANCE (MILES)	GROSS IODINE (uCI/SQ METER)	IODINE-131 (uCI/SQ METER)	DR @ 1 CM (MR/HR)	DR @ 1 METER (MR/HR)
.5	3.2E-01	6.7E-02	BKG	BKG
1	2.7E-01	5.6E-02	BKG	BKG
2	1.1E-01	2.4E-02	BKG	BKG
3	6.3E-02	1.3E-02	BKG	BKG
4	4.0E-02	8.4E-03	BKG	BKG
5	3.0E-02	6.2E-03	BKG	BKG
6	2.0E-02	4.1E-03	BKG	BKG
7	1.6E-02	3.2E-03	BKG	BKG
8	1.2E-02	2.6E-03	BKG	BKG
9	9.3E-03	1.9E-03	BKG	BKG
10	7.7E-03	1.6E-03	BKG	BKG
20	3.0E-03	6.2E-04	BKG	BKG
30	1.1E-03	2.3E-04	BKG	BKG
40	6.7E-04	1.4E-04	BKG	BKG
50	4.6E-04	9.5E-05	BKG	BKG

Notes:

- Assume uniform distribution across width of plume at each downwind distance.
- DR = Open window dose rates. At 1 CM, closed window readings are 3% of open; At 1 METER, closed window readings are 25% of open
- BKG = Background, less than 5.0E-3 MR/HR
- Pound sign (#) indicates that the preventative PAG dose commitment level is exceeded
- Two pound signs (##) indicate that the emergency PAG dose commitment level is exceeded

Table 10.5-1
Iodine Concentrations
(Samples Taken One [1] Hour After Plume Passage)

DISTANCE (MILES)	SOIL CONC (uCI/KG)	WATER CONC (uCI/L)	GRASS CONC (uCI/KG)	VEG CONC (uCI/KG)
.5	6.1E-03	1.3E-02	1.3E+00##	3.2E+00
1	3.1E-03	1.1E-02	1.1E+00##	2.7E+00
2	2.1E-03	4.5E-03	4.6E-01#	1.1E+00
3	1.2E-03	2.5E-03	2.5E-01#	6.3E-01
4	7.6E-04	1.6E-03	1.5E-01#	4.0E-01
5	5.6E-04	1.2E-03	1.2E-01#	3.0E-01
6	3.7E-04	7.7E-04	7.8E-02#	2.0E-01
7	2.9E-04	6.1E-04	6.2E-02#	1.6E-01
8	2.3E-04	4.8E-04	4.9E-02	1.2E-01
9	1.7E-04	3.7E-04	3.7E-02	9.3E-02
10	1.4E-04	3.0E-04	3.1E-02	7.7E-02
20	5.6E-05	1.2E-04	1.2E-02	3.0E-02
30	2.1E-05	4.4E-05	4.5E-03	1.1E-02
40	1.3E-05	2.7E-05	2.7E-03	6.7E-03
50	8.6E-06	1.8E-05	1.8E-03	4.5E-03

Notes:

- Assume uniform distribution across width of plume at each downwind distance.
- DR - Open window dose rates: At 1 CM, closed window readings are 3% of open; At 1 METER, closed window readings are 25% of open
- BKG - Background, less than 5.0E-3 MR/HR
- Pound sign (#) indicates the preventative PAG dose commitment level is exceeded
- Two pound signs (##) indicate that the emergency PAG dose commitment level is exceeded

Table 10.5.3
Peak Milk Concentration (I-131)

DISTANCE (MILES)	ONE DAY (uCi/mL)	TWO DAYS (uCi/mL)	THREE DAYS (uCi/mL)
.5	2.4E-05#	3.2E-05#	3.2E-05#
1	2.0E-05#	2.7E-05#	2.7E-05#
2	8.6E-05	1.1E-05	1.1E-05
3	4.7E-06	6.2E-06	6.3E-06
4	3.0E-06	4.0E-06	4.0E-06
5	2.2E-06	2.9E-06	3.0E-06
6	1.5E-06	1.9E-06	2.0E-06
7	1.5E-06	1.5E-06	2.0E-06
8	9.3E-07	1.2E-05	1.2E-06
9	7.0E-07	9.1E-07	9.3E-07
10	5.8E-07	7.5E-07	7.7E-07
20	2.2E-07	2.9E-07	3.0E-07
30	8.5E-08	1.1E-07	3.0E-07
40	5.1E-08	6.6E-08	6.7E-08
50	3.5E-08	4.5E-08	4.6E-08

Note:

- Peak concentration occurs approximately 24 hours after ingestion of vegetation by the diary animals.
- Pound sign (#) indicates that the preventative PAG dose commitment level is exceeded.
- Two pound signs (##) indicate that the emergency PAG dose commitment level is exceeded.

SECTION 10.6

PROTECTIVE ACTION RECOMMENDATIONS AND PLUME LOCATION MAPS

DOSE PROJECTIONS

AND

PROTECTIVE ACTION RECOMMENDATIONS

In this scenario, an unfiltered release begins at 1130, when the feedwater line break causes reactor water level to decrease to 2/3 core height.

Table 10.6.1 shows the dose projections for a peak release at 1200. The protective action recommendations are based on child thyroid doses using the conservative default release duration of eight hours. EIP-2-007 indicates the recommendation given based on this projection.

Table [illegible]

Dose Projections and Protective Actior Recommendations

****

PROTECTIVE ACTION RECOMMENDATION

****

RIP-2-007 FLOWCHART BLOCK 35

```
*****************************************
*          Evacuate 2 mile radius       *
*        Evacuate 5 miles downwind      *
*          Shelter 5 mile radius        *
*        Shelter 10 miles downwind      *
*                                       *
*  Evacuate schools, institutions, and  *
*    recreation areas 5 mile radius     *
*****************************************
***** CONTINUE TO UPDATE EVALUATION *****
```

Wind Direction (from)	Affected Sectors	Corresponding Protective Action Sections		
		2 miles	5 miles	10 miles
0.00	J K	1	4,9,16	14,15,17

2 mile radius PAS = 1
5 mile radius PAS = 2,3,4,8,9,16
10 mile radius PAS = 5,6,7,10,11,12,13,14,15,17,18

****

Date: 12-[illegible]-91 SUMMARY TABLE Time of calc: 1030

****

DOSE PROJECTIONS BASED ON DPMS DATA

ACCIDENT: Infiltrated steam line break

Wind Speed: 4.00 mph Release Rate (uCi/sec): 1.58e06
Wind Direction (from): 0.00 deg Release Duration: 8.00 hrs
Delta T: -0.50 deg F Time since shutdown: 8.20 hrs
Stability Class: D

Distance	WB Dose Rate (mRem/hr)	Duration (hrs)	WB Dose (mRem)	Thyroid Dose (mRem)
EAB (0.6 miles)	0.15	8.00	1.19	142419.78
2.0 miles	0.03	8.00	0.22	28518.65
5.0 miles	0.01	8.00	0.05	7603.30
10.0 miles	0.00	8.00	0.02	2958.99

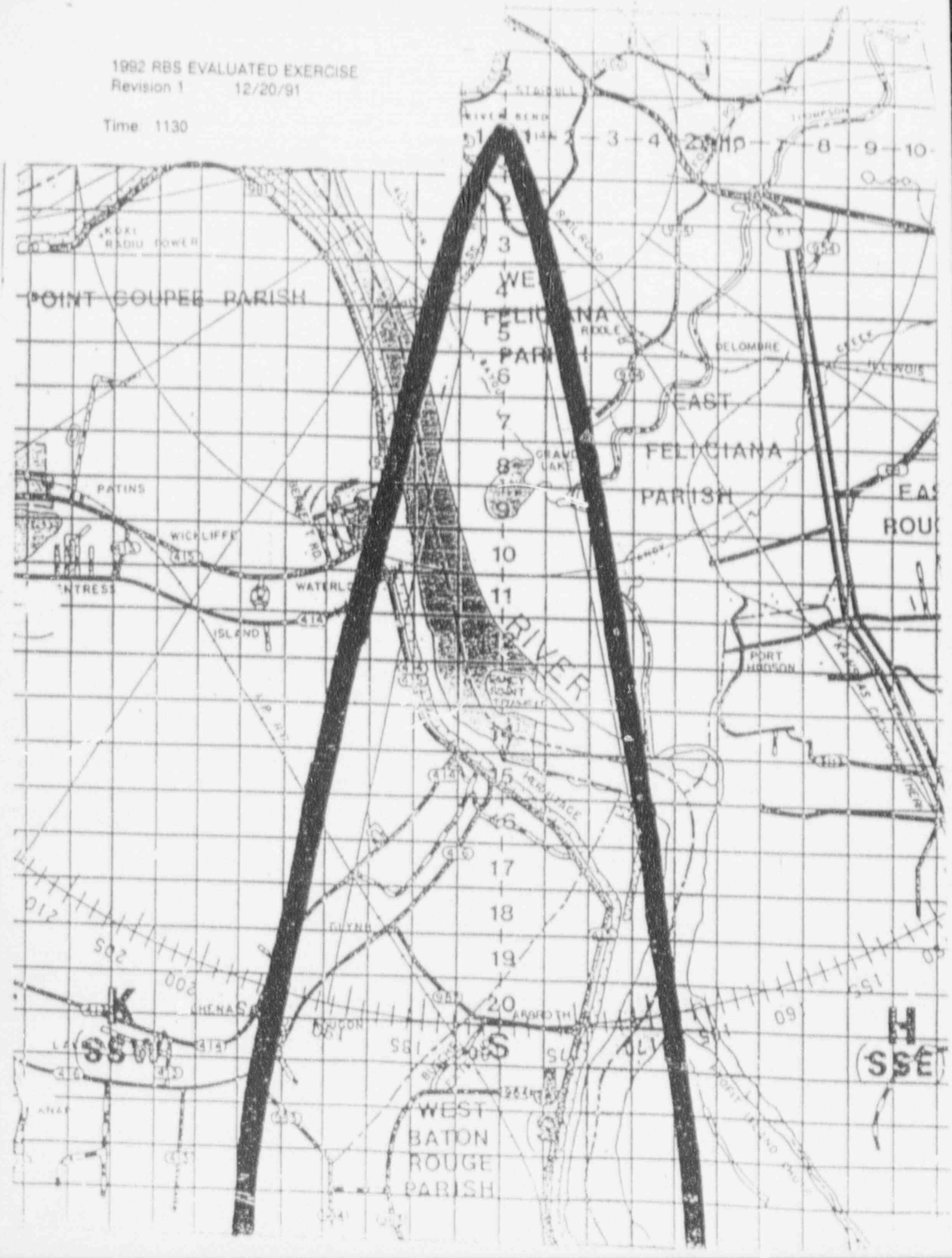
Date: 12 / 91 SUMMARY TABLE Time of calc: 1:00

Distance	WB Dose Rate (mRem/hr)	WB Dose (mRem)	Thyroid Dose (mRem)	Plume Arrival Time (hrs)
EAB (0.6 miles)	0.15	1.18	142419.78	0.14
1.0 miles	0.07	0.53	72685.06	0.25
2.0 miles	0.03	0.22	28518.65	0.50
3.0 miles	0.01	0.10	15747.51	0.75
4.0 miles	0.01	0.07	10340.64	1.00
5.0 miles	0.01	0.05	7609.30	1.25
6.0 miles	0.00	0.04	5828.56	1.50
7.0 miles	0.00	0.03	4809.13	1.75
8.0 miles	0.00	0.02	4043.81	2.00
9.0 miles	0.00	0.02	3438.15	2.25
10.0 miles	0.00	0.02	2958.99	2.50

Plume arrival time = hours from calc time

1992 RBS EVALUATED EXERCISE
Revision 1 12/20/91

Time 1130



1992 RBS EVALUATED EXERCISE
Revision 1 12/20/91

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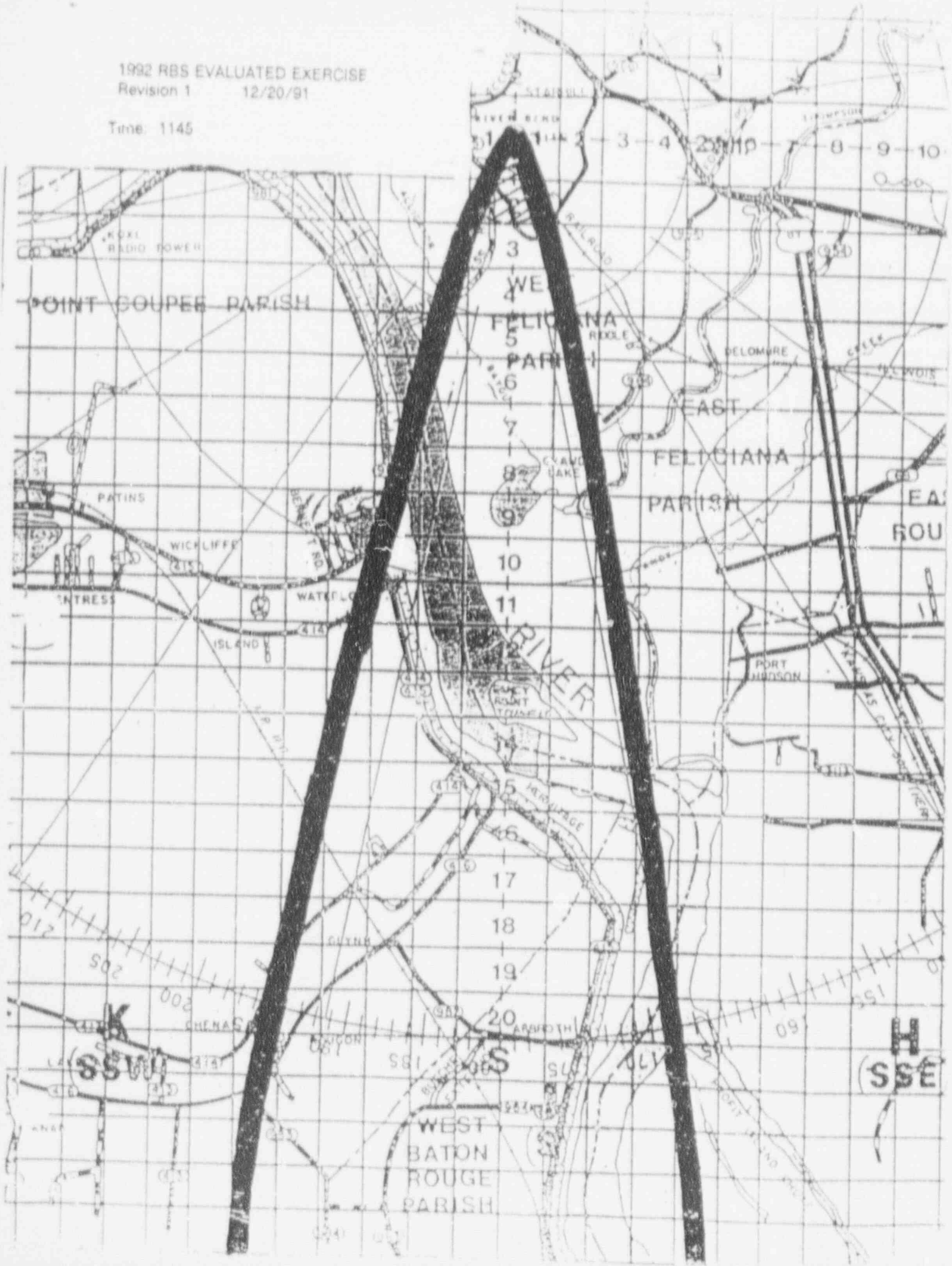

1992 RBS EVALUATED EXERCISE
Revision 1 12/20/91

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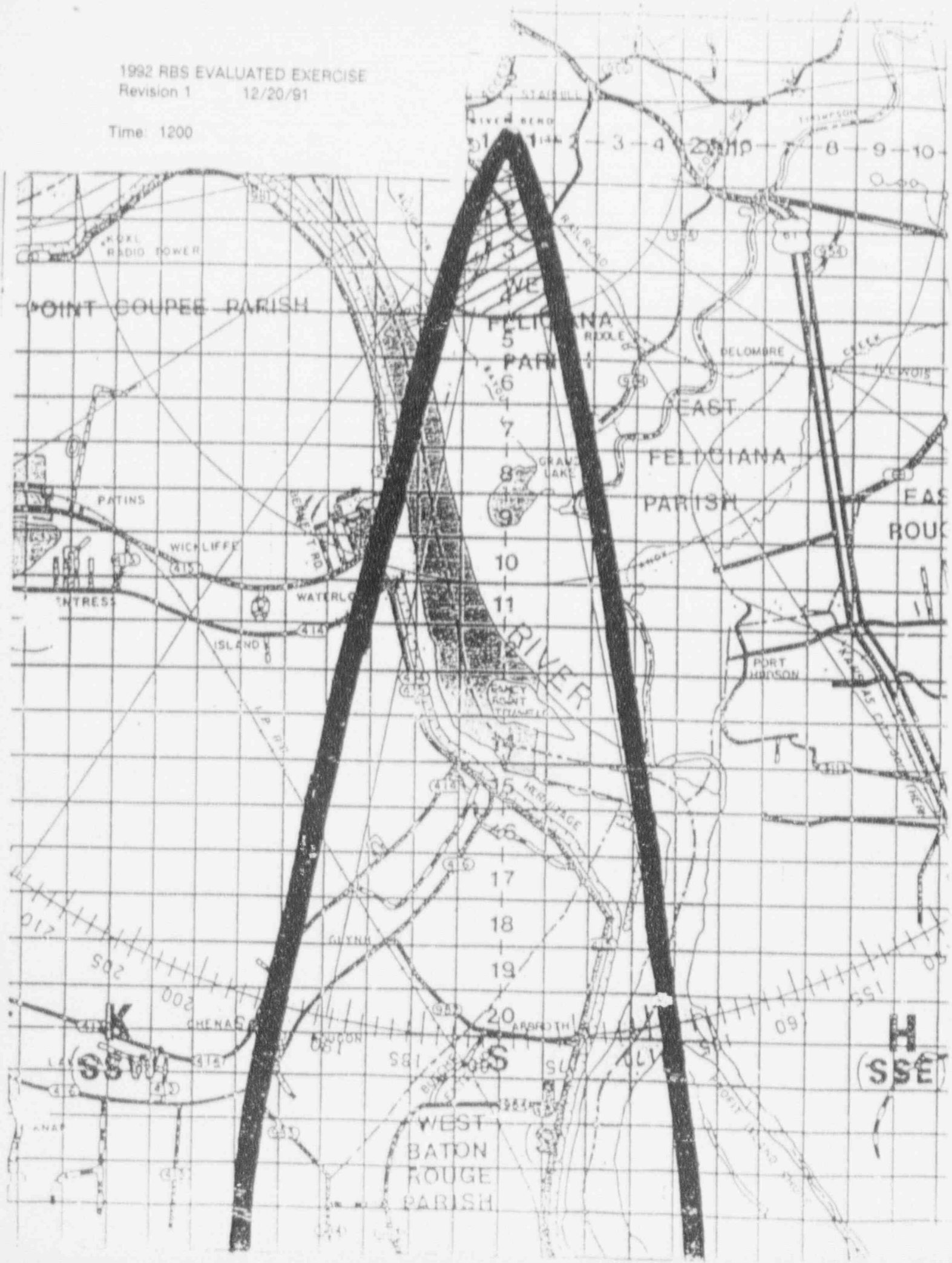

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Revision 1 12/20/91

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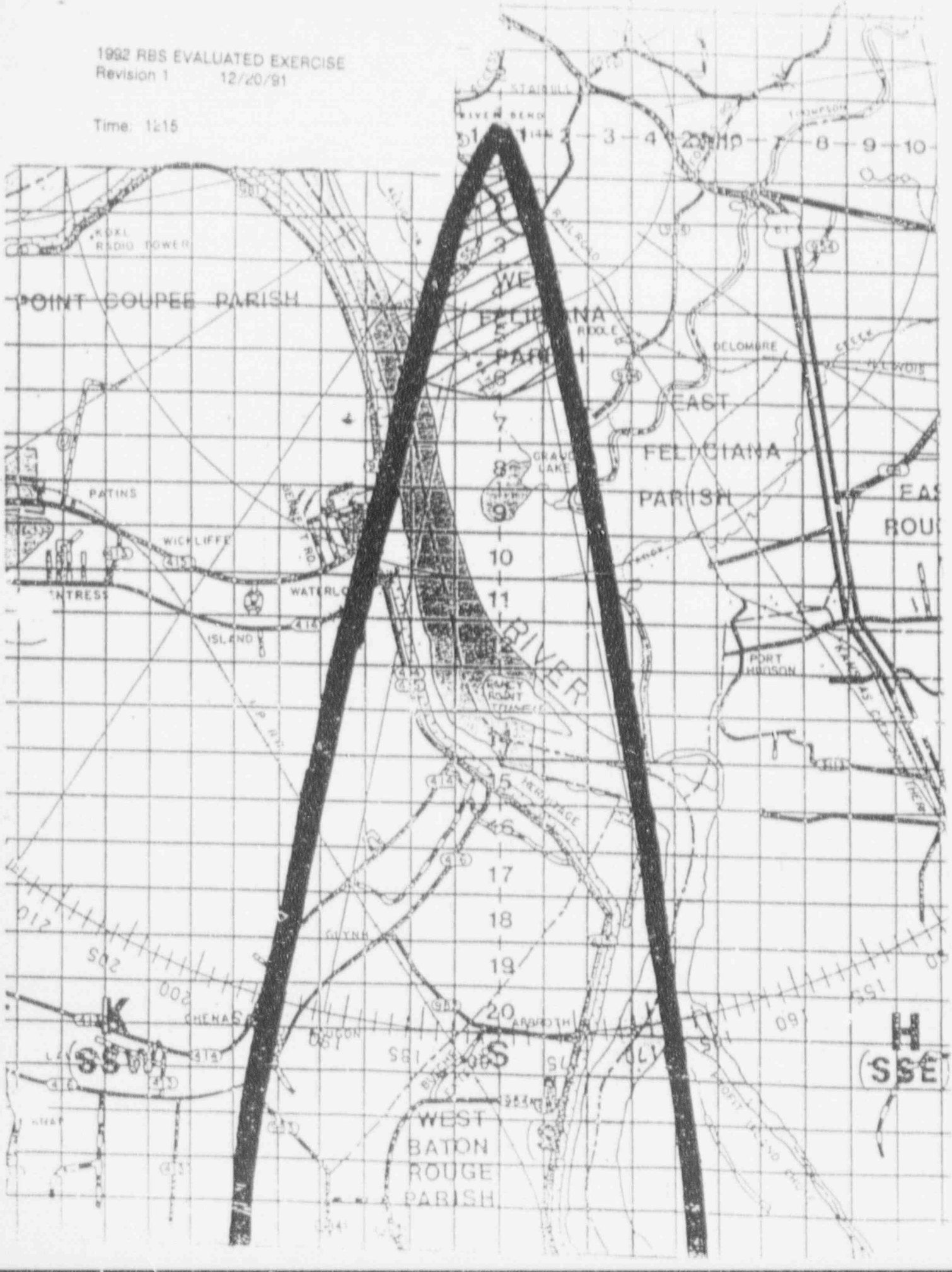

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Revision 1 12/20/91

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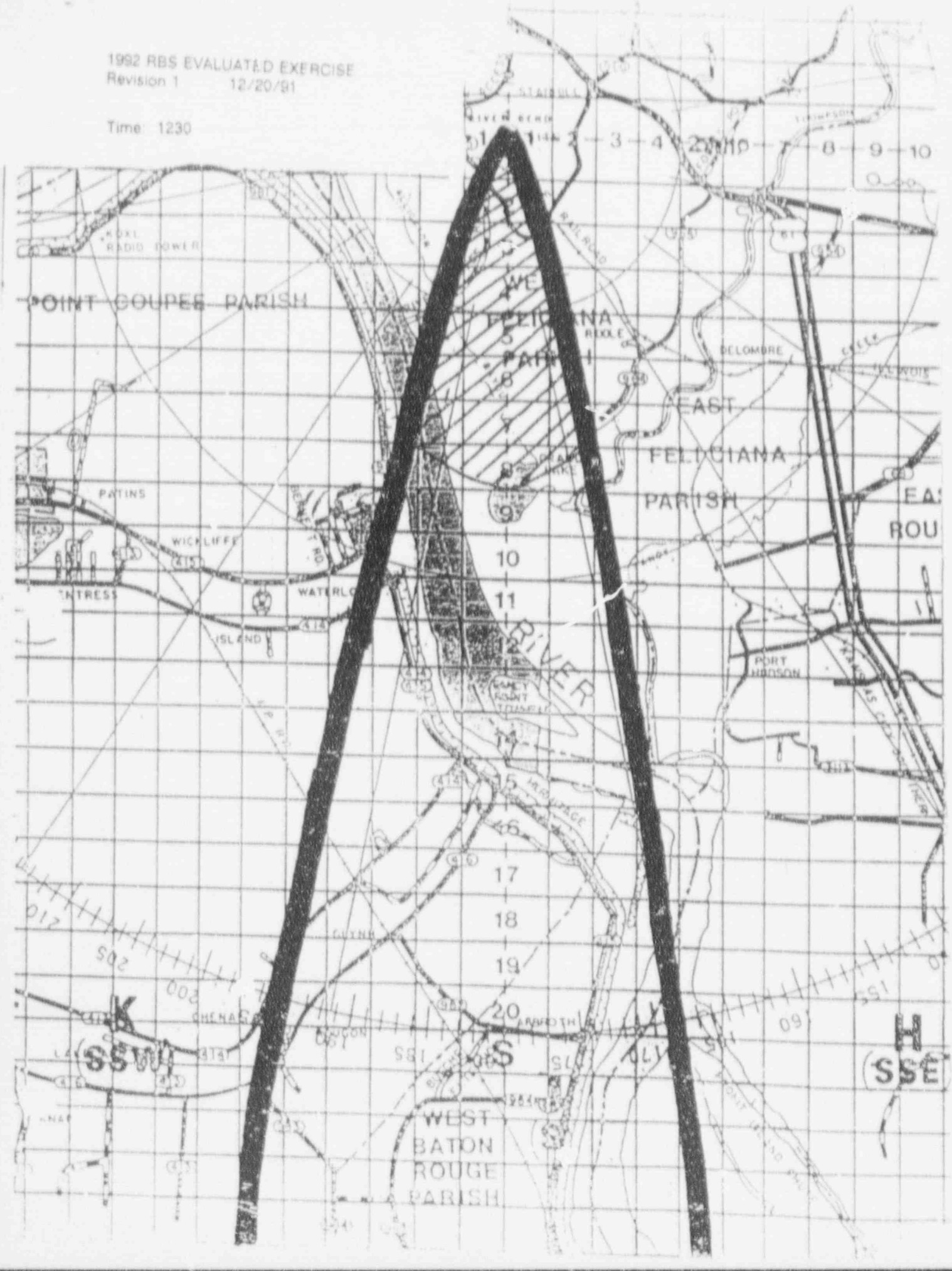

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Revision 1 12/20/91

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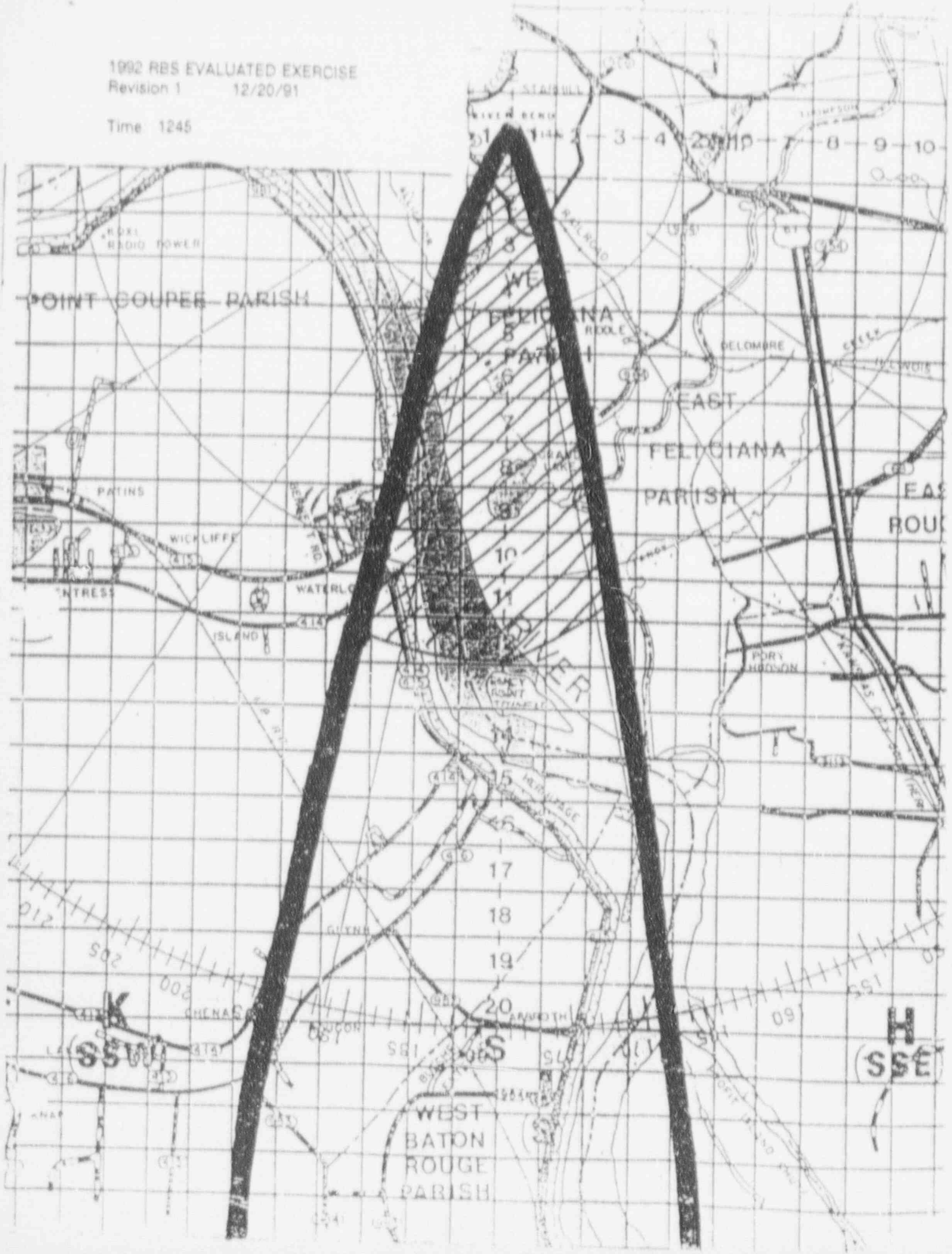

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Revision 1 12/20/91

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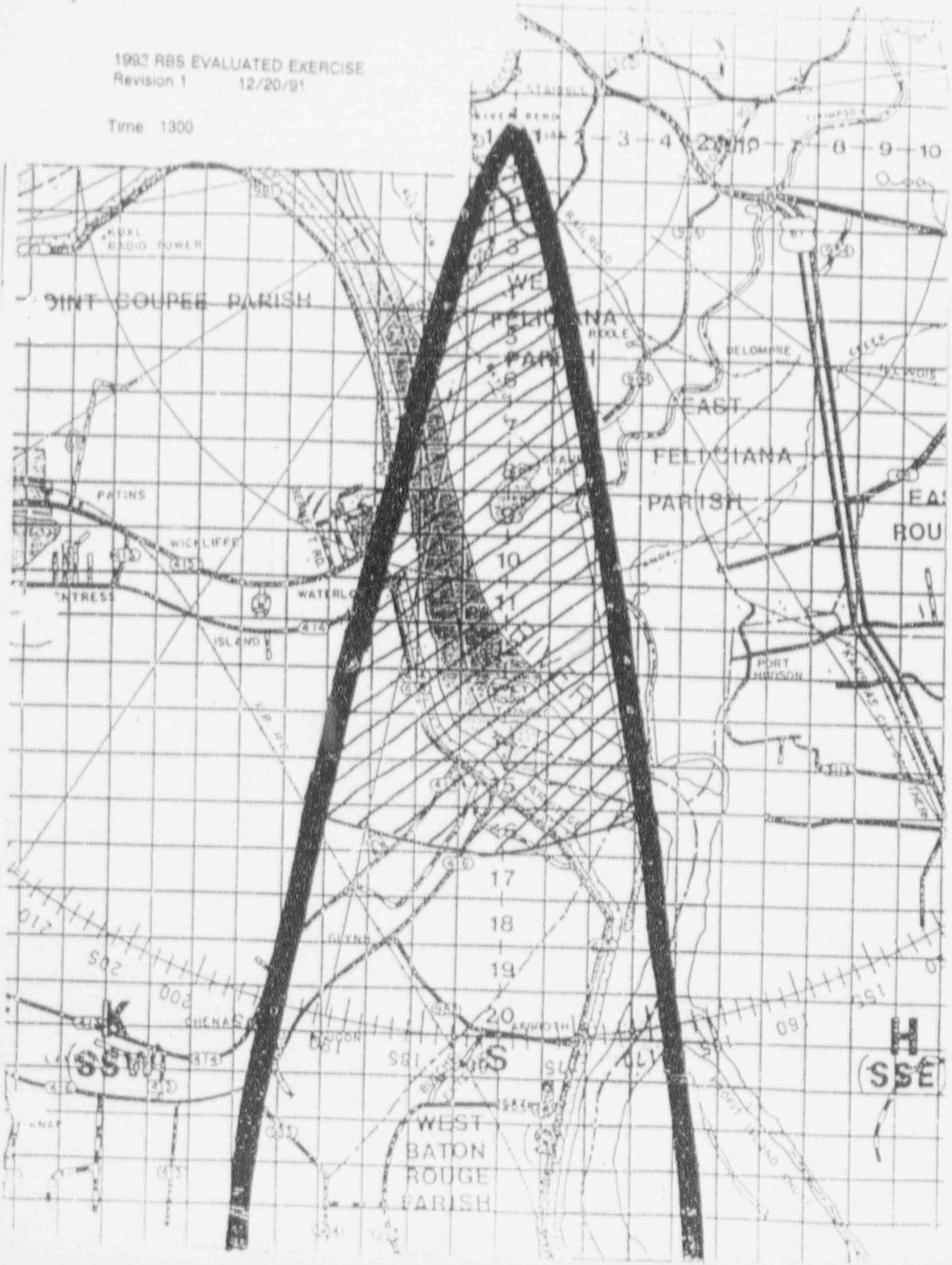

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Revision 1 12/20/91

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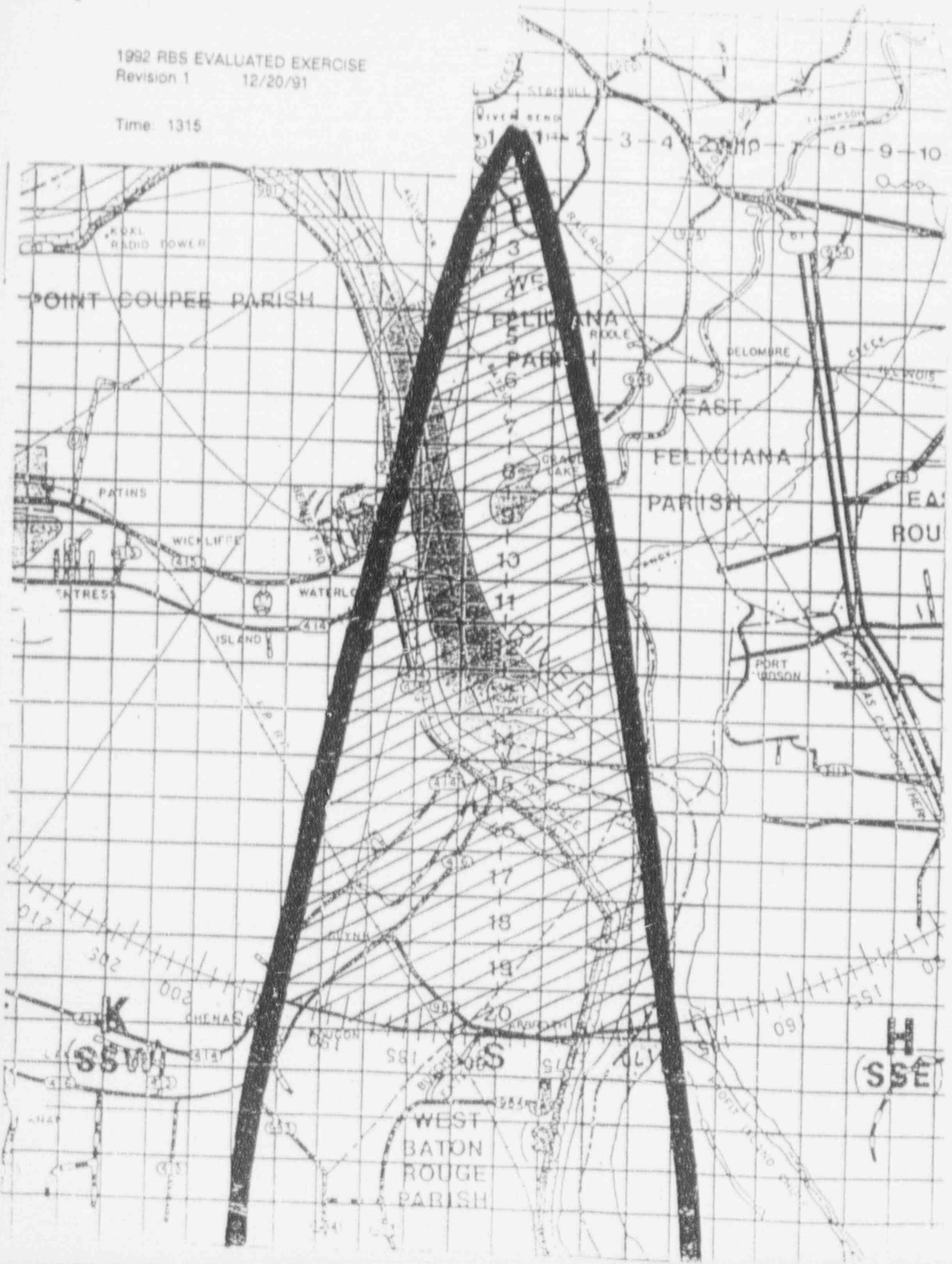

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Revision 1 12/20/91

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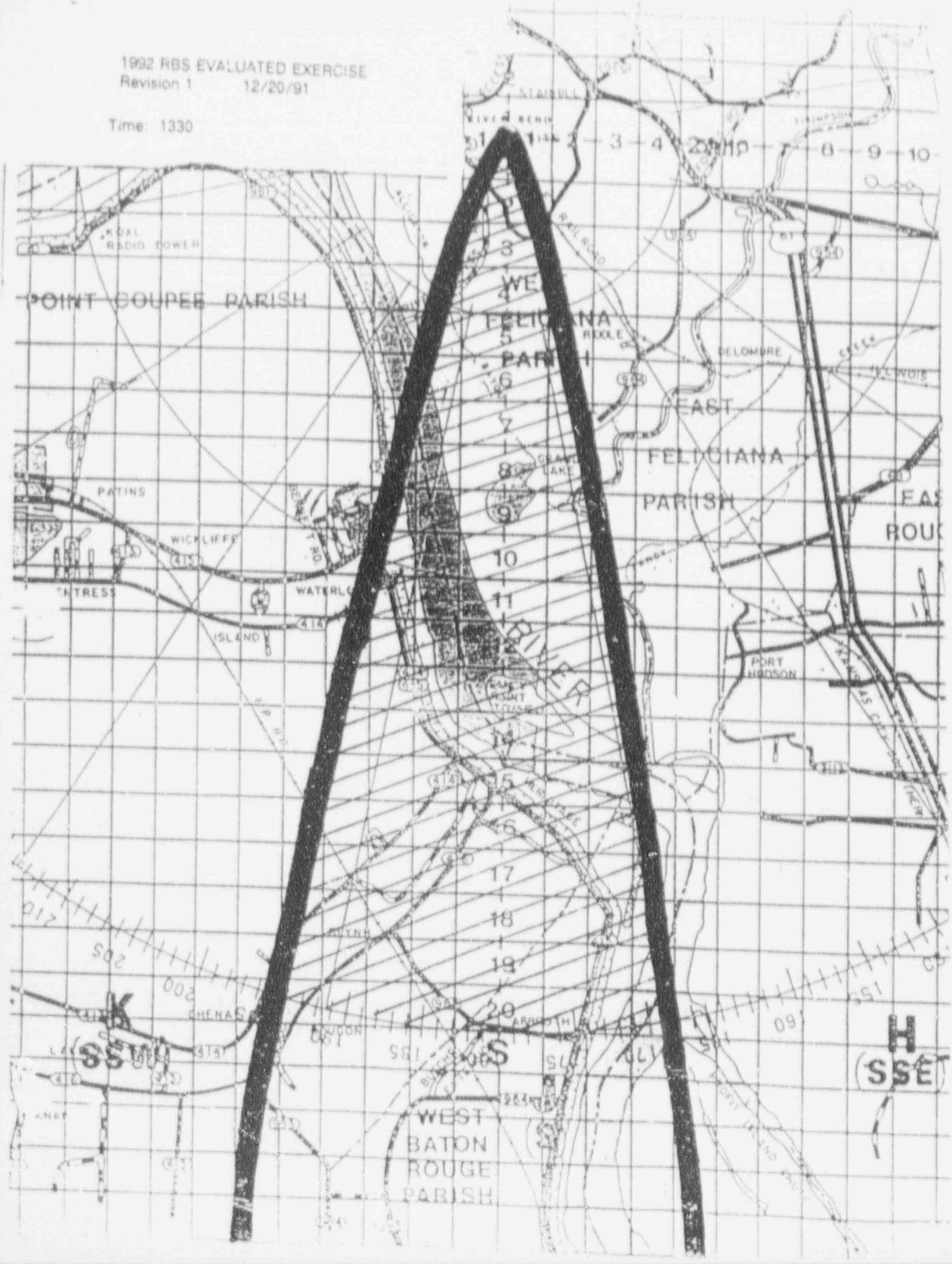

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Revision 1 12/20/91

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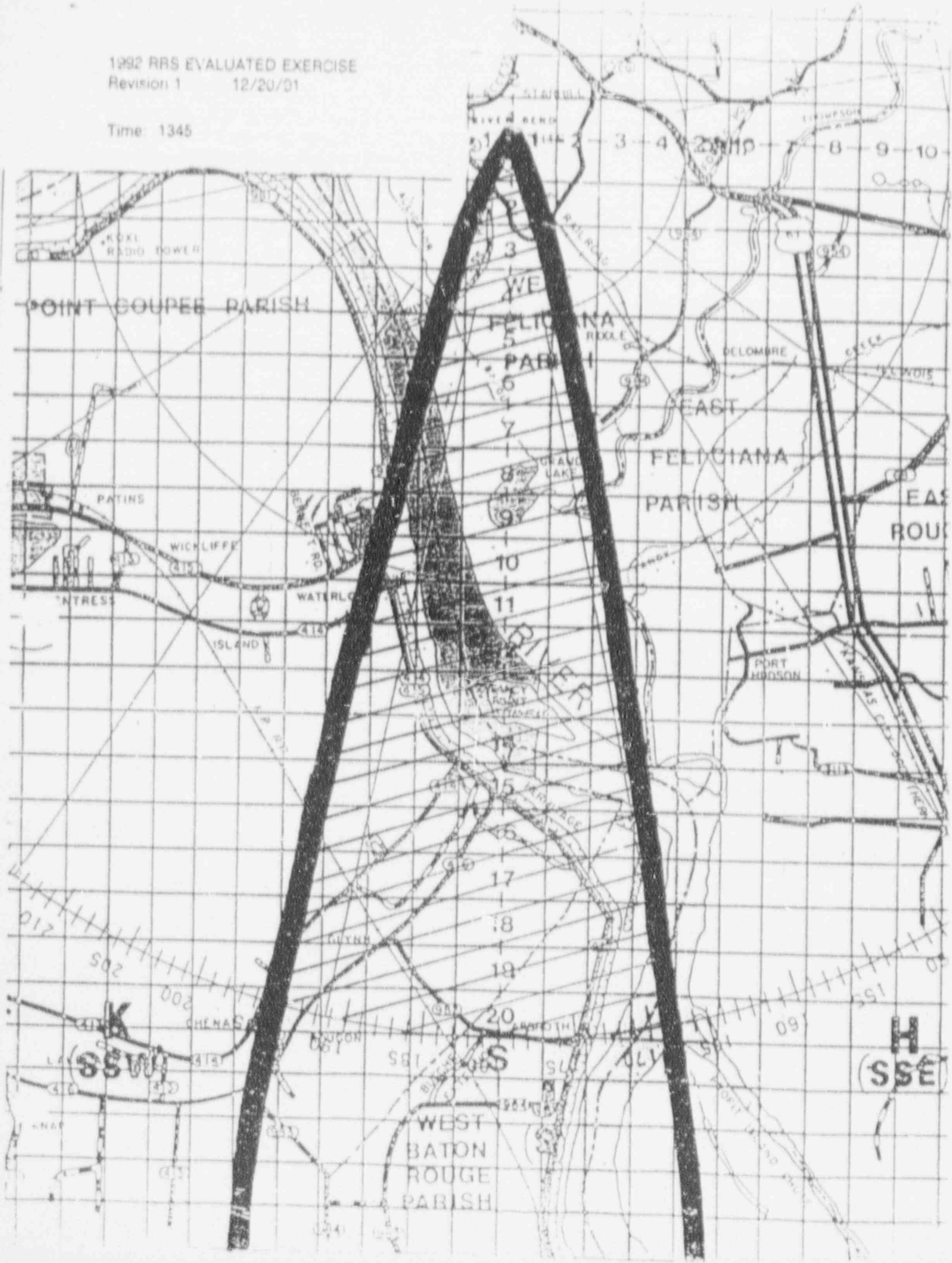

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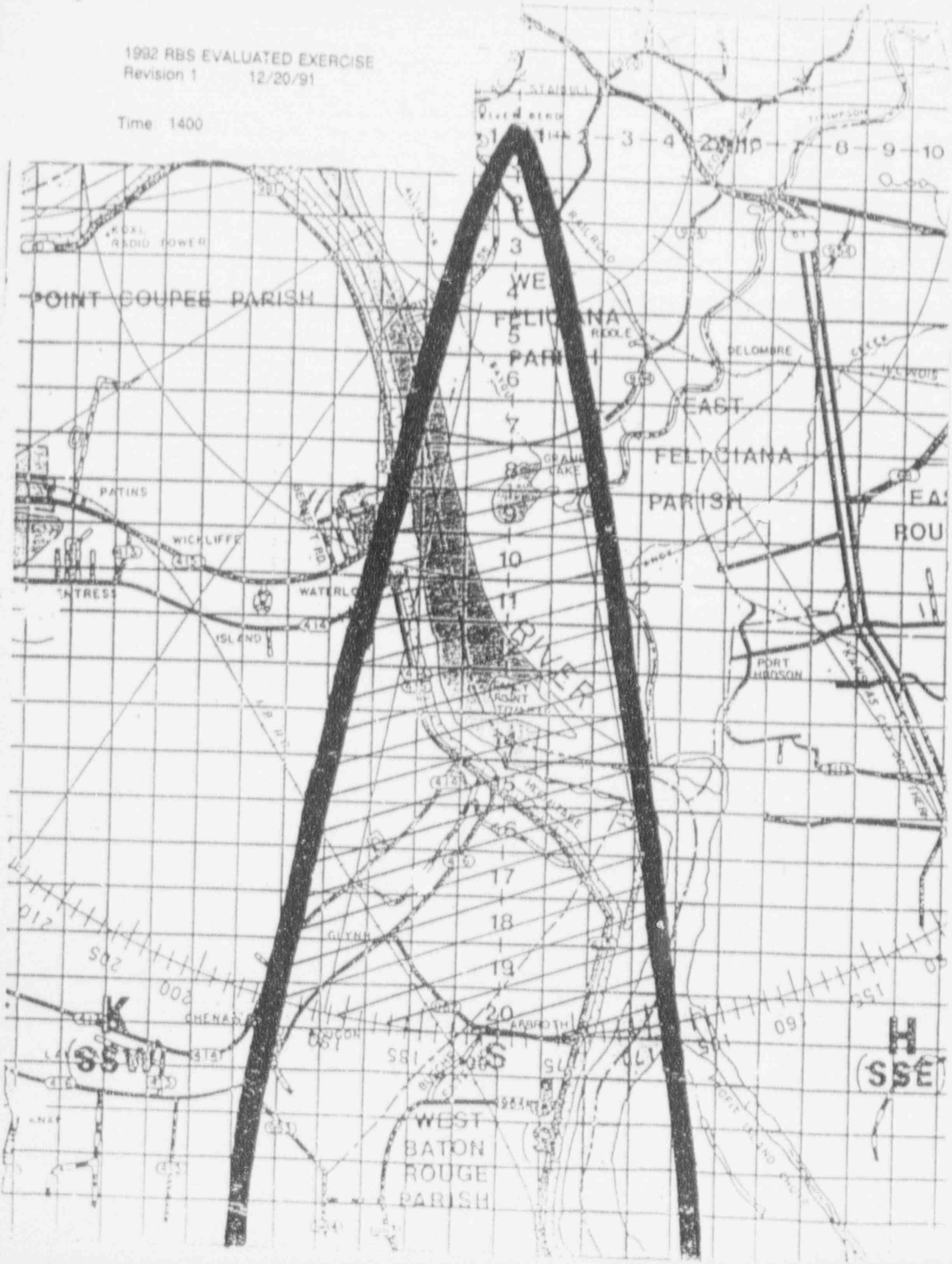
Revision 1 12/20/91

Time 1400



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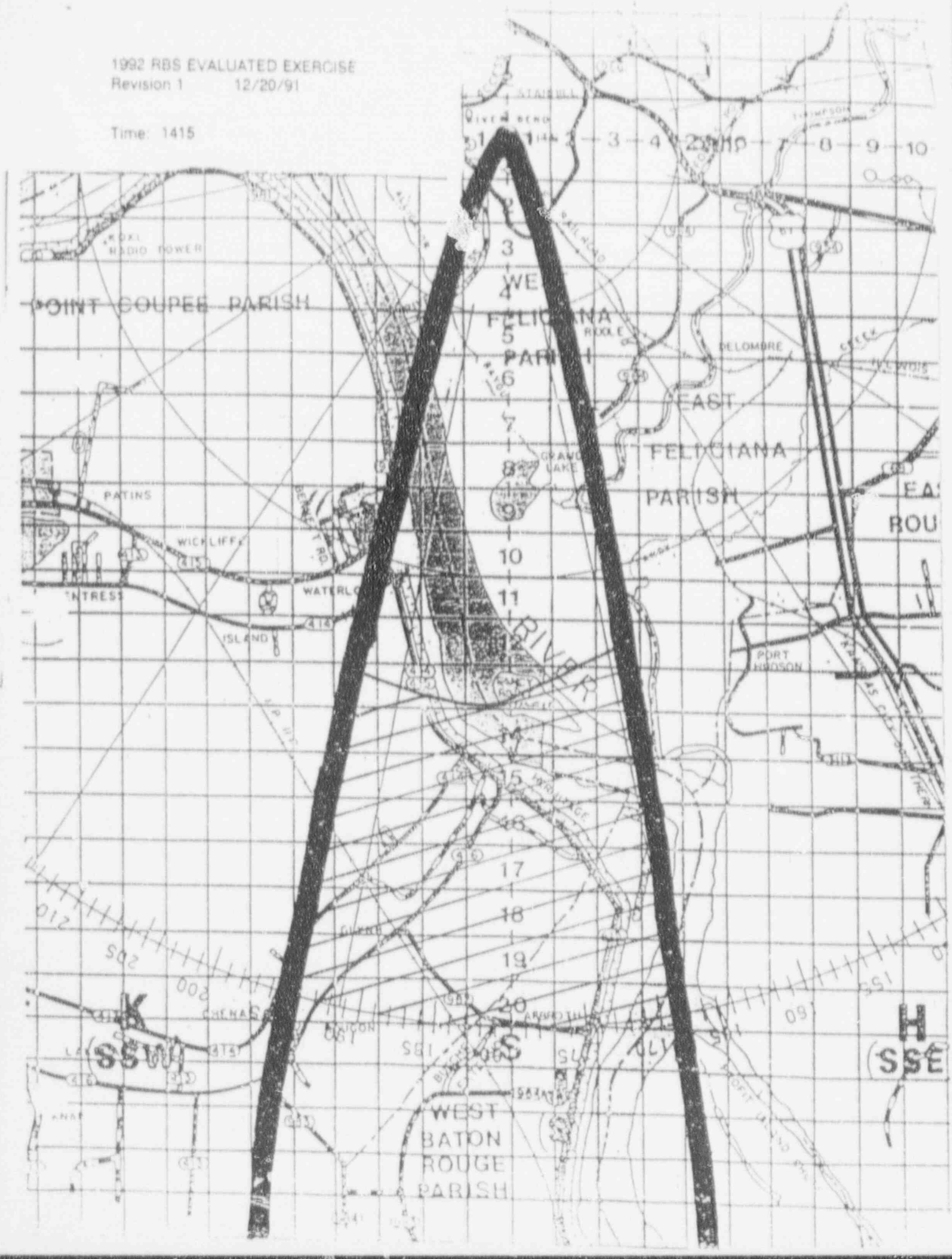

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Revision 1 12/20/91

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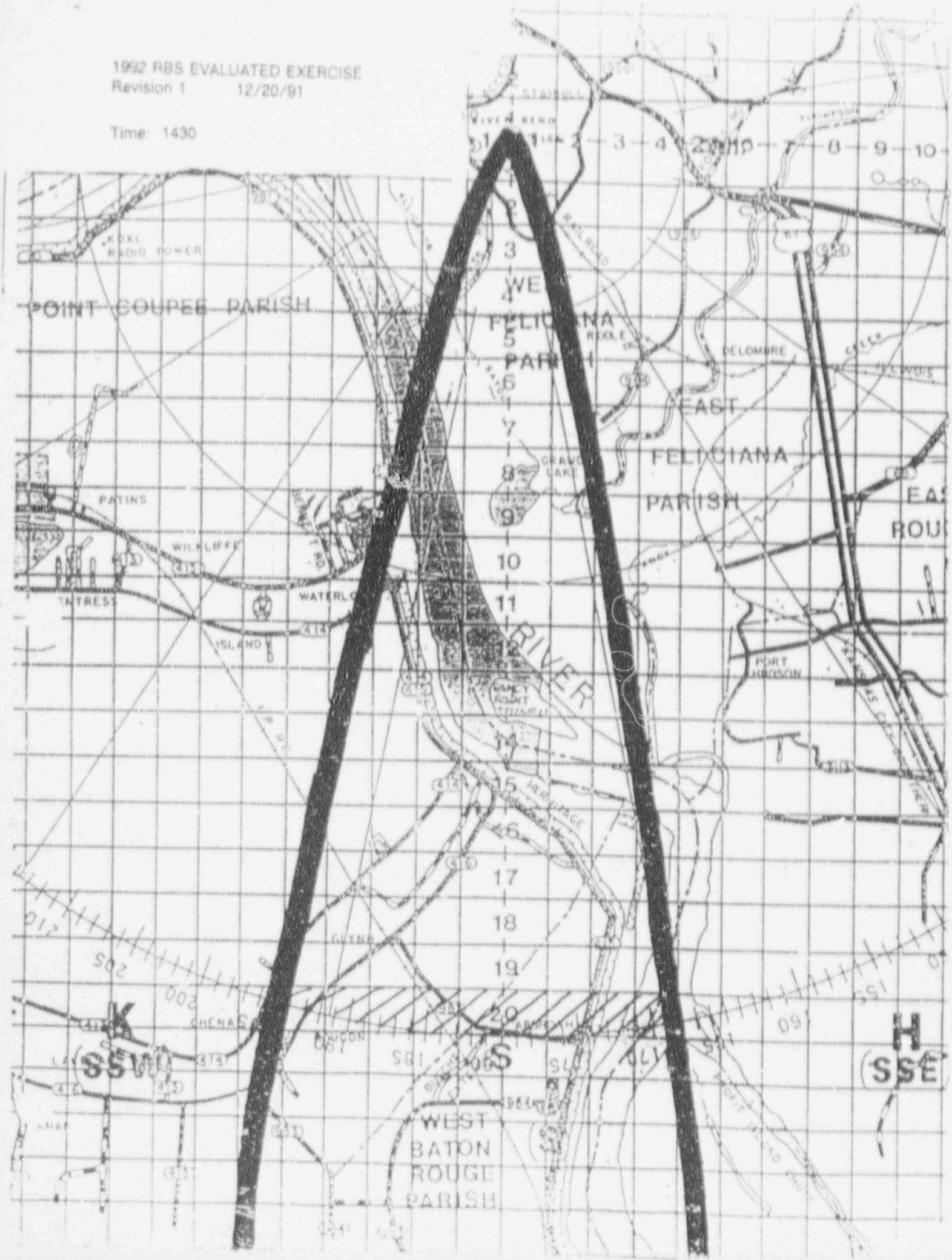

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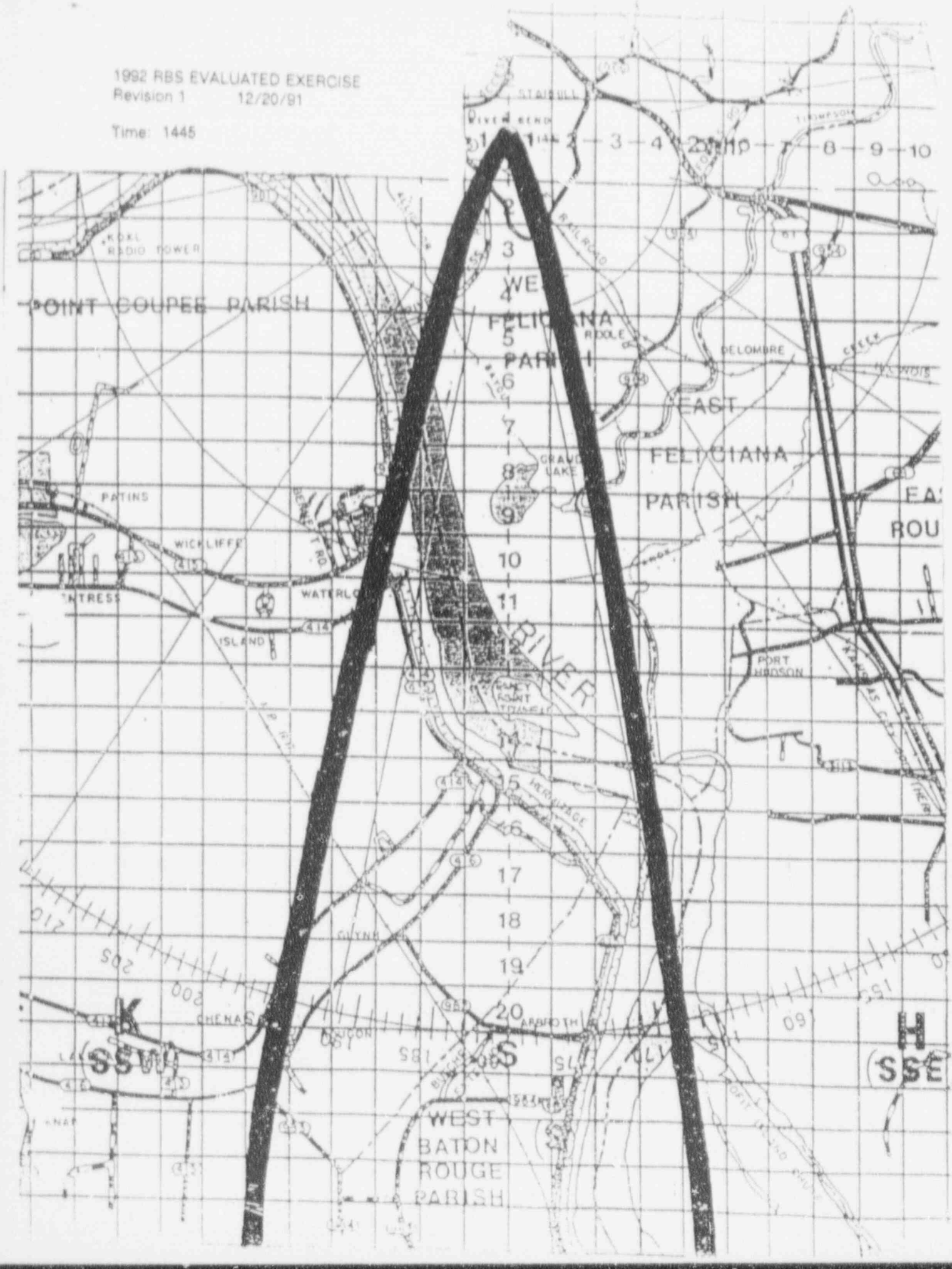

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Revision 1 12/20/91

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