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Section IV F.2

BOSTON EDISON
Pilgrim Nuclear Power Station
Rocky Hill Road
Plymouth, Massachusetts 02360

Roy A. Anderson
Senior Vice President - Nuclear

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Subject: 1992 NRC Evaluated Exercise Scenario Submittal

Enclosed is Boston Edison's scenario package for the scheduled May 28, 1992, NRC Evaluated Exercise for Pilgrim Nuclear Power Station. The enclosures adhere to FEMA's Guidance Memorandum EX-3, dated February 26, 1988, that stipulates the exercise scenario be submitted at least 60 days in advance of the exercise. The scenario package includes:

- Scope and Objectives
- Schedules
- Contingency & Simulation Information
- Controller and Player Information
- Exercise Rules
- Radiation Levels & Release Rates
- Data/Messages (Plant, Radiochemistry, Radiological)

If you have questions or require additional information, please contact Mr. David Landahl, Emergency Preparedness Onsite Division Manager, 118 Long Pond Road, Plymouth, MA 02360, telephone (508) 747-9454.

R.A. Anderson

Enclosures

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cc: Mr. E. B. McCabe, Chief (2 copies)
Emergency Preparedness Section
United States Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19405

Mr. R. B. Eaton, Project Manager - w/o
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation
Mail Stop: 14D1
U. S. Nuclear Regulatory Commission
1 White Flint North
11555 Rockville Pike
Rockville, MD 02852

U. S. Nuclear Regulatory Commission - w/o
Region I
475 Allendale Road
King of Prussia, PA 19406

Senior NRC Resident Inspector - w/o
Pilgrim Nuclear Power Station

BOSTON EDISON COMPANY
PILGRIM NUCLEAR POWER STATION
NRC EVALUATED EXERCISE
92-05-B

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BOSTON EDISON COMPANY
PILGRIM NUCLEAR POWER STATION
NRC EVALUATED EXERCISE
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1.0 INTRODUCTION

1.1 SCHEDULE

A. Controller Briefing

Date: Tuesday, May 26, 1992
Time: 0900 - 1600 hours
Place: Emergency Operations Facility (EOF)

B. NRC/Observer Briefing

Date: Wednesday, May 27, 1992
Time: 1300 - 1500 hours
Place: Emergency Operations Facility (EOF)

C. Exercise

Date: Thursday, May 28, 1992
Time: Unannounced

D. Exercise Critique

Date: Friday, May 29, 1992
Time: 0900 - 1100 hours
Place: Chiltonville Training Center
Conference Rooms 6A and 6B

E. Participants

All designated PNPS personnel assigned to the following locations:

- Control Room (CR)
- Control Room (Simulator)
- Technical Support Center (TSC)
- Operations Support Center (OSC)
- Emergency Operations Facility (EOF)
- Technical Assessment Group (TAG)
- Media Center (MC)
- Corporate Information Center (CIC)
- Station Security
- Town and Commonwealth 24 Hr Notification Points
- Massachusetts Emergency Management Agency (MEMA) and Massachusetts Department of Public Health (MDPH) Representatives in the PNPS EOF

1.2 SCOPE AND OBJECTIVES

1.2.1 EXERCISE SCOPE

- The 1992 Pilgrim Nuclear Power Station (PNPS) Emergency Preparedness Exercise, to be conducted on May 28, 1992 will test and provide the opportunity to evaluate the Boston Edison Emergency Plan and Emergency Plan Implementing Procedures. It will also test the emergency response organization's ability to assess, identify, classify and respond to emergency conditions and take appropriate actions to protect the health and safety of the public. In most cases, participants in this Exercise vary from those who participated on December 12, 1991.

- The scenario will simulate a sequence of events resulting in a potential radiological accident. The scenario has been developed to provide a more realistic sequence of events allowing for maximum "free play" and decision making on the part of the PNPS Emergency Response Organization (ERO).

- The Exercise will limit the events that test the effectiveness of the integrated capabilities of Boston Edison's Emergency Response Organization with the Commonwealth and local governments to protective action decision making related to emergency action levels and communication capabilities.

- The Exercise will also incorporate the Station's semi-annual health physics drill.

1.2.2 ONSITE OBJECTIVES

A. Exercise Planning

1. Conduct an exercise of the Pilgrim Nuclear Power Station Emergency Plan (EP-AD-200, A.1).

2. Provide an opportunity for the Commonwealth of Massachusetts and the Towns of Carver, Duxbury, Kingston, Marshfield, Plymouth, Bridgewater, and the City of Taunton to partially participate in an exercise (EP-AD-200, A.2).

3. Prepare an exercise information package to include:

   a. The objectives of the exercise and appropriate evaluation criteria.
   b. The date, time period, place and a list of participating organizations.
   c. The sequence of simulated events.
   d. The time schedule of real and simulated initiating events.
   e. The narrative summary (EP-AD-200, A.3).

A. Exercise Planning (Continued)

4. Conduct a critique of the exercise (EP-AD-200, A.4).

5. Write the exercise report (EP-AD-200, A.4).

6. Identify open items (EP-AD-200, A.5).

B. Emergency Organizations, Support and Resources

1. Demonstrate the prompt activation, adequacy of the staffing and activation, as appropriate, of emergency response facilities as follows:

   - o Control Room (CR) (Simulator)
   - o Technical Support Center (TSC)
   - o Operations Support Center (OSC)
   - o Emergency Operations Facility (EOF)
   - o Technical Assessment Group (TAG)
   - o Corporate Information Center (CIC)
   - o Media Center (MC) (EP-AD-200, B.1)

2. Demonstrate the capability of the PNPS Emergency Response Organization to implement their Emergency Plan Implementing Procedures (EP-AD-200, B..2).

3. Demonstrate the ability of the Emergency Director to provide overall direction, including "command and control" by initiating, coordinating and implementing timely and effective decisions during a radiological emergency (EP-AD-200, B.3).

4. Demonstrate the ability to effectively transfer command and control of emergency response functions from the Control Room to the EOF (EP-AD-200, B.4).

5. Demonstrate the ability to control access to emergency response facilities (EP-AD-200, B.7).

6. Demonstrate the ability of corporate personnel to augment and support the plant staff (EP-AD-200, B.12).

7. Demonstrate the ability to notify on-call emergency response personnel and document acceptable response times (EP-AD-200, B.13).

C. Incident Assessment and Classification

1. Demonstrate the availability of methods, equipment, and expertise to make rapid assessments of the consequences of any radiological hazards, including the dispatch and coordination of Radiation Monitoring Teams (RMT) (EP-Ad-200, C.1).

C. Incident Assessment and Classification (Continued)

2. Demonstrate the ability to recognize emergency action levels (EALs, and properly classify actual or potential emergencies in accordance with the PNPS Emergency Plan Implementing Procedure EP-IP-100 (EP-AD-200, C.2).

D. Notification and Communications

1. Demonstrate the ability to develop and notify offsite emergency organizations within 15 minutes of each emergency classification at PNPS (EP-AD-200, D.1).

2. Demonstrate the ability to notify the NRC of any emergency classification within one hour of the declaration (EP-AD-200, D.2).

3. Demonstrate the ability to notify PNPS Emergency Response Organization personnel (EP-AD-200, D.3).

4. Demonstrate the ability to develop and send timely information messages for offsite authorities (EP-AD-200, D.4).

5. Demonstrate the communications capability among the Control Room, TSC, OSC, EOF, TAG, CIC and Media Center (EP-AD-200, D.5).

6. Demonstrate the adequacy of communications capabilities between PNPS and the Radiation Monitoring Teams (EP-Ad-200, D.8).

7. Demonstrate the operability of communication equipment between the PNPS Control Room, EOF and NRC Region I (ENS) (EP-AD-200, D.10).

E. Radiological Consequence Assessment

1. Demonstrate methods and techniques for determining the source term or releases or potential releases of radioactive material (EP-AD-200, E.1).

2. Demonstrate the ability to continuously monitor and control emergency worker radiation exposure, and implement exposure guidelines as appropriate (EP-AD-200, E.4).

F. Public Information

1. Demonstrate the operations of the Media Center and the availability of space for the media (EP-AD-200, G.1).

2. Demonstrate the ability to brief the media in a clear, accurate and timely manner (EP-AD-200, G.2).

3. Demonstrate the ability to establish and operate rumor control in a coordinated fashion (EP-AD-200, G.4).

G. Recovery Operations

1. Demonstrate the availability of procedures to support reentry and recovery:

   a. De-escalation/termination from the emergency phase, and transition to the recovery phase.
   b. Inform the Commonwealth of the opportunity to reduce the need for protective actions (EP-AD-200, H.1).

2. Demonstrate the availability of corporate and technical support for planning and reentry/recovery operations (EP-AD-200, H.3).

H. Other

1. Demonstrate the availability of personnel to carry out in-plant assignments, as required, by the Nuclear Operations Supervisor (NOS) in the Control Room, prior to TSC/OSC activation (Exercise Inspection 50-293/91-28, 4.1).

2. Demonstrate a formal process for the assignments and prioritization of TSC tasks, duties, and responsibilities by the Emergency Plant Manager (Exercise Inspection 50-293/91-28, 4.2).

3. Demonstrate the ability to effectively coordinate reentry teams from the OSC (Exercise Inspection 50-293/91-28, 4.3).

2.0 GUIDE.INES

2.1 GENERAL GUIDELINES

In the development of an accident sequence which is severe enough to adequately test the emergency response capabilities of participating organizations, it is necessary tc postulate extremely unrealistic situations and multiple failures of redundant reactor protection functions and systems.

The objective of this Exercise is to demonstrate the ability of the participating organizations to protect the public, and appropriately respond to this highly improbable sequence of events.

Emergency response actions during the simulated emergency will include recognition and classification of emergency conditions, assessment of onsite/offsite radiological consequences, alert/notification and mobilization of emergency response organizations, activation/operation of emergency response facilities and equipment, implementation of in-plant corrective actions, preparation of reports, messages, and recordkeeping, and recommendation of protective actions.

The conduct of the Exercise will demonstrate the effectiveness of organizations, personnel, emergency response functions, and PNPS Emergency Plan and Implementing Procedures.

The Control Room Simulator and the Emergency Operations Facility are the central points for distribution of exercise messages. Simulated plant parameters will be provided to the control room operators using messages and plant data sheets should the simulator fail. Radiological and meteorological data presented in Sections 8.0 is not provided to players automatically, but is distributed by controllers when players demonstrate the capability to obtain that 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 Exercise Controller may interject other information or change a message to ensure that the Exercise progresses as planned.

The contingency messages are to be delivered to the designated players upon completion of a specific action or accomplishment of certain previously specified criteria. The information contained in the controller notes in Section 6.0 and information in Sections 7.0 and 8.0 are for use by Observer/Controllers only and is to be disseminated to players only when the ability to obtain the information from actual sources is demonstrated.

2.1 GENERAL GUIDELINES (Continued)

The Exercise Players are expected to "free play" the scenario to the extent practical. Notifications of, and contact with, supervisors, plant management, and corporate management will be made in accordance with the corporate and site implementing procedures.

Since it is required that the emergency Exercise test offsite emergency activities it was necessary to postulate non-credible situations. The Players should accept the Exercise Messages as written. If corrective actions could be postulated that would terminate the emergency, they should be identified by the Players to the Lead Facility Controller so that credit can be given for postulated actions.

Notifications of, and communications with, offsite agencies, including the NRC, will be made in accordance with appropriate implementing procedure, unless otherwise directed by the lead facility controller. The Plant Emergency Alarm shall be sounded and site-wide announcements shall be made as appropriate to the development of the Exercise scenario. If directed by these announcements, a site evacuation will be performed.

The postulated accident conditions will result in a simulated radiological release which necessitates the consideration of protective actions for plant personnel and the general public. Meteorological conditions may be varied throughout the exercise.

Participants will perform appropriate radiological monitoring and dose assessment activities. Onsite BECo emergency response personnel shall use required protective clothing, if appropriate.

Participation by BECo onsite personnel directly involved in responding to an emergency shall be carried out to the fullest extent possible, including the deployment of radiological monitoring teams, emergency repair teams, and other emergency workers.

Due to time and logistical constraints, it will be necessary to accelerate certain parameters, data and events that pertain to fuel damage. If required by the scenario, reactor coolant and/or containment atmosphere "grab" samples will be obtained and analyzed utilizing the Post Accident Sampling System (PASS) (simulated). However, resulting data will be simulated through the appropriate controller.

Since there are several offsite segments of the Exercise that depend on proper messages between the Control Room, TSC, OSC, and EOF, notification messages between these contact points will be reviewed by the Controller/Evaluators prior to their issuance. The Controller/Evaluator may inject other information or change a message to ensure that the Exercise progresses as planned. Only Lead Facility Controllers can modify Exercise Messages or initiate Free Play Messages.

2.1.1 EVALUATION AND CRITIQUE

The Exercise will be observed by Controllers/Evaluators who have the qualifications to evaluate the activity in their assigned locations. Evaluation of the Exercise will be based on the requirements contained in the Emergency Plan and Implementing Procedures. Controller/Evaluators will prepare evaluation forms and provide recommendations on corrective actions to the Lead Exercise Controller.

Immediately following the Exercise, the Exercise Coordinator will conduct a Lead Controller de-briefing. Negative and positive items will be identified for inclusion in the Exercise Report.

2.1.2 EXERCISE REPORT

An Exercise Report shall be issued in accordance with the Emergency Plan and Departmental Administrative Procedures for review within 30 working days following the exercise.

The designated report reviewer(s)/author(s) will determine whether any deficiencies and/or corrective actions are required. Approval of identified corrective actions are required.

2.2 PARTICIPANT/OBSERVER GUIDELINES

2.2.1 PLAYER INSTRUCTIONS

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 Observer/Controller. Those actions that are to be simulated must be brought to the attention of the Observer/Controller to ensure that credit is awarded. Observation of response actions taken is mandatory for credit to be given for demonstration of an objective. Players are requested to observe the following guidelines:

- Maintain a serious attitude throughout the Exercise; this is especially true late in the Exercise or when activity is limited.

- Be courteous and professional at all times.

2.2.1 PLAYER INSTRUCTIONS (Continued)

- Identify yourself by name and function to the Observer/ Controller.
- Elements of Exercise play will be introduced through use of controlled Exercise messages and information generated by Players as a result of the particular Emergency activity performed. Therefore, be responsible for initiating actions in accordance with instructions and your responsibilities.
- Communications should be concise and formal; always include "This is a drill."
- Use and demonstrate knowledge of the Emergency Plans and Implementing Procedures.
- Use all resources and equipment available, as you would in an actual emergency.
- Remember, one of the main purposes of an Exercise is for you, the player, to assure yourself that you are adequately prepared; areas for improvement or lessons learned, when identified, will improve your overall emergency preparedness; marked-up procedures or action items can be sent to Dave Landahl, Onsite Emergency Preparedness Division Manager, 118 Long Pond Road, or call 747-9454.
- CONTROLLERS serve an active role in the Exercise by providing messages or instructions to the participants. They may also serve to initiate certain actions to assure continuity of the events described in the Exercise scenario. They also serve as EVALUATORS.
- EVALUATORS will be noting all actions, both positive and negative. They will be the main source of input to the BECo critique.
- NRC Evaluators will be critiquing the Exercise and the performance of the participants.
- Play out all actions, as much as possible, in accordance with the Emergency Plan and Procedures as if it were a real emergency.

2.2.1 PLAYER INSTRUCTIONS (Continued)

- Identify your actions to the Controller, speak out loud, identifying your key actions and decisions to the Controllers and Federal Evaluators. This may seem artificial, but it will assist in the evaluation process and is to your benefit.

- Any messages transmitted over communication lines or radios shall be preceded and followed by the statement that "This is a Drill".

- You should play as if radiation levels are actually present, in accordance with the information you have received. Unless otherwise specified, this will require normal radiological control measures including the wearing of protective clothing.

- Non-participants are exempt from acting on radiation levels specified for the emergency Exercise. However, normal radiological control practices shall be followed throughout the course of the Exercise.

- Several plant and radiological parameters will be available upon request at any time or at predetermined times during the Exercise. These plant parameters will be available in the Control Room.

- Only selected parameters and readings will be provided. The selected information will be sufficient to make decisions in accordance with BECo plans and procedures.

- DO NOT BECOME OVERLY CONCERNED WITH THE MECHANICS OF THE REACTOR OR THE CAUSE OF THE ACCIDENT. THIS EXERCISE IS DESIGNED TO TEST BECo PLANS AND PROCEDURES AND IS NOT CONCERNED WITH ESTABLISHING THE PROBABILITY, FEASIBILITY OR DETAILED MECHANICS OF THE SIMULATED ACCIDENT.

- There will be one or more Controllers at each important location. Controllers will provide information and clarification on which actions are to be simulated or are outside the scope of this Exercise in order to keep the Exercise progressing in accordance with the scenario. Controllers will also observe all aspects of the Exercise to prepare an in-house evaluation of plans, procedures and training.

2.2.1 PLAYER INSTRUCTIONS (Continued)

- Any participants outside the Media Center or plant property who encounter members of the news media during the Exercise should avoid responding to any questions regarding the simulated events or the success of the Exercise. All press inquiries should be directed to the Media Center at Memorial Hall, in Plymouth.

- Do not take actions that would result in actual alterations of valve and switch positions in response to scenario simulations. Any event or operation outside the scenario that results in an actual or potential danger to plant operation or safety will take precedence over Exercise activity.

- Any BECo motor vehicle response to this Exercise, will observe all normal motor vehicle operating laws including posted speed limits, stop lights/signs, one way streets, etc.

- Should any onsite security actions be required in response to this Exercise, Exercise Participants are to cooperate as directed by the Security Force; Security representatives are to be prudent and tolerant in their actions.

- While Exercise participants are to inject as much realism into the Exercise as possible, the safety of the plant and personnel shall not be jeopardized.

2.2.2 OBSERVER GUIDELINES

- Observers should not participate in the Exercise nor interfere in the actions taken by the Exercise Participants, Controllers or Evaluators. Questions should be directed to Controllers, not participants.

- The event times and scenario are confidential and should be kept so during the Exercise. Do not discuss these with the participants.

- Identification badges/arm-bands/etc. are to be worn visibly by the Observers. Identification devices should be returned at the end of the Exercise or critique. Identify yourself to the Exercise Controllers.

- Observers should enter emergency facilities via their main entrance and check in with security personnel.

- Observers requiring emergency facility access during the Exercise should contact Dave Landahl, Boston Edison Onsite Emergency Preparedness Division Manager, 118 Long Pond Road, or call 747-9455 two (2) weeks prior to the Exercise.

2.3 CONTROLLER GUIDELINES

2.3.1 GENERAL INFORMATION

Each Controller/Evaluator should be familiar with the following:

- The basic objectives of the Exercise.
- The assumptions and precautions being taken.
- The Exercise scenario, including the initiating events and the expected course of action to be taken.
- The various locations that will be involved and the specific items to be observed at those locations.
- The evaluation checklists provided herein.

2.3.2 PRECAUTIONS AND LIMITATIONS

This section provides guidance for all Exercise Controllers and Evaluators for the conduct of this Exercise. Prior to initiation of the Exercise, a briefing will be held to review the entire Exercise process with all the exercise Controllers/Evaluators identified in this manual.

- 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/Evaluator 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 will notify all other Controllers/Evaluators to suspend all Exercise activities. The Lead Exercise Controller will make a determination at that point whether to continue, place a temporary hold on, or terminate the exercise.
- Should, at any time during the course of the conduct of this exercise, an Exercise Controller/Evaluator witness an exercise participant undertake any action which would, in the opinion of the Controller/Evaluator, place either an individual or component in an unsafe condition, the Controller/Evaluator is responsible for intervening in the individual's actions and terminating the unsafe activity immediately. Upon termination of the activity, the Controller/Evaluator is responsible for contacting the Lead Exercise Controller and informing him of the situation. The Lead Exercise Controller will make a determination at that point whether to continue, place a temporary hold on, or terminate the exercise.

2.3.2 PRECAUTIONS AND LIMITATIONS (Continued)

- Manipulation of any plant operating system, valves, breakers, or controls in response to this Exercise are only to be simulated. There is to be no alteration of any plant operating equipment, systems, or circuits during the response to this exercise.

- No pressurization of fire hoses, discharging of fire extinguishers, or initiation of any fire suppression systems will be required for the exercise.

- All repair activities associated with the scenario will be simulated, with extreme caution emphasized around operating equipment.

- 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/Evaluator witness an exercise participant not observing this practice, it is the Controller/Evaluator's responsibility to remind the individual of the need to follow this procedure.

- Any BECo motor vehicle response to this Exercise, should observe all normal motor vehicle operating laws including posted speed limits, stop lights/signs, one way streets, etc.

- Should any onsite security actions be required in response to this Exercise, Exercise participants are to cooperate as directed by the Security Force, and security representatives are to be prudent and tolerant in their actions.

- Exercise participants are to inject as much realism into the exercise as is consistent with its safe performance; however, caution must be used to prevent over-reaction.

- Care must be taken to prevent any non-participating individuals who may observe Exercise activities from believing that an actual emergency exists. Any Exercise Controller/Evaluator 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.

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

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

2.3.3 CONTROLLER/EVALUATOR INSTRUCTIONS

- Controller/Evaluators will position themselves at their assigned locations 30 minutes prior to the activation of the facility for which they have responsibility.

- Controller Communications 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 Controller/Evaluators will comply with instructions from the Lead Exercise Controller.

- Each Controller/Evaluator 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 Facility/Functional Area Controller.

- Messages controlling the progress of the scenario are noted with a number and the facility designator. Contingency messages are noted with a number followed by the facility designator and the letter "X" (e.g., 1-CRX). Contingency messages are only delivered if certain conditions indicated on the message are met.

- Each onsite Controller/Evaluator will have copies of plant data sheets. Data sheets will be distributed only in the Control Room should the simulator fail.

- Controller/Evaluators 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 judgment in determining response actions and resolving problems.

- Some Players may insist that certain parts of the scenario are unrealistic. The Lead Controller/Evaluators have the sole authority to clarify any questions regarding scenario content.

2.3.4 EVALUATION INSTRUCTIONS/PACKAGES

Each Controller/Evaluator will take detailed notes regarding the progress of the Exercise and response of the Exercise participants at their assigned locations. Each Controller/Evaluator should carefully note the arrival and departure times of participants, the times when major activities or milestones occur, and problem areas encountered.

2.3.4 EVALUATION INSTRUCTIONS/PACKAGES

The standards below should be used by the controller to evaluate assigned areas pertaining to the emergency response. A dual purpose will be served by this rating system. First, the capability of each facility or response area will be evaluated and second, the system will provide a vehicle for guiding and directing improvement. The rating scale is as follows:

Satisfactory - Personnel and equipment performed as required. Any errors or problems were minor and easily correctable.

Marginal - Personnel and equipment generally performed as expected. Any errors noted were not severe and could be corrected without undue labor or expense.

Unsatisfactory - Personnel and equipment generally performed below expectations and there were several significant deficiencies noted. The area's ability to carry out its functions was diminished.

NA - Not applicable to the situation or not observed.

NO - Not Observers

2.3.5 EVALUATION COMMENTS

Controller/Evaluator comments should consider the demonstration of the following facility and team evaluation elements:

Facilities

- Command and Control
- Accurate and timely determination of emergency action levels.
- Timely activation and staffing of each emergency facility.
- Familiarity of personnel with appropriate emergency instructions, duties and responsibilities.
- Timely notification of plant, corporate, local, Commonwealth and Federal personnel/agencies (information updates performed).
- Adequacy of internal information systems (i.e., message handling, displays, status boards and maps).
- Properly controlled documentation and accurate, timely record keeping.

2.3.5 EVALUATION COMMENTS

- Utilization of correct communications procedures and techniques.
- Capability of facility supervisor/directors to interface with personnel and coordinate facility activities.
- Adequacy of interface between emergency response facilities.
- Adequacy of equipment and supplies.
- Timely initiation of onsite protective/corrective actions.
- Development of protective action recommendations.
- Radiological surveys and assessment of plant damage and hazardous conditions performed.
- Timely request of emergency support services.
- Coordinated, accurate and orderly dissemination of information to the news media.

Teams

- Timely notification and activation.
- Adequacy of staffing.
- Familiarity with appropriate emergency procedures, duties and responsibilities.
- Availability and utilization of proper equipment.
- Performance of contamination/decontamination control.
- Proper interface with emergency support personnel.
- Utilization of correct communications instructions and techniques.
- Availability of reference documents to team members.
- Utilization of proper radiological control practices (i.e., access control, protective clothing, shielding, stay time).
- Performance of radiological surveys.
- Timely and proper performance of damage assessment.

2.3.5 EVALUATION COMMENTS (Continued)

- Properly maintained survey records and maps.
- Adequacy of briefing sessions prior to dispatch.
- Direction and control by team leaders.
- Timely requests for offsite assistance.
- Coordination and interface between emergency response team members.
- Proper interface with plant supervisory personnel.

Controllers/observers will record their comments for the purpose of reconstructing the exercise chronology and preparing a written evaluation of the exercise.

2.3.6 EVALUATION PACKAGES

The following Evaluation packages are to be used by the appropriate Controllers/Observers to evaluate the 1992 NRC Exercise:

Control Room (Simulator)
Technical Support Center
Operations Support Center
Environmental Monitoring Team
Onsite Monitoring Team
Emergency Operations Facility
Media Center
Technical Assessment Group
Radiation Monitoring Teams
Security
Corporate Information Center

2.3.7 EVALUATION PROCESS

All evaluators shall maintain an Exercise chronology. This chronology shall be of sufficient detail to enable subsequent completion of the appropriate evaluation form. It should contain a synopsis of significant exercise events, actions taken (or not taken) by players, questions noted, and positive as well as negative assessments made by the evaluator. This chronological record may be used to corroborate critique items that are questioned by participants.

Each Evaluator shall also complete an evaluation form for the facility or function to which he (she) is assigned.

2.3.7 EVALUATION PROCESS (Continued)

Each Lead Controller shall de-brief the evaluators for whom he/she is responsible and compile an Exercise Evaluation Report Sheet for the facility. This Evaluation Report Sheet shall reflect an overall assessment of the performance of that facility, and in five (5) specific categories. Significant weaknesses or deficiencies shall be itemized in the "Report" section to ensure adequate follow-up attention is devoted to resolution of the problem. Significant positive items should be included here as well.

The formal Post-Exercise Critique shall be conducted by the Exercise Coordinator, with each Lead Controller providing an evaluation of his/her facility.

BOSTON EDISON COMPANY
PILGRIM NUCLEAR POWER STATION
NRC EVALUATED EXERCISE
92-05-B

2.3.8 CONTROLLER ASSIGNMENTS

Area of Responsibility	Name
LEAD CONTROLLER	Jerrie Morlino
SIMULATOR	
	Kelly Walker
	Leo Nichols
	Tom Beneduci
	Kathie Arendt
CONTROL ROOM (CR)	
LEAD CONTROLLER	To Be Determined
TECHNICAL SUPPORT CENTER (TSC)	
LEAD	Paul Cafarella
	Nancy Desmond
	Bill O'Keefe
OPERATIONS SUPPORT CENTER (OSC)	
LEAD	Don Pierce
Mechanical	Fran Coulstring
Mechanical	Al Hester
I&C	Ken Johnson
I&C	Joe Freeman
Electrical	Don Carpeno
Electrical	Robert Bumpus
RP	Mike Christopher
RP	
Chemistry	Lisa Sabard
EMERGENCY OPERATIONS FACILITY (EOF)	
LEAD	Dave Landahl
Dose Assessment	Scott McCain
Communications	Doug Sukanek
Logistics	John Waters
RMT Team	
RMT Team	
RMT Team	
Security	John McEachern
Public Information	

2.3.8 CONTROLLER ASSIGNMENTS (Continued)

Area of Responsibility	Name
TECHNICAL ASSESSMENT GROUP (TAG)	
LEAD	Dave Long
MEDIA CENTER (MC)	
LEAD	T. Kelley
CORPORATE INFORMATION CENTER (CIC)	
LEAD (20th Floor)	
Media Monitor	
Phone Team	
Controller	

2.4 EXERCISE ORGANIZATION AND FACILITIES

2.4.1 Exercise Organizations

The organization for this exercise will consist of the Lead Exercise Controller, the Controller/Evaluators, the Exercise Players, and the Observers, as follows:

A. Lead Exercise Controller

The Lead Exercise Controller is responsible for the conduct of a successful Exercise and will coordinate Exercise preparations including the development of the scenario and messages. The Lead Exercise Controller will ensure the safe conduct of the Exercise and is responsible for resolution of any scenario-related interfacility questions, as well as the assurance that the conduct of the Exercise does not adversely impact the operation of the station. The Lead Exercise Controller will coordinate the preparation of a consolidated evaluation package and prepare an itemized list of corrective actions recommended as a result of the evaluation and critique.

B. Controller/Evaluators

The Controller/Evaluators are personnel selected to deliver Exercise Messages to designated players at specific times and places during the Exercise. They will inject or deliver additional messages, as may be required, to initiate appropriate player response to keep the Exercise action moving according to the scenario and to ensure the demonstration of all Exercise objectives. The Controller/Evaluators will be briefed on the instructions contained in this Exercise Manual.

As Controller/Evaluators, they are assigned to observe the Exercise and to judge the effectiveness of selected organizations, personnel, functions, and activities in response to the simulated emergency situation. Selection of Controller/Evaluators is based on their expertise and qualifications to evaluate an assigned activity or area. They will record their observations using an evaluation form and provide recommendations on corrective actions to the Lead Exercise Controller prior to the scheduled critique. They will evaluate Exercise performance on the basis of standards or requirements contained in the PNPS Emergency Plan, Emergency Operations Procedures (EOP's) and the associated Implementing Procedures. They will take steps, whenever possible, to collect data on the time-and-motion aspects of the activities observed for post-Exercise use in designating and implementing system improvements. A Lead Controller/Evaluator is assigned to each emergency response facility. Each Lead Controller/Evaluator is responsible for all Controller, Evaluator, and Observer activities within that facility.

2.4.1 EXERCISE ORGANIZATIONS (Continued)

C. Exercise Players

The Players include BECo personnel assigned to perform emergency functions as described in the Emergency Plan and Implementing Procedures. Players from offsite organizations and agencies (Commonwealth and local) are participants as they would be during an actual emergency situation.

The success of the exercise is largely dependent upon player reaction, and knowledge of the Emergency Plans and Implementing Procedures, and an understanding of the Exercise objectives. Initial conditions will be provided by Controller/Evaluators as appropriate. The Exercise Players are responsible for initiating actions during the Exercise in accordance with procedures, responsibilities, and tasks outlined for their particular function in the Emergency Plan and Implementing Procedures. Each Exercise Player will advise their Controller/Evaluator prior to simulating required emergency actions to ensure that credit is awarded.

Exercise Players should not to be excessively concerned with the mechanics of the scenario. This Exercise is designed to evaluate the Emergency Plan, the Implementing Procedures, and the emergency preparedness training program, and is not concerned with the probability, feasibility, or detailed mechanics of the simulated accident. Exercise Players should note any needed improvements that come to their attention during the Exercise and submit them to the appropriate Controller/Evaluator at the conclusion of the Exercise.

D. Evaluators

Evaluators include members of the NRC, INPO, or FEMA evaluation teams and they will have prior knowledge of the Exercise scenario. They will observe the Exercise and evaluate the ability to protect the health and safety of the public. The NRC will be present their findings at the post-exercise critique.

E. Observers

Observers from BECo and other organizations may be authorized, on a limited basis, to participate in the Exercise solely for the purpose of observing Exercise activity for personal education. Observers will report initially to the Onsite Emergency Preparedness Division Manager for credential review and authorized admittance. They will be provided with Exercise information as required. Requests to participate as an Observer will be made in writing and contain the Observer's full name, home address and phone number, and organization affiliation. Requests to participate as Observers will be submitted to the Onsite Emergency Preparedness Division Manager no later than two weeks prior to the exercise.

2.4.2 EMERGENCY RESPONSE FACILITIES

During this Exercise, the following PNPS Emergency Response Facilities will be activated to manage, assess and support the response to the simulated emergency radiological.

A. Control Room (CR) (Simulator will be used in lieu of CR)

The Control Room is designated to be habitable under emergency conditions. The Control Room contains those controls, instruments, and communications equipment necessary for operation of plant under both normal and Emergency conditions. The ventilation system, shielding, and structural integrity are designed and built to permit continuous occupancy during the postulated design basis accident.

The Nuclear Watch Engineer (NWE) maintains the responsibility for directing operations in the Control Room. The Control Room is located on the 37' level of the turbine building.

The equipment available in the Control Room provides early warning of a potential emergency situation and provides for a continuing evaluation of the Emergency situation. Meteorological data is available from a meteorological tower which transmits wind speed and direction data to the Control Room. Respiratory protection equipment, anti-contamination clothing, portable survey instruments, counting equipment, tools, and rescue equipment are readily available within the Station.

B. Technical Support Center (TSC)

The Technical Support Center is located within the Protected Area on the first floor of the Administration Building. A separate office area within the Technical Support Center is available for Nuclear Regulatory Commission (NRC) personnel. This office contains telephone communications equipment. The TSC is of sufficient size to accommodate approximately 25 people. The TSC is equipped and staffed to provide expert technical capability to assess plant status and make recommendations on plant operations to the Control Room.

The TSC is activated upon declaration of an Alert, Site Area Emergency, and/or General Emergency. A closed circuit television monitor transmits pertinent instrument readings from the Control Room to the Technical Support Center. This monitor is controlled by TSC personnel and may be used to view instrumentation throughout the Control Room.

2.4.2 EMERGENCY RESPONSE FACILITIES (Continued)

The Emergency Plant Manager responds to the Technical Support Center. Adequate communications with the control room, other emergency facilities and offsite organizations is available. The TSC has dedicated telephone lines between the control room and TSC. Additionally, both the control room and TSC have access to the Station paging system (Gai-tronics) and the Station internal telephone system to further enhance communication. The TSC has direct communication with the Control Room, the EOF, and NRC Headquarters in Bethesda, Maryland, and the Regional NRC Office in King of Prussia, Pennsylvania.

C. Operations Support Center (OSC)

An Operations Support Center has been established in the new Administration Building adjacent to the TSC. The Operations support function is to provide personnel (non-Control Room shift personnel) in support of emergency re-entry/repair teams. The OSC Supervisor is responsible to the Shift Supervisor and/or the Emergency Plant Manager. Direct communication with the Technical Support Center is possible. Necessary equipment is available throughout the Station and may be accessed by personnel assigned to the OSC.

D. Emergency Operations Facility (EOF)

The EOF is located in the basement of the Sheriff's facility on the grounds of the Plymouth County House of Correction in Plymouth, approximately four (4) miles west of Pilgrim Station. The EOF is a BECo controlled and operated facility. During an emergency, the EOF is staffed and equipped to provide the overall BECo emergency response; coordination of radiological and environmental assessment; development of protective action recommendations for the general public; and coordination of emergency response activities with Federal, Commonwealth and local agencies. Security personnel will be assigned to control EOF access.

The EOF consists of the Operations Room, the Communications Room, conference rooms and several office areas. In addition to the pre-designated BECo staff, the EOF has space to accommodate nine (9) NRC representatives as well as representatives from FEMA, MDPH and Massachusetts Emergency Management Agency (MEMA) and key local authorities. If necessary, the EOF may be used to accommodate outside technical support groups and elements of the Recovery Center staff.

2.4.2 EMERGENCY RESPONSE FACILITIES (Continued)

D. Emergency Operations Facility (EOF) (Continued)

The primary function of the EOF is to provide management of the overall emergency response to any event at an Alert or higher classification. The EOF provides radiological and meteorological data to assess offsite radiation levels. This information is used by EOF personnel to update/inform the NRC and Commonwealth and local emergency response agencies about conditions potentially affecting the public in accordance with the Emergency Plan.

E. Media Center (MC)

The Media Center is located at the Memorial Hall in Plymouth, approximately five (5) miles northwest of the Pilgrim Station. The Media Center is a joint facility, staffed and operated by Boston Edison Company, MEMA, MDPH, and the five towns located within the ten mile emergency planning zone (EPZ). The primary purpose of the facility is to provide a central location for the coordination of public information prior to its release to the news media. The communications capabilities include standard telephones, ring-down telephone link to the EOF, computer link to the EOF and CIC and telecopy links to all offsite agencies.

The Media Center provides the news media with a single location to receive information about the emergency developments at the Pilgrim Nuclear Station, local, Commonwealth and offsite response. The Center includes work areas for BECo, each offsite agency, and the news media, there is also a briefing area for joint news conferences.

F. Corporate Information Center (CIC)

The Corporate Information Center is located at the Boston Edison Company headquarters in the Prudential Center, Boston, Massachusetts. The primary purpose of the CIC is to provide emergency information to BECo employees, customers and governmental agencies. The emergency teams responsible for rumor control are located at this facility. They include the Public Concern Team (responsible for responding to calls from the general public and the Media Phone Teams (responsible for responding to calls for monitoring the news media reports for rumors or misinformation). The CIC receives information about the emergency from the Media Center and reports rumors, misinformation and trends of inquiries to the Media Center for resolution.

2.4.2 EMERGENCY RESPONSE FACILITIES (Continued)

G. Technical Assessment Group (TAG)

The Technical Assessment Group is located at the BECo Nuclear Engineering Offices in Braintree, MA. The TAG provides technical and engineering support to the TSC staff at Pilgrim Nuclear Power Station. The TAG Coordinator is responsible for coordinating activities, including requests from the TSC. The TAG Coordinator reports directly to the TSC Supervisor. The TAG is equipped with dedicated communications to the EOF, TSC and the Control Room.

2.5 ABBREVIATIONS

Assignment	Name
AC	Alternating Current
A/E	Architect Engineer
EAL	Emergency Action Level
ALARA	As Low As Reasonably Achievable
ADS	Automatic Depressurization System
APRM	Average Power Range Monitor
ARM	Area Radiation Monitor
ATWS	Anticipated Transient Without Scram
BOC	Beginning of Cycle
BWR	Boiling Water Reactor
CAM(s)	Continuous Air Monitor(s)
CAS	Central Alarm Station
CFR	Code of Federal Regulations
CIC	Corporate Information Center
CIV	Combined Intermediate (Intercept) Valve
CIMT	Containment
CST	Condensate Storage Tank
CRD	Control Rod Drive
CV	Control Valve
C/D	Cooldown
CS	Core Spray
CSCS	Core Standby Cooling Systems
CPS	Counts Per Second
DOE	Department of Energy
DG	Diesel Generator
DC	Direct Current
DW	Drywell
EAL(s)	Emergency Action Level(s)
EBS	Emergency Broadcast System
ECCS	Emergency Core Cooling System
ED	Emergency Director
ENS	Emergency Notification System
EOF	Emergency Operations Facility
EPIP	Emergency Plan Implementing Procedure
EPZ	Emergency Planning Zone
EPC	Emergency Planning Coordinator
EPI	Emergency Public Information
EOC	End of Cycle
EPA	Environmental Protection Agency
FEMA	Federal Emergency Management Agency
HP	Health Physics
HEPA	High Efficiency Participate Air (Filter)
HPCI	High Pressure Coolant Injection

2.5 ABBREVIATIONS (Con't.)

Assignment	Name
HPN	Health Physics Network
HVAC	Heating, Ventilation, Air Conditioning
INPO	Institute of Nuclear Power Operations
IRAP	Interagency Radiation Assistance Program
IRM	Intermediate Range Monitor
KW	Kilowatt
KI	Potassium Iodide
LCO	Limiting Condition of Operation
LOCA	Loss of Coolant Accident
LPCI	Low Pressure Coolant Injection
LPRM	Local Power Range Monitor
MSIV	Main Steam Isolation Valve
MPC	Maximum Permissable Concentration
M-G	Motor-Generator
NPSH	Net Positive Suction Head
NRC	Nuclear Regulatory Commission
NSSS	Nuclear Steam Supply System
OSC	Operations Support Center
PCIS	Primary Containment Isolation System
PAG	Protective Action Guide
PASS	Post Accident Sampling System
PIO	Public Information Officer
RBCCW	Reactor Building Closed Cooling Water
RMT	Radiation Monitoring Team
RCIC	Reactor Core Isolation Cooling
RECIRC	Reactor Recirculation System
RFP	Reactor Feed Pump
RPV	Reactor Pressure Vessel
RPS	Reactor Protection System
RWCU	Reactor Water Cleanup
RHR	Residual Heat Removal
RPM	Revolutions per Minute
RPIS	Rod Position Information System
SRV	Safety Relief Valve
SAS	Secondary Alarm System
SRO	Senior Reactor Operator
SDV	Scram Discharge Volume
SRM	Source Range Monitor
S/D	Shutdown
SBGT	Standby Gas Treatment System
SBLC	Standby Liquid Control
SJAE	Steam Jet Air Ejector
SV	Stop Valve
TSC	Technical Support Center
TAF	Top of Active Fuel
TIP	Traversing Incore Probe
TBCCW	Turbine Building Closed Cooling Water
TB	Turbine Building
TAG	Technical Assessment Group

1992 PNPS NRC EVALUATED EXERCISE

All facility Lead Controllers are to read the following drill ground rules to their respective facility staff as soon as they are available.

DRILL GROUND RULES

All drill participants are required to observe the following Drill Ground Rules for the entire duration of the drill. If you have any questions, ask your Drill Observer/Controller for clarification.

1. Ensure that all communications indicate that this is only a drill. Make a positive statement that this is a drill related message at the beginning and end of all messages or conversations. If communication lines are kept open for extended periods, periodically repeat the caution. This is especially critical when transmitting messages over communication facilities that are monitored by non-BECo personnel.

2. Take no actions that affect the unit or non-drill related operations.

3. Take immediate action(s) to restore safe operations if an unsafe condition exists. Ignore the drill situation if actual safety becomes a concern.

4. Use only information provided in accordance with the Drill Ground Rules or derived from from approved procedures. Do not improvise information.

5. Express simulations and verifications in spoken words.

PLANT CONDITIONS THE DAY BEFORE EXERCISE

The plant is operating at 60% power and has been operating for the past 199 days. Surveillances in progress include: 8.5.3.11 SSW Valve Operability Test and 8.7.4.4 MSIV Quarterly Operability. Procedures 9.9 Control Rod Scram Time Evaluation and 9.11 Control Rod Pattern Exchange are ongoing. Hydrogen water chemistry is in service.

identified drywell leakage remains constant at 2.1 gpm. High pressure is expected to dominate the area for the next few days. Winds are light from the southeast. A warm clear day is forecast for tomorrow.

NARRATIVE SUMMARY
92-05B

Initial Conditions

Power ascension to 100% is in progress and currently the reactor is operating at 90% power. The plant has been operating for the past 200 days. Main consenser backwash, scram time testing and control rod swap were completed yesterday. Routine surveillances have been completed. Scheduled surveillances include 8.M.2-1.5.1 Main Steam Line Isolation Valve Logic Test A Outboard and 8.M.1.24 Main Steam Line Isolation Valve Logic Channels. The weather is clear and sunny with light winds out of the north-northheast.

Sequence of Events

The exercise is initiated when the plant operating staff recieves indications of excessive unidentified drywell leakage. A radwaste trouble alarm will key plant operators to direct the Radwaste Operator to pump the drywell sumps and determine the time of the last pumpouts. The Control Room Operator is expected to monitor for any inrease in drywell pressure and humidity.

When it is determined that drywell unidentified leak rate is in excess of 5 gpm, an Unusual Event should be declared based on exceeding Technical Specification allowed leak rates (EAL# 3.3.1.1). Actions should be taken to control drywell pressure and to locate and isolate the source of the leak. Any actions to reduce the leak will be unsucessful. As a result, a controlled shutdown should be initiated.

Approximately forty-five minutes after declaration of the Unusual Event, indication will be provided of increasing drywell pressure. Drywell pressure shall increase above the scram setpoint. The reactor shall sucessfully scram and appropriate isolations occur. Actions to control Reactor Pressure Vessel (RPV) water level and pressure should be consistent with Emergency Operating Procedures (EOP-01 and EOP-03). An Alert should be declared based upon the inability to maintain drywell pressure less than 2.5 psig(EAL# 3.4.1.2). Actions to spray the torus should be taken. Once plant conditions

are stabilzed, a controlled cool down to cold shutdown should be initiated. RPV depressurization should be via main steam bypass valves at less than 100 degrees per hour.

Approximately two hours after declaration of the Alert, indication will be provided of the rapid depressurization of the RPV and high main steam line temperatures as the result of a main steam line rupture on the 'A' main steam line outside primary containment. Indications of a Group I isolation (high level/high temperature) signal will be provided however the MAin Steam Isolation Valves (MSIV's) will indicate full open. Attempts to manually isolate the MSIV's will indicate that all but the 'A' main steam line MSIV's closed. A Site Area Emergency should be declared based on either the existence of an unisolable steam leak outside primary containment (EAL# 6.2.2.3) or the inability to immediately isolate any main steam line following a valid Primary Containment Isolation System (PCIS) signal (EAL# 6.2.3.3).

As a result of the main steam line break, a slight increase in Reactor Building Ventilation radiation monitors shall be provided consistent with the brief release of low activity steam into the Turbine Building.

Once plant conditions stabilize, the reactor shall be depressurized. Operators should proceed into shutdown cooling. Actions should be pursued to close the 'A' main steam line MSIV's.

The exercise will be terminated once all exercise objectives have been demonstrated.

1992 PNPS NRC EVALUATED EXERCISE

TIMELINE

Elapsed Time	Event
-0030	Initial conditions established, shift turnover information provided to operations crew. Panel walk-down performed.
-0005	Announcement of the 1992 NRC Evaluated Exercise
0005	Containment boundary leakage alarm indication (C19)
0015	Indication of radwaste trouble alarm.
0037	Radwaste Operator reports drywell sump pumpout information. Declaration of **Unusual Event** based on EAL#3.3.1.1. Actions taken to locate and isolate source of leak.
0045	Actions to initiate controlled shutdown. Trip of 'A' loop RBCCW pump
0125	Indication of high drywell pressure. Reactor scram. Operators enter RPV and Primary Containment Control EOPs. Declare **Alert** based on EAL# 3.4.1.2
0140	Initiate cooldown via main turbine bypass valves. RPV water level maintained via Feedwater/Condensate.
0315	Indication provided of the rapid depressurization of the RPV and high main steam flow. This will be the result of the "A" main steam line rupturing downstream of the outboard MSIV
0335	A **Site Area Emergency** should be declared based on either EAL# 6.2.2.3 or EAL# 6.2.3.3. The site should be evacuated of all non-essential personnel and accountability demonstrated (simulated).

0345	RPV depressurized. Actions taken to get into Shutdown Cooling.
0350	Maintenance teams should be dispatched to attempt closure of 'A' main steam line MSIV's.
0400	Shutdown Cooling in service. 'A' main steam line MSIV's successfully closed.
0430	Terminate exercise if all objectives have been met.

PNPS

Emergency Exercise Simulator Scenario

1992 NRC Evaluated Exercise
92-05B

Scenario Overview:

The exercise begins with the plant at 90% power and the operating crew raising reactor power to 100% when indication of a small leak inside containment develops. Upon investigation, Radwaste reports pumpout information which indicates a leak rate of 10 gpm unidentified. This shall require the declaration of an Unusual Event. The leak later increases to the point where drywell pressure cannot be maintained below the high drywell pressure scram setpoint. This shall require declaration of an Alert. The reactor successfully scrams and ECCS performance is successful. After time is allowed for emergency response facilities to be activated, a main steam line rupture outside primary containment shall cause a rapid depressurization of the RPV. The Group I isolation shall fail. Attempts at manual isolation of the main steam lines shall result in the failure of the MSIV's in one main steam line to close requiring declaration of a Site Area Emergency. The crew should initiate shutdown cooling and pursue getting the unisolated steam line isolated.

Simulator Initialization Conditions:

IC#	48
Reactor Power	90%
Core Flow	60 E 6 lbm/hr
Reactor Pressure	1015 psig
Moderator Temp	T-sat
Reactor Mode Switch	Run
Time in Life	MOC
Rod Position:	
Group	16B
Rod	10-19
Position	48

Malfunctions:

Malf.#	Title
PC-01A(B)	Recirculation system leak (0 - 100 gpm)
MS-01	Steam line break inside containment (0 - 5E5 lbm/hr)
MS-03	MSL rupture outside containment
CW-05A	Trip of 'A' RBCCW loop pump

Remote Functions

RF#	Title
TFA10101	PCIS GP1 bypass (Page 610)

Stylize equipment:

- Override AO-203 1A & 2A to open

Controller Activity	Player Activity	Scenario Notes

Simulator Initialization:

1. Initialize to IC# 48
2. Label TFA10101 PCIS GP1 bypass
3. Override control switches for AO-203-1A & 2A to open

Pre-Exercise Brief

1. Bring crew into simulator.

2. Assign shift positions
   - Nuclear Watch Engineer
   - Nuclear Operations Supervisor
   - Reactor Operator
   - Balance of Plant Operator
   - Spare Operator
   - Shift Technical Operator

3. Distribute watch turnover sheets and state watch turnover conditions to crew
   - Walkdown panels
   - Prepare to assume watch
   - Review turnover sheets
4. Allow time for shift to review plant conditions and scan their panels.
   - Assume the watch

Instructor/IF Operator Activity Sequence	Elapsed Time/ IF Operator Notes	Player Activity	Crew Member Responsible
Initialize to IC# 48 This IC has following preset: GIF page 610 Label TFA10101 PCIS GP1 Bypass Stylize equipment: override AO-203-1A & 2A control switches to open	0000	• Assume watch • Conduct pre-evolution brief • Continue with power ascension	Crew
Malf.#PC-01A @ **10 gpm**	0005	• Respond to resultant C19 alarm	
Cry Wolf: Radwaste Trouble Alarm Panel C2 (C2R-B8)	0015	• Observe rising drywell pressure • Maximize drywell cooling • Request Radwaste operator to pump DWED & DWFD sumps • Request last sump pump times	
Remove cry wolf on C2R-B8 after crew is notified that Radwaste is pumping DWFD sump. Report as Radwaste Operator: Drywell floor drains leakage is 10 gpm. Pumped 1200 gal. from DWFD sump. DWFD sump pumped 2 hours ago.	0037	• Declare Unusual Event based on EAL#3.3.1.1 • Implement EP-IP-110 "Unusual Event" • Attempt to identify and isolate source of leak	NWE NOS
Insert CW-05(A) Trip of RBCCW 'A' loop pump	0045	• Initiate shutdown to cold shutdown. • Respond to trip of 'A' RBCCW loop pump. Verify standby pump starts.	Crew

Instructor/IF Operator Activity Sequence	Elapsed Time/ IF Operator Notes	Player Activity	Crew Member Responsible
Insert Malf.#MS-01 @ 30,000 lbm/hr Ramp leak as necessary to maintain drywell pressure >2.5 psig but < 11.0 psig.	0125	• Respond to Rx scram • Enter EOP-01 and 03 • Spray torus • Declare Alert based on EAL#3.4.1.2 • Implement EP-IP-120 "Alert"	NOS/Crew NWE
Reduce MS-01 leak rate to 15,000 lbm/hr	0140	• Initiate cooldown(<100 deg/hr) via main turbine bypass valves	NOS
Reduce MS-01 leak rate to 5,000 lbm/hr	RPV pressure 600 psig		
Remove MS-01 leak	RPV pressure 450 psig		
Insert Malf.#MS-03 Rupture of 'A' MSL outside primary containment Simulate AO-203-2A mid position by overriding green position light to on (PCIS mimic and at C/S) upon operator attempt at manually closing the valve at Panel 903	0315	• Note rapid depressurization of RPV • Note failure of MSIV's to close on GP1 isolation signal • Attempt manual isolation of MSIV's • Note failure of 'A' MSL MSIV's to close.	RO
	0335	• Declare Site Area Emergency based on EAL#6.2.2.3 or #6.2.3.3 • Implement EP-IP-130	NWE

Instructor/IF Operator Activity Sequence	Elapsed Time/ IF Operator Notes	Player Activity	Crew Member Responsible
	0345	• Initiate action to place shutdown cooling in service	NOS
Remove control switch override for AO-203-2A	0400 or after when action taken to manually close valve	• Note AO-203-2A is closed. Inform NOS/NWE	PO
Freeze simulator	0430	Exercise terminated	

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
MESSAGE FORM

SCENARIO NO. 92-05B MESSAGE NO SIM-1

ELAPSED TIME -0030 TIME

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

MESSAGE FOR: Watch Engineer

INFORMATION:

INITIAL PLANT CONDITIONS

The reactor is operating at 90% power. The plant has been operating for the past 200 days. Routine surveillances have been completed. Scheduled surveillances include 8.M.2-1.5.1 Main Steam Line Isolation Valve Logic Test A Outboard and 8.M.1.24 Main Steam Line Isolation Valve Logic Channels. There is no significant equipment out of service.

INITIAL METEOROLOGICAL CONDITIONS

The weather is clear and sunny with light winds out of the north northheast. The temperature is 56 degrees.

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
FOR CONTROLLER USE ONLY

SCENARIO NO. 92-05B MESSAGE NO. SIM-1

ELAPSED TIME -0030 TIME

****

THIS IS A DRILL

****

ADDITIONAL CONTROLLER INFORMATION:

This message is to be presented when the Simulator Crew is in place.

ANTICIPATED PLAYER RESPONSE:

Players should become familiar with the format and content of the message sheets. They should walk down the simulator panels and ensure they are cognizant of current plant conditions. They should compare current plant conditions with the information presented yesterday as the status at the end of the day. All of the Control Room Staff should be provided with this information.

COMMENTS:

****

THIS IS A DRILL

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
MESSAGE FORM

SCENARIO NO. 92-05B MESSAGE NO CR-2

ELAPSED TIME :0005 TIME

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

MESSAGE FOR: Non-drill NOS in real Control Room

INFORMATION:

Have the Control Room make the following announcement over the page system:

"Attention! Attention! This is the Control Room. Pilgrim Nuclear Power Station is commencing the 1992 NRC EVALUATED EXERCISE. All announcements preceded by "THIS IS A DRILL" are for designated Exercise Participants. All personnel are to limit the use of the Gai-tronics until the exercise has been terminated.

REPEAT MESSAGE

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
FOR CONTROLLER USE ONLY

SCENARIO NO. 92-05B MESSAGE NO. CR-2

ELAPSED TIME -0005 TIME

****

THIS IS A DRILL

****

ADDITIONAL CONTROLLER INFORMATION:

Provide this message to the on watch NOS to initiate the 1992 NRC EVALUATED EXERCISE.

ANTICIPATED PLAYER RESPONSE:

The Control Room Operator will make the announcement on the Gai-tronics system.

COMMENTS:

****

THIS IS A DRILL

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
MESSAGE FORM

SCENARIO NO. 92-05B MESSAGE NO CHEM-3

ELAPSED TIME 0005 TIME

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

MESSAGE FOR: Chem Tech sent to investigate C19 alarm

INFORMATION:

The following indications exist on C19:

C19 west: In alarm

Iodine channel alarming at 3.6E5 µci/cc and increasing

Gas channel slowly rising

Particulate slowly rising

Background mr/hr slowly rising

C19 east: In alarm is out of service

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
FOR CONTROLLER USE ONLY

SCENARIO NO. 92-05B MESSAGE NO. CHEM-3

ELAPSED TIME 0005 TIME

****

THIS IS A DRILL

****

ADDITIONAL CONTROLLER INFORMATION:

Upon investigation by the Chem. Tech. or whoever is sent to investigate the C19 alarm, provide the indication of both units in alarm and instrument readings as specified in the scenario rad. data for the current elapsed time.
(provide data to NOS/NWE as Chem. Tech. over Gaitronics)

ANTICIPATED PLAYER RESPONSE:

Report results to the Control Room. The CR Controller shall then relay this information to the Simulator Data Contoller who shall in turn provide the information to the NWE.

COMMENTS:

Wait approx. 10 minutes to provide information.

****

THIS IS A DRILL

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
MESSAGE FORM

SCENARIO NO. 92-05B MESSAGE NO SIM-4

ELAPSED TIME 0037 TIME

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

MESSAGE FOR: Watch Engineer

INFORMATION:

Radwaste Operator reports that DWED sump was pumped at 0600 this mourning. The last integrator reading was 00014387. Current intergrator reading is 00015622.

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
FOR CONTROLLER USE ONLY

SCENARIO NO. 92-05B MESSAGE NO. SIM-4

ELAPSED TIME 0037 TIME

****

THIS IS A DRILL

****

ADDITIONAL CONTROLLER INFORMATION:

Provide data to NOS/NWE as Radwaste Operator on gaitronics.

ANTICIPATED PLAYER RESPONSE:

The NOS should calculate a drywell unidentified leak rate of approximately 9 - 11 gpm.
Declare "Unusual Event" based on EAL#3.3.1.1

COMMENTS:

****

THIS IS A DRILL

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
MESSAGE FORM

SCENARIO NO. 92-05B MESSAGE NO CR-5X

ELAPSED TIME 0037 TIME

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

MESSAGE FOR: CR Announcer

INFORMATION:

Make the following plant announcement as specified in specified in EP-IP-110:

THIS IS A DRILL
THIS IS A DRILL

Attention all personnel; Attention all personnel: An Unusual Event has been declared due to (provide brief description of event). All on-call members of the Emergency Response Organization stand-by for further instructions. All other personnel continue with your present duties unless further instruction is given.

THIS IS A DRILL
THIS IS A DRILL

(REPEAT MESSAGE)

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
FOR CONTROLLER USE ONLY

SCENARIO NO. 92-05B MESSAGE NO. CR-5X

ELAPSED TIME 0125 TIME

****

THIS IS A DRILL

****

ADDITIONAL CONTROLLER INFORMATION:

This announcement shall be made as specified specified in EP-IP-110 "Unusual Event"

ANTICIPATED PLAYER RESPONSE:

Make announcement via CR gaitronics

COMMENTS:

****

THIS IS A DRILL

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
MESSAGE FORM

SCENARIO NO. 92-05B MESSAGE NO CR-6X

ELAPSED TIME 0130 TIME

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

MESSAGE FOR: CR Announcer

INFORMATION:

Make the following plant announcement in lieu of the announcement specified in step 5.5 of EP-IP-120:

THIS IS A DRILL
THIS IS A DRILL

Attention all personnel; Attention all personnel: Had this been an actual emergency, all non-essential contract personnel, all visitors, and all handicapped personnel would be directed to leave the site at this time. For the purpose of this drill, all non-drill participants are to continue with your normal duties.

THIS IS A DRILL
THIS IS A DRILL

(REPEAT MESSAGE)

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
FOR CONTROLLER USE ONLY

SCENARIO NO. 92-05B MESSAGE NO. CR-CX

ELAPSED TIME 0130 TIME

****

THIS IS A DRILL

****

ADDITIONAL CONTROLLER INFORMATION:

This announcement shall be made in lieu of that specified in EP-IP-120 "Alert"

ANTICIPATED PLAYER RESPONSE:

Make announcement via CR gaitronics

COMMENTS:

****

THIS IS A DRILL

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
MESSAGE FORM

SCENARIO NO. 92-05B MESSAGE NO OSC-7X

ELAPSED TIME 0200 TIME

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

MESSAGE FOR: OSC Maintenance Team dispatched to troubleshoot RBCCW.

INFORMATION:

The 'A' RBCCW pump pump shaft is siezed.

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
FOR CONTROLLER USE ONLY

SCENARIO NO. 92-05B MESSAGE NO. OSC-7X

ELAPSED TIME 0200 TIME

****

THIS IS A DRILL

****

ADDITIONAL CONTROLLER INFORMATION:

Any attempt at manually rotating pump will indicate that the pump shaft is seized. The pump motor is still very hot to the touch.

ANTICIPATED PLAYER RESPONSE:

Report results to the CR/TSC.

COMMENTS:

Any report should be transfered to simulator.

****

THIS IS A DRILL

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
MESSAGE FORM

SCENARIO NO. 92-05B MESSAGE NO OSC-8X

ELAPSED TIME 0315 TIME

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

MESSAGE FOR: OSC Team dispatched to investigate steam leak in turbine building

INFORMATION:

Steam is observed wisping in the area of the condenser bay entrance.

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
FOR CONTROLLER USE ONLY

SCENARIC NO. 92-05B MESSAGE NO OSC-9X

ELAPSED TIME 0315 TIME

****

THIS IS A DRILL

****

ADDITIONAL CONTROLLER INFORMATION:

Provide indications consistent with a large steam line break inside the condenser bay.

ANTICIPATED PLAYER RESPONSE:

Report results to CR/TSC

COMMENTS:

Any report should be transfered to simulator.

****

THIS IS A DRILL

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
MESSAGE FORM

SCENARIO NO. 92-05B MESSAGE NO CR-9X

ELAPSED TIME 0335 TIME

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

MESSAGE FOR: CR Announcer

INFORMATION:

Make the following plant announcement in lieu of the announcement specified in EP-IP-130:

THIS IS A DRILL
THIS IS A DRILL

Attention all personnel; Attention all personnel: A Site Area Emergency has been declared due to (provide brief description of event). Had this been an actual emergency, all personnel who are not part of the Emergency Response Organization would be directed to evacuate to the designated assembly area and would receive further instructions at your exit gate. For the purpose of the drill, all non-drill participants are to continue with your normal duties.

THIS IS A DRILL
THIS IS A DRILL

(REPEAT MESSAGE)

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
FOR CONTROLLER USE ONLY

SCENARIO NO. 92-05B MESSAGE NO. CR-9X

ELAPSED TIME 0335 TIME

****

THIS IS A DRILL

****

ADDITIONAL CONTROLLER INFORMATION:

This announcement shall be made in lieu of that specified in EP-IP-130 "Site Area Emergency"

ANTICIPATED PLAYER RESPONSE:

Make announcement via CR gaitronics

COMMENTS:

****

THIS IS A DRILL

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
MESSAGE FORM

SCENARIO NO. 92-05B MESSAGE NO OSC-10X

ELAPSED TIME 0345 TIME

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

MESSAGE FOR: OSC Team dispatched to the steam tunnel to investigate MSIV

INFORMATION:

AO-203-2A valve operator has a large bolt jammed in the yoke of the valve preventing it from fully closing.

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
FOR CONTROLLER USE ONLY

SCENARIO NO. 92-05B MESSAGE NO. OSC-10X

ELAPSED TIME 0345 TIME

****

THIS IS A DRILL

****

ADDITIONAL CONTROLLER INFORMATION:

Provide indications which indicate that the bolt could likely be removed if valve was cycled open.

ANTICIPATED PLAYER RESPONSE:

Report indications to CR/TSC

COMMENTS:

Group 1 isolation signals must be overriden to reopen AO-203-2A.

****

THIS IS A DRILL

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
MESSAGE FORM

SCENARIO NO. 92-05B MESSAGE NO ALL-11

ELAPSED TIME 0430 TIME

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

MESSAGE FOR: Senior ERO position in each facility

INFORMATION:

The 1992 NRC Evaluated Exercise is terminated.

Assure that the following Gai-tronics and/or PA announcement is made:

"Attention! Attention! The Pilgrin Nuclear Power Station 1992 NRC Evaluated Exercise has been completed. No further drill announcements will be made."

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
FOR CONTROLLER USE ONLY

SCENARIO NO. 92-05B MESSAGE NO. All-11

ELAPSED TIME 0430 TIME

****

THIS IS A DRILL

****

ADDITIONAL CONTROLLER INFORMATION:

Provide message to person in charge of each facility only when the Lead Exercise Controller has determined that all objectives have been tested

ANTICIPATED PLAYER RESPONSE:

All players should assemble all of the written material that was generated during the exercise for assembly by the Lead Facility Controller. All logbooks, Procedures Manuals, Armbands, and other materials should be returned to their proper locations.

COMMENTS:

****

THIS IS A DRILL

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
MESSAGE FORM

SCENARIO NO. 92-05B MESSAGE NO SE-1

ELAPSED TIME 0005 TIME

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

MESSAGE FOR: NOS

INFORMATION:

The following annunciators and indications are recieved in the control room:

- RAD LEAK DET ANALYZER TROUBLE C19 A/B (903)

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
MESSAGE FORM

SCENARIO NO. 92-05B MESSAGE NO SF-2

ELAPSED TIME 0026 TIME

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

MESSAGE FOR: NOS

INFORMATION:

The following annunciators and indications are recieved in the control room:

- DRYWELL HI/LO PRESSURE (905)

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
MESSAGE FORM

SCENARIO NO. 92-05B MESSAGE NO SF-3

ELAPSED TIME 0113 TIME

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

MESSAGE FOR: NOS

INFORMATION:

The following annunciators and indications are recieved in the control room:

- Radwaste Panel Trouble C-2 R A23

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
MESSAGE FORM

SCENARIO NO. 92-05B MESSAGE NO SF-4

ELAPSED TIME 0120 TIME

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

MESSAGE FOR: NOS

INFORMATION:

The following annunciators and indications are recieved in the control room:

- RBCCW LOOP A PUMP LOW DISCH PRESS (C1)

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
MESSAGE FORM

SCENARIO NO. 92-05B MESSAGE NO SF-5

ELAPSED TIME 0126 TIME

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

MESSAGE FOR: NOS

INFORMATION:

The following annunciators and indications are recieved in the control room:

- Reactor Scram Channel A and B (905)
- Drywell High Press Scram (905)
- High Drywell Press CSCS Initiation (903)
- Core Spray Auto Start A and B (903)
- RHR Pump A/B/C/D Auto Start (903)
- APRM Downscale (905)

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
MESSAGE FORM

SCENARIO NO. 92-05B MESSAGE NO SF-6

ELAPSED TIME 0135 TIME

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

MESSAGE FOR: NOS

INFORMATION:

The following annunciators and indications are recieved in the control room:

- IRM Downscale (905)

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
MESSAGE FORM

SCENARIO NO. 92-05B MESSAGE NO SF-7

ELAPSED TIME 0250 TIME

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

MESSAGE FOR: NOS

INFORMATION:

The following annunciators and indications are recieved in the control room:

- CS & RHR Injection 400# Permissive (903)
- Air Ejector Steam Supply Low Pressure (C1)

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

PNPS EMERGENCY PREPAREDNESS DRILL/EXERCISE
MESSAGE FORM

SCENARIO NO. 92-05B MESSAGE NO SF-8

ELAPSED TIME 0315 TIME

****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

MESSAGE FOR: NOS

INFORMATION:

The following annunciators and indications are recieved in the control room:

- Steam Tunnel CH A Hi Temperature (905)
- Steam Tunnel CH B Hi Temperature (905)
- Reactor Water Level Hi/Lo (905)
- RCIC High Vessel Level (905)
- Main Steam Line Leakage (905)
- RHR Shut Cool Mode Hi Rx Press Ch A and B cleared
- HPCI Isolated (903)
- RCIC Isolated (904)

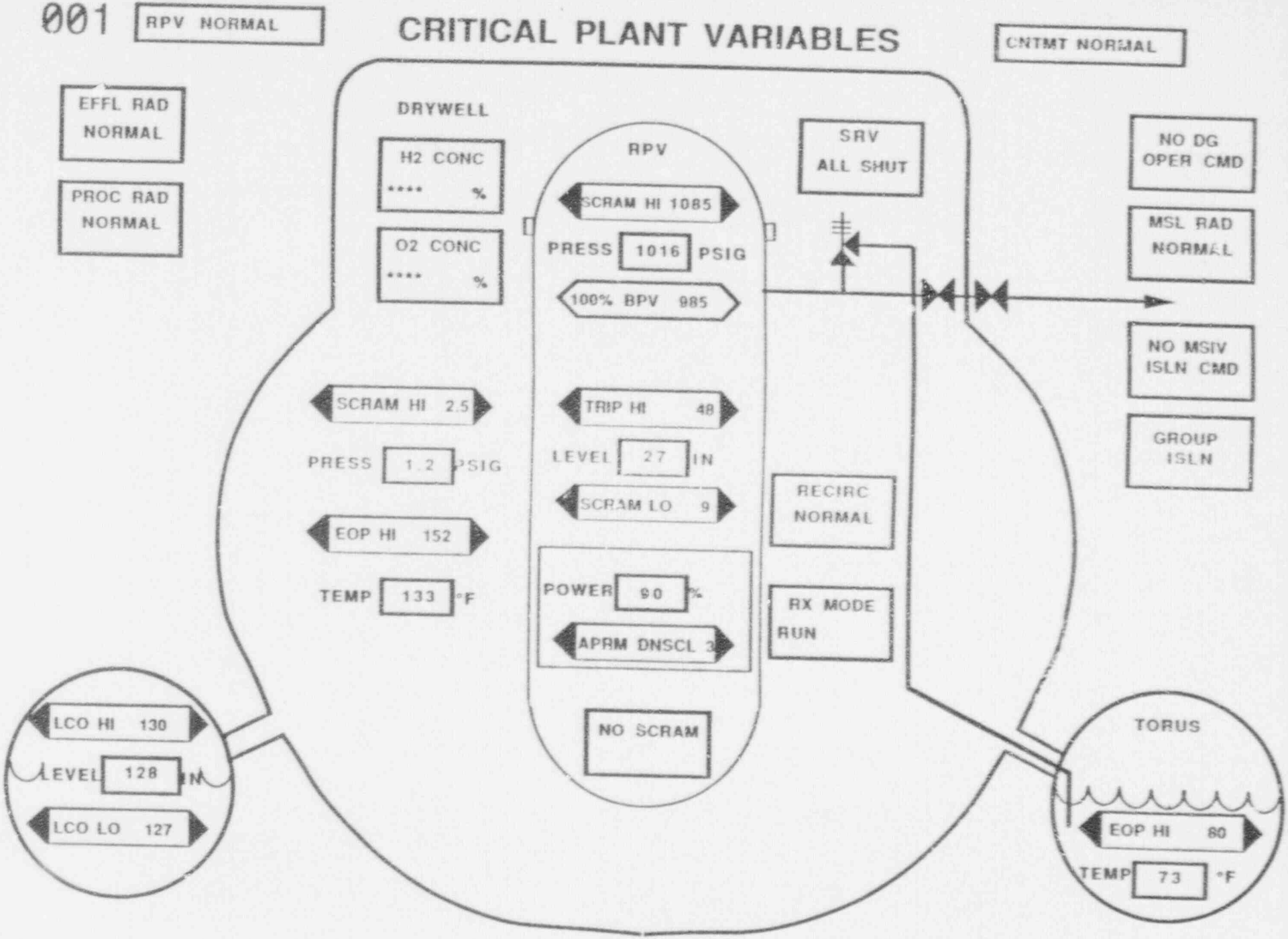
****

THIS IS A DRILL
DO NOT INITIATE ACTIONS AFFECTING NORMAL PLANT OPERATIONS

****

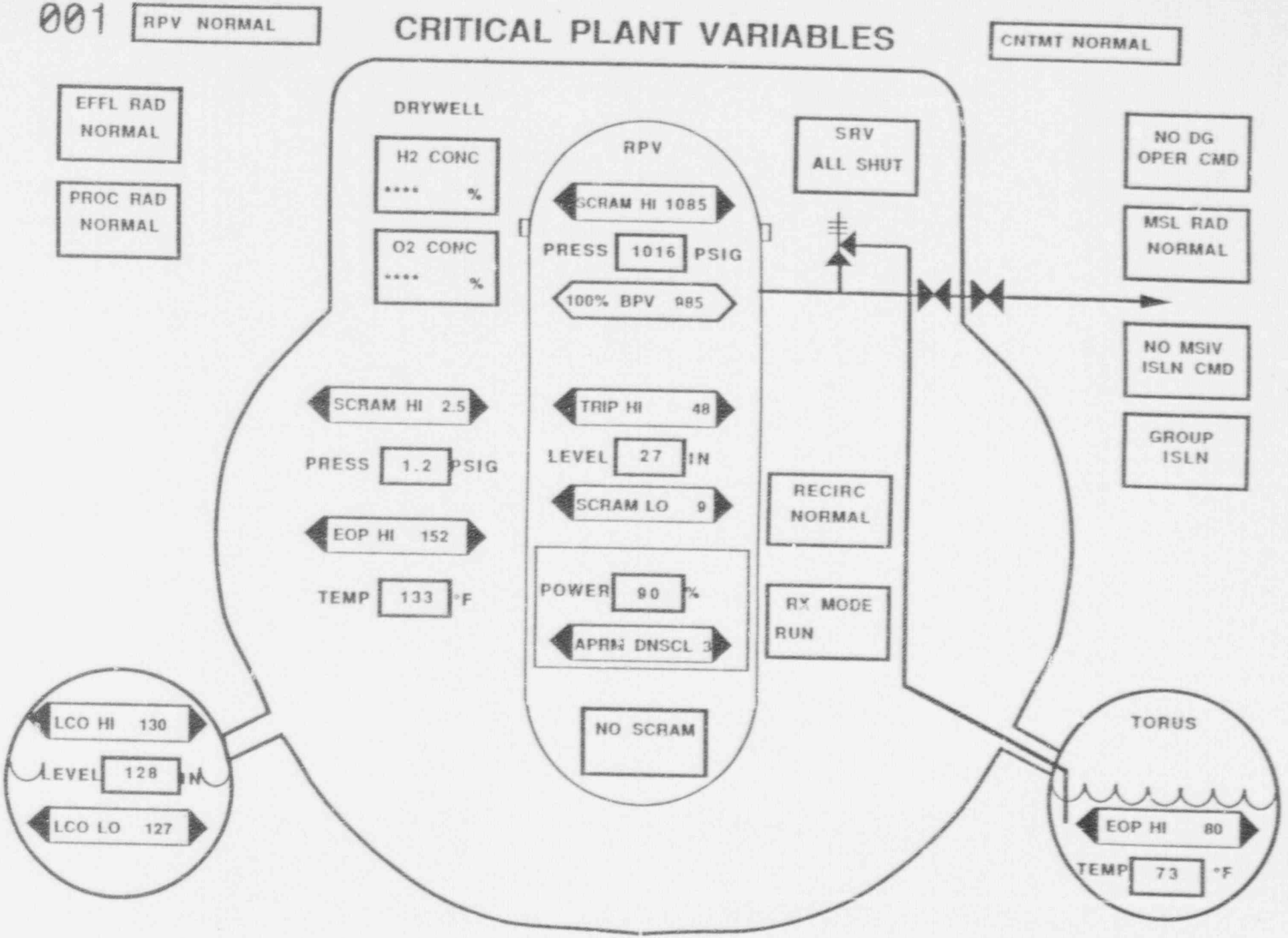
001

CRITICAL PLANT VARIABLES

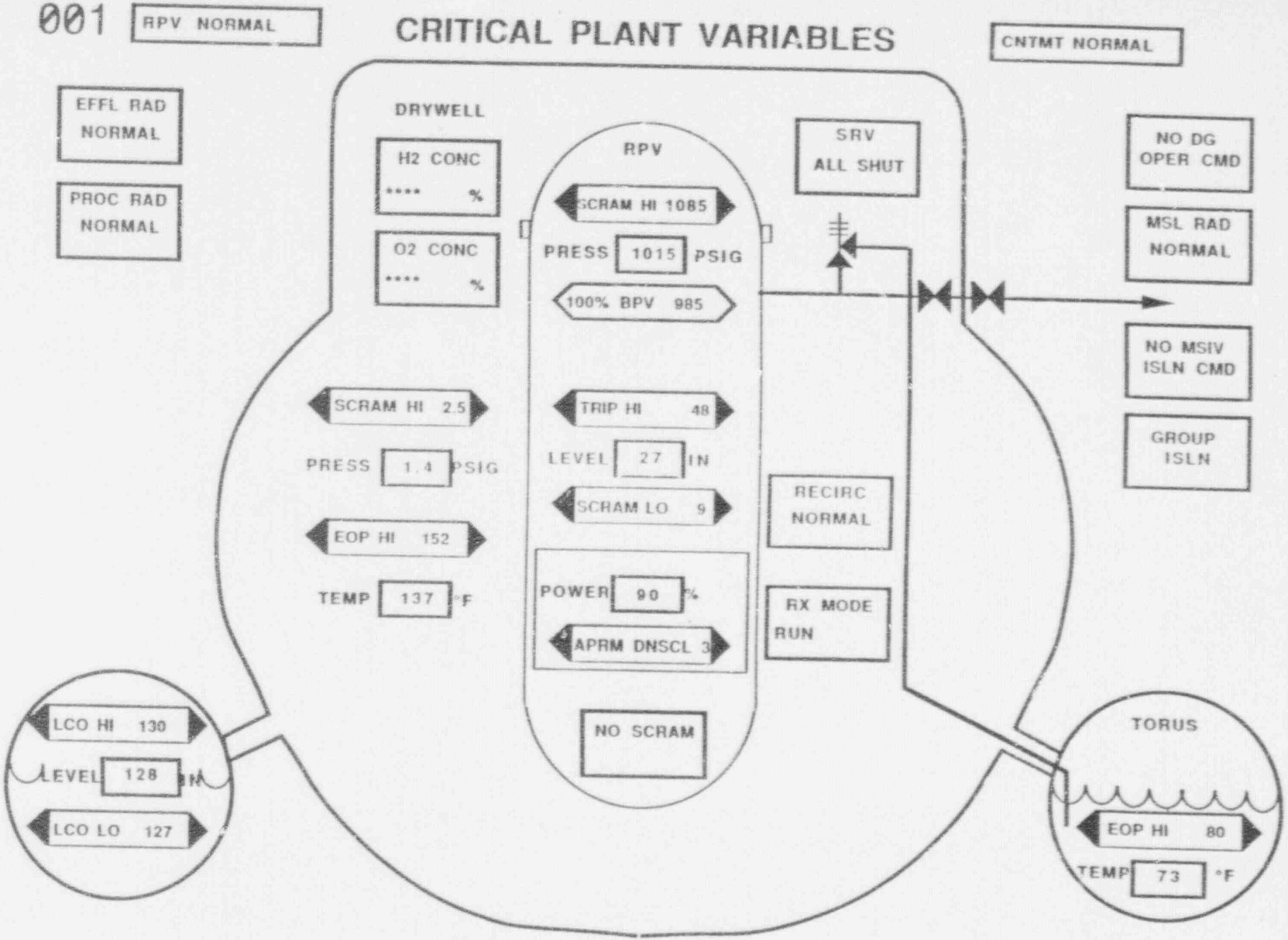


001

CRITICAL PLANT VARIABLES



001


RPV NORMAL
CRITICAL PLANT VARIABLES
CNTMT NORMAL
EFFL RAD NORMAL
PROC RAD NORMAL
DRYWELL
H2 CONC **** %
O2 CONC **** %
RPV
SCRAM HI 1085
PRESS 1015 PSIG
100% BPV 985
SRV ALL SHUT
NO DG OPER CMD
MSL RAD NORMAL
NO MSIV ISLN CMD
GROUP ISLN
SCRAM HI 2.5
PRESS 1.4 PSIG
EOP HI 152
TEMP 137 °F
TRIP HI 48
LEVEL 27 IN
SCRAM LO 9
POWER 90 %
APRM DNSCL 3
NO SCRAM
RECIRC NORMAL
RX MODE RUN
LCO HI 130
LEVEL 128 IN
LCO LO 127
TORUS
EOP HI 80
TEMP 73 °F

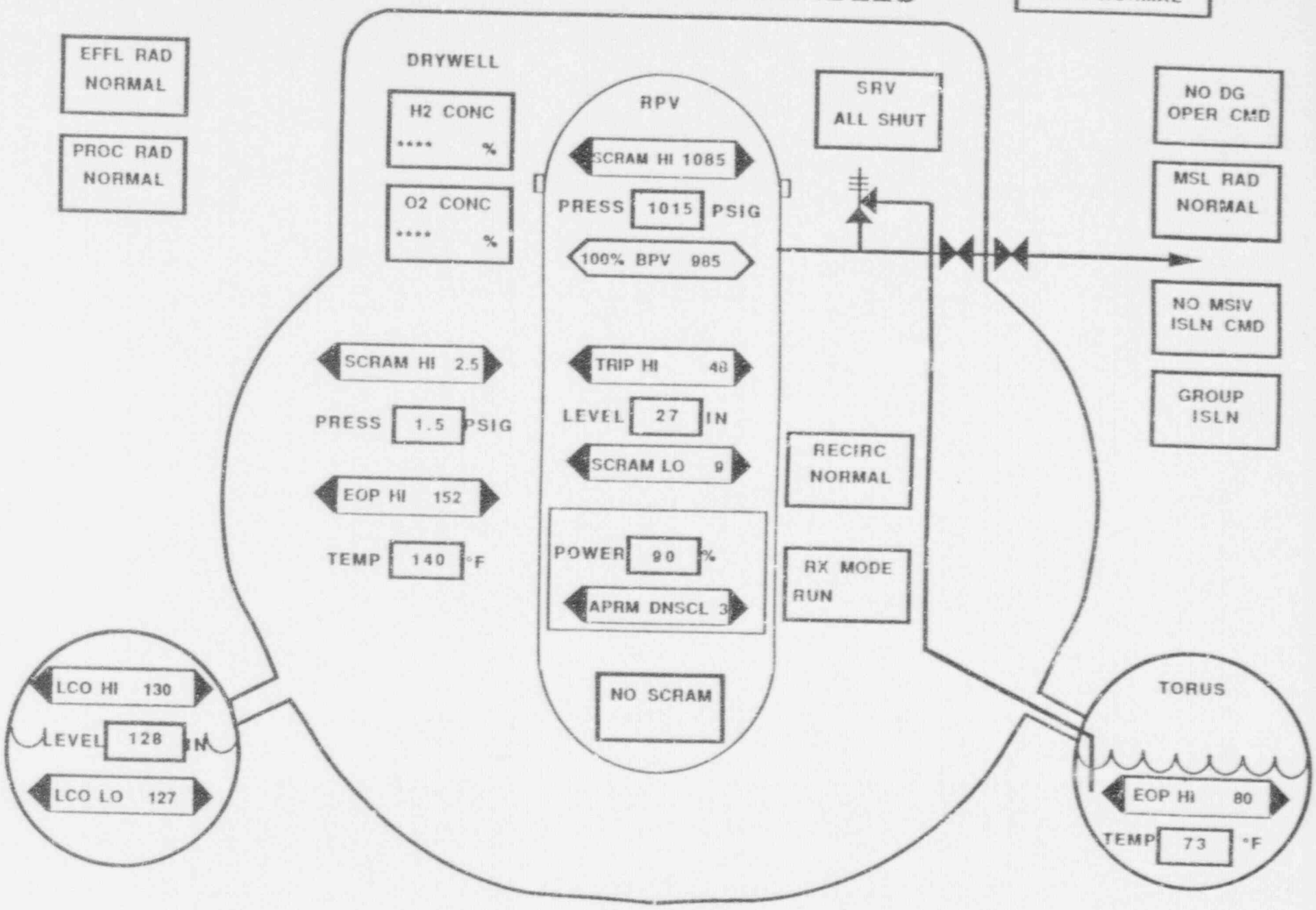
001 RPV NORMAL

CRITICAL PLANT VARIABLES

CNTMT NORMAL

EFFL RAD NORMAL

PROC RAD NORMAL

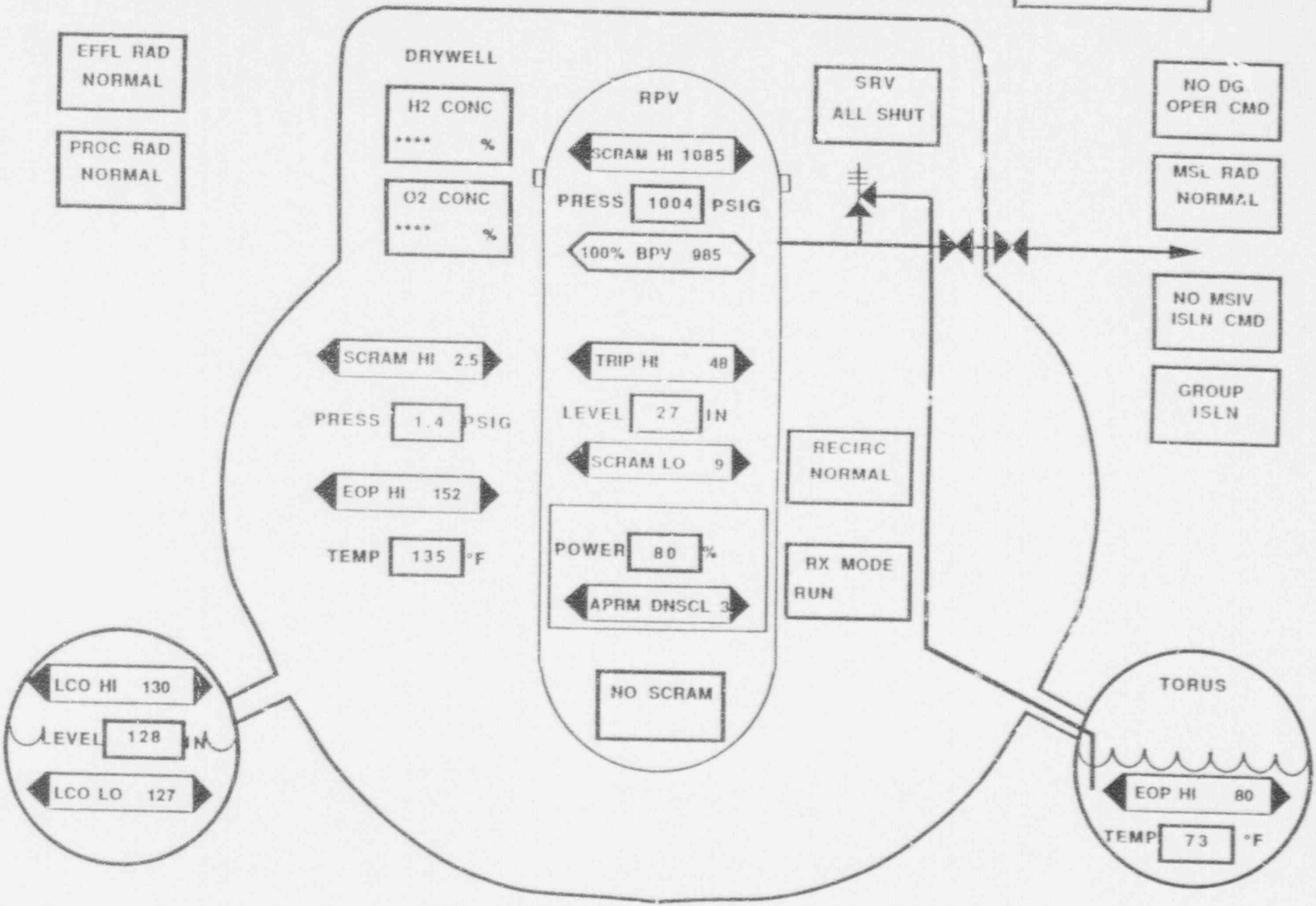


001

RPV NORMAL

CRITICAL PLANT VARIABLES

CNTMT NORMAL



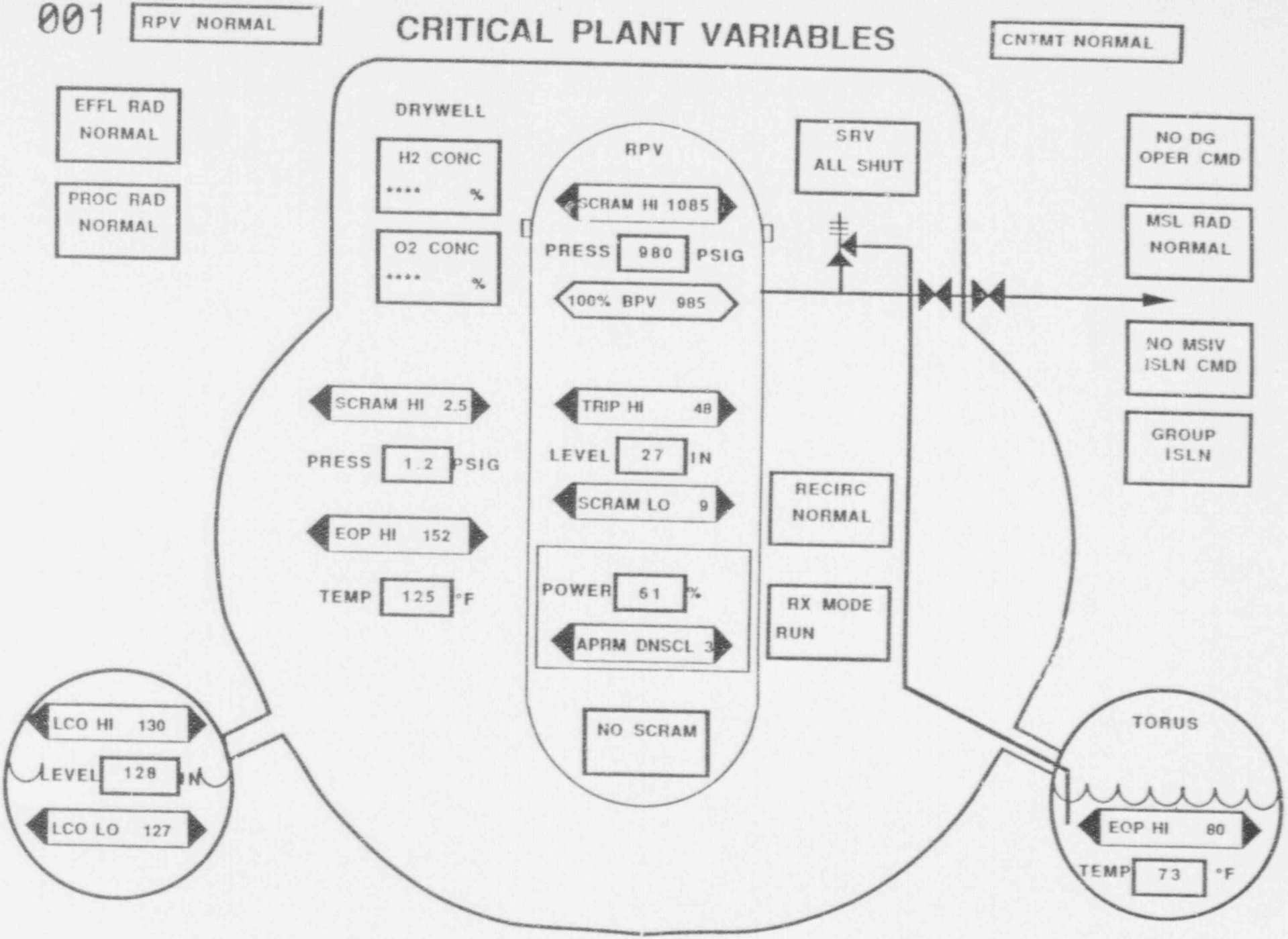
92-05B

PILGRIM ● ● ● 28-May-1992

Elapsed Time: 0045

001

CRITICAL PLANT VARIABLES

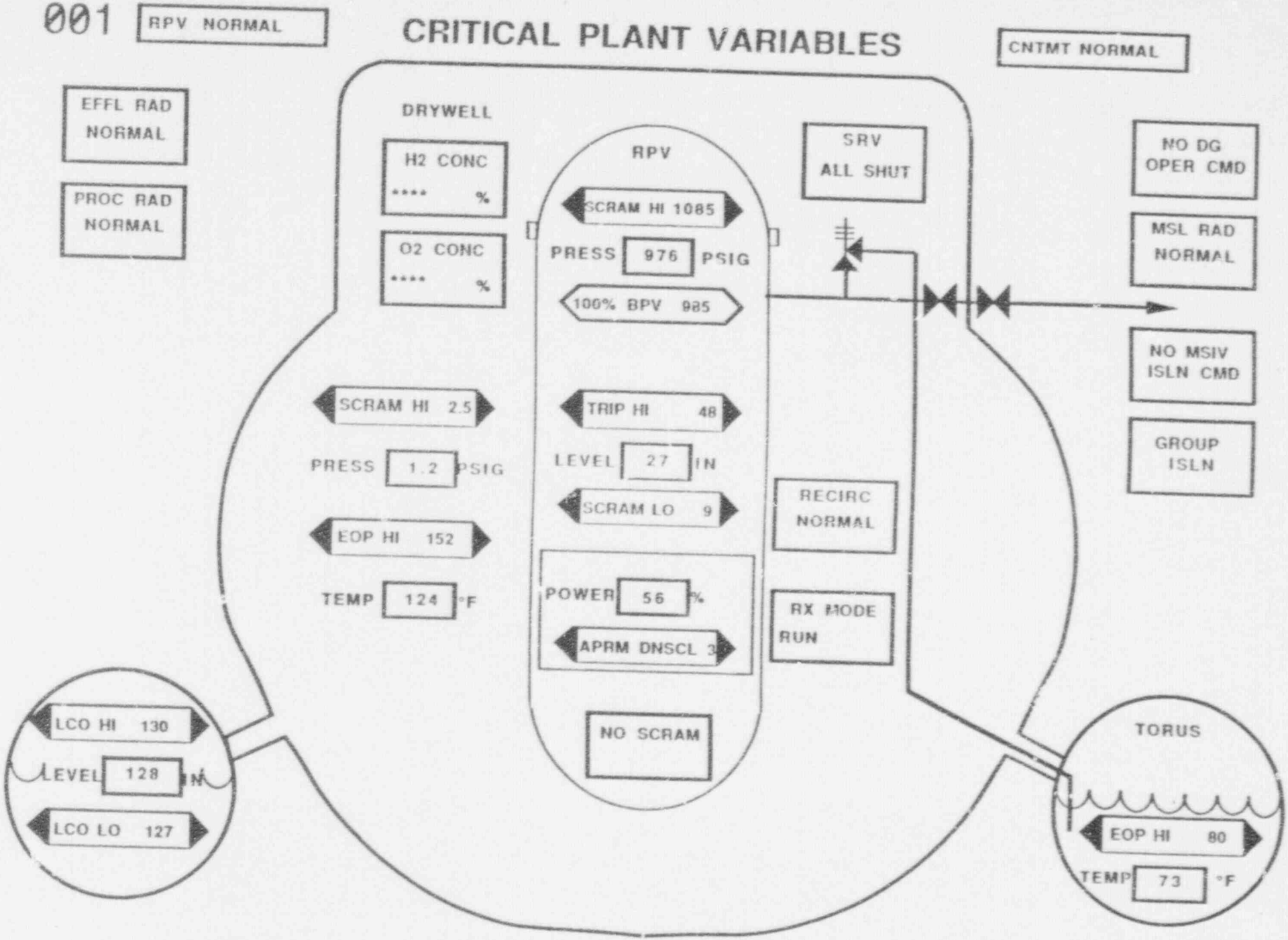


92-05B

PILGRIM ● ● ● 28-May-1992

Elapsed Time: 0100

001

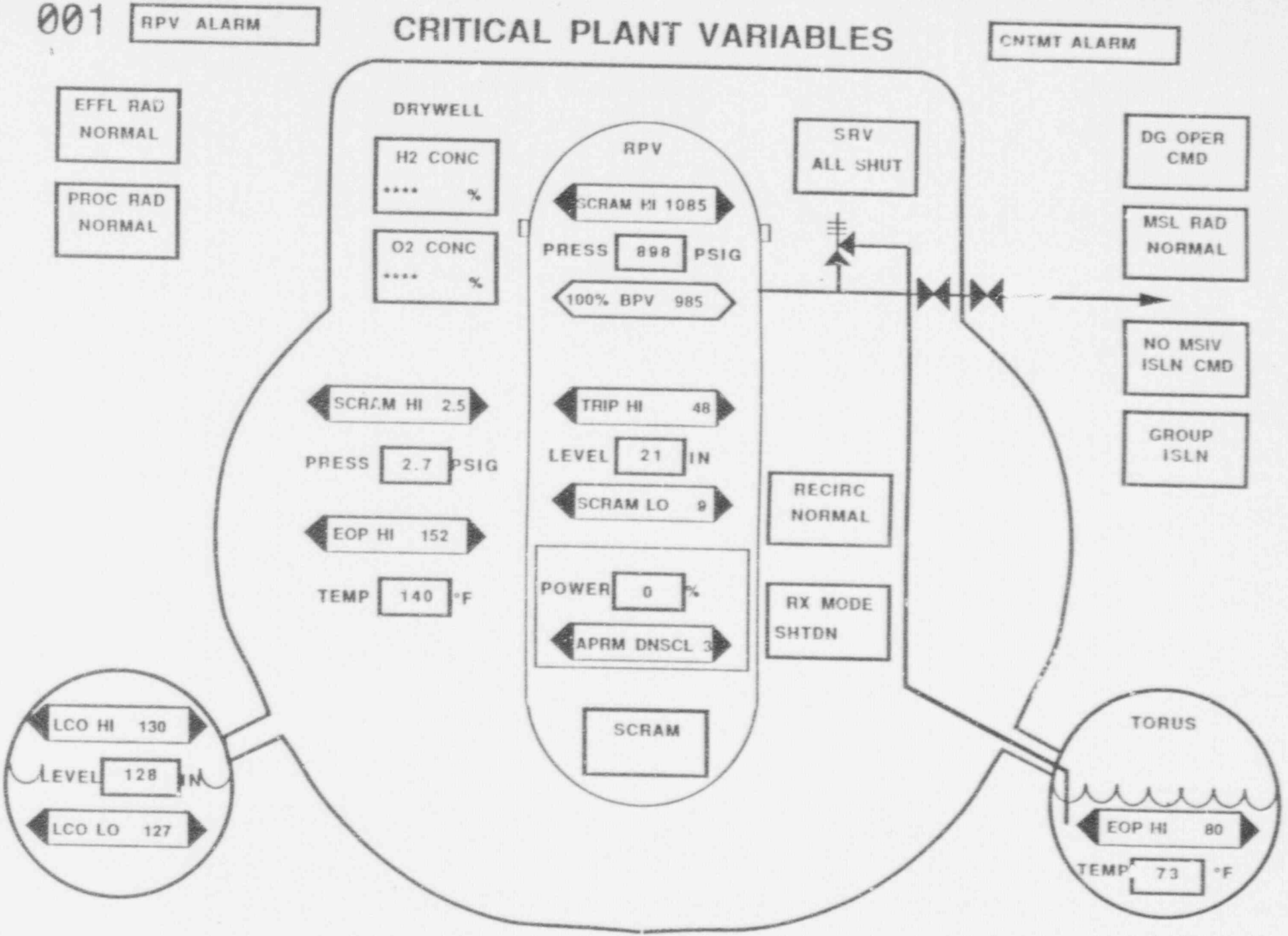


92-05B

PILGRIM ● ● ● 28-May-1992

001

CRITICAL PLANT VARIABLES



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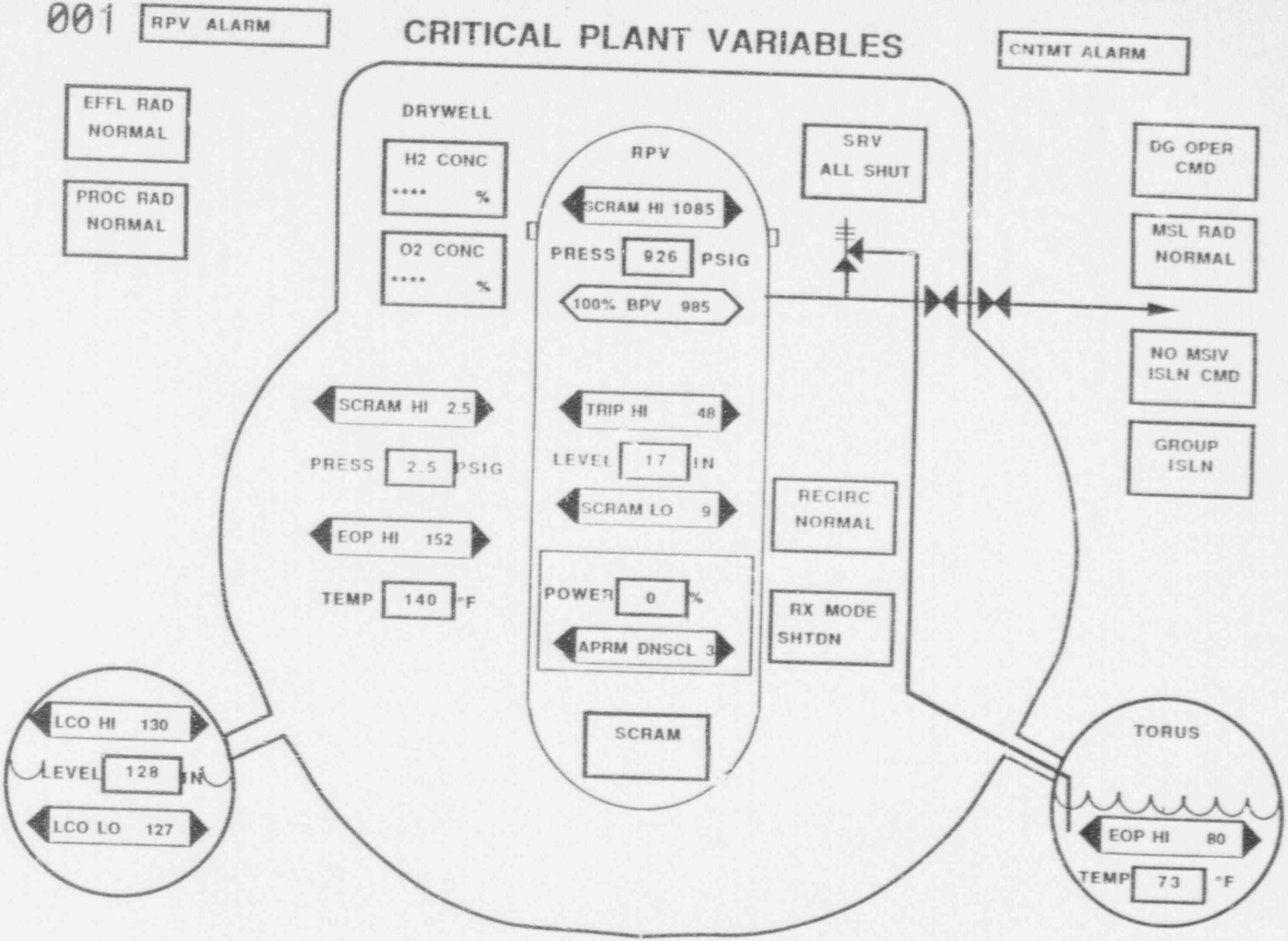
CRITICAL PLANT VARIABLES

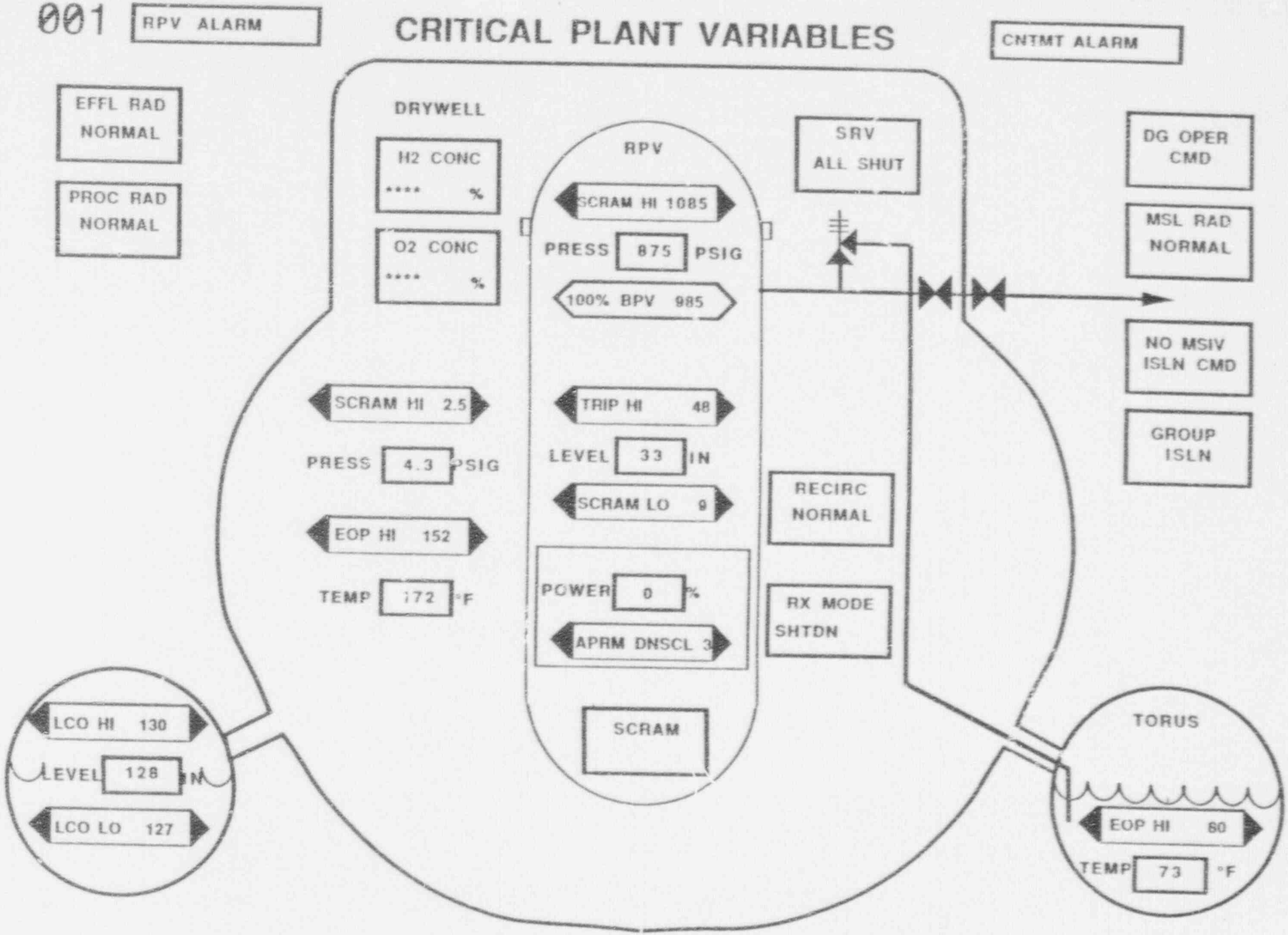


92-05B

PILGRIM ● ● ● 28-May-1992

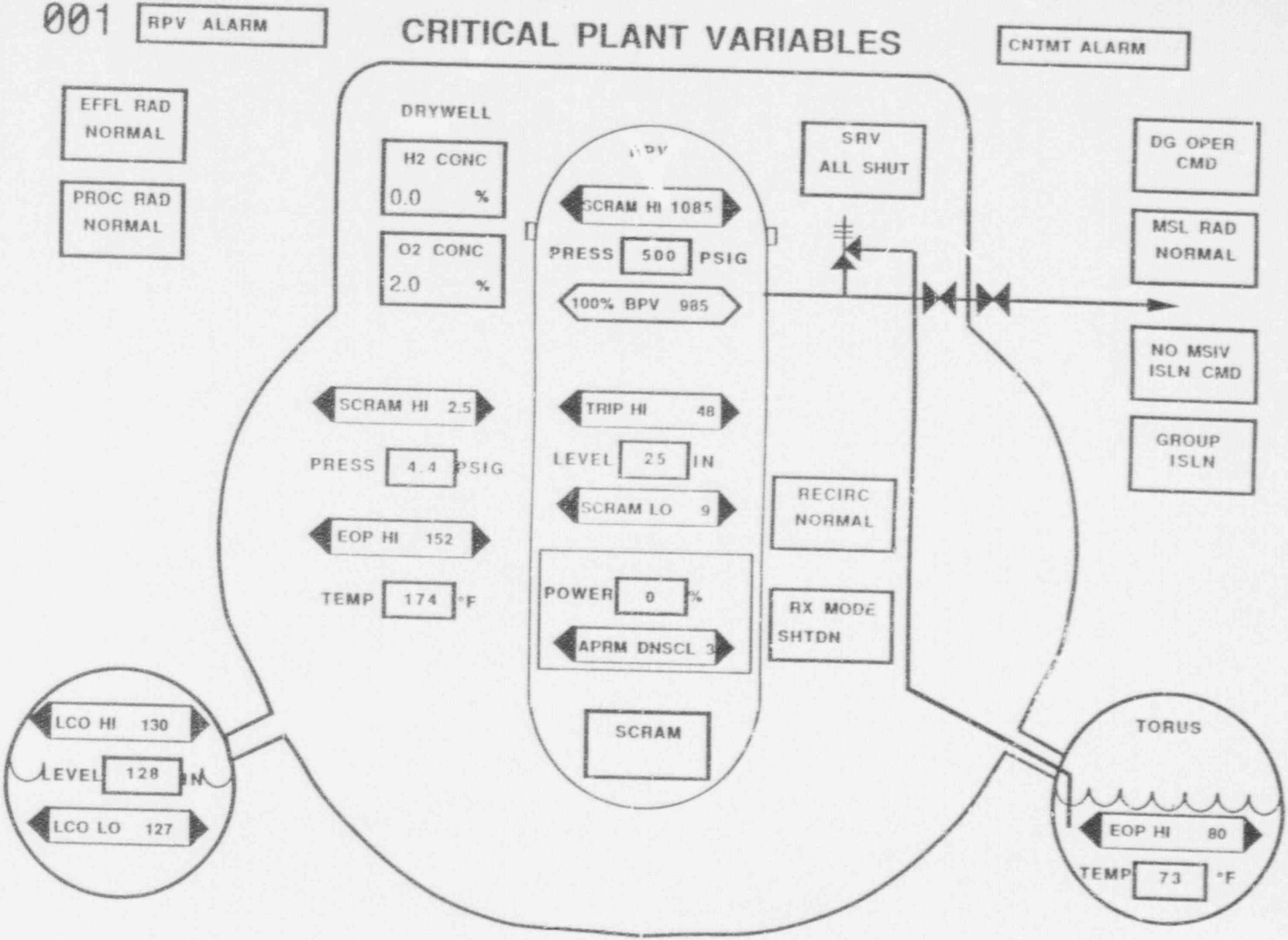
Elapsed Time: 0130

001


RPV ALARM
CRITICAL PLANT VARIABLES
CNTMT ALARM
EFFL RAD NORMAL
PROC RAD NORMAL
DRYWELL
H2 CONC **** %
O2 CONC **** %
RPV
SCRAM HI 1085
PRESS 875 PSIG
100% BPV 985
SRV ALL SHUT
DG OPER CMD
MSL RAD NORMAL
NO MSIV ISLN CMD
GROUP ISLN
SCRAM HI 2.5
PRESS 4.3 PSIG
EOP HI 152
TEMP 172 °F
TRIP HI 48
LEVEL 33 IN
SCRAM LO 9
POWER 0 %
APRM DNSCL 3
RECIRC NORMAL
RX MODE SHTDN
SCRAM
LCO HI 130
LEVEL 128 IN
LCO LO 127
TORUS
EOP HI 80
TEMP 73 °F

001

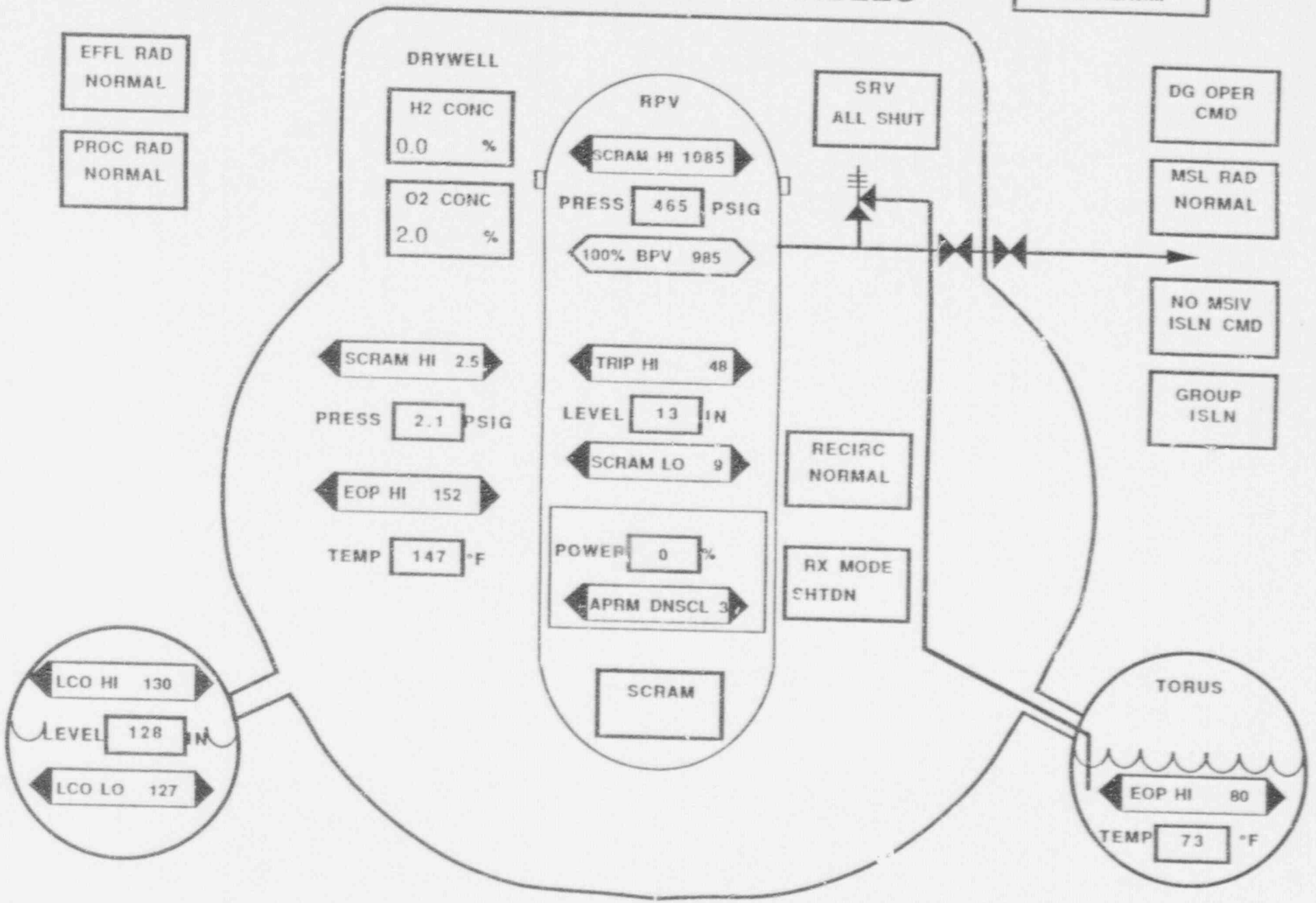
CRITICAL PLANT VARIABLES



001 RPV ALARM

CRITICAL PLANT VARIABLES

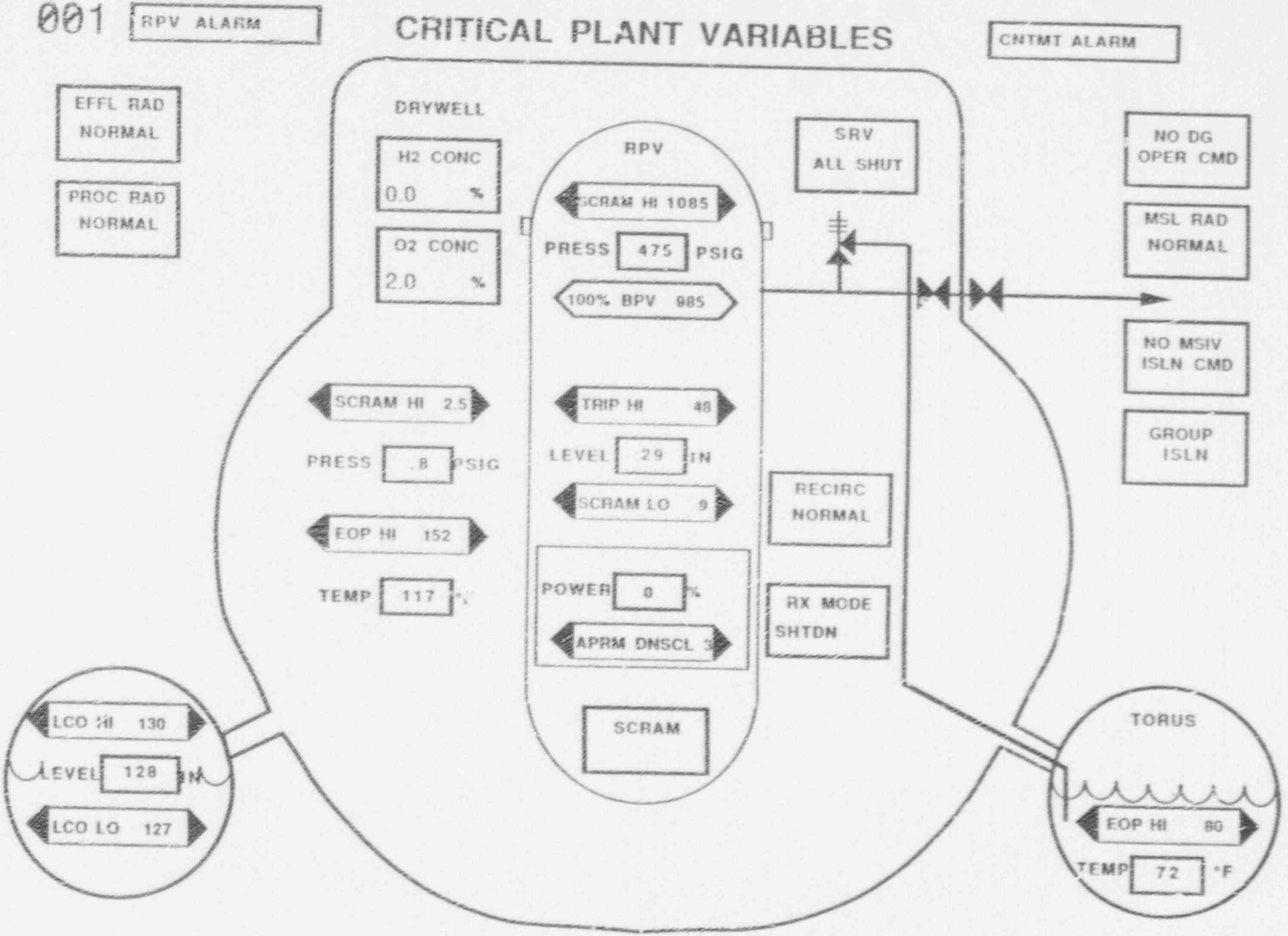
CNTMT ALARM



92-05B

PILGRIM 28-May-1992

Elapsed Time: 0215



92-05B

PILGRIM 28-May-1992

001

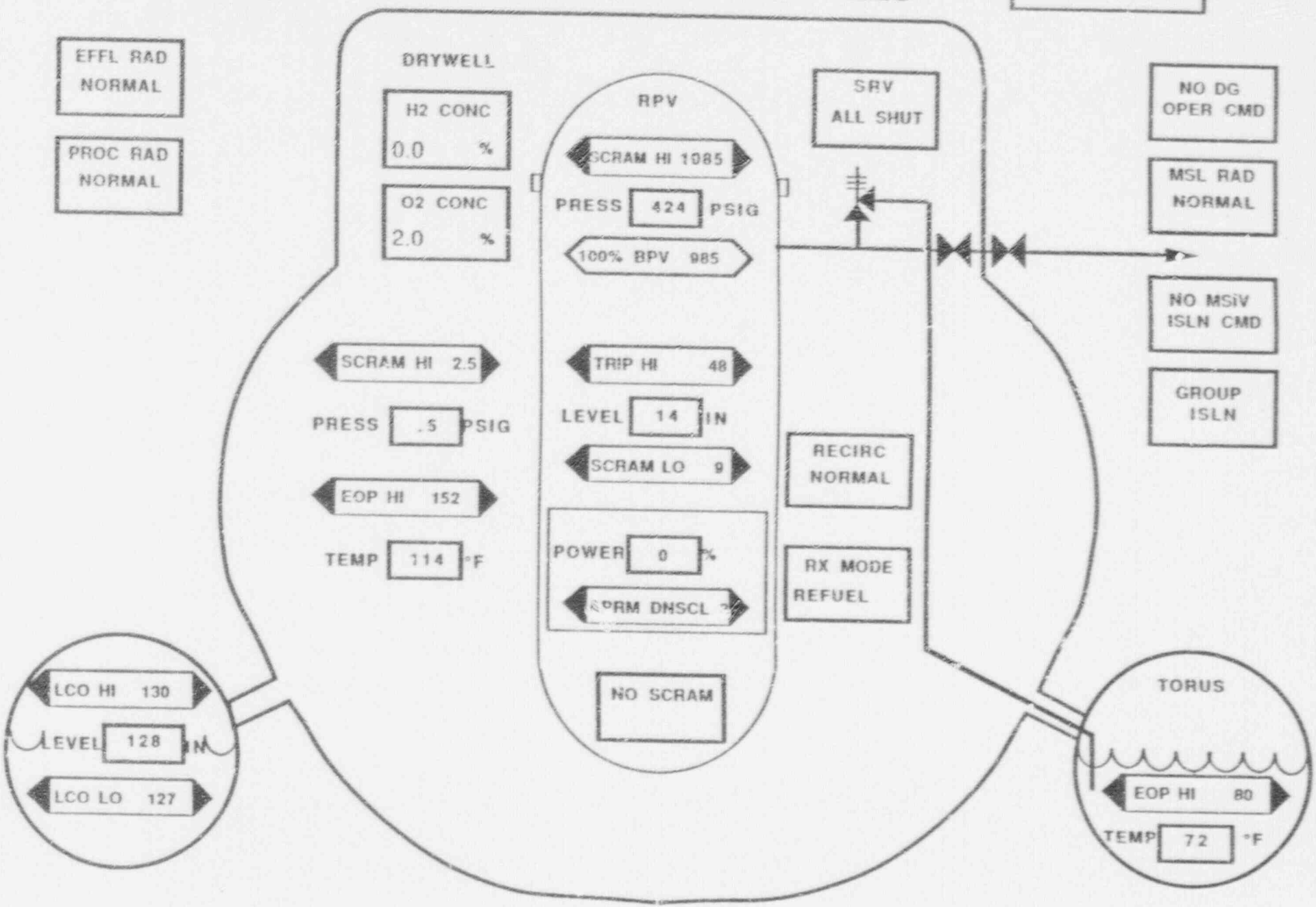
RPV ALARM

CRITICAL PLANT VARIABLES

CNTMT ALARM

EFFL RAD
NORMAL

PROC RAD
NORMAL



92-05B

PILGRIM • • • 28-May-1992

Elapsed Time: 0245

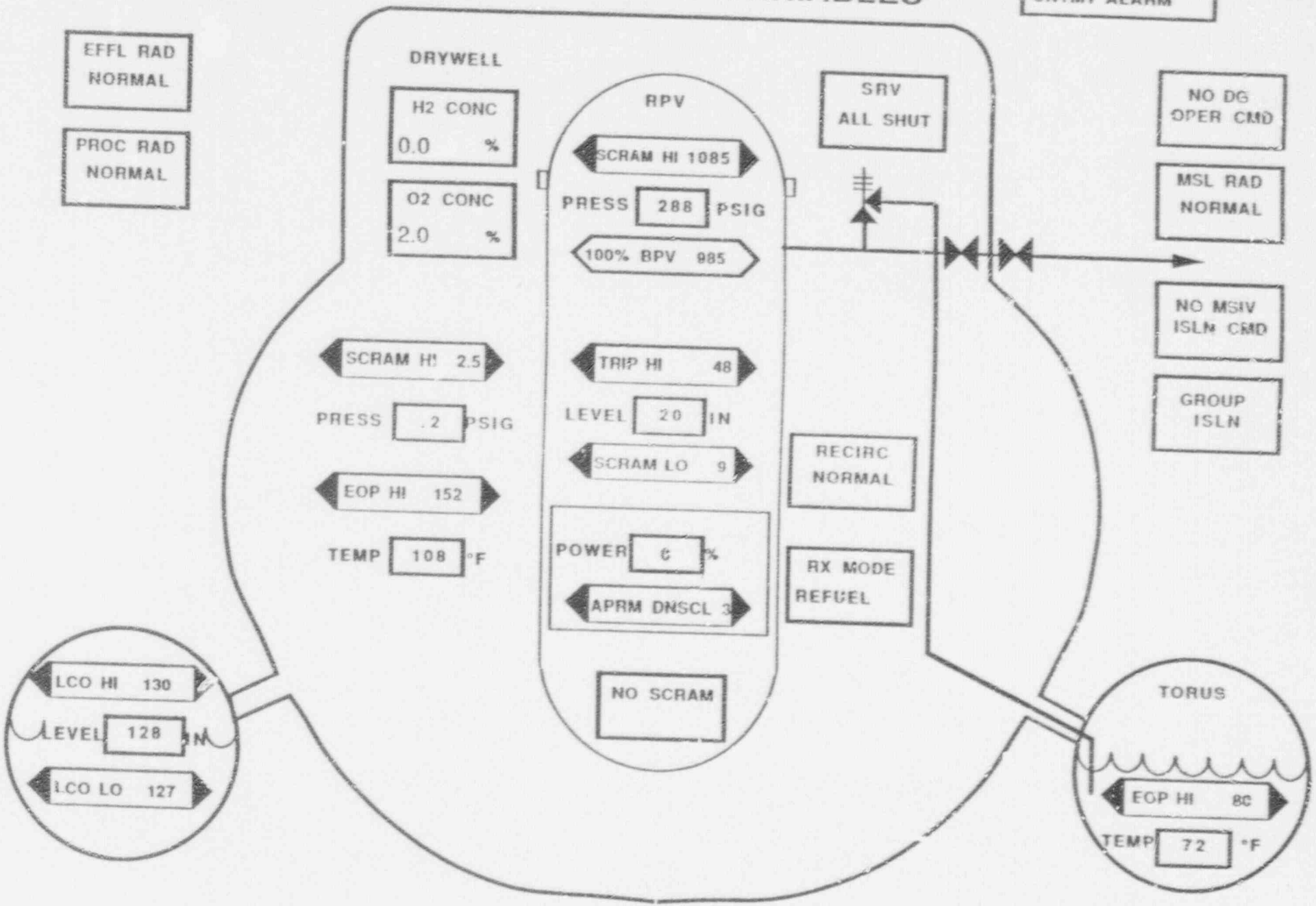
001 RPV ALARM

CRITICAL PLANT VARIABLES

CNTMT ALARM

EFFL RAD NORMAL

PROC RAD NORMAL



92-05B

PILGRIM ● ● ● 28-May-1992

Elapsed Time: 0200

Section 5

RADIOLOGICAL AND METEOROLOGICAL INFORMATION

BOSTON EDISON COMPANY
PILGRIM NUCLEAR POWER STATION
1992 EVALUATED EXERCISE 92-05B

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Section 5.1
Radiological Assumptions

5.1 Radiological Assumptions

General

1. The release path for this scenario is through the main steam piping into the condenser bay. Turbine building ventilation takes a suction on the condenser bay and discharges to the reactor building plenum. The activity is then released to the environment through the reactor building vent. In this exercise it is assumed that the reactor core damage does not occur.

2. Effluent, Process, and Area Radiation Monitor data was developed on the PNPS simulator. Radiological information was modeled directly by the simulator to allow maximum consistency between plant and radiological conditions.

3. Radioactive material released (simulated) will consist of noble gases and halogens. Noble gas and halogen relative abundances will be consistent with the release of reactor coolant at normal post shut down activity. The release path does not pass through the SBGT system and hold up times are negligible therefore no filtration credit is given for halogens.

4. Reactor building vent release concentrations are based upon a release flow rate of 20,000 CFM. This is consistent with the isolation of the reactor building ventilation, initiation of the Standby Gas Treatment System, and continued use of Radwaste building, Off-Gas building, and Turbine building (high) fans.

5. Onsite and field data will be provided to plant teams only when they perform appropriate tasks and request specific information.

Dose Assessment Data

1. Dose assessment data is not provided in this scenario. The release rate is not sufficient to cause offsite dose to exceed normal background levels or require any protective action recommendations.

Count Room Data

1. The fractions for the various radionuclides are taken from historical plant data.

2. Core damage assessment was performed using EP-IP-330, "Core Damage". It is assumed the reactor has been operating at an average power of 97% for 200 days. There is no core damage postulated in this scenario.

5.1 Radiological Assumptions

3. Dose rates from post-accident samples were calculated using the Radiological Health Handbook rule of thumb:

$$\text{R/hr at 1 foot } 5.64CE$$

where:

C = number of curies

E = energy in MeV

E is conservatively assumed to be 0.5 MeV for iodine and 0.7 MeV for noble gases. Shielded values assume a 2 inch lead pig is used.

Inplant Radiological Data

1. The fractions for the various radionuclides are taken from historical plant data.

2. Immersion dose rates were developed by calculating a center point dose in a semi-infinite cloud of noble gases, utilizing the formula:

$$D = \sum X_i \cdot DF_i$$

where:

D = gamma air dose

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 Regulatory Guide 1.109, Table B-1, pp. 1.109-21.

3. Where appropriate, dose rates from affected plant systems are calculated using point, line, and plane source equations. The dose contributions are also reflected on the affected area radiation monitor readings.

4. Air sample results are calculated utilizing EP-IP-440, "Emergency Exposure Controls". Iodine concentrations are calculated using an assumed air sample volume of 20 ft^3 and a background level of 50 CPM. SAM-II efficiencies are assumed to be 1.5% and RM-14 efficiencies to be 10%.

Environmental Data

1. Environmental and field survey data is not provided in this scenario. The release rate is not sufficient to cause field measurements to increase beyond background levels.

Section 5.2
Messages and Trend Data

Meteorological Data

Scenario Time	220' Tower °From	220' Tower MPH	160' Tower °From	160' Tower MPH	33' Tower °From	33' Tower MPH	Delta T °F	Air Temp °F
00:00	018	8.0	016	7.5	020	6.7	-1.8	56
00:15	020	8.2	018	7.7	022	6.9	-1.8	56
00:30	021	8.8	019	8.3	023	7.5	-1.5	56
00:45	025	8.4	023	7.9	027	7.1	-1.5	57
01:00	029	8.0	027	7.5	031	6.7	-1.5	57
01:15	031	7.5	029	7.0	033	6.2	-1.6	57
01:25	033	7.9	031	7.4	035	6.6	-1.6	58
01:30	035	10.0	033	9.5	037	8.7	-1.6	58
01:45	038	7.2	036	6.7	040	5.9	-1.6	58
02:00	040	7.0	038	6.5	042	5.7	-1.7	59
02:15	045	6.7	043	6.2	047	5.4	-1.7	59
02:30	049	6.4	047	5.9	051	5.1	-1.7	59
02:45	052	6.6	050	6.1	054	5.3	-1.7	60
03:00	055	6.4	053	5.9	057	5.1	-1.7	60
03:15	056	6.1	054	5.6	058	4.8	-1.8	60
03:20	057	7.0	055	6.5	059	5.7	-1.8	61
03:30	058	6.0	056	5.5	060	4.7	-1.8	61
03:45	060	5.8	058	5.3	062	4.5	-1.8	62
04:00	062	5.6	060	5.1	064	4.3	-1.7	62

Table 5.2-1

Vent and Flow Data

SBGT CFM	RB Vent CFM	Mn Stack CFM	TB Vent CFM
ISOLATED	105,000	16,000	140,000
ISOLATED	105,000	16,000	140,000
ISOLATED	105,000	16,000	140,000
ISOLATED	105,000	16,000	140,000
ISOLATED	105,000	20,000	140,000
ISOLATED	105,000	20,000	140,000
8,000	ISOLATED	24,000	140,000
8,000	ISOLATED	24,000	140,000
4,000	ISOLATED	20,000	140,000
4,000	ISOLATED	20,000	140,000
4,000	ISOLATED	20,000	140,000
4,000	ISOLATED	20,000	140,000
4,000	ISOLATED	20,000	140,000
4,000	ISOLATED	20,000	140,000
4,000	ISOLATED	20,000	140,000
4,000	ISOLATED	20,000	140,000
4,000	ISOLATED	20,000	140,000
4,000	ISOLATED	20,000	140,000

Table 5.2-2

Forecast Message No.: 1 Scenario Time: 0100

SOUTHERN NEW ENGLAND ZONE FORECASTS NATIONAL WEATHER SERVICE, BOSTON MA.

An unstable weather pattern dominates the region. Low pressure will develop from the south causing winds to shift to a more westerly direction. Clouds will continue to develop with an increasing chance of precipitation towards evening. Rain will be ending by tomorrow morning with the low pressure area gradually moving offshore by tomorrow afternoon.

GREATER BOSTON METROPOLITAN AREA NORTHEASTERN, COASTAL, AND SOUTHEASTERN MA.

This morning cloudy with temperatures ranging 50° to 55°F. Winds from the NNE 5 to 10 MPH with gusts of up to 20 MPH. 20% chance of precipitation.

This afternoon increasing clouds with temperatures 55° to 60°. Winds from the ENE 5 to 10 MPH with gusts of up to 20 MPH. 40% chance of precipitation.

This evening cloudy with temperatures 55° to 60°. Winds from the East 10 to 15 MPH with gusts of up to 25 MPH. 60% chance of precipitation.

Tonight cloudy, windy, and rainy with temperatures 50° to 55°. Winds from the East 13 to 18 MPH with gusts of up to 25 MPH. 80% chance of precipitation.

Tomorrow decreasing cloudiness with high temperatures 60° to 65°. Winds steady from the SE 8 to 13 MPH. 40% chance of precipitation.

Long range forecast clear skies with high temperatures 60° to 65° and low temperatures 50° to 55°. Winds will shift from the SSE 5 to 10 MPH.

CAPE COD AND THE ISLANDS, SOUTH COASTAL, AND COASTAL R.I.

This morning cloudy with temperatures ranging 50° to 55°F. Winds from the NNE 5 to 10 MPH with gusts of up to 20 MPH. 20% chance of precipitation.

This afternoon increasing clouds with temperatures 55° to 60°. Winds from the ENE 5 to 10 MPH with gusts of up to 20 MPH. 40% chance of precipitation.

This evening cloudy with temperatures 55° to 60°. Winds from the East 10 to 15 MPH with gusts of up to 25 MPH. 60% chance of precipitation.

Tonight cloudy, windy, and rainy with temperatures 50° to 55°. Winds from the East 13 to 18 MPH with gusts of up to 25 MPH. 80% chance of precipitation.

Tomorrow decreasing cloudiness with high temperatures 60° to 65°. Winds steady from the SE 8 to 13 MPH. 40% chance of precipitation.

Long range forecast clear skies with high temperatures 60° to 65° and low temperatures 50° to 55°. Winds will shift from the SSE 5 to 10 MPH.

Forecast Message No.: 2 Scenario Time: 0200

SOUTHERN NEW ENGLAND ZONE FORECASTS NATIONAL WEATHER SERVICE, BOSTON MA.

An unstable weather pattern dominates the region. Low pressure will develop from the south causing winds to shift to a more westerly direction. Clouds will continue to develop with an increasing chance of precipitation towards evening. Rain will be ending by tomorrow morning with the low pressure area gradually moving offshore by tomorrow afternoon

GREATER BOSTON METROPOLITAN AREA NORTHEASTERN, COASTAL, AND SOUTHEASTERN MA.

This morning cloudy with temperatures ranging 50° to 55°F. Winds from the NNE 5 to 10 MPH with gusts of up to 20 MPH. 20% chance of precipitation.

This afternoon increasing clouds with temperatures 55° to 60°. Winds from the ENE 5 to 10 MPH with gusts of up to 20 MPH. 40% chance of precipitation.

This evening cloudy with temperatures 55° to 60°. Winds from the East 10 to 15 MPH with gusts of up to 25 MPH. 60% chance of precipitation.

Tonight cloudy, windy, and rainy with temperatures 50° to 55°. Winds from the East 13 to 18 MPH with gusts of up to 25 MPH. 80% chance of precipitation.

Tomorrow decreasing cloudiness with high temperatures 60° to 65°. Winds steady from the SE 8 to 13 MPH. 40% chance of precipitation.

Long range forecast clear skies with high temperatures 60° to 65° and low temperatures 50° to 55°. Winds will shift from the SSE 5 to 10 MPH.

CAPE COD AND THE ISLANDS, SOUTH COASTAL, AND COASTAL R.I.

This morning cloudy with temperatures ranging 50° to 55°F. Winds from the NNE 5 to 10 MPH with gusts of up to 20 MPH. 20% chance of precipitation.

This afternoon increasing clouds with temperatures 55° to 60°. Winds from the ENE 5 to 10 MPH with gusts of up to 20 MPH. 40% chance of precipitation.

This evening cloudy with temperatures 55° to 60°. Winds from the East 10 to 15 MPH with gusts of up to 25 MPH. 60% chance of precipitation.

Tonight cloudy, windy, and rainy with temperatures 50° to 55°. Winds from the East 13 to 18 MPH with gusts of up to 25 MPH. 80% chance of precipitation.

Tomorrow decreasing cloudiness with high temperatures 60° to 65°. Winds steady from the SE 8 to 13 MPH. 40% chance of precipitation.

Long range forecast clear skies with high temperatures 60° to 65° and low temperatures 50° to 55°. Winds will shift from the SSE 5 to 10 MPH.

Forecast Message No.: 3 Scenario Time: 0300

SOUTHERN NEW ENGLAND ZONE FORECASTS NATIONAL WEATHER SERVICE, BOSTON MA.

An unstable weather pattern dominates the region. Low pressure will develop from the south causing winds to shift to a more westerly direction. Clouds will continue to develop with an increasing chance of precipitation towards evening. Rain will be ending by tomorrow morning with the low pressure area gradually moving offshore by tomorrow afternoon

GREATER BOSTON METROPOLITAN AREA NORTHEASTERN, COASTAL, AND SOUTHEASTERN MA.

This morning cloudy with temperatures ranging 50° to 55°F. Winds from the NNE 5 to 10 MPH with gusts of up to 20 MPH. 20% chance of precipitation.

This afternoon increasing clouds with temperatures 55° to 60°. Winds from the ENE 5 to 10 MPH with gusts of up to 20 MPH. 40% chance of precipitation.

This evening cloudy with temperatures 55° to 60°. Winds from the East 10 to 15 MPH with gusts of up to 25 MPH. 60% chance of precipitation.

Tonight cloudy, windy, and rainy with temperatures 50° to 55°. Winds from the East 13 to 18 MPH with gusts of up to 25 MPH. 80% chance of precipitation.

Tomorrow decreasing cloudiness with high temperatures 60° to 65°. Winds steady from the SE 8 to 13 MPH. 40% chance of precipitation.

Long range forecast clear skies with high temperatures 60° to 65° and low temperatures 50° to 55°. Winds will shift from the SSE 5 to 10 MPH.

CAPE COD AND THE ISLANDS, SOUTH COASTAL, AND COASTAL R.I.

This morning cloudy with temperatures ranging 50° to 55°F. Winds from the NNE 5 to 10 MPH with gusts of up to 20 MPH. 20% chance of precipitation.

This afternoon increasing clouds with temperatures 55° to 60°. Winds from the ENE 5 to 10 MPH with gusts of up to 20 MPH. 40% chance of precipitation.

This evening cloudy with temperatures 55° to 60°. Winds from the East 10 to 15 MPH with gusts of up to 25 MPH. 60% chance of precipitation.

Tonight cloudy, windy, and rainy with temperatures 50° to 55°. Winds from the East 13 to 18 MPH with gusts of up to 25 MPH. 80% chance of precipitation.

Tomorrow decreasing cloudiness with high temperatures 60° to 65°. Winds steady from the SE 8 to 13 MPH. 40% chance of precipitation.

Long range forecast clear skies with high temperatures 60° to 65° and low temperatures 50° to 55°. Winds will shift from the SSE 5 to 10 MPH.

Forecast Message No.: 4 Scenario Time: 0400

SOUTHERN NEW ENGLAND ZONE FORECASTS
NATIONAL WEATHER SERVICE, BOSTON MA.

An unstable weather pattern dominates the region. Low pressure will develop from the south causing winds to shift to a more westerly direction. Clouds will continue to develop with an increasing chance of precipitation towards evening. Rain will be ending by tomorrow morning with the low pressure area gradually moving offshore by tomorrow afternoon

GREATER BOSTON METROPOLITAN AREA NORTHEASTERN, COASTAL, AND SOUTHEASTERN MA.

This morning cloudy with temperatures ranging 50° to 55°F. Winds from the NNE 5 to 10 MPH with gusts of up to 20 MPH. 20% chance of precipitation.

This afternoon increasing clouds with temperatures 55° to 60°. Winds from the ENE 5 to 10 MPH with gusts of up to 20 MPH. 40% chance of precipitation.

This evening cloudy with temperatures 55° to 60°. Winds from the East 10 to 15 MPH with gusts of up to 25 MPH. 60% chance of precipitation.

Tonight cloudy, windy, and rainy with temperatures 50° to 55°. Winds from the East 13 to 18 MPH with gusts of up to 25 MPH. 80% chance of precipitation.

Tomorrow decreasing cloudiness with high temperatures 60° to 65°. Winds steady from the SE 8 to 13 MPH. 40% chance of precipitation.

Long range forecast clear skies with high temperatures 60° to 65° and low temperatures 50° to 55°. Winds will shift from the SSE 5 to 10 MPH.

CAPE COD AND THE ISLANDS, SOUTH COASTAL, AND COASTAL R.I.

This morning cloudy with temperatures ranging 50° to 55°F. Winds from the NNE 5 to 10 MPH with gusts of up to 20 MPH. 20% chance of precipitation.

This afternoon increasing clouds with temperatures 55° to 60°. Winds from the ENE 5 to 10 MPH with gusts of up to 20 MPH. 40% chance of precipitation.

This evening cloudy with temperatures 55° to 60°. Winds from the East 10 to 15 MPH with gusts of up to 25 MPH. 60% chance of precipitation.

Tonight cloudy, windy, and rainy with temperatures 50° to 55°. Winds from the East 13 to 18 MPH with gusts of up to 25 MPH. 80% chance of precipitation.

Tomorrow decreasing cloudiness with high temperatures 60° to 65°. Winds steady from the SE 8 to 13 MPH. 40% chance of precipitation.

Long range forecast clear skies with high temperatures 60° to 65° and low temperatures 50° to 55°. Winds will shift from the SSE 5 to 10 MPH.

Effluent Radiation Monitor Trend Data

Table 5.2-3

1705-18	ERM-1	MAIN STACK LOW (CPS)	ST 23'
1001-608	ERM-2	MAIN STACK HIGH (R/HR)	ST 23'
1705-32	ERM-3	RB VENT LOW (CPS)	TB 51'
1001-609	ERM-4	RB VENT HIGH (R/HR)	TB 51'
1001-610	ERM-5	TB VENT HIGH (R/HR)	TB 51'

Time	ERM-1	ERM-2	ERM-3	ERM-4	ERM-5
00:00	70.6	DS	37.7	DS	DS
00:15	69.1	DS	37.7	DS	DS
00:30	67.2	DS	37.7	DS	DS
00:45	58.9	DS	36.7	DS	DS
01:00	48.9	DS	35.1	DS	DS
01:15	46.6	DS	34.8	DS	DS
01:25	48.3	DS	20.4	DS	DS
01:30	54.5	DS	31.9	DS	DS
01:45	33.7	DS	17.6	DS	DS
02:00	21.4	DS	17.7	DS	DS
02:15	19.1	DS	17.5	DS	DS
02:30	11.6	DS	28.8	DS	DS
02:45	14.1	DS	29.4	DS	DS
03:00	14.0	DS	29.2	DS	DS
03:15	13.8	DS	29.4	DS	DS
03:20	17.0	DS	138.6	DS	DS
03:30	20.6	DS	42.2	DS	DS
03:45	18.1	DS	36.6	DS	DS
04:00	11.7	DS	29.3	DS	DS

Process Radiation Monitor Trend Data

Table 5.2-4

PRM-1	1705-2	MAIN STEAM LINE A	mR/hr	RB 23'
PRM-2	1705-2	MAIN STEAM LINE B	mR/hr	RB 23'
PRM-3	1705-2	MAIN STEAM LINE C	mR/hr	RB 23'
PRM-4	1705-2	MAIN STEAM LINE D	mR/hr	RB 23'
PRM-5	1705-3	AIR EJECTOR OFF GAS	mR/hr	TB 3'
PRM-6	1705-4	RBCCW LOOP A	CPS	AB 23'
PRM-7	1705-4	RBCCW LOOP B	CPS	AB 23'
PRM-8	1705-8	REFUEL FLOOR VENT	mR/hr	RB 117'
PRM-9	1705-9	SBGT SYSTEM	mR/hr	TB 51'
PRM-10	1705-16	CONTROL ROOM AIR	mR/hr	TB 37'
PRM-11	1705-30	RADWASTE DISCHARGE	CPS	RW 1'
PRM-12	1705-5	OG POST TREATMENT	CPS	AOG 23'
PRM-13	606	DRYWELL CHRMS A	R/hr	
PRM-14	606	DRYWELL CHRMS B	R/hr	
PRM-15	607	TORUS CHRMS A	R/hr	
PRM-16	607	TORUS CHRMS B	R/hr	

Time	PRM-1	PRM-2	PRM-3	PRM-4	PRM-5	PRM-6	PRM-7	PRM-8	PRM-9	PRM-10	PRM-11	PRM-12	PRM-13	PRM-14	PRM-15	PRM-16
00:00	632.9	814.5	545.1	632.9	23.9	4015.0	4025.0	6.0	3.0	0.0	4000.0	4319.0	1.1	1.0	0.0	0.0
00:15	630.6	811.6	543.1	630.6	23.8	3715.0	3725.0	6.0	3.0	0.0	4000.0	4208.0	1.9	1.8	0.0	0.0
00:30	628.5	808.9	541.3	628.5	23.6	3431.0	3441.0	6.0	3.0	0.0	4000.0	4101.0	3.0	2.9	0.0	0.0
00:45	558.7	719.1	481.2	558.7	22.2	3174.0	3184.0	6.0	3.0	0.0	4000.0	3984.0	3.8	3.7	0.0	0.0
01:00	448.4	577.2	386.2	448.4	18.9	2945.0	2955.0	6.0	3.0	0.0	4000.0	3746.0	4.3	4.2	0.0	0.0
01:15	429.9	553.3	370.2	429.9	17.1	2741.0	2751.0	6.0	3.0	0.0	4000.0	3413.0	4.6	4.5	0.0	0.0
01:25	66.3	85.4	57.0	66.3	16.6	2557.0	2567.0	6.0	3.0	0.0	4000.0	3150.0	4.5	4.4	0.3	0.2
01:30	312.5	402.2	268.6	312.5	16.1	2590.0	2600.0	6.0	3.0	0.0	4000.0	2887.0	4.6	4.5	0.2	0.2
01:45	53.4	68.7	45.9	53.4	10.7	2391.0	2401.0	6.0	3.0	0.0	4000.0	1976.0	3.4	3.3	0.5	0.5
02:00	50.9	65.5	43.8	50.9	7.7	2241.0	2251.0	6.0	3.0	0.0	4000.0	1259.0	3.1	3.0	0.5	0.4
02:15	18.4	23.6	15.8	18.4	7.4	2113.0	2123.0	6.0	3.0	0.0	4000.0	659.0	2.9	2.8	0.4	0.3
02:30	18.1	23.3	15.6	18.1	7.4	1996.0	2006.0	6.0	3.0	0.0	4000.0	438.0	2.6	2.5	0.3	0.3
02:45	56.2	72.3	48.3	56.2	7.3	1885.0	1895.0	6.0	3.0	0.0	4000.0	391.0	2.4	2.3	0.2	0.2
03:00	45.2	58.1	38.9	45.2	6.9	1794.0	1804.0	6.0	3.0	0.0	4000.0	356.0	2.3	2.2	0.2	0.2
03:15	86.7	111.6	74.7	86.7	6.6	1711.0	1721.0	6.0	3.0	0.0	4000.0	310.0	2.2	2.1	0.2	0.1
03:20	176.3	226.9	151.8	176.3	5.9	1702.0	1712.0	6.0	3.0	0.0	4000.0	576.0	2.2	2.1	0.2	0.1
03:30	103.1	132.6	88.7	103.1	5.3	1635.0	1645.0	6.0	3.0	0.0	4000.0	200.0	2.0	1.9	0.1	0.1
03:45	80.7	103.9	69.5	80.7	5.8	1568.0	1578.0	6.0	3.0	0.0	4000.0	200.0	1.9	1.8	0.1	0.1
04:00	17.6	22.6	15.1	17.6	5.8	1509.0	1519.0	6.0	3.0	0.0	4000.0	200.0	1.8	1.7	0.1	0.1

Area Radiation Monitor Trend Data

Table 5.2-5

1705-60	CHARCOAL BED VAULT	AOG 5'	ARM-5	RADWASTE CORRIDOR	RW 1'	ARM-10	RX ACCESS AREA S.E.	RB 23'
ARM-1	COND. PUMP STAIR	TB 3'	ARM-6	RADWASTE SUMP AREA	RW13'	ARM-11	NEW FUEL RACKS	RB 117'
ARM-2	FEEDWATER HEATERS	TB 6'	ARM-7	CHEM. WASTE TANK	RW 1'	ARM-12	NEW FUEL VAULT	RB 93'
ARM-3	MAIN CONTROL ROOM	TB 37'	ARM-8	OUTSIDE TIP ROOM	RB 23'	ARM-13	SHIELD PLUG AREA	RB117'
ARM-4	TURB FRONT STANDARD	TB 51'	ARM-9	RADWASTE SHIP. LOCK	TB 23'	ARM-14	SPENT FUEL POOL AREA	RB117'

(All ARM's Read in mR/hr)

Time	1705-60	ARM-1	ARM-2	ARM-3	ARM-4	ARM-5	ARM-6	ARM-7	ARM-8	ARM-9	ARM-10	ARM-11	ARM-12	ARM-13	ARM-14
00:00	61.6	2.0	18.4	0.0	10.1	2.6	89.9	5.4	0.1	0.7	4.0	0.5	0.2	1.0	10.0
00:15	60.1	2.0	18.4	0.0	10.1	2.6	89.9	5.4	0.1	0.7	4.0	0.5	0.2	1.0	10.0
00:30	58.5	2.0	18.3	0.0	10.1	2.6	89.9	5.4	0.1	0.7	4.0	0.5	0.2	1.0	10.0
00:45	56.8	2.0	16.3	0.0	9.2	2.6	89.9	5.4	0.1	0.7	4.0	0.5	0.2	1.0	10.0
01:00	53.4	1.9	14.0	0.0	7.7	2.6	89.9	5.4	0.1	0.7	4.0	0.5	0.2	1.0	10.0
01:15	48.6	1.9	13.5	0.0	7.4	2.6	89.9	5.4	0.1	0.7	4.0	0.5	0.2	1.0	10.0
01:25	44.8	1.9	6.4	0.0	3.5	2.6	89.9	5.4	0.1	0.7	4.0	0.5	0.2	1.0	10.0
01:30	41.0	1.9	11.9	0.0	6.5	2.6	89.9	5.4	0.1	0.7	4.0	0.5	0.2	1.0	10.0
01:45	28.0	1.8	4.4	0.0	2.4	2.6	89.9	5.4	0.1	0.7	4.0	0.5	0.2	1.0	10.0
02:00	17.7	1.8	4.4	0.0	2.4	2.6	89.9	5.4	0.1	0.7	4.0	0.5	0.2	1.0	10.0
02:15	9.3	1.8	3.6	0.0	2.0	2.6	89.9	5.4	0.1	0.7	4.0	0.5	0.2	1.0	10.0
02:30	6.2	1.8	3.6	0.0	2.0	2.6	89.9	5.4	0.1	0.7	4.0	0.5	0.2	1.0	10.0
02:45	5.6	1.8	4.5	0.0	2.5	2.6	89.9	5.4	0.1	0.7	4.0	0.5	0.2	1.0	10.0
03:00	5.0	1.8	4.9	0.0	2.7	2.6	89.9	5.4	0.1	0.7	4.0	0.5	0.2	1.0	10.0
03:15	4.4	1.9	5.2	0.0	2.9	2.6	89.9	5.4	0.1	0.7	4.0	0.5	0.2	1.0	10.0
03:20	3.6	1.9	7.4	0.0	4.0	2.6	89.9	5.4	0.1	0.7	4.0	0.5	0.2	1.0	10.0
03:30	2.9	1.9	5.7	0.0	3.1	2.6	89.9	5.4	0.1	0.7	4.0	0.5	0.2	1.0	10.0
03:45	2.9	1.9	5.1	0.0	2.8	2.6	89.9	5.4	0.1	0.7	4.0	0.5	0.2	1.0	10.0
04:00	2.9	1.8	4.0	0.0	2.2	2.6	89.9	5.4	0.1	0.7	4.0	0.5	0.2	1.0	10.0

PROCESS RADIATION MONITORS

TIME: 00:00

PANNEL/ID NO.	MONITOR	Trend	READING		Alarm in	RANGE
C910/1705-18	Main Stack Lo		70.6	CPS		10^{-1} - 10^{6}
C910/1001-608	Main Stack Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-32	Rx Bldg Vent Lo		37.7	CPS		10^{-1} - 10^{6}
C910/1001-609	Rx Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1001-610	Turbine Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-2	Main Steam Line A		632.9	mR/hr		10^{0} - 10^{6}
	Main Steam Line B		814.5	mR/hr		10^{0} - 10^{6}
	Main Steam Line C		545.1	mR/hr		10^{0} - 10^{6}
	Main Steam Line D		632.9	mR/hr		10^{0} - 10^{6}
C910/1705-3	Air Ejector Off Gas		23.9	mR/hr		10^{0} - 10^{6}
C910/1705-4	RBCCW Loop A		4015	CPS		10^{-1} - 10^{6}
	RBCCW Loop B		4025	CPS		10^{-1} - 10^{6}
C910/1705-8	Refuel Floor Vent		6	mR/hr		10^{-1} - 10^{3}
C910/1705-9	SBGT Exhaust		3	mR/hr		10^{0} - 10^{4}
C910/1705-16	Control Rm Air Intake		0	mR/hr		10^{-2} - 10^{2}
C910/1705-30	R/W Discharge		4000	CPS		10^{-1} - 10^{6}
C910/1705-5	Off Gas Post Treatment		4319	CPS		10^{-1} - 10^{6}
C170/1001-606	Drywell CHRMS A		1.1	R/hr		10^{0} - 10^{7}
	Drywell CHRMS B		1	R/hr		10^{0} - 10^{7}
C170/1001-607	Torus CHRMS A		0	R/hr		10^{0} - 10^{7}
	Torus CHRMS B		0	R/hr		10^{0} - 10^{7}

FLOW RATES Pannel C7

SBGT FI8126/7 ISOLATED CFM

Rx Bldg FI8116A 105000 CFM

Main Stack 16000 CFM*

TB Vent 140000 CFM*

MET DATA Pannel MT1

			220'	160'	033'	
Delta Temp	-1.8 Deg. F	Dir (from)	18	16	20	Deg.
Outside Temp	56 Deg. F	Speed	8	7.5	6.7	MPH
Stability Class	D *					
Precip	None *					

* Not Available in Control Room OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

PROCESS RADIATION MONITORS

TIME: 00:15

PANNEL/ID NO.	MONITOR	Trend	READING		Alarm in	RANGE
C910/1705-18	Main Stack Lo		69.1	CPS		10^{-1} - 10^{6}
C910/1001-608	Main Stack Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-32	Rx Bldg Vent Lo		37.7	CPS		10^{-1} - 10^{6}
C910/1001-609	Rx Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1001-610	Turbine Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-2	Main Steam Line A		630.6	mR/hr		10^{0} - 10^{6}
	Main Steam Line B		611.6	mR/hr		10^{0} - 10^{6}
	Main Steam Line C		543.1	mR/hr		10^{0} - 10^{6}
	Main Steam Line D		630.6	mR/hr		10^{0} - 10^{6}
C910/1705-3	Air Ejector Off Gas		23.8	mR/hr		10^{0} - 10^{6}
C910/1705-4	RBCCW Loop A		3715	CPS		10^{-1} - 10^{6}
	RBCCW Loop B		3725	CPS		10^{-1} - 10^{6}
C910/1705-8	Refuel Floor Vent		6	mR/hr		10^{-1} - 10^{3}
C910/1705-9	SBGT Exhaust		3	mR/hr		10^{0} - 10^{4}
C910/1705-16	Control Rm Air Intake		0	mR/hr		10^{-2} - 10^{2}
C910/1705-30	R/W Discharge		4000	CPS		10^{-1} - 10^{6}
C910/1705-5	Off Gas Post Treatment		4208	CPS		10^{-1} - 10^{6}
C170/1001-606	Drywell CHRMS A		1.9	R/hr		10^{0} - 10^{7}
	Drywell CHRMS B		1.8	R/hr		10^{0} - 10^{7}
C170/1001-607	Torus CHRMS A		0	R/hr		10^{0} - 10^{7}
	Torus CHRMS B		0	R/hr		10^{0} - 10^{7}

FLOW RATES Pannel C7

SBGT FI8126/7 ISOLATED CFM — Main Stack 16000 CFM*

Rx Bldg FI8116A 105000 CFM — TB Vent 140000 CFM*

MET DATA Pannel MT1

		220'	*160'	033'	
Delta Temp	-1.8 Deg. F	Dir (from)	20	18	22 Deg.
Outside Temp	56 Deg. F	Speed	8.2	7.7	6.9 MPH
Stability Class	D *				
Precip	None *				

* Not Available in Control Room OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

This is a Drill

PROCESS RADIATION MONITORS

TIME: 00:30

PANNEL/ID NO.	MONITOR	Trend	READING		Alarm In	RANGE
C910/1705-18	Main Stack Lo		67.2	CPS		10^{-1} - 10^{6}
C910/1001-608	Main Stack Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-32	Rx Bldg Vent Lo		37.7	CPS		10^{-1} - 10^{6}
C910/1001-609	Rx Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1001-610	Turbine Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-2	Main Steam Line A		628.5	mR/hr		10^{0} - 10^{6}
	Main Steam Line B		808.9	mR/hr		10^{0} - 10^{6}
	Main Steam Line C		541.3	mR/hr		10^{0} - 10^{6}
	Main Steam Line D		628.5	mR/hr		10^{0} - 10^{6}
C910/1705-3	Air Ejector Off Gas		23.6	mR/hr		10^{0} - 10^{6}
C910/1705-4	RBCCW Loop A		3431	CPS		10^{-1} - 10^{6}
	RBCCW Loop B		3441	CPS		10^{-1} - 10^{6}
C910/1705-8	Refuel Floor Vent		5	mR/hr		10^{-1} - 10^{3}
C910/1705-9	SBGT Exhaust		3	mR/hr		10^{0} - 10^{4}
C910/1705-16	Control Rm Air Intake		0	mR/hr		10^{-2} - 10^{2}
C910/1705-30	R/W Discharge		4000	CPS		10^{-1} - 10^{6}
C910/1705-5	Off Gas Post Treatment		4101	CPS		10^{-1} - 10^{6}
C170/1001-606	Drywell CHRMS A		3	R/hr		10^{0} - 10^{7}
	Drywell CHRMS B		2.9	R/hr		10^{0} - 10^{7}
C170/1001-607	Torus CHRMS A		0	R/hr		10^{0} - 10^{7}
	Torus CHRMS B		0	R/hr		10^{0} - 10^{7}

FLOW RATES Pannel C7

SBGT FI8126/7 ISOLATED CFM

Rx Bldg FI8116A 105000 CFM

Main Stack 16000 CFM*

TB Vent 140000 CFM*

MET DATA Pannel MT1

			220'	160'	033'	
Delta Temp	-1.5 Deg. F	Dir (from)	21	19	23	Deg.
Outside Temp	56 Deg. F	Speed	8.8	8.3	7.5	MPH
Stability Class	D *					
Precip	None *					

* Not Available in Control Room OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

PROCESS RADIATION MONITORS

TIME: 00:45

PANNEL/ID NO.	MONITOR	Trend	READING		Alarm in	RANGE
C910/1705-18	Main Stack Lo		58.9	CPS		10^{-1} - 10^{6}
C910/1001-608	Main Stack Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-32	Rx Bldg Vent Lo		36.7	CPS		10^{-1} - 10^{6}
C910/1001-609	Rx Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1001-610	Turbine Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-2	Main Steam Line A		558.7	mR/hr		10^{0} - 10^{6}
	Main Steam Line B		719.1	mR/hr		10^{0} - 10^{6}
	Main Steam Line C		481.2	mR/hr		10^{0} - 10^{6}
	Main Steam Line D		558.7	mR/hr		10^{0} - 10^{6}
C910/1705-3	Air Ejector Off Gas		22.2	mR/hr		10^{0} - 10^{6}
C910/1705-4	RBCCW Loop A		3174	CPS		10^{-1} - 10^{6}
	RBCCW Loop B		3184	CPS		10^{-1} - 10^{6}
C910/1705-8	Refuel Floor Vent		6	mR/hr		10^{-1} - 10^{3}
C910/1705-9	SBGT Exhaust		3	mR/hr		10^{0} - 10^{4}
C910/1705-16	Control Rm Air Intake		0	mR/hr		10^{-2} - 10^{2}
C910/1705-30	R/W Discharge		4000	CPS		10^{-1} - 10^{6}
C910/1705-5	Off Gas Post Treatment		3984	CPS		10^{-1} - 10^{6}
C170/1001-606	Drywell CHRMS A		3.8	R/hr		10^{0} - 10^{7}
	Drywell CHRMS B		3.7	R/hr		10^{0} - 10^{7}
C170/1001-607	Torus CHRMS A		0	R/hr		10^{0} - 10^{7}
	Torus CHRMS B		0	R/hr		10^{0} - 10^{7}

FLOW RATES Pannel C7

SBGT FI8126/7 ISOLATED CFM Main Stack 16000 CFM*

Rx Bldg FI8116A 105000 CFM TB Vent 140000 CFM*

MET DATA Pannel MT1

			220'	160'	033'	
Delta Temp	-1.5 Deg. F	Dir (from)	25	23	27	Deg.
Outside Temp	57 Deg. F	Speed	8.4	7.9	7.1	MPH

Stability Class D *

Precip None *

* Not Available in Control Room OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

PROCESS RADIATION MONITORS

TIME: 01:00

PANNEL/ID NO.	MONITOR	Trend	READING		Alarm In	RANGE
C910/1705-18	Main Stack Lo		48.9	CPS		10^{-1} - 10^{6}
C910/1001-608	Main Stack Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-32	Rx Bldg Vent Lo		35.1	CPS		10^{-1} - 10^{6}
C910/1001-609	Rx Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1001-610	Turbine Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-2	Main Steam Line A		448.4	mR/hr		10^{0} - 10^{6}
	Main Steam Line B		577.2	mR/hr		10^{0} - 10^{6}
	Main Steam Line C		386.2	mR/hr		10^{0} - 10^{6}
	Main Steam Line D		448.4	mR/hr		10^{0} - 10^{6}
C910/1705-3	Air Ejector Off Gas		18.9	mR/hr		10^{0} - 10^{6}
C910/1705-4	RBCCW Loop A		2945	CPS		10^{-1} - 10^{6}
	RBCCW Loop B		2955	CPS		10^{-1} - 10^{6}
C910/1705-8	Refuel Floor Vent		6	mR/hr		10^{-1} - 10^{3}
C910/1705-9	SBGT Exhaust		3	mR/hr		10^{0} - 10^{4}
C910/1705-16	Control Rm Air Intake		0	mR/hr		10^{-2} - 10^{2}
C910/1705-30	R/W Discharge		4000	CPS		10^{-1} - 10^{6}
C910/1705-5	Off Gas Post Treatment		3746	CPS		10^{-1} - 10^{6}
C170/1001-606	Drywell CHRMS A		4.3	R/hr		10^{0} - 10^{7}
	Drywell CHRMS B		4.2	R/hr		10^{0} - 10^{7}
C170/1001-607	Torus CHRMS A		0	R/hr		10^{0} - 10^{7}
	Torus CHRMS B		0	R/hr		10^{0} - 10^{7}

FLOW RATES Pannel C7

SBGT FI8126/7 ISOLATED CFM — Main Stack 20000 CFM*

Rx Bldg FI8116A 105000 CFM — TB Vent 140000 CFM*

MET DATA Pannel MT1

			220'	*160'	033'	
Delta Temp	-1.5	Deg. F	Dir (from)	29	27	31	Deg.
Outside Temp	57	Deg. F	Speed	8	7.5	6.7	MPH
Stability Class	D	*					
Precip	None	*					

* Not Available in Control Room OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

PROCESS RADIATION MONITORS

TIME: 01:15

PANNEL/ID NO.	MONITOR	Trend	READING		Alarm In	RANGE
C910/1705-18	Main Stack Lo		46.6	CPS		10^{-1} - 10^{6}
C910/1001-608	Main Stack Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-32	Rx Bldg Vent Lo		34.8	CPS		10^{-1} - 10^{6}
C910/1001-609	Rx Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1001-610	Turbine Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-2	Main Steam Line A		429.9	mR/hr		10^{0} - 10^{6}
	Main Steam Line B		553.3	mR/hr		10^{0} - 10^{6}
	Main Steam Line C		370.2	mR/hr		10^{0} - 10^{6}
	Main Steam Line D		429.9	mR/hr		10^{0} - 10^{6}
C910/1705-3	Air Ejector Off Gas		17.1	mR/hr		10^{0} - 10^{6}
C910/1705-4	RBCCW Loop A		2741	CPS		10^{-1} - 10^{6}
	RBCCW Loop B		2751	CPS		10^{-1} - 10^{6}
C910/1705-8	Refuel Floor Vent		6	mR/hr		10^{-1} - 10^{3}
C910/1705-9	SBGT Exhaust		3	mR/hr		10^{0} - 10^{4}
C910/1705-16	Control Rm Air Intake		0	mR/hr		10^{-2} - 10^{2}
C910/1705-30	R/W Discharge		4000	CPS		10^{-1} - 10^{6}
C910/1705-5	Off Gas Post Treatment		3413	CPS		10^{-1} - 10^{6}
C170/1001-606	Drywell CHRMS A		4.6	R/hr		10^{0} - 10^{7}
	Drywell CHRMS B		4.5	R/hr		10^{0} - 10^{7}
C170/1001-607	Torus CHRMS A		0	R/hr		10^{0} - 10^{7}
	Torus CHRMS B		0	R/hr		10^{0} - 10^{7}

FLOW RATES Pannel C7

SBGT FI8126/7 ISOLATED CFM Main Stack 20000 CFM*

Rx Bldg FI8116A 105000 CFM TB Vent 140000 CFM*

MET DATA Pannel MT1

			220'	*160'	033'	
Delta Temp	-1.6 Deg. F	Dir (from)	31	29	33	Deg.
Outside Temp	57 Deg. F	Speed	7.5	7	6.2	MPH
Stability Class	C *					
Precip	None *					

* Not Available in Control Room OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

PROCESS RADIATION MONITORS

TIME: 01:25

PANNEL/ID NO.	MONITOR	Trend	READING		Alarm In	RANGE
C910/1705-18	Main Stack Lo		48.3	CPS		10^{-1} - 10^{6}
C910/1001-608	Main Stack Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-32	Rx Bldg Vent Lo		20.4	CPS		10^{-1} - 10^{6}
C910/1001-609	Rx Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1001-610	Turbine Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-2	Main Steam Line A		66.3	mR/hr		10^{0} - 10^{6}
	Main Steam Line B		85.4	mR/hr		10^{0} - 10^{6}
	Main Steam Line C		57	mR/hr		10^{0} - 10^{6}
	Main Steam Line D		66.3	mR/hr		10^{0} - 10^{6}
C910/1705-3	Air Ejector Off Gas		16.6	mR/hr		10^{0} - 10^{6}
C910/1705-4	RBCCW Loop A		2557	CPS		10^{-1} - 10^{6}
	RBCCW Loop B		2567	CPS		10^{-1} - 10^{6}
C910/1705-8	Refuel Floor Vent		6	mR/hr		10^{-1} - 10^{3}
C910/1705-9	SBGT Exhaust		3	mR/hr		10^{0} - 10^{4}
C910/1705-16	Control Rm Air Intake		0	mR/hr		10^{-2} - 10^{2}
C910/1705-30	R/W Discharge		4000	CPS		10^{-1} - 10^{6}
C910/1705-5	Off Gas Post Treatment		3150	CPS		10^{-1} - 10^{6}
C170/1001-606	Drywell CHRMS A		4.5	R/hr		10^{0} - 10^{7}
	Drywell CHRMS B		4.4	R/hr		10^{0} - 10^{7}
C170/1001-607	Torus CHRMS A		.3	R/hr		10^{0} - 10^{7}
	Torus CHRMS B		.2	R/hr		10^{0} - 10^{7}

FLOW RATES Pannel C7

SBGT FI8126/7 8000 CFM — Main Stack 24000 CFM*

Rx Bldg FI8116A ISOLATED CFM — TB Vent 140000 CFM*

MET DATA Pannel MT1

			220'	160'	033'	
Delta Temp	-1.6 Deg. F	Dir (from)	33	31	35	Deg.
Outside Temp	58 Deg. F	Speed	7.9	7.4	6.6	MPH
Stability Class	C *					
Precip	None *					

* Not Available in Control Room OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

PROCESS RADIATION MONITORS

TIME: 01:30

PANNEL/ID NO.	MONITOR	Trend	READING		Alarm in	RANGE
C910/1705-18	Main Stack Lo		54.5	CPS		10^{-1} - 10^{6}
C910/1001-608	Main Stack Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-32	Rx Bldg Vent Lo		31.9	CPS		10^{-1} - 10^{6}
C910/1001-609	Rx Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1001-610	Turbine Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-2	Main Steam Line A		312.5	mR/hr		10^{0} - 10^{6}
	Main Steam Line B		402.2	mR/hr		10^{0} - 10^{6}
	Main Steam Line C		268.6	mR/hr		10^{0} - 10^{6}
	Main Steam Line D		312.5	mR/hr		10^{0} - 10^{6}
C910/1705-3	Air Ejector Off Gas		16.1	mR/hr		10^{0} - 10^{6}
C910/1705-4	RBCCW Loop A		2590	CPS		10^{-1} - 10^{6}
	RBCCW Loop B		2600	CPS		10^{-1} - 10^{6}
C910/1705-8	Refuel Floor Vent		6	mR/hr		10^{-1} - 10^{3}
C910/1705-9	SBGT Exhaust		3	mR/hr		10^{0} - 10^{4}
C910/1705-16	Control Rm Air Intake		0	mR/hr		10^{-2} - 10^{2}
C910/1705-30	R/W Discharge		4000	CPS		10^{-1} - 10^{6}
C910/1705-5	Off Gas Post Treatment		2887	CPS		10^{-1} - 10^{3}
C170/1001-606	Drywell CHRMS A		4.6	R/hr		10^{0} - 10^{7}
	Drywell CHRMS B		4.5	R/hr		10^{0} - 10^{7}
C170/1001-607	Torus CHRMS A		.2	R/hr		10^{0} - 10^{7}
	Torus CHRMS B		.2	R/hr		10^{0} - 10^{7}

FLOW RATES Pannel C7

SBGT FI8126/7 8000 CFM — Main Stack 24000 CFM*

Rx Bldg FI8116A ISOLATED CFM — TB Vent 140000 CFM*

MET DATA Pannel MT1

			220'	160'	033'	
Delta Temp	-1.6 Deg. F	Dir (from)	35	33	37	Deg.
Outside Temp	58 Deg. F	Speed	10	9.5	8.7	MPH
Stability Class	C *					
Precip	None *					

* Not Avaliable in Control Room OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

This is a Drill

PROCESS RADIATION MONITORS

TIME: 01:45

PANNEL/ID NO.	MONITOR	Trend	READING		Alarm In	RANGE
C910/1705-18	Main Stack Lo		33.7	CPS		10^{-1} - 10^{6}
C910/1001-608	Main Stack Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-32	Rx Bldg Vent Lo		17.6	CPS		10^{-1} - 10^{6}
C910/1001-609	Rx Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1001-610	Turbine Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-2	Main Steam Line A		53.4	mR/hr		10^{0} - 10^{6}
	Main Steam Line B		66.7	mR/hr		10^{0} - 10^{6}
	Main Steam Line C		45.9	mR/hr		10^{0} - 10^{6}
	Main Steam Line D		53.4	mR/hr		10^{0} - 10^{6}
C910/1705-3	Air Ejector Off Gas		10.7	mR/hr		10^{0} - 10^{6}
C910/1705-4	RBCCW Loop A		2391	CPS		10^{-1} - 10^{6}
	RBCCW Loop B		2401	CPS		10^{-1} - 10^{6}
C910/1705-8	Refuel Floor Vent		6	mR/hr		10^{-1} - 10^{3}
C910/1705-9	SBGT Exhaust		3	mR/hr		10^{0} - 10^{4}
C910/1705-16	Control Rm Air Intake		0	mR/hr		10^{-2} - 10^{2}
C910/1705-30	R/W Discharge		4000	CPS		10^{-1} - 10^{6}
C910/1705-5	Off Gas Post Treatment		1976	CPS		10^{-1} - 10^{6}
C170/1001-606	Drywell CHRMS A		3.4	R/hr		10^{0} - 10^{7}
	Drywell CHRMS B		3.3	R/hr		10^{0} - 10^{7}
C170/1001-607	Torus CHRMS A		.5	R/hr		10^{0} - 10^{7}
	Torus CHRMS B		.5	R/hr		10^{0} - 10^{7}

FLOW RATES Pannel C7

SBGT FI8126/7 4000 CFM — Main Stack 20000 CFM*

Rx Bldg FI8116A ISOLATED CFM — TB Vent 140000 CFM*

MET DATA Pannel MT1

			220'	160'	033'	
Delta Temp	-1.6 Deg. F	Dir (from)	38	36	40	Deg.
Outside Temp	58 Deg. F	Speed	7.2	6.7	5.9	MPH
Stability Class	C *					
Precip	None *					

* Not Available in Control Room OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

PROCESS RADIATION MONITORS

TIME: 02:00

PANNEL/ID NO.	MONITOR	Trend	READING		Alarm in	RANGE
C910/1705-18	Main Stm Lo		21.4	CPS		10^{-1} - 10^{6}
C910/1001-608	Main Stm Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-32	Rx Bldg Vent Lo		17.7	CPS		10^{-1} - 10^{6}
C910/1001-609	Rx Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1001-610	Turbine Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-2	Main Steam Line A		50.9	mR/hr		10^{0} - 10^{6}
	Main Steam Line B		65.5	mR/hr		10^{0} - 10^{6}
	Main Steam Line C		43.8	mR/hr		10^{0} - 10^{6}
	Main Steam Line D		50.9	mR/hr		10^{0} - 10^{6}
C910/1705-3	Air Ejector Off Gas		7.7	mR/hr		10^{0} - 10^{6}
C910/1705-4	RBCCW Loop A		2241	CPS		10^{-1} - 10^{6}
	RBCCW Loop B		2251	CPS		10^{-1} - 10^{6}
C910/1705-8	Refuel Floor Vent		6	mR/hr		10^{-1} - 10^{3}
C910/1705-9	SBGT Exhaust		3	mR/hr		10^{0} - 10^{4}
C910/1705-16	Control Rm Air Intake		0	mR/hr		10^{-2} - 10^{2}
C910/1705-30	R/W Discharge		4000	CPS		10^{-1} - 10^{6}
C910/1705-5	Off Gas Post Treatment		1259	CPS		10^{-1} - 10^{6}
C170/1001-606	Drywell CHRMS A		3.1	R/hr		10^{0} - 10^{7}
	Drywell CHRMS B		3	R/hr		10^{0} - 10^{7}
C170/1001-607	Torus CHRMS A		.5	R/hr		10^{0} - 10^{7}
	Torus CHRMS B		.4	R/hr		10^{0} - 10^{7}

FLOW RATES Pannel C7

SBGT FI8126/7 4000 CFM — Main Stack 20000 CFM*

Rx Bldg FI8116A ISOLATED CFM — TB Vent 140000 CFM*

MET DATA Pannel MT1

			220'	160'	033'	
Delta Temp	-1.7	Deg. F	Dir (from)	40	38	42	Deg.
Outside Temp	59	Deg. F	Speed	7	6.5	5.7	MPH
Stability Class	C	*					
Precip	None	*					

* Not Available in Control Room OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

PROCESS RADIATION MONITORS

TIME: 02:15

PANNEL/ID NO.	MONITOR	Trend	READING		Alarm in	RANGE
C910/1705-18	Main Stack Lo		19.1	CPS		10^{-1} - 10^{6}
C910/1001-608	Main Stack Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-32	Rx Bldg Vent Lo		17.5	CPS		10^{-1} - 10^{6}
C910/1001-609	Rx Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1001-610	Turbine Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-2	Main Steam Line A		18.4	mR/hr		10^{0} - 10^{6}
	Main Steam Line B		23.6	mR/hr		10^{0} - 10^{6}
	Main Steam Line C		15.8	mR/hr		10^{0} - 10^{6}
	Main Steam Line D		18.4	mR/hr		10^{0} - 10^{6}
C910/1705-3	Air Ejector Off Gas		7.4	mR/hr		10^{0} - 10^{6}
C910/1705-4	RBCCW Loop A		2113	CPS		10^{-1} - 10^{6}
	RBCCW Loop B		2123	CPS		10^{-1} - 10^{6}
C910/1705-8	Refuel Floor Vent		6	mR/hr		10^{-1} - 10^{3}
C910/1705-9	SBGT Exhaust		3	mR/hr		10^{0} - 10^{4}
C910/1705-16	Control Rm Air Intake		0	mR/hr		10^{-2} - 10^{2}
C910/1705-30	R/W Discharge		4000	CPS		10^{-1} - 10^{6}
C910/1705-5	Off Gas Post Treatment		659	CPS		10^{-1} - 10^{6}
C170/1001-606	Drywell CHRMS A		2.9	R/hr		10^{0} - 10^{7}
	Drywell CHRMS B		2.8	R/hr		10^{0} - 10^{7}
C170/1001-607	Torus CHRMS A		.4	R/hr		10^{0} - 10^{7}
	Torus CHRMS B		.3	R/hr		10^{0} - 10^{7}

FLOW RATES Pannel C7

SBGT FI8126/7 4000 CFM — Main Stack 20000 CFM*

Rx Bldg FI8116A ISOLATED CFM — TB Vent 140000 CFM*

MET DATA Pannel MT1

			220'	*160'	033'	
Delta Temp	-1.7	Deg. F	Dir (from)	45	43	47	Deg.
Outside Temp	59	Deg. F	Speed	6.7	6.2	5.4	MPH
Stability Class	C	*					
Precip	None	*					

* Not Available in Control Room OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

This is a Drill

PROCESS RADIATION MONITORS

TIME: 22:30

PANNEL/ID NO.	MONITOR	Trans.	READING		Alarm in	RANGE
C910/1705-18	Main Stack Lo	☐	11.6	CPS	☐	10^{-1} - 10^{6}
C910/1001-608	Main Stack Hi	☐	DS	R/hr	☐	10^{-1} - 10^{4}
C910/1705-32	Rx Bldg Vent Lo	☐	28.8	CPS	☐	10^{-1} - 10^{6}
C910/1001-609	Rx Bldg Vent Hi	☐	DS	R/hr	☐	10^{-1} - 10^{4}
C910/1001-610	Turbine Bldg Vent Hi	☐	DS	R/hr	☐	10^{-1} - 10^{4}
C910/1705-2	Main Steam Line A	☐	18.1	mR/hr	☐	10^{0} - 10^{6}
	Main Steam Line B	☐	23.3	mR/hr	☐	10^{0} - 10^{6}
	Main Steam Line C	☐	15.6	mR/hr	☐	10^{0} - 10^{6}
	Main Steam Line D	☐	18.1	mR/hr	☐	10^{0} - 10^{6}
C910/1705-3	Air Ejector Off Gas	☐	7.4	mR/hr	☐	10^{0} - 10^{6}
C910/1705-4	RBCCW Loop A	☐	1996	CPS	☐	10^{-1} - 10^{6}
	RBCCW Loop B	☐	2006	CPS	☐	10^{-1} - 10^{6}
C910/1705-8	Refuel Floor Vent	☐	6	mR/hr	☐	10^{-1} - 10^{3}
C910/1705-9	SBGT Exhaust	☐	3	mR/hr	☐	10^{0} - 10^{4}
C910/1705-16	Control Rm Air Intake	☐	0	mR/hr	☐	10^{-2} - 10^{2}
C910/1705-30	R/W Discharge	☐	4000	CPS	☐	10^{-1} - 10^{6}
C910/1705-5	Off Gas Post Treatment	☐	438	CPS	☐	10^{-1} - 10^{6}
C170/1001-606	Drywell CHRMS A	☐	2.6	R/hr	☐	10^{0} - 10^{7}
	Drywell CHRMS B	☐	2.5	R/hr	☐	10^{0} - 10^{7}
C170/1001-607	Torus CHRMS A	☐	.3	R/hr	☐	10^{0} - 10^{7}
	Torus CHRMS B	☐	.3	R/hr	☐	10^{0} - 10^{7}

FLOW RATES Pannel C7

SBGT FI8126/7 4000 CFM — Main Stack 20000 CFM*

Rx Bldg FI8116A ISOLATED CFM — TB Vent 140000 CFM*

MET DATA Pannel MT1

			220'	160'	033'	
Delta Temp	-1.7	Deg. F	Dir (from)	49	47	51	Deg.
Outside Temp	59	Deg. F	Speed	6.8	5.9	5.1	MPH
Stability Class	C	*					
Precip	None	*					

* Not Available in Control Room OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

PROCESS RADIATION MONITORS

TIME: 02:45

PANNEL/ID NO.	MONITOR	Trend	READING		Alarm In	RANGE
C910/1705-18	Main Stack Lo	☐	14.1	CPS	☐	10^{-1} - 10^{6}
C910/1001-608	Main Stack Hi	☐	DS	R/hr	☐	10^{-1} - 10^{4}
C910/1705-32	Rx Bldg Vent Lo	☐	29.4	CPS	☐	10^{-1} - 10^{6}
C910/1001-609	Rx Bldg Vent Hi	☐	DS	R/hr	☐	10^{-1} - 10^{4}
C910/1001-610	Turbine Bldg Vent Hi	☐	DS	R/hr	☐	10^{-1} - 10^{4}
C910/1705-2	Main Steam Line A	☐	56.2	mR/hr	☐	10^{0} - 10^{6}
	Main Steam Line B	☐	72.3	mR/hr	☐	10^{0} - 10^{6}
	Main Steam Line C	☐	48.3	mR/hr	☐	10^{0} - 10^{6}
	Main Steam Line D	☐	56.2	mR/hr	☐	10^{0} - 10^{6}
C910/1705-3	Air Ejector Off Gas	☐	7.3	mR/hr	☐	10^{0} - 10^{6}
C910/1705-4	RBCCW Loop A	☐	1885	CPS	☐	10^{-1} - 10^{6}
	RBCCW Loop B	☐	1895	CPS	☐	10^{-1} - 10^{6}
C910/1705-8	Refuel Floor Vent	☐	6	mR/hr	☐	10^{-1} - 10^{3}
C910/1705-9	SBGT Exhaust	☐	3	mR/hr	☐	10^{0} - 10^{4}
C910/1705-16	Control Rm Air Intake	☐	0	mR/hr	☐	10^{-2} - 10^{2}
C910/1705-30	R/W Discharge	☐	4000	CPS	☐	10^{-1} - 10^{6}
C910/1705-5	Off Gas Post Treatment	☐	391	CPS	☐	10^{-1} - 10^{6}
C170/1001-606	Drywell CHRMS A	☐	2.4	R/hr	☐	10^{0} - 10^{7}
	Drywell CHRMS B	☐	2.3	R/hr	☐	10^{0} - 10^{7}
C170/1001-607	Torus CHRMS A	☐	.2	R/hr	☐	10^{0} - 10^{7}
	Torus CHRMS B	☐	.2	R/hr	☐	10^{0} - 10^{7}

FLOW RATES Pannel C7

SBGT FI8126/7	4000 CFM		Main Stack	20000	CFM*
Rx Bldg FI8126/7	ISOLATED CFM		TB Vent	140000	CFM*

MET DATA Pannel MT1

			220'	160'	033'	
Delta Temp	-1.7 Deg. F	Dir (from)	52	50	54	Deg.
Outside Temp	60 Deg. F	Speed	6.6	6.1	5.3	MPH
Stability Class	C *					
Precip	None *					

* Not Available in Control Room OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

PROCESS RADIATION MONITORS

TIME: 03:00

PANNEL/ID NO.	MONITOR	Trend	READING		Alarm in	RANGE
C910/1705-18	Main Stack Lo		14	CPS		10^{-1} - 10^{6}
C910/1001-602	Main Stack Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-32	Rx Bldg Vent Lo		29.2	CPS		10^{-1} - 10^{6}
C910/1001-609	Rx Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1001-610	Turbine Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-2	Main Steam Line A		45.2	mR/hr		10^{0} - 10^{6}
	Main Steam Line B		58.1	mR/hr		10^{0} - 10^{6}
	Main Steam Line C		38.9	mR/hr		10^{0} - 10^{6}
	Main Steam Line D		45.2	mR/hr		10^{0} - 10^{6}
C910/1705-3	Air Ejector Off Gas		6.9	mR/hr		10^{0} - 10^{6}
C910/1705-4	RBCCW Loop A		1794	CPS		10^{-1} - 10^{6}
	RBCCW Loop B		1804	CPS		10^{-1} - 10^{6}
C910/1705-8	Refuel Floor Vent		6	mR/hr		10^{-1} - 10^{3}
C910/1705-9	SBGT Exhaust		3	mR/hr		10^{0} - 10^{4}
C910/1705-16	Control Rm Air Intake		0	mR/hr		10^{-2} - 10^{2}
C910/1705-30	R/W Discharge		4000	CPS		10^{-1} - 10^{5}
C910/1705-5	Off Gas Post Treatment		356	CPS		10^{-1} - 10^{6}
C170/1001-606	Drywell CHRMS A		2.3	R/hr		10^{0} - 10^{7}
	Drywell CHRMS B		2.2	R/hr		10^{0} - 10^{7}
C170/1001-607	Torus CHRMS A		.2	R/hr		10^{0} - 10^{7}
	Torus CHRMS B		.2	R/hr		10^{0} - 10^{7}

FLOW RATES Pannel C7

SBGT FI8126/7 4000 CFM — Main Stack 20000 CFM*

Rx Bldg FI8116A ISOLATED CFM — TB Vent 140000 CFM*

MET DATA Pannel MT1

			220'	160'	033'	
Delta Temp	-1.7 Deg. F	Dir (from)	55	53	57	Deg.
Outside Temp	60 Deg. F	Speed	6.4	5.9	5.1	MPH
Stability Class	C *					
Precip	None *					

* Not Available in Control Room OOS-Out of Service OSH-Off Scale (H) DS-Down Scale

Msg No *5

PROCESS RADIATION MONITORS

TIME: 0[illegible]

PANNEL/ID NO.	MONITOR	Trend	READING		Alarm In	RANGE
C910/1705-18	Main Stack Lo	☐	13.8	CPS	☐	10^{-1} - 10^{6}
C910/1001-608	Main Stack Hi	☐	DS	R/hr	☐	10^{-1} - 10^{4}
C910/1705-32	Rx Bldg Vent Lo	☐	29.4	CPS	☐	10^{-1} - 10^{6}
C910/1001-609	Rx Bldg Vent Hi	☐	DS	R/hr	☐	10^{-1} - 10^{4}
C910/1001-610	Turbine Bldg Vent Hi	☐	DS	R/hr	☐	10^{-1} - 10^{4}
C910/1705-2	Main Steam Line A	☐	86.7	mR/hr	☐	10^{0} - 10^{6}
	Main Steam Line B	☐	111.6	mR/hr	☐	10^{0} - 10^{6}
	Main Steam Line C	☐	74.7	mR/hr	☐	10^{0} - 10^{6}
	Main Steam Line D	☐	86.7	mR/hr	☐	10^{0} - 10^{6}
C910/1705-5	Air Ejector Off Gas	☐	6.6	mR/hr	☐	10^{0} - 10^{6}
C910/1705-4	RBCCW Loop A	☐	1711	CPS	☐	10^{-1} - 10^{6}
	RBCCW Loop B	☐	1721	CPS	☐	10^{-1} - 10^{6}
C910/1705-8	Refuel Floor Vent	☐	6	mR/hr	☐	10^{-1} - 10^{3}
C910/1705-9	SBGT Exhaust	☐	3	mR/hr	☐	10^{0} - 10^{4}
C910/1705-16	Control Rm Air Intake	☐	0	mR/hr	☐	10^{-2} - 10^{2}
C910/1705-30	R/W Discharge	☐	4000	CPS	☐	10^{-1} - 10^{6}
C910/1705-5	Off Gas Post Treatment	☐	310	CPS	☐	10^{-1} - 10^{6}
C170/1001-606	Drywell CHRMS A	☐	2.2	R/hr	☐	10^{0} - 10^{7}
	Drywell CHRMS B	☐	2.1	R/hr	☐	10^{0} - 10^{7}
C170/1001-607	Torus CHRMS A	☐	.2	R/hr	☐	10^{0} - 10^{7}
	Torus CHRMS B	☐	.1	R/hr	☐	10^{0} - 10^{7}

FLOW RATES Pannel C7

SBGT FI8126/7 4000 CFM — Main Stack 20000 CFM*

Rx Bldg FI8116A ISOLATED CFM — TB Vent 140000 CFM*

MET DATA Pannel MT1

		220'	160'	033'	
Delta Temp	-4.8 Deg. F	Dir (from)	56	54	58 Deg.
Outside Temp	50 Deg. F	Speed	6.1	5.5	4.8 MPH

Stability Class B *

Precip None *

* Not Available in Control Room OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

PROCESS RADIATION MONITORS

TIME: 03:20

PANNEL/ID NO.	MONITOR	Trend	READING		Alarm In	RANGE
C910/1705-18	Main Stack Lo		17	CPS		10^{-1} - 10^{6}
C910/1001-608	Main Stack Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-32	Rx Bldg Vent Lo		138.6	CPS		10^{-1} - 10^{6}
C910/1001-609	Rx Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1001-610	Turbine Bldg Vent Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-2	Main Steam Line A		176.3	mR/hr		10^{0} - 10^{6}
	Main Steam Line B		226.9	mR/hr		10^{0} - 10^{6}
	Main Steam Line C		151.8	mR/hr		10^{0} - 10^{6}
	Main Steam Line D		176.3	mR/hr		10^{0} - 10^{6}
C910/1705-3	Air Ejector Off Gas		5.9	mR/hr		10^{0} - 10^{6}
C910/1705-4	RBCCW Loop A		1702	CPS		10^{-1} - 10^{6}
	RBCCW Loop B		1712	CPS		10^{-1} - 10^{6}
C910/1705-8	Refuel Floor Vent		6	mR/hr		10^{-1} - 10^{3}
C910/1705-9	SBGT Exhaust		3	mR/hr		10^{0} - 10^{4}
C910/1705-16	Control Rm Air Intake		0	mR/hr		10^{-2} - 10^{2}
C910/1705-30	R/W Discharge		4000	CPS		10^{-1} - 10^{6}
C910/1705-5	Off Gas Post Treatment		576	CPS		10^{-1} - 10^{6}
C170/1001-606	Drywell CHRMS A		2.2	R/hr		10^{0} - 10^{7}
	Drywell CHRMS B		2.1	R/hr		10^{0} - 10^{7}
C170/1001-607	Torus CHRMS A		.2	R/hr		10^{0} - 10^{7}
	Torus CHRMS B		.1	R/hr		10^{0} - 10^{7}

FLOW RATES Pannel C7

SBGT FI8126/7 4000 CFM — Main Stack 20000 CFM*

Rx Bldg FI8116A ISOLATED CFM — TB Vent 140000 CFM*

MET DATA Pannel MT1

			220'	*160'	033'	
Delta Temp	-1.8 Deg. F	Dir (from)	57	55	59	Deg.
Outside Temp	61 Deg. F	Speed	7	6.5	5.7	MPH

Stability Class B *

Precip None *

* Not Available in Control Room OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

Msg No: 17

PROCESS RADIATION MONITORS

TIME: 03:30

PANNEL/ID NO.	MONITOR	Trend	READING		Alarm in	RANGE
C910/1705-18	Main Stack Lo	☐	20.6	CPS	☐	10^{-1} -10^{6}
C910/1001-608	Main Stack Hi	☐	DS	R/hr	☐	10^{-1} -10^{4}
C910/1705-32	Rx Bldg Vent Lo	☐	42.2	CPS	☐	10^{-1} -10^{6}
C910/1001-609	Rx Bldg Vent Hi	☐	DS	R/hr	☐	10^{-1} -10^{4}
C910/1001-610	Turbine Bldg Vent Hi	☐	DS	R/hr	☐	10^{-1} -10^{4}
C910/1705-2	Main Steam Line A	☐	103.1	mR/hr	☐	10^{0} -10^{6}
	Main Steam Line B	☐	132.6	mR/hr	☐	10^{0} -10^{6}
	Main Steam Line C	☐	88.7	mR/hr	☐	10^{0} -10^{6}
	Main Steam Line D	☐	103.1	mR/hr	☐	10^{0} -10^{6}
C910/1705-3	Air Ejector Off Gas	☐	5.3	mR/hr	☐	10^{0} -10^{6}
C910/1705-4	RBCCW Loop A	☐	1635	CPS	☐	10^{-1} -10^{6}
	RBCCW Loop B	☐	1645	CPS	☐	10^{-1} -10^{6}
C910/1705-8	Refuel Floor Vent	☐	6	mR/hr	☐	10^{-1} -10^{3}
C910/1705-9	SBGT Exhaust	☐	3	mR/hr	☐	10^{0} -10^{4}
C910/1705-16	Control Rm Air Intake	☐	0	mR/hr	☐	10^{-2} -10^{2}
C910/1705-30	R/W Discharge	☐	4000	CPS	☐	10^{-1} -10^{6}
C910/1705-5	Off Gas Post Treatment	☐	200	CPS	☐	10^{-1} -10^{6}
C170/1001-606	Drywell CHRMS A	☐	2	R/hr	☐	10^{0} -10^{7}
	Drywell CHRMS B	☐	1.9	R/hr	☐	10^{0} -10^{7}
C170/1001-607	Torus CHRMS A	☐	.1	R/hr	☐	10^{0} -10^{7}
	Torus CHRMS B	☐	.1	R/hr	☐	10^{0} -10^{7}

FLOW RATES Pannel C7

SBGT FI8126/7 4000 CFM — Main Stack 20000 CFM*

Rx Bldg FI81164 ISOLATED CFM — TB Vent 140000 CFM*

MET DATA Pannel MT1

		220'	160'	033'	
Delta Temp	-1.8 Deg. F	Dir (from)	58	56	60 Deg.
Outside Temp	61 Deg. F	Speed	6	5.5	4.7 MPH
Stability Class	P *				
Precip	None *				

* Not Available in Control Room OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

PROCESS RADIATION MONITORS

TIME: 03:45

PANNEL/ID NO.	MONITOR	Trend	READING		Alarm in	RANGE
C910/1705-18	Main Stack Lo		18.1	CPS		10^{-1} -10^{6}
C910/1001-608	Main Stack Hi		DS	R/hr		10^{-1} -10^{4}
C910/1705-32	Rx Bldg Vent Lo		36.6	CPS		10^{-1} -10^{6}
C910/1001-609	Rx Bldg Vent Hi		DS	R/hr		10^{-1} -10^{4}
C910/1001-610	Turbine Bldg Vent Hi		DS	R/hr		10^{-1} -10^{4}
C910/1705-2	Main Steam Line A		80.7	mR/hr		10^{0} -10^{6}
	Main Steam Line B		103.9	mR/hr		10^{0} -10^{6}
	Main Steam Line C		69.5	mR/hr		10^{0} -10^{6}
	Main Steam Line D		80.7	mR/hr		10^{0} -10^{6}
C910/1705-3	Air Ejector Off Gas		5.8	mR/hr		10^{0} -10^{6}
C910/1705-4	RBCCW Loop A		1568	CPS		10^{-1} -10^{6}
	RBCCW Loop B		1578	CPS		10^{-1} -10^{6}
C910/1705-8	Refuel Floor Vent		6	mR/hr		10^{-1} -10^{3}
C910/1705-9	SBGT Exhaust		3	mR/hr		10^{0} -10^{4}
C910/1705-16	Control Rm Air Intake		0	mR/hr		10^{-2} -10^{2}
C910/1705-30	R/W Discharge		4000	CPS		10^{-1} -10^{6}
C910/1705-5	Off Gas Post Treatment		200	CPS		10^{-1} -10^{6}
C170/1001-606	Drywell CHRMS A		1.9	R/hr		10^{0} -10^{7}
	Drywell CHRMS B		1.8	R/hr		10^{0} -10^{7}
C170/1001-607	Torus CHRMS A		.1	R/hr		10^{0} -10^{7}
	Torus CHRMS B		.1	R/hr		10^{0} -10^{7}

FLOW RATES Pannel C/

SBGT FI8126/7 4000 CFM

Rx Bldg FI8116A ISOLATED CFM

Main Stack 20000 CFM*

TB Vent 140000 CFM*

MET DATA Pannel (T)

		220'	160'	033'	
Delta Temp	-1.8 Deg. F	Dir (frc)	60	58	62 Deg.
Outside Temp	62 Deg. F	Speed	5.8	5.3	4.5 MPH

Stability Class B *

Precip None

* Not Available in Control Room OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

PROCESS RADIATION MONITORS

TIME: 04:00

PANNEL/ID NO.	MONITOR	Trend	READING		Alarm In	RANGE
C910/1705-18	Main Stack Lo		11.7	CPS		10^{-1} - 10^{6}
C910/1001-608	Main Stack Hi		DS	R/hr		10^{-1} - 10^{4}
C910/1705-32	Rx Bldg Vent Lo		29.3	CPS		10^{-1} - 10^{6}
C910/1001-609	Rx Bldg Vent Hi		DS	R/hr		10^{0} - 10^{4}
C910/1001-610	Turbine Bldg Vent Hi		DS	R/hr		10^{0} - 10^{4}
C910/1705-2	Main Steam Line A		17.6	mR/hr		10^{0} - 10^{6}
	Main Steam Line B		22.6	mR/hr		10^{0} - 10^{6}
	Main Steam Line C		15.1	mR/hr		10^{0} - 10^{6}
	Main Steam Line D		17.6	mR/hr		10^{0} - 10^{6}
C910/1705-3	Air Ejector Off Gas		5.8	mR/hr		10^{0} - 10^{6}
C910/1705-4	RBCCW Loop A		1509	CPS		10^{-1} - 10^{6}
	RBCCW Loop B		1519	CPS		10^{-1} - 10^{6}
C910/1705-8	Refuel Floor Vent		6	mR/hr		10^{-1} - 10^{3}
C910/1705-9	SBGT Exhaust		3	mR/hr		10^{0} - 10^{4}
C910/1705-16	Control Rm Air Intake		0	mR/hr		10^{-2} - 10^{2}
C910/1705-30	R/W Discharge		4000	CPS		10^{-1} - 10^{6}
C910/1705-5	Off Gas Post Treatment		200	CPS		10^{-1} - 10^{6}
C170/1001-606	Drywell CHRMS A		1.8	R/hr		10^{0} - 10^{7}
	Drywell CHRMS B		1.7	R/hr		10^{0} - 10^{7}
C170/1001-607	Torus CHRMS A		.1	R/hr		10^{0} - 10^{7}
	Torus CHRMS B		.1	R/hr		10^{0} - 10^{7}

FLOW RATES Pannel C7

SBGT FI8126/7 4000 CFM — Main Stack 20000 CFM*

Rx Bldg FI8116A ISOLATED CFM — TB Vent 140000 CFM*

MET DATA Pannel MT1

		220'	*160'	033'	
Delta Temp	-1.7 Deg. F	Dir (from)	62	60	64 Deg.
Outside Temp	62 Deg. F	Speed	5.6	5.1	4.3 MPH
Stability Class	C *				
Precip	None *				

* Not Available in Control Room OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

Msg No: 1

AREA RADIATION MONITORS

TIME: 00:00

PANNEL/ID NO.	MONITOR	Trend	READING	Alarm In	RANGE
C910/1705-60	Charcoal Bed Vault	☐	61.6 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -1	Cond. Pump Stair	☐	2.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -2	Feedwater Heaters	☐	18.4 mR/hr	☐	10^{0} -10^{4}
C911/ARM -3	Main Control Room	☐	0.0 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -4	Turbine Front Stand	☐	10.1 mR/hr	☐	10^{0} -10^{4}
C911/ARM -5	Radwaste Corridor	☐	2.6 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -6	Radwaste Sump Area	☐	89.9 mR/hr	☐	10^{0} -10^{4}
C911/ARM -7	Chem. Waste Tank	☐	5.4 mR/hr	☐	10^{0} -10^{4}
C911/ARM -8	Rx-Outside Tip Room	☐	0.1 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -9	RadWaste Ship. Lock	☐	0.7 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -10	RB Acess Area (S.E.)	☐	4.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -11	New Fuel Vault	☐	0.5 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -12	New Fuel Racks	☐	0.2 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -13	Shield Plug Area	☐	1.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -14	Spent Fuel Pool Area	☐	10.0 mR/hr	☐	10^{-1} -10^{3}

ALARM SET POINTS

1705-60 = 200 mR/hr
ARM -1 = 55 mR/hr
ARM -2 = 600 mR/hr
ARM -3 = 1 mR/hr
ARM -4 = 450 mR/hr
ARM -5 = 15 mR/hr
ARM -6 = 6000 mR/hr
ARM -7 = 300 mR/hr
ARM -8 = 5 mR/hr
ARM -9 = 50 mR/hr
ARM -10 = 60 mR/hr
ARM -11 = 6 mR/hr
ARM -12 = 40 mR/hr
ARM -13 = 40 mR/hr
ARM -14 = 30 mR/hr

OOS-Out of Service OSH-Off Scale HI DS-Down Scale

This is a Drill

Msg No: 2

AREA RADIATION MONITORS

TIME: 00:15

PANNEL/ID NO.	MONITOR	Trend	READING	Alarm In	RANGE
C910/1705-60	Charcoal Bed Vault	☐	60.1 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -1	Cond. Pump Stair	☐	2.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -2	Feedwater Heaters	☐	18.4 mR/hr	☐	10^{0} -10^{4}
C911/ARM -3	Main Control Room	☐	0.0 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -4	Turbine Front Stand	☐	10.1 mR/hr	☐	10^{0} -10^{4}
C911/ARM -5	Radwaste Corridor	☐	2.6 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -6	Radwaste Sump Area	☐	89.9 mR/hr	☐	10^{0} -10^{4}
C911/ARM -7	Chem. Waste Tank	☐	5.4 mR/hr	☐	10^{0} -10^{4}
C911/ARM -8	Rx-Outside Tip Room	☐	.1 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -9	RadWaste Ship. Lock	☐	0.7 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -10	RB Acess Area (S.E.)	☐	4.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -11	New Fuel Vault	☐	0.5 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -12	New Fuel Racks	☐	0.2 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -13	Shield Plug Area	☐	1.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -14	Spent Fuel Pool Area	☐	10.0 mR/hr	☐	10^{-1} -10^{3}

ALARM SET POINTS

1705-60 = 200 mR/hr
ARM -1 = 55 mR/hr
ARM -2 = 600 mR/hr
ARM -3 = 1 mR/hr
ARM -4 = 450 mR/hr
ARM -5 = 15 mR/hr
ARM -6 = 6000 mR/hr
ARM -7 = 300 mR/hr
ARM -8 = 5 mR/hr
ARM -9 = 50 mR/hr
ARM -10 = 60 mR/hr
ARM -11 = 6 mR/hr
ARM -12 = 40 mR/hr
ARM -13 = 40 mR/hr
ARM -14 = 30 mR/hr

OOS-Out of Service OSH-Off Scale HI DS-Down Scale

This is a Drill

AREA RADIATION MONITORS

TIME 00:30

PANNEL/ID NO.	MONITOR	Trend	READING	Alarm In	RANGE
C910/1705-60	Charcoal Bed Vault	☐	58.5 mR/hr	☐	10^{-1} - 10^{3}
C911/ARM -1	Cond. Pump Stair	☐	2.0 mR/hr	☐	10^{-1} - 10^{3}
C911/ARM -2	Feedwater Heaters	☐	18.3 mR/hr	☐	10^{0} - 10^{4}
C911/ARM -3	Main Control Room	☐	0.0 mR/hr	☐	10^{-2} - 10^{2}
C911/ARM -4	Turbine Front Stand	☐	10.1 mR/hr	☐	10^{0} - 10^{4}
C911/ARM -5	Radwaste Corridor	☐	2.6 mR/hr	☐	10^{-1} - 10^{3}
C911/ARM -6	Radwaste Sump Area	☐	89.9 mR/hr	☐	10^{0} - 10^{4}
C911/ARM -7	Chem. Waste Tank	☐	5.4 mR/hr	☐	10^{0} - 10^{4}
C911/ARM -8	Rx-Outside Tip Room	☐	.1 mR/hr	☐	10^{-2} - 10^{2}
C911/ARM -9	RadWaste Ship. Lock	☐	0.7 mR/hr	☐	10^{-2} - 10^{2}
C911/ARM -10	RB Acess Area (S.E.)	☐	4.0 mR/hr	☐	10^{-1} - 10^{3}
C911/ARM -11	New Fuel Vault	☐	0.5 mR/hr	☐	10^{-1} - 10^{3}
C911/ARM -12	New Fuel Racks	☐	0.2 mR/hr	☐	10^{-1} - 10^{3}
C911/ARM -13	Shield Plug Area	☐	1.0 mR/hr	☐	10^{-1} - 10^{3}
C911/ARM -14	Spent Fuel Pool Area	☐	10.0 mR/hr	☐	10^{-1} - 10^{3}

ALARM SET POINTS

1705-60 = 200 mR/hr
ARM -1 = 55 mR/hr
ARM -2 = 600 mR/hr
ARM -3 = 1 mR/hr
ARM -4 = 450 mR/hr
ARM -5 = 15 mR/hr
ARM -6 = 6000 mR/hr
ARM -7 = 300 mR/hr
ARM -8 = 5 mR/hr
ARM -9 = 50 mR/hr
ARM -10 = 60 mR/hr
ARM -11 = 6 mR/hr
ARM -12 = 40 mR/hr
ARM -13 = 40 mR/hr
ARM -14 = 30 mR/hr

OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

This is a Drill

AREA RADIATION MONITORS

TIME: 00:45

PANNEL/ID NO.	MONITOR	Trend	READING	Alarm In	RANGE
C910/1705-60	Charcoal Bed Vault	☐	56.8 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -1	Cond. Pump Stair	☐	2.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -2	Feedwater Heaters	☐	16.3 mR/hr	☐	10^{0} -10^{4}
C911/ARM -3	Main Control Room	☐	0.0 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -4	Turbine Front Stand	☐	9.2 mR/hr	☐	10^{0} -10^{4}
C911/ARM -5	Radwaste Corridor	☐	2.6 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -6	Radwaste Sump Area	☐	89.9 mR/hr	☐	10^{0} -10^{4}
C911/ARM -7	Chem. Waste Tank	☐	5.4 mR/hr	☐	10^{0} -10^{4}
C911/ARM -8	Rx-Outside Tip Room	☐	.1 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -9	RadWaste Ship. Lock	☐	0.7 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -10	RB Acess Area (S.E.)	☐	4.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -11	New Fuel Vault	☐	0.5 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -12	New Fuel Racks	☐	0.2 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -13	Shield Plug Area	☐	1.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -14	Spent Fuel Pool Area	☐	10.0 mR/hr	☐	10^{-1} -10^{3}

ALARM SET POINTS

1705-60 = 200 mR/hr
ARM -1 = 55 mR/hr
ARM -2 = 600 mR/hr
ARM -3 = 1 mR/hr
ARM -4 = 450 mR/hr
ARM -5 = 15 mR/hr
ARM -6 = 6000 mR/hr
ARM -7 = 300 mR/hr
ARM -8 = 5 mR/hr
ARM -9 = 50 mR/hr
ARM -10 = 60 mR/hr
ARM -11 = 6 mR/hr
ARM -12 = 40 mR/hr
ARM -13 = 40 mR/hr
ARM -14 = 30 mR/hr

OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

This is a Drill

AREA RADIATION MONITORS

TIME: 01:00

PANNEL/ID NO.	MONITOR	Trend	READING	Alarm In	RANGE
C910/1705-60	Charcoal Bed Vault		53.4 mR/hr		10^{-1} -10^{3}
C911/ARM -1	Cond. Pump Stair		1.9 mR/hr		10^{-1} -10^{3}
C911/ARM -2	Feedwater Heaters		14.0 mR/hr		10^{0} -10^{4}
C911/ARM -3	Main Control Room		0.0 mR/hr		10^{-2} -10^{2}
C911/ARM -4	Turbine Front Stand		7.7 mR/hr		10^{0} -10^{4}
C911/ARM -5	Radwaste Corridor		2.6 mR/hr		10^{-1} -10^{3}
C911/ARM -6	Radwaste Sump Area		89.9 mR/hr		10^{0} -10^{4}
C911/ARM -7	Chem. Waste Tank		5.4 mR/hr		10^{0} -10^{4}
C911/ARM -8	Rx-Outside Tip Room		.1 mR/hr		10^{-2} -10^{2}
C911/ARM -9	RadWaste Ship. Lock		0.7 mR/hr		10^{-2} -10^{2}
C911/ARM -10	RB Acess Area (S.E.)		4.0 mR/hr		10^{-1} -10^{3}
C911/ARM -11	New Fuel Vault		0.5 mR/hr		10^{-1} -10^{3}
C911/ARM -12	New Fuel Racks		0.2 mR/hr		10^{-1} -10^{3}
C911/ARM -13	Shield Plug Area		1.0 mR/hr		10^{-1} -10^{3}
C911/ARM -14	Spent Fuel Pool Area		10.0 mR/hr		10^{-1} -10^{3}

ALARM SET POINTS

1705-60 = 200 mR/hr
ARM -1 = 55 mR/hr
ARM -2 = 600 mR/hr
ARM -3 = 1 mR/hr
ARM -4 = 450 mR/hr
ARM -5 = 15 mR/hr
ARM -6 = 6000 mR/hr
ARM -7 = 300 mR/hr
ARM -8 = 5 mR/hr
ARM -9 = 50 mR/hr
ARM -10 = 60 mR/hr
ARM -11 = 6 mR/hr
ARM -12 = 40 mR/hr
ARM -13 = 40 mR/hr
ARM -14 = 30 mR/hr

OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

This is a Drill

AREA RADIATION MONITORS

TIME: 01:15

PANNEL/ID NO.	MONITOR	Trend	READING	Alarm In	RANGE
C910/1705-60	Charcoal Bed Vault		48.6 mR/hr		10^{-1} -10^{3}
C911/ARM -1	Cond. Pump Stair		1.9 mR/hr		10^{-1} -10^{3}
C911/ARM -2	Feedwater Heaters		13.5 mR/hr		10^{0} -10^{4}
C911/ARM -3	Main Control Room		0.0 mR/hr		10^{-2} -10^{2}
C911/ARM -4	Turbine Front Stand		7.4 mR/hr		10^{0} -10^{4}
C911/ARM -5	Radwaste Corridor		2.6 mR/hr		10^{-1} -10^{3}
C911/ARM -6	Radwaste Sump Area		89.9 mR/hr		10^{0} -10^{4}
C911/ARM -7	Chem. Waste Tank		5.4 mR/hr		10^{0} -10^{4}
C911/ARM -8	Rx-Outside Tip Room		.1 mR/hr		10^{-2} -10^{2}
C911/ARM -9	RadWaste Ship. Lock		0.7 mR/hr		10^{-2} -10^{2}
C911/ARM -10	RB Acess Area (S.E.)		4.0 mR/hr		10^{-1} -10^{3}
C911/ARM -11	New Fuel Vault		0.5 mR/hr		10^{-1} -10^{3}
C911/ARM -12	New Fuel Racks		0.2 mR/hr		10^{-1} -10^{3}
C911/ARM -13	Shield Plug Area		1.0 mR/hr		10^{-1} -10^{3}
C911/ARM -14	Spent Fuel Pool Area		10.0 mR/hr		10^{-1} -10^{3}

ALARM SET POINTS

1705-60 = 200 mR/hr
ARM -1 = 55 mR/hr
ARM -2 = 600 mR/hr
ARM -3 = 1 mR/hr
ARM -4 = 450 mR/hr
ARM -5 = 15 mR/hr
ARM -6 = 6000 mR/hr
ARM -7 = 300 mR/hr
ARM -8 = 5 mR/hr
ARM -9 = 50 mR/hr
ARM -10 = 60 mR/hr
ARM -11 = 6 mR/hr
ARM -12 = 40 mR/hr
ARM -13 = 40 mR/hr
ARM -14 = 30 mR/hr

OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

This is a Drill

AREA RADIATION MONITORS

TIME: 01:25

PANNEL/ID NO.	MONITOR	Trend	READING	Alarm In	RANGE
C910/1705-60	Charcoal Bed Vault	☐	44.8 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -1	Cond. Pump Stair	☐	1.9 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -2	Feedwater Heaters	☐	6.4 mR/hr	☐	10^{0} -10^{4}
C911/ARM -3	Main Control Room	☐	0.0 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -4	Turbine Front Stand	☐	3.5 mR/hr	☐	10^{0} -10^{4}
C911/ARM -5	Radwaste Corridor	☐	2.6 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -6	Radwaste Sump Area	☐	89.9 mR/hr	☐	10^{0} -10^{4}
C911/ARM -7	Chem. Waste Tank	☐	5.4 mR/hr	☐	10^{0} -10^{4}
C911/ARM -8	Rx-Outside Tip Room	☐	.1 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -9	RadWaste Ship. Lock	☐	0.7 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -10	RB Acess Area (S.E.)	☐	4.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -11	New Fuel Vault	☐	0.5 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -12	New Fuel Racks	☐	0.2 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -13	Shield Plug Area	☐	1.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -14	Spent Fuel Pool Area	☐	10.0 mR/hr	☐	10^{-1} -10^{3}

ALARM SET POINTS

1705-60 = 200 mR/hr
ARM -1 = 55 mR/hr
ARM -2 = 600 mR/hr
ARM -3 = 1 mR/hr
ARM -4 = 450 mR/hr
ARM -5 = 15 mR/hr
ARM -6 = 6000 mR/hr
ARM -7 = 300 mR/hr
ARM -8 = 5 mR/hr
ARM -9 = 50 mR/hr
ARM -10 = 60 mR/hr
ARM -11 = 6 mR/hr
ARM -12 = 40 mR/hr
ARM -13 = 40 mR/hr
ARM -14 = 30 mR/hr

OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

This is a Drill

AREA RADIATION MONITORS

TIME: 01:30

PANNEL/ID NO.	MONITOR	Trend	READING	Alarm In	RANGE
C910/1705-60	Charcoal Bed Vault		41.0 mR/hr		10^{-1} -10^{3}
C911/ARM -1	Cond. Pump Stair		1.9 mR/hr		10^{-1} -10^{3}
C911/ARM -2	Feedwater Heaters		11.9 mR/hr		10^{0} -10^{4}
C911/ARM -3	Main Control Room		0.0 mR/hr		10^{-2} -10^{2}
C911/ARM -4	Turbine Front Stand		6.5 mR/hr		10^{0} -10^{4}
C911/ARM -5	Radwaste Corridor		2.6 mR/hr		10^{-1} -10^{3}
C911/ARM -6	Radwaste Sump Area		89.9 mR/hr		10^{0} -10^{4}
C911/ARM -7	Chem. Waste Tank		5.4 mR/hr		10^{0} -10^{4}
C911/ARM -8	Rx-Outside Tip Room		.1 mR/hr		10^{-2} -10^{2}
C911/ARM -9	RadWaste Ship. Lock		0.7 mR/hr		10^{-2} -10^{2}
C911/ARM -10	RB Acess Area (S.E.)		4.0 mR/hr		10^{-1} -10^{3}
C911/ARM -11	New Fuel Vault		0.5 mR/hr		10^{-1} -10^{3}
C911/ARM -12	New Fuel Racks		0.2 mR/hr		10^{-1} -10^{3}
C911/ARM -13	Shield Plug Area		1.0 mR/hr		10^{-1} -10^{3}
C911/ARM -14	Spent Fuel Pool Area		10.0 mR/hr		10^{-1} -10^{3}

ALARM SET POINTS

1705-60 = 200 mR/hr
ARM -1 = 55 mR/hr
ARM -2 = 600 mR/hr
ARM -3 = 1 mR/hr
ARM -4 = 450 mR/hr
ARM -5 = 15 mR/hr
ARM -6 = 6000 mR/hr
ARM -7 = 300 mR/hr
ARM -8 = 5 mR/hr
ARM -9 = 50 mR/hr
ARM -10 = 60 mR/hr
ARM -11 = 6 mR/hr
ARM -12 = 40 mR/hr
ARM -13 = 40 mR/hr
ARM -14 = 30 mR/hr

OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

This is a Drill

AREA RADIATION MONITORS

TIME: 01:45

PANNEL/ID NO.	MONITOR	Trend	READING	Alarm In	RANGE
C910/1705-60	Charcoal Bed Vault	☐	28.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -1	Cond. Pump Stair	☐	1.8 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -2	Feedwater Heaters	☐	4.4 mR/hr	☐	10^{0} -10^{4}
C911/ARM -3	Main Control Room	☐	0.0 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -4	Turbine Front Stand	☐	2.4 mR/hr	☐	10^{0} -10^{4}
C911/ARM -5	Radwaste Corridor	☐	2.6 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -6	Radwaste Sump Area	☐	89.9 mR/hr	☐	10^{0} -10^{4}
C911/ARM -7	Chem. Waste Tank	☐	5.4 mR/hr	☐	10^{0} -10^{4}
C911/ARM -8	Rx-Outside Tip Room	☐	.1 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -9	RadWaste Ship. Lock	☐	0.7 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -10	RB Acess Area (S.E.)	☐	4.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -11	New Fuel Vault	☐	0.5 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -12	New Fuel Racks	☐	0.2 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -13	Shield Plug Area	☐	1.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -14	Spent Fuel Pool Area	☐	10.0 mR/hr	☐	10^{-1} -10^{3}

ALARM SET POINTS

1705-60 = 200 mR/hr
ARM -1 = 55 mR/hr
ARM -2 = 600 mR/hr
ARM -3 = 1 mR/hr
ARM -4 = 450 mR/hr
ARM -5 = 15 mR/hr
ARM -6 = 6000 mR/hr
ARM -7 = 300 mR/hr
ARM -8 = 5 mR/hr
ARM -9 = 50 mR/hr
ARM -10 = 60 mR/hr
ARM -11 = 6 mR/hr
ARM -12 = 40 mR/hr
ARM -13 = 40 mR/hr
ARM -14 = 30 mR/hr

OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

This is a Drill

Msg No: 10

AREA RADIATION MONITORS

TIME: 02:00

PANNEL/ID NO.	MONITOR	Trend	READING	Alarm In	RANGE
C910/1705-60	Charcoal Bed Vault	☐	17.7 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -1	Cond. Pump Stair	☐	1.8 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -2	Feedwater Heaters	☐	4.4 mR/hr	☐	10^{0} -10^{4}
C911/ARM -3	Main Control Room	☐	0.0 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -4	Turbine Front Stand	☐	2.4 mR/hr	☐	10^{0} -10^{4}
C911/ARM -5	Radwaste Corridor	☐	2.6 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -6	Radwaste Sump Area	☐	89.9 mR/hr	☐	10^{0} -10^{4}
C911/ARM -7	Chem. Waste Tank	☐	5.4 mR/hr	☐	10^{0} -10^{4}
C911/ARM -8	Rx-Outside Tip Room	☐	.1 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -9	RadWaste Ship. Lock	☐	0.7 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -10	RB Acess Area (S.E.)	☐	4.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -11	New Fuel Vault	☐	0.5 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -12	New Fuel Racks	☐	0.2 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -13	Shield Plug Area	☐	1.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -14	Spent Fuel Pool Area	☐	10.0 mR/hr	☐	10^{-1} -10^{3}

ALARM SET POINTS

1705-60 = 200 mR/hr
ARM -1 = 55 mR/hr
ARM -2 = 600 mR/hr
ARM -3 = 1 mR/hr
ARM -4 = 450 mR/hr
ARM -5 = 15 mR/hr
ARM -6 = 6000 mR/hr
ARM -7 = 300 mR/hr
ARM -8 = 5 mR/hr
ARM -9 = 50 mR/hr
ARM -10 = 60 mR/hr
ARM -11 = 6 mR/hr
ARM -12 = 40 mR/hr
ARM -13 = 40 mR/hr
ARM -14 = 30 mR/hr

OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

This is a Drill

AREA RADIATION MONITORS

TIME: 02:15

PANNEL/ID NO.	MONITOR	Trend	READING	Alarm In	RANGE
C910/1705-60	Charcoal Bed Vault	☐	9.3 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -1	Cond. Pump Stair	☐	1.8 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -2	Feedwater Heaters	☐	3.6 mR/hr	☐	10^{0} -10^{4}
C911/ARM -3	Main Control Room	☐	0.0 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -4	Turbine Front Stand	☐	2.0 mR/hr	☐	10^{0} -10^{4}
C911/ARM -5	Radwaste Corridor	☐	2.6 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -6	Radwaste Sump Area	☐	89.9 mR/hr	☐	10^{0} -10^{4}
C911/ARM -7	Chem. Waste Tank	☐	5.4 mR/hr	☐	10^{0} -10^{4}
C911/ARM -8	Rx-Outside Tip Room	☐	.1 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -9	RadWaste Ship. Lock	☐	0.7 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -10	RB Acess Area (S.E.)	☐	4.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -11	New Fuel Vault	☐	0.5 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -12	New Fuel Racks	☐	0.2 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -13	Shield Plug Area	☐	1.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -14	Spent Fuel Pool Area	☐	10.0 mR/hr	☐	10^{-1} -10^{3}

ALARM SET POINTS

1705-60 = 200 mR/hr
ARM -1 = 55 mR/hr
ARM -2 = 600 mR/hr
ARM -3 = 1 mR/hr
ARM -4 = 450 mR/hr
ARM -5 = 15 mR/hr
ARM -6 = 6000 mR/hr
ARM -7 = 300 mR/hr
ARM -8 = 5 mR/hr
ARM -9 = 50 mR/hr
ARM -10 = 60 mR/hr
ARM -11 = 6 mR/hr
ARM -12 = 40 mR/hr
ARM -13 = 40 mR/hr
ARM -14 = 30 mR/hr

OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

This is a Drill

AREA RADIATION MONITORS

TIME: 02:30

PANNEL/ID NO.	MONITOR	Trend	READING	Alarm In	RANGE
C910/1705-60	Charcoal Bed Vault	☐	6.2 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -1	Cond. Pump Stair	☐	1.8 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -2	Feedwater Heaters	☐	3.6 mR/hr	☐	10^{0} -10^{4}
C911/ARM -3	Main Control Room	☐	0.0 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -4	Turbine Front Stand	☐	2.0 mR/hr	☐	10^{0} -10^{4}
C911/ARM -5	Radwaste Corridor	☐	2.6 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -6	Radwaste Sump Area	☐	89.9 mR/hr	☐	10^{0} -10^{4}
C911/ARM -7	Chem. Waste Tank	☐	5.4 mR/hr	☐	10^{0} -10^{4}
C911/ARM -8	Rx-Outside Tip Room	☐	.1 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -9	RadWaste Ship. Lock	☐	0.7 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -10	RB Acess Area (S.E.)	☐	4.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -11	New Fuel Vault	☐	0.5 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -12	New Fuel Racks	☐	0.2 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -13	Shield Plug Area	☐	1.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -14	Spent Fuel Pool Area	☐	10.0 mR/hr	☐	10^{-1} -10^{3}

ALARM SET POINTS

1705-60 = 200 mR/hr
ARM -1 = 55 mR/hr
ARM -2 = 600 mR/hr
ARM -3 = 1 mR/hr
ARM -4 = 450 mR/hr
ARM -5 = 15 mR/hr
ARM -6 = 6000 mR/hr
ARM -7 = 300 mR/hr
ARM -8 = 5 mR/hr
ARM -9 = 50 mR/hr
ARM -10 = 60 mR/hr
ARM -11 = 6 mR/hr
ARM -12 = 40 mR/hr
ARM -13 = 40 mR/hr
ARM -14 = 30 mR/hr

OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

This is a Drill

AREA RADIATION MONITORS

TIME: 02:45

PANNEL/ID NO.	MONITOR	Trend	READING	Alarm in	RANGE
C910/1705-60	Charcoal Bed Vault	☐	5.6 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -1	Cond. Pump Stair	☐	1.8 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -2	Feedwater Heaters	☐	4.5 mR/hr	☐	10^{0} -10^{4}
C911/ARM -3	Main Control Room	☐	0.0 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -4	Turbine Front Stand	☐	2.5 mR/hr	☐	10^{0} -10^{4}
C911/ARM -5	Radwaste Corridor	☐	2.6 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -6	Radwaste Sump Area	☐	89.9 mR/hr	☐	10^{0} -10^{4}
C911/ARM -7	Chem. Waste Tank	☐	5.4 mR/hr	☐	10^{0} -10^{4}
C911/ARM -8	Rx-Outside Tip Room	☐	.1 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -9	RadWaste Ship. Lock	☐	0.7 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -10	RB Acess Area (S.E.)	☐	4.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -11	New Fuel Vault	☐	0.5 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -12	New Fuel Racks	☐	0.2 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -13	Shield Plug Area	☐	1.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -14	Spent Fuel Pool Area	☐	10.0 mR/hr	☐	10^{-1} -10^{3}

ALARM SET POINTS

1705-60 = 200 mR/hr
ARM -1 = 55 mR/hr
ARM -2 = 600 mR/hr
ARM -3 = 1 mR/hr
ARM -4 = 450 mR/hr
ARM -5 = 15 mR/hr
ARM -6 = 6000 mR/hr
ARM -7 = 300 mR/hr
ARM -8 = 5 mR/hr
ARM -9 = 50 mR/hr
ARM -10 = 60 mR/hr
ARM -11 = 6 mR/hr
ARM -12 = 40 mR/hr
ARM -13 = 40 mR/hr
ARM .1 = 30 mR/hr

OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

This is a Drill

AREA RADIATION MONITORS

TIME: 03:00

PANNEL/ID NO.	MONITOR	Trend	READING	Alarm In	RANGE
C910/1705-60	Charcoal Bed Vault	☐	5.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -1	Cond. Pump Stair	☐	1.8 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -2	Feedwater Heaters	☐	4.9 mR/hr	☐	10^{0} -10^{4}
C911/ARM -3	Main Control Room	☐	0.0 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -4	Turbine Front Stand	☐	2.7 mR/hr	☐	10^{0} -10^{4}
C911/ARM -5	Radwaste Corridor	☐	2.6 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -6	Radwaste Sump Area	☐	89.9 mR/hr	☐	10^{0} -10^{4}
C911/ARM -7	Chem. Waste Tank	☐	5.4 mR/hr	☐	10^{0} -10^{4}
C911/ARM -8	Rx-Outside Tip Room	☐	.1 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -9	RadWaste Ship. Lock	☐	0.7 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -10	RB Acess Area (S.E.)	☐	4.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -11	New Fuel Vault	☐	0.5 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -12	New Fuel Racks	☐	0.2 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -13	Shield Plug Area	☐	1.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -14	Spent Fuel Pool Area	☐	10.0 mR/hr	☐	10^{-1} -10^{3}

ALARM SET POINTS

1705-60 = 200 mR/hr
ARM -1 = 55 mR/hr
ARM -2 = 600 mR/hr
ARM -3 = 1 mR/hr
ARM -4 = 450 mR/hr
ARM -5 = 15 mR/hr
ARM -6 = 6000 mR/hr
ARM -7 = 300 mR/hr
ARM -8 = 5 mR/hr
ARM -9 = 50 mR/hr
ARM -10 = 60 mR/hr
ARM -11 = 6 mR/hr
ARM -12 = 40 mR/hr
ARM -13 = 40 mR/hr
ARM -14 = 30 mR/hr

OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

This is a Drill

AREA RADIATION MONITORS

TIME: 03:15

PANNEL/ID NO.	MONITOR	Trend	READING	Alarm In	RANGE
C910/1705-60	Charcoal Bed Vault	☐	4.4 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -1	Cond. Pump Stair	☐	1.9 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -2	Feedwater Heaters	☐	5.2 mR/hr	☐	10^{0} -10^{4}
C911/ARM -3	Main Control Room	☐	0.0 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -4	Turbine Front Stand	☐	2.9 mR/hr	☐	10^{0} -10^{4}
C911/ARM -5	Radwaste Corridor	☐	2.6 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -6	Radwaste Sump Area	☐	89.9 mR/hr	☐	10^{0} -10^{4}
C911/ARM -7	Chem. Waste Tank	☐	5.4 mR/hr	☐	10^{0} -10^{4}
C911/ARM -8	Rx-Outside Tip Room	☐	.1 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -9	RadWaste Ship. Lock	☐	0.7 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -10	RB Acess Area (S.E.)	☐	4.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -11	New Fuel Vault	☐	0.5 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -12	New Fuel Racks	☐	0.2 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -13	Shield Plug Area	☐	1.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -14	Spent Fuel Pool Area	☐	10.0 mR/hr	☐	10^{-1} -10^{3}

ALARM SET POINTS

1705-60 = 200 mR/hr
ARM -1 = 55 mR/hr
ARM -2 = 600 mR/hr
ARM -3 = 1 mR/hr
ARM -4 = 450 mR/hr
ARM -5 = 15 mR/hr
ARM -6 = 6000 mR/hr
ARM -7 = 300 mR/hr
ARM -8 = 5 mR/hr
ARM -9 = 50 mR/hr
ARM -10 = 60 mR/hr
ARM -11 = 6 mR/hr
ARM -12 = 40 mR/hr
ARM -13 = 40 mR/hr
ARM -14 = 30 mR/hr

OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

This is a Drill

AREA RADIATION MONITORS

TIME: 03:20

PANNEL/ID NO.	MONITOR	Trend	READING	Alarm In	RANGE
C910/1705-60	Charcoal Bed Vault	☐	3.6 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -1	Cond. Pump Stair	☐	1.9 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -2	Feedwater Heaters	☐	7.4 mR/hr	☐	10^{0} -10^{4}
C911/ARM -3	Main Control Room	☐	0.0 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -4	Turbine Front Stand	☐	4.0 mR/hr	☐	10^{0} -10^{4}
C911/ARM -5	Radwaste Corridor	☐	2.6 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -6	Radwaste Sump Area	☐	89.9 mR/hr	☐	10^{0} -10^{4}
C911/ARM -7	Chem. Waste Tank	☐	5.4 mR/hr	☐	10^{0} -10^{4}
C911/ARM -8	Rx-Outside Tip Room	☐	.1 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -9	RadWaste Ship. Lock	☐	0.7 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -10	RB Acess Area (S.E.)	☐	4.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -11	New Fuel Vault	☐	0.5 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -12	New Fuel Racks	☐	0.2 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -13	Shield Plug Area	☐	1.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -14	Spent Fuel Pool Area	☐	10.0 mR/hr	☐	10^{-1} -10^{3}

ALARM SET POINTS

1705-60 = 200 mR/hr
ARM -1 = 55 mR/hr
ARM -2 = 600 mR/hr
ARM -3 = 1 mR/hr
ARM -4 = 450 mR/hr
ARM -5 = 15 mR/hr
ARM -6 = 6000 mR/hr
ARM -7 = 300 mR/hr
ARM -8 = 5 mR/hr
ARM -9 = 50 mR/hr
ARM -10 = 60 mR/hr
ARM -11 = 6 mR/hr
ARM -12 = 40 mR/hr
ARM -13 = 40 mR/hr
ARM -14 = 30 mR/hr

OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

This is a Drill

AREA RADIATION MONITORS

TIME: 03:30

PANNEL/ID NO.	MONITOR	Trend	READING	Alarm in	RANGE
C910/1705-60	Charcoal Bed Vault	☐	2.9 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -1	Cond. Pump Stair	☐	1.9 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -2	Feedwater Heaters	☐	5.7 mR/hr	☐	10^{0} -10^{4}
C911/ARM -3	Main Control Room	☐	0.0 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -4	Turbine Front Stand	☐	3.1 mR/hr	☐	10^{0} -10^{4}
C911/ARM -5	Radwaste Corridor	☐	2.6 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -6	Radwaste Sump Area	☐	89.9 mR/hr	☐	10^{0} -10^{4}
C911/ARM -7	Chem. Waste Tank	☐	5.4 mR/hr	☐	10^{0} -10^{4}
C911/ARM -8	Rx-Outside Tip Room	☐	.1 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -9	RadWaste Ship. Lock	☐	0.7 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -10	RB Acess Area (S.E.)	☐	4.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -11	New Fuel Vault	☐	0.5 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -12	New Fuel Racks	☐	0.2 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -13	Shield Plug Area	☐	1.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -14	Spent Fuel Pool Area	☐	10.0 mR/hr	☐	10^{-1} -10^{3}

ALARM SET POINTS

1705-60 = 200 mR/hr
ARM -1 = 55 mR/hr
ARM -2 = 600 mR/hr
ARM -3 = 1 mR/hr
ARM -4 = 450 mR/hr
ARM -5 = 15 mR/hr
ARM -6 = 6000 mR/hr
ARM -7 = 300 mR/hr
ARM -8 = 5 mR/hr
ARM -9 = 50 mR/hr
ARM -10 = 60 mR/hr
ARM -11 = 6 mR/hr
ARM -12 = 40 mR/hr
ARM -13 = 40 mR/hr
ARM -14 = 30 mR/hr

OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

This is a Drill

AREA RADIATION MONITORS

TIME: 03:45

PANNEL/ID NO.	MONITOR	Trend	READING	Alarm In	RANGE
C910/1705-60	Charcoal Bed Vault	☐	2.9 mR/hr	☐	10^{-1} - 10^{3}
C911/ARM -1	Cond. Pump Stair	☐	1.9 mR/hr	☐	10^{-1} - 10^{3}
C911/ARM -2	Feedwater Heaters	☐	5.1 mR/hr	☐	10^{0} - 10^{4}
C911/ARM -3	Main Control Room	☐	0.0 mR/hr	☐	10^{-2} - 10^{2}
C911/ARM -4	Turbine Front Stand	☐	2.8 mR/hr	☐	10^{0} - 10^{4}
C911/ARM -5	Radwaste Corridor	☐	2.6 mR/hr	☐	10^{-1} - 10^{3}
C911/ARM -6	Radwaste Sump Area	☐	89.9 mR/hr	☐	10^{0} - 10^{4}
C911/ARM -7	Chem. Waste Tank	☐	5.4 mR/hr	☐	10^{0} - 10^{4}
C911/ARM -8	Rx-Outside Tip Room	☐	.1 mR/hr	☐	10^{-2} - 10^{2}
C911/ARM -9	RadWaste Ship. Lock	☐	0.7 mR/hr	☐	10^{-2} - 10^{2}
C911/ARM -10	RB Acess Area (S.E.)	☐	4.0 mR/hr	☐	10^{-1} - 10^{3}
C911/ARM -11	New Fuel Vault	☐	0.5 mR/hr	☐	10^{-1} - 10^{3}
C911/ARM -12	New Fuel Racks	☐	0.2 mR/hr	☐	10^{-1} - 10^{3}
C911/ARM -13	Shield Plug Area	☐	1.0 mR/hr	☐	10^{-1} - 10^{3}
C911/ARM -14	Spent Fuel Pool Area	☐	10.0 mR/hr	☐	10^{-1} - 10^{3}

ALARM SET POINTS

1705-60 = 200 mR/hr
ARM -1 = 55 mR/hr
ARM -2 = 600 mR/hr
ARM -3 = 1 mR/hr
ARM -4 = 450 mR/hr
ARM -5 = 15 mR/hr
ARM -6 = 5000 mR/hr
ARM -7 = 300 mR/hr
ARM -8 = 5 mR/hr
ARM -9 = 50 mR/hr
ARM -10 = 60 mR/hr
ARM -11 = 6 mR/hr
ARM -12 = 40 mR/hr
ARM -13 = 40 mR/hr
ARM -14 = 30 mR/hr

OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

This is a Drill

AREA RADIATION MONITORS

TIME: 04:00

PANNEL/ID NO.	MONITOR	Trend	READING	Alarm In	RANGE
C910/1705-60	Charcoal Bed Vault	☐	2.9 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -1	Cond. Pump Stair	☐	1.8 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -2	Feedwater Heaters	☐	4.0 mR/hr	☐	10^{0} -10^{4}
C911/ARM -3	Main Control Room	☐	0.0 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -4	Turbine Front Stand	☐	2.2 mR/hr	☐	10^{0} -10^{4}
C911/ARM -5	Radwaste Corridor	☐	2.6 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -6	Radwaste Sump Area	☐	89.9 mR/hr	☐	10^{0} -10^{4}
C911/ARM -7	Chem. Waste Tank	☐	5.4 mR/hr	☐	10^{0} -10^{4}
C911/ARM -8	Rx-Outside Tip Room	☐	.1 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -9	RadWaste Ship. Lock	☐	0.7 mR/hr	☐	10^{-2} -10^{2}
C911/ARM -10	RB Acess Area (S.E.)	☐	4.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -11	New Fuel Vault	☐	0.5 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -12	New Fuel Racks	☐	0.2 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -13	Shield Plug Area	☐	1.0 mR/hr	☐	10^{-1} -10^{3}
C911/ARM -14	Spent Fuel Pool Area	☐	10.0 mR/hr	☐	10^{-1} -10^{3}

ALARM SET POINTS

1705-60 = 200 mR/hr
ARM -1 = 55 mR/hr
ARM -2 = 600 mR/hr
ARM -3 = 1 mR/hr
ARM -4 = 450 mR/hr
ARM -5 = 15 mR/hr
ARM -6 = 6000 mR/hr
ARM -7 = 300 mR/hr
ARM -8 = 5 mR/hr
ARM -9 = 50 mR/hr
ARM -10 = 60 mR/hr
ARM -11 = 6 mR/hr
ARM -12 = 40 mR/hr
ARM -13 = 40 mR/hr
ARM -14 = 30 mR/hr

OOS-Out of Service OSH-Off Scale Hi DS-Down Scale

This is a Drill

112 RPV NORMAL

PROCESS RADIATION

CNTMT NORMAL

MSL RAD NORMAL | PROC RAD NORMAL

PROCESS	INSTR NO.	MR/HR
OFFGAS LOG RAD A	RM-1705-3A	2.39E+01
OFFGAS LOG RAD B	RM-1705-3B	2.39E+01
CARBON BED VAULT	RM-1705-60	6.16E+01

MAIN STEAM LINE	INSTR NO.	MR/HR
MAIN STEAM LINE A	RM-1705-2A	6.33E+02
MAIN STEAM LINE B	RM-1705-2B	8.15E+02
MAIN STEAM LINE C	RM-1705-2C	5.45E+02
MAIN STEAM LINE D	RM-1705-2D	6.33E+02

PROCESS	INSTR NO.	CPS
OFFGAS POST-TREATMENT A	RM-1705-5A	4.32E+03
OFFGAS POST-TREATMENT B	RM-1705-5B	4.32E+03
RBCCW A PROCESS	RM-1705-4A	4.02E+03
RBCCW B PROCESS	RM-1705-4B	4.03E+03

(HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001 606A	1.10E+00
DRYWELL B	RIT1001 606B	1.00E+00
TORUS A	RIT1001 607A	0.00E+00
TORUS B	RIT1001 607B	0.00E+00

PILGRIM --- 28-MAY-1992 00:00

Message No: 1

112 RPV NORMAL

PROCESS RADIATION

CNTMT NORMAL

MSL RAD NORMAL | PROC RAD NORMAL

PROCESS	INSTR NO.	MR/HR
OFFGAS LOG RAD A	RM-1705-3A	2.38E+01
OFFGAS LOG RAD B	RM-1705-3B	2.38E+01
CARBON BED VAULT	RM-1705-60	6.01E+01

PROCESS	INSTR NO.	CPS
OFFGAS POST-TREATMENT A	RM-1705-5A	4.21E+03
OFFGAS POST-TREATMENT B	RM-1705-5B	4.21E+03
RBCCW A PROCESS	RM-1705-4A	3.72E+03
RBCCW B PROCESS	RM-1705-4B	3.73E+03

MAIN STEAM LINE	INSTR NO.	MR/HR
MAIN STEAM LINE A	RM-1705-2A	6.31E+02
MAIN STEAM LINE B	RM-1705-2B	8.12E+02
MAIN STEAM LINE C	RM-1705-2C	5.43E+02
MAIN STEAM LINE D	RM-1705-2D	6.31E+02

(HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-306A	1.90E+00
DRYWELL B	RIT1001-606B	1.30E+00
TORUS A	RIT1001-607A	0.00E+00
TORUS B	RIT1001-607B	0.00E+00

PILGRIM --- 28-MAY-1992 00:15

Message No: 2

112 RPV NORMAL

PROCESS RADIATION

CNTMT NORMAL

MSL RAD NORMAL | PROC RAD NORMAL

PROCESS	INSTR NO.	MR/HR
OFFGAS LOG RAD A	RM-1705-3A	2.36E+01
OFFGAS LOG RAD B	RM-1705-3B	2.36E+01
CARBON BED VAULT	RM-1705-60	5.85E+01

MAIN STEAM LINE	INSTR NO.	MR/HR
MAIN STEAM LINE A	RM-1705-2A	6.29E+02
MAIN STEAM LINE B	RM-1705-2B	8.09E+02
MAIN STEAM LINE C	RM-1705-2C	5.41E+02
MAIN STEAM LINE D	RM-1705-2D	6.29E+02

PROCESS	INSTR NO.	CPS
OFFGAS POST-TREATMENT A	RM-1705-5A	4.10E+03
OFFGAS POST-TREATMENT B	RM-1705-5B	4.10E+03
RBCCW A PROCESS	RM-1705-4A	3.43E+03
RBCCW B PROCESS	RM-1705-4B	3.44E+03

(HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	3.00E+00
DRYWELL B	RIT1001-606B	2.90E+00
TORUS A	RIT1001-607A	0.00E+00
TORUS B	RIT1001-607B	0.00E+00

PILGRIM --- 28-MAY-1992 00:30

Message No: 3

112 RPV NORMAL

PROCESS RADIATION

CNTMT NORMAL

MSL RAD NORMAL | PROC RAD NORMAL

PROCESS	INSTR NO.	MR/HR
OFFGAS LOG RAD A	RM-1705-3A	2.22E+01
OFFGAS LOG RAD B	RM-1705-3B	2.22E+01
CARBON BED VAULT	RM-1705-60	5.68E+01

MAIN STEAM LINE	INSTR NO.	MR/HR
MAIN STEAM LINE A	RM-1705-2A	5.59E+02
MAIN STEAM LINE B	RM-1705-2B	7.19E+02
MAIN STEAM LINE C	RM-1705-2C	4.81E+02
MAIN STEAM LINE D	RM-1705-2D	5.59E+02

PROCESS	INSTR NO.	CPS
OFFGAS POST-TREATMENT A	RM-1705-5A	3.98E+03
OFFGAS POST-TREATMENT B	RM-1705-5B	3.98E+03
RBCCW A PROCESS	RM-1705-4A	3.17E+03
RBCCW B PROCESS	RM-1705-4B	3.18E+03

(HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	3.80E+00
DRYWELL B	RIT1001-606B	3.70E+00
TORUS A	RIT1001-607A	0.00E+00
TORUS B	RIT1001-607B	0.00E+00

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Message No: 4

112 RPV NORMAL

PROCESS RADIATION

CNTMT NORMAL

MSL RAD NORMAL | PROC RAD NORMAL

PROCESS	INSTR NO.	MR/HR
OFFGAS LOG RAD A	RM-1705-3A	1.89E+01
OFFGAS LOG RAD B	RM-1705-3B	1.89E+01
CARBON BED VAULT	RM-1705-60	5.34E+01

PROCESS	INSTR NO.	CPS
OFFGAS POST-TREATMENT A	RM-1705-5A	3.75E+03
OFFGAS POST-TREATMENT B	RM-1705-5B	3.75E+03
RBCCW A PROCESS	RM-1705-4A	2.95E+03
RBCCW B PROCESS	RM-1705-4B	2.96E+03

MAIN STEAM LINE	INSTR NO.	MR/HR
MAIN STEAM LINE A	RM-1705-2A	4.48E+02
MAIN STEAM LINE B	RM-1705-2B	5.77E+02
MAIN STEAM LINE C	RM-1705-2C	3.86E+02
MAIN STEAM LINE D	RM-1705-2D	4.48E+02

(HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	4.30E+00
DRYWELL B	RIT1001-606B	4.20E+00
TORUS A	RIT1001-607A	0.00E+00
TORUS B	RIT1001-607B	0.00E+00

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Message No: 5

112 RPV NORMAL

PROCESS RADIATION

CNTMT NORMAL

MSL RAD NORMAL | PROC RAD NORMAL

PROCESS	INSTR NO.	MR/HR
OFFGAS LOG RAD A	RM-1705-3A	1.71E+01
OFFGAS LOG RAD B	RM-1705-3B	1.71E+01
CARBON BED VAULT	RM-1705-6B	4.86E+01

PROCESS	INSTR NO.	CPS
OFFGAS POST-TREATMENT A	RM-1705-5A	3.41E+03
OFFGAS POST-TREATMENT B	RM-1705-5B	3.41E+03
RBCCW A PROCESS	RM-1705-4A	2.74E+03
RBCCW B PROCESS	RM-1705-4B	2.75E+03

MAIN STEAM LINE	INSTR NO.	MR/HR
MAIN STEAM LINE A	RM-1705-2A	4.30E+02
MAIN STEAM LINE B	RM-1705-2B	5.53E+02
MAIN STEAM LINE C	RM-1705-2C	3.70E+02
MAIN STEAM LINE D	RM-1705-2D	4.30E+02

(HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	4.60E+00
DRYWELL B	RIT1001-606B	4.50E+00
TORUS A	RIT1001-607A	0.00E+00
TORUS B	RIT1001-607B	0.00E+00

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112 RPV NORMAL

PROCESS RADIATION

CNTMT NORMAL

MSL RAD NORMAL | PROC RAD NORMAL

PROCESS	INSTR NO.	MR/HR
OFFGAS LOG RAD A	RM-1705-3A	1.66E+01
OFFGAS LOG RAD B	RM-1705-3B	1.66E+01
CARBON BED VAULT	RM-1705-60	4.48E+01

PROCESS	INSTR NO.	CPS
OFFGAS POST-TREATMENT A	RM-1705-5A	3.15E+03
OFFGAS POST-TREATMENT B	RM-1705-5B	3.15E+03
RBCCW A PROCESS	RM-1705-4A	2.56E+03
RBCCW B PROCESS	RM-1705-4B	2.57E+03

MAIN STEAM LINE	INSTR NO.	MR/HR
MAIN STEAM LINE A	RM-1705-2A	6.63E+01
MAIN STEAM LINE B	RM-1705-2B	8.54E+01
MAIN STEAM LINE C	RM-1705-2C	5.70E+01
MAIN STEAM LINE D	RM-1705-2D	6.63E+01

(HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	4.50E+00
DRYWELL B	RIT1001-606B	4.40E+00
TORUS A	RIT1001-607A	3.00E-01
TORUS B	RIT1001-607B	2.00E-01

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Message No: 7

112 RPV NORMAL

PROCESS RADIATION

CNTMT NORMAL

MSL RAD NORMAL | PROC RAD NORMAL

PROCESS	INSTR NO.	MR/HR
OFFGAS LOG RAD A	RM-1705-3A	1.61E+01
OFFGAS LOG RAD B	RM-1705-3B	1.61E+01
CARBON BED VAULT	RM-1705-60	4.10E+01

MAIN STEAM LINE	INSTR NO.	MR/HR
MAIN STEAM LINE A	RM-1705-2A	3.13E+02
MAIN STEAM LINE B	RM-1705-2B	4.02E+02
MAIN STEAM LINE C	RM-1705-2C	2.69E+02
MAIN STEAM LINE D	RM-1705-2D	3.13E+02

PROCESS	INSTR NO.	CPS
OFFGAS POST-TREATMENT A	RM-1705-5A	2.89E+03
OFFGAS POST-TREATMENT B	RM-1705-5B	2.89E+03
RBCCW A PROCESS	RM-1705-4A	2.59E+03
RBCCW B PROCESS	RM-1705-4B	2.60E+03

(HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	4.60E+00
DRYWELL B	RIT1001-606B	4.50E+00
TORUS A	RIT1001-607A	2.00E-01
TORUS B	RIT1001-607B	2.00E-01

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Message No: 8

112 RPV NORMAL

PROCESS RADIATION

CNTMT NORMAL

MSL RAD NORMAL | PROC RAD NORMAL

PROCESS	INSTR NO.	MR/HR
OFFGAS LOG RAD A	RM-1705-3A	1.07E+01
OFFGAS LOG RAD B	RM-1705-3B	1.07E+01
CARBON BED VAULT	RM-1705-60	2.80E+01

PROCESS	INSTR NO.	CPS
OFFGAS POST-TREATMENT A	RM-1705-5A	1.98E+03
OFFGAS POST-TREATMENT B	RM-1705-5B	1.98E+03
RBCCW A PROCESS	RM-1705-4A	2.39E+03
RBCCW B PROCESS	RM-1705-4B	2.40E+03

MAIN STEAM LINE	INSTR NO.	MR/HR
MAIN STEAM LINE A	RM-1705-2A	5.34E+01
MAIN STEAM LINE B	RM-1705-2B	6.87E+01
MAIN STEAM LINE C	RM-1705-2C	4.59E+01
MAIN STEAM LINE D	RM-1705-2D	5.34E+01

(HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	3.40E+00
DRYWELL B	RIT1001-606B	3.30E+00
TORUS A	RIT1001-607A	5.00E-01
TORUS B	RIT1001-607B	5.00E-01

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Message No: 6

112 RPV NORMAL

PROCESS RADIATION

CNTMT NORMAL

MSL RAD NORMAL | PROC RAD NORMAL

PROCESS	INSTR NO.	MR/HR
OFFGAS LOG RAD A	RM-1705-3A	7.70E+00
OFFGAS LOG RAD B	RM-1705-3B	7.70E+00
CARBON BED VAULT	RM-1705-60	1.77E+01

MAIN STEAM LINE	INSTR NO.	MR/HR
MAIN STEAM LINE A	RM-1705-2A	5.09E+01
MAIN STEAM LINE B	RM-1705-2B	6.55E+01
MAIN STEAM LINE C	RM-1705-2C	4.38E+01
MAIN STEAM LINE D	RM-1705-2D	5.09E+01

PROCESS	INSTR NO.	CPS
OFFGAS POST-TREATMENT A	RM-1705-5A	1.26E+03
OFFGAS POST-TREATMENT B	RM-1705-5B	1.26E+03
RBCCW A PROCESS	RM-1705-4A	2.24E+03
RBCCW B PROCESS	RM-1705-4B	2.25E+03

(HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	3.10E+00
DRYWELL B	RIT1001-606B	3.00E+00
TORUS A	RIT1001-607A	5.00E-01
TORUS B	RIT1001-607B	4.00E-01

PILGRIM --- 28-MAY-1992 02:00

Message No: 10

112 RPV NORMAL

PROCESS RADIATION

CNTMT NORMAL

MSL RAD NORMAL | PROC RAD NORMAL

PROCESS	INSTR NO.	MR/HR
OFFGAS LOG RAD A	RM-1705-2A	7.40E+00
OFFGAS LOG RAD B	RM-1705-3B	7.40E+00
CARBON BED VAULT	RM-1705-60	9.30E+00

PROCESS	INSTR NO.	CPS
OFFGAS POST-TREATMENT A	RM-1705-[illegible]	6.59E+02
OFFGAS POST-TREATMENT B	RM-1705-[illegible]	6.59E+02
RBCCW A PROCESS	RM-1705-4A	2.11E+03
RBCCW B PROCESS	RM-1705-4B	2.12E+03

MAIN STEAM LINE	INSTR NO.	MR/HR
MAIN STEAM LINE A	RM-1705-2A	1.84E+01
MAIN STEAM LINE B	RM-1705-2B	2.36E+01
MAIN STEAM LINE C	RM-1705-2C	1.58E+01
MAIN STEAM LINE D	RM-1705-2D	1.84E+01

(HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	2.90E+00
DRYWELL B	RIT1001-606B	2.80E+00
TORUS A	RIT1001-607A	4.00E-01
TORUS B	RIT1001-607B	3.00E-01

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Message No: 11

112 RPV NORMAL

PROCESS RADIATION

CNTMT NORMAL

MSL RAD NORMAL | PROC RAD NORMAL

PROCESS	INSTR NO.	MR/HR
OFFGAS LOG RAD A	RM-1705-3A	7.40E+00
OFFGAS LOG RAD B	RM-1705-3B	7.40E+00
CARBON BED VAULT	RM-1705-6C	6.20E+00

MAIN STEAM LINE	INSTR NO.	MR/HR
MAIN STEAM LINE A	RM-1705-2A	1.81E+01
MAIN STEAM LINE B	RM-1705-2B	2.33E+01
MAIN STEAM LINE C	RM-1705-2C	1.56E+01
MAIN STEAM LINE D	RM-1705-2D	1.81E+01

PROCESS	INSTR NO.	CPS
OFFGAS POST-TREATMENT A	RM-1705-5A	4.38E+02
OFFGAS POST-TREATMENT B	RM-1705-5B	4.38E+02
RBCCW A PROCESS	RM-1705-4A	2.00E+03
RBCCW B PROCESS	RM-1705-4B	2.01E+03

(HI RANGE)	INSTR NO.	R/HR
DRYWELL A	PIT1001-606A	2.60E+00
DRYWELL B	RIT1001-606B	2.50E+00
TORUS A	RIT1001-607A	3.00E-01
TORUS B	RIT1001-607B	3.00E-01

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Message No: 12

112 RPV NORMAL

PROCESS RADIATION

CNTMT NORMAL

MSL RAD NORMAL | PROC RAD NORMAL

PROCESS	INSTR NO.	MR/HR
OFFGAS LOG RAD A	RM-1705-3A	7.30E+00
OFFGAS LOG RAD B	RM-1705-3B	7.30E+00
CARBON BED VAULT	RM-1705-60	5.60E+00

MAIN STEAM LINE	INSTR NO.	MR/HR
MAIN STEAM LINE A	RM-1705-2A	5.62E+01
MAIN STEAM LINE B	RM-1705-2B	7.23E+01
MAIN STEAM LINE C	RM-1705-2C	4.83E+01
MAIN STEAM LINE D	RM-1705-2D	5.62E+01

PROCESS	INSTR NO.	CPS
OFFGAS POST-TREATMENT A	RM-1705-5A	3.91E+02
OFFGAS POST-TREATMENT B	RM-1705-5B	3.91E+02
RBCCW A PROCESS	RM-1705-4A	1.89E+03
RBCCW B PROCESS	RM-1705-4B	1.90E+03

(HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	2.40E+00
DRYWELL B	RIT1001-606B	2.30E+00
TORUS A	RIT1001-607A	2.00E-01
TORUS B	RIT1001-607B	2.00E-01

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Message No: 13

112 RPV NORMAL

PROCESS RADIATION

CNTMT NORMAL

MSL RAD NORMAL | PROC RAD NORMAL

PROCESS	INSTR NO.	MR/HR
OFFGAS LOG RAD A	RM-1705-3A	6.90E+00
OFFGAS LOG RAD B	RM-1705-3B	6.90E+00
CARBON BED VAULT	RM-1705-60	5.00E+00

MAIN STEAM LINE	INSTR NO.	MR/HR
MAIN STEAM LINE A	RM-1705-2A	4.52E+01
MAIN STEAM LINE B	RM-1705-2B	5.81E+01
MAIN STEAM LINE C	RM-1705-2C	3.89E+01
MAIN STEAM LINE D	RM-1705-2D	4.52E+01

PROCESS	INSTR NO.	CPS
OFFGAS POST-TREATMENT A	RM-1705-5A	3.56E+02
OFFGAS POST-TREATMENT B	RM-1705-5B	3.56E+02
RBCCW A PROCESS	RM-1705-4A	1.79E+03
RBCCW B PROCESS	RM-1705-4B	1.80E+03

(HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	2.30E+00
DRYWELL B	RIT1001-606B	2.20E+00
TORUS A	RIT1001-607A	2.00E-01
TORUS B	RIT1001-607B	2.00E-01

PILGRIM --- 28-MAY-1992 03:00

Message No: 14

112 RPV NORMAL

PROCESS RADIATION

CNTMT NORMAL

MSL RAD NORMAL | PROC RAD NORMAL

PROCESS	INSTR NO.	MR/HR
OFFGAS LOG RAD A	RM-1705-3A	6.60E+00
OFFGAS LOG RAD B	RM-1705-3B	6.60E+00
CARBON BED VAULT	RM-1705-60	4.40E+0[illegible]

PROCESS	INSTR NO.	CPS
OFFGAS POST-TREATMENT A	RM-1705-5A	3.10E+02
OFFGAS POST-TREATMENT B	RM-1705-5B	3.10E+02
RBCCW A PROCESS	RM-1705-4A	1.71E+03
RBCCW B PROCESS	RM-1705-4B	1.72E+03

MAIN STEAM LINE	INSTR NO.	MR/HR
MAIN STEAM LINE A	RM-1705-2A	8.67E+01
MAIN STEAM LINE B	RM-1705-2B	1.12E+02
MAIN STEAM LINE C	RM-1705-2C	7.47E+01
MAIN STEAM LINE D	RM-1705-2D	8.67E+01

(HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	2.20E+00
DRYWELL B	RIT1001-606B	2.10E+00
TORUS A	RIT1001-607A	2.00E-01
TORUS B	RIT1001-607B	1.00E-01

PILGRIM --- 28-MAY-1992 03:15

Message No: 15

112 RPV NORMAL

PROCESS RADIATION

CNTMT NORMAL

MSL RAD NORMAL | PROC RAD NORMAL

PROCESS	INSTR NO.	MR/HR
OFFGAS LOG RAD A	RM-1705-3A	5.90E+00
OFFGAS LOG RAD B	RM-1705-3B	5.90E+00
CARBON BED VAULT	RM-1705-60	3.60E+00

PROCESS	INSTR NO.	CPS
OFFGAS POST-TREATMENT A	RM-1705-5A	5.76E+02
OFFGAS POST-TREATMENT B	RM-1705-5B	5.76E+02
RBCCW A PROCESS	RM-1705-4A	1.70E+03
RBCCW B PROCESS	RM-1705-4B	1.71E+03

MAIN STEAM LINE	INSTR NO.	MR/HR
MAIN STEAM LINE A	RM-1705-2A	1.76E+02
MAIN STEAM LINE B	RM-1705-2B	2.27E+02
MAIN STEAM LINE C	RM-1705-2C	1.52E+02
MAIN STEAM LINE D	RM-1705-2D	1.76E+02

(HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	2.20E+00
DRYWELL B	RIT1001-606B	2.10E+00
TORUS A	RIT1001-607A	2.00E-01
TORUS B	RIT1001-607B	1.00E-01

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Message No: 16

112 RPV NORMAL

PROCESS RADIATION

CNTMT NORMAL

MSL RAD NORMAL | PROC RAD NORMAL

PROCESS	INSTR NO.	MR/HR
OFFGAS LOG RAD A	RM-1705-3A	5.30E+00
OFFGAS LOG RAD B	RM-1705-3B	5.30E+00
CARBON BED VAULT	RM-1705-60	2.90E+00

MAIN STEAM LINE	INSTR NO.	MR/HR
MAIN STEAM LINE A	RM-1705-2A	1.03E+02
MAIN STEAM LINE B	RM-1705-2B	1.33E+02
MAIN STEAM LINE C	RM-1705-2C	8.87E+01
MAIN STEAM LINE D	RM-1705-2D	1.03E+02

PROCESS	INSTR NO.	CPS
OFFGAS POST-TREATMENT A	RM-1705-5A	2.00E+02
OFFGAS POST-TREATMENT B	RM-1705-5B	2.00E+02
RBCCW A PROCESS	RM-1705-4A	1.64E+03
RBCCW B PROCESS	RM-1705-4B	1.65E+03

(HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	2.00E+00
DRYWELL B	RIT1001-606B	1.90E+00
TORUS A	RIT1001-607A	1.00E-01
TORUS B	RIT1001-607B	1.00E-01

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Message No: 17

112 RPV NORMAL

PROCESS RADIATION

CNTMT NORMAL

MSL RAD NORMAL | PROC RAD NORMAL

PROCESS	INSTR NO.	MR/HR
OFFGAS LOG RAD A	RM-1705-3A	5.80E+00
OFFGAS LOG RAD B	RM-1705-3B	5.80E+00
CARBON BED VAULT	RM-1705-60	2.90E+00

MAIN STEAM LINE	INSTR NO.	MR/HR
MAIN STEAM LINE A	RM-1705-2A	8.07E+01
MAIN STEAM LINE B	RM-1705-2B	1.04E+02
MAIN STEAM LINE C	RM-1705-2C	6.95E+01
MAIN STEAM LINE D	PM-1705-2D	8.07E+01

PROCESS	INSTR NO.	CPS
OFFGAS POST-TREATMENT A	RM-1705-5A	2.00E+02
OFFGAS POST-TREATMENT B	RM-1705-5B	2.00E+02
RBCCW A PROCESS	RM-1705-4A	1.57E+03
RBCCW B PROCESS	RM-1705-4B	1.58E+03

(HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	1.90E+00
DRYWELL B	RIT1001-606B	1.80E+00
TORUS A	RIT1001-607A	1.00E-01
TORUS B	RIT1001-607B	1.00E-01

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Message No: 18

112 RPV NORMAL

PROCESS RADIATION

CNTMT NORMAL

MSL RAD NORMAL | PROC RAD NORMAL

PROCESS	INSTR NO.	MR/HR
OFFGAS LOG RAD A	RM-1705-3A	5.80E+00
OFFGAS LOG RAD B	RM-1705-3B	5.80E+00
CARBON BED VAULT	RM-1705-60	2.90E+00

MAIN STEAM LINE	INSTR NO.	MR/HR
MAIN STEAM LINE A	RM-1705-2A	1.76E+01
MAIN STEAM LINE B	RM-1705-2B	2.26E+01
MAIN STEAM LINE C	RM-1705-2C	1.51E+01
MAIN STEAM LINE D	RM-1705-2D	1.76E+01

PROCESS	INSTR NO.	CPS
OFFGAS POST-TREATMENT A	RM-1705-5A	2.00E+02
OFFGAS POST-TREATMENT B	RM-1705-5B	2.00E+02
RBCCW A PROCESS	RM-1705-4A	1.51E+03
RBCCW B PROCESS	RM-1705-4B	1.52E+03

(HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	1.80E+00
DRYWELL B	RIT1001-606B	1.70E+00
TORUS A	RIT1001-607A	1.00E-01
TORUS B	RIT1001-607B	1.00E-01

PILGRIM --- 28-MAY-1992 04:00

Message No: 19

413 NORMAL

AREA RADIATION

NORMAL

EFFL RAD NORMAL | MSL RAD NORMAL | AREA RAD NORMAL

AREA (HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	1.10E+00
DRYWELL B	RIT1001-606B	1.00E+00
TORUS A	RIT1001-607A	0.00E+00
TORUS B	RIT1001-607B	0.00E+00

AREA	INSTR NO.	MR/HR
NEW FUEL RACKS	RE-12	2.00E-01
REFUEL FLR-NEW FUEL VAULT	RE-11	5.00E-01
REFUEL FLR-SPENT FUEL POOL	RE-14	1.00E+01
REFUEL FLR-SHIELD PLUG	RE-13	1.00E+00

AREA	INSTR NO.	MR/HR
MAIN CONTROL ROOM	RE-3	0.00E+00
MAIN CONTROL ROOM INTAKE	RM-1705-16	0.00E+00
RX BLDG OUTSIDE TIP RM	RE-8	1.00E-01
RXBLDG ACCESS-SE	RE-10	4.00E+00
TURB BLDG COND PMP STAIRWAY	RE-1	2.00E+00
TURBINE FRONT STANDARD	RE-4	1.01E+01
FW HEATER STAIRWAY	RE-2	1.84E+01

AREA	INSTR NO.	MR/HR
RADWASTE SUMP	RE-6	8.99E+01
RADWASTE CHEM WST REC TANK	RE-7	5.40E+00
RADWASTE CORRIDOR	RE-5	2.60E+00
RADWASTE SHIPPING DOCK	RE-9	7.00E-01

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413 NORMAL

AREA RADIATION

NORMAL

EFFL RAD NORMAL | MSL RAD NORMAL | AREA RAD NORMAL

AREA (HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	1.90E+00
DRYWELL B	RIT1001-606B	1.80E+00
TORUS A	RIT1001-607A	0.00E+00
TORUS B	RIT1001-607B	0.00E+00

AREA	INSTR NO.	MR/HR
NEW FUEL RACKS	RE-12	2.00E-01
REFUEL FLR-NEW FUEL VAULT	RE-11	5.00E-01
REFUEL FLR-SPENT FUEL POOL	RE-14	1.00E+01
REFUEL FLR-SHIELD PLUG	RE-13	1.00E+00

AREA	INSTR NO.	MR/HR
MAIN CONTROL ROOM	RE-3	0.00E+00
MAIN CONTROL ROOM INTAKE	RM-1705-16	0.00E+00
RX BLDG OUTSIDE TIP RM	RE-8	1.00E-01
RXBLDG ACCESS-SE	RE-10	4.00E+00
TURB BLDG COND PMP STAIRWAY	RE-1	2.00E+00
TURBINE FRONT STANDARD	RE-4	1.01E+01
FW HEATER STAIRWAY	RE-2	1.84E+01

AREA	INSTR NO.	MR/HR
RADWASTE SUMP	RE-6	8.99E+01
RADWASTE CHEM WST REC TANK	RE-7	5.40E+00
RADWASTE CORRIDOR	RE-5	2.60E+00
RADWASTE SHIPPING DOCK	RE-9	7.00E-01

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413 NORMAL

AREA RADIATION

NORMAL

EFFL RAD NORMAL | MSL RAD NORMAL | AREA RAD NORMAL

AREA (Hi RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	3.00E+00
DRYWELL B	RIT1001-606B	2.90E+00
TORUS A	RIT1001-607A	0.00E+00
TORUS B	RIT1001-607B	0.00E+00

AREA	INSTR NO.	MR/HR
NEW FUEL RACKS	RE-12	2.00E-01
REFUEL FLR-NEW FUEL VAULT	RE-11	5.00E-01
REFUEL FLR-SPENT FUEL POOL	RE-14	1.00E+01
REFUEL FLR-SHIELD PLUG	RE-13	1.00E+00

AREA	INSTR NO.	MR/HR
MAIN CONTROL ROOM	RE-3	0.00E+00
MAIN CONTROL ROOM INTAKE	RM-1705-16	0.00E+00
RX BLDG OUTSIDE TIP RM	RE-8	1.00E-01
RXBLDG ACCESS-SE	RE-10	4.00E+00
TURB BLDG COND PMP STAIRWAY	RE-1	2.00E+00
TURBINE FRONT STANDARD	RE-4	1.01E+01
FW HEATER STAIRWAY	RE-2	1.83E+01

AREA	INSTR NO.	MR/HR
RADWASTE SUMP	RE-6	8.99E+01
RADWASTE CHEM WST REC TANK	RE-7	5.40E+00
RADWASTE CORRIDOR	RE-5	2.60E+00
RADWASTE SHIPPING DOCK	RE-9	7.00E-01

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413 NORMAL

AREA RADIATION

NORMAL

EFFL RAD NORMAL | MSL RAD NORMAL | AREA RAD NORMAL

AREA (HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	3.80E+00
DRYWELL B	RIT1001-606B	3.70E+00
TORUS A	RIT1001-607A	0.00E+00
TORUS B	RIT1001-607B	0.00E+00

AREA	INSTR NO.	MR/HR
NEW FUEL RACKS	RE-12	2.00E-01
REFUEL FLR-NEW FUEL VAULT	RE-11	5.00E-01
REFUEL FLR-SPENT FUEL POOL	RE-14	1.00E+01
REFUEL FLR-SHIELD PLUG	RE-13	1.00E+00

AREA	INSTR NO.	MR/HR
MAIN CONTROL ROOM	RE-3	0.00E+00
MAIN CONTROL ROOM INTAKE	RM-1705-16	0.00E+00
RX BLDG OUTSIDE TIP RM	RE-8	1.00E-01
RXBLDG ACCESS-SE	RE-10	4.00E+00
TURB BLDG COND PMP STAIRWAY	RE-1	2.00E+00
TURBINE FRONT STANDARD	RE-4	9.20E+00
FW HEATER STAIRWAY	RE-2	1.60E+01

AREA	INSTR NO.	MR/HR
RADWASTE SUMP	RE-6	8.99E+01
RADWASTE CHEM WST REC TANK	RE-7	5.40E+00
RADWASTE CORRIDOR	RE-5	2.60E+00
RADWASTE SHIPPING DOCK	RE-9	7.00E-01

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413 NORMAL

AREA RADIATION

NORMAL

EFFL RAD NORMAL | MSL RAD NORMAL | AREA RA... NORMA

AREA (HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	4.30E+00
DRYWELL B	RIT1001-606B	4.20E+00
TORUS A	RIT1001-607A	0.00E+00
TORUS B	RIT1001-607B	0.00E+00

AREA	INSTR NO.	MR/HR
NEW FUEL RACKS	RE-12	2.00E-01
REFUEL FLR-NEW FUEL VAULT	RE-11	5.00E-01
REFUEL FLR-SPENT FUEL POOL	RE-14	1.00E+01
REFUEL FLR-SHIELD PLUG	RE-13	1.00E+00

AREA	INSTR NO.	MR/HR
MAIN CONTROL ROOM	RE-3	0.00E+00
MAIN CONTROL ROOM INTAKE	RM-1705-16	0.00E+00
RX BLDG OUTSIDE TIP RM	RE-8	1.00E-01
RXBLDG ACCESS-SE	RE-10	4.00E+00
TURB BLDG COND PMP STAIRWAY	RE-1	1.90E+00
TURBINE FRONT STANDARD	RE-4	7.70E+00
FW HEATER STAIRWAY	RE-2	1.40E+01

AREA	INSTR NO.	MR/HR
RADWASTE SUMP	RE-6	8.99E+01
RADWASTE CHEM WST REC TANK	RE-7	5.40E+00
RADWASTE CORRIDOR	RE-5	2.60E+00
RADWASTE SHIPPING DOCK	RE-9	7.00E-01

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413 NORMAL

AREA RADIATION

NORMAL

EFFL RAD NORMAL | MSL RAD NORMAL | AREA RAD NORMAL

AREA (HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	4.60E+00
DRYWELL B	RIT1001-606B	4.50E+00
TORUS A	RIT1001-607A	0.00E+00
TORUS B	RIT1001-607B	0.00E+00

AREA	INSTR NO.	MR/HR
NEW FUEL RACKS	RE-12	2.00E-01
REFUEL FLR-NEW FUEL VAULT	RE-11	5.00E-01
REFUEL FLR-SPENT FUEL POOL	RE-14	1.00E+01
REFUEL FLR-SHIELD PLUG	RE-13	1.00E+00

AREA	INSTR NO.	MR/HR
MAIN CONTROL ROOM	RE-3	0.00E+00
MAIN CONTROL ROOM INTAKE	RM-1705-16	0.00E+00
RX BLDG OUTSIDE TIP RM	RE-8	1.00E-01
RXBLDG ACCESS-SE	RE-10	4.00E+00
TURB BLDG COND PMP STAIRWAY	RE-1	1.90E+00
TURBINE FRONT STANDARD	RE-4	7.40E+00
FW HEATER STAIRWAY	RE-2	1.35E+01

AREA	INSTR NO.	MR/HR
RADWASTE SUMP	RE-6	8.99E+01
RADWASTE CHEM WST REC TANK	RE-7	5.40E+00
RADWASTE CORRIDOR	RE-5	2.60E+00
RADWASTE SHIPPING DOCK	RE-9	7.00E-01

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413 NORMAL

AREA RADIATION

NORMAL

EFFL RAD NORMAL | MSL RAD NORMAL | AREA RAD NORMAL

AREA (HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	4.50E+00
DRYWELL B	RIT1001-606B	4.40E+00
TORUS A	RIT1001-607A	3.00E-01
TORUS B	RIT1001-607B	2.00E-01

AREA	INSTR NO.	MR/HR
NEW FUEL RACKS	RE-12	2.00E-01
REFUEL FLR-NEW FUEL VAULT	RE-11	5.00E-01
REFUEL FLR-SPENT FUEL POOL	RE-14	1.00E+01
REFUEL FLR-SHIELD PLUG	RE-13	1.00E+00

AREA	INSTR NO.	MR/HR
MAIN CONTROL ROOM	RE-3	0.00E+00
MAIN CONTROL ROOM INTAKE	RM-1705-16	0.00E+00
RX BLDG OUTSIDE TIP RM	RE-8	1.00E-01
RXBLDG ACCESS-SE	RE-10	4.00E+00
TURB BLDG COND PMP STAIRWAY	RE-1	1.90E+00
TURBINE FRONT STANDARD	RE-4	3.50E+00
FW HEATER STAIRWAY	RE-2	6.40E+00

AREA	INSTR NO.	MR/HR
RADWASTE SUMP	RE-6	8.99E+01
RADWASTE CHEM WST REC TANK	RE-7	5.40E+00
RADWASTE CORRIDOR	RE-5	2.60E+00
RADWASTE SHIPPING DOCK	RE-9	7.00E-01

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413 NORMAL

AREA RADIATION

NORMAL

EFFL RAD NORMAL | MSL RAD NORMAL | AREA RAD NORMAL

AREA (HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	4.60E+00
DRYWELL B	RIT1001-606B	4.50E+00
TORUS A	RIT1001-607A	2.00E-01
TORUS B	RIT1001-607B	2.00E-01

AREA	INSTR NO.	MR/HR
NEW FUEL RACKS	RE-12	2.00E-01
REFUEL FLR-NEW FUEL VAULT	RE-11	5.00E-01
REFUEL FLR-SPENT FUEL POOL	RE-14	1.00E+01
REFUEL FLR-SHIELD PLUG	RE-13	1.00E+00

AREA	INSTR NO.	MR/HR
MAIN CONTROL ROOM	RE-3	0.00E+00
MAIN CONTROL ROOM INTAKE	RM-1705-16	0.00E+00
RX BLDG OUTSIDE TIP RM	RE-8	1.00E-01
RXBLDG ACCESS-SE	RE-10	4.00E+00
TURB BLDG COND PMP STAIRWAY	RE-1	1.90E+00
TURBINE FRONT STANDARD	RE-4	6.50E+00
FW HEATER STAIRWAY	RE-2	1.19E+01

AREA	INSTR NO.	MR/HR
RADWASTE SUMP	RE-6	8.99E+01
RADWASTE CHEM WST REC TANK	RE-7	5.40E+00
RADWASTE CORRIDOR	RE-5	2.60E+00
RADWASTE SHIPPING DOCK	RE-9	7.00E-01

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413 NORMAL

AREA RADIATION

NORMAL

EFFL RAD NORMAL | MSL RAD NORMAL | AREA RAD NORMAL

AREA (HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	3.40E+00
DRYWELL B	RIT1001-606B	3.30E+00
TORUS A	RIT1001-607A	5.00E-01
TORUS B	RIT1001-607B	5.00E-01

AREA	INSTR NO.	MR/HR
NEW FUEL RACKS	RE-12	2.00E-01
REFUEL FLR-NEW FUEL VAULT	RE-11	5.00E-01
REFUEL FLR-SPENT FUEL POOL	RE-14	1.00E+01
REFUEL FLR-SHIELD PLUG	RE-13	1.00E+00

AREA	INSTR NO.	MR/HR
MAIN CONTROL ROOM	RE-3	0.00E+00
MAIN CONTROL ROOM INTAKE	RM-1705-16	0.00E+00
RX BLDG OUTSIDE TIP RM	RE-8	1.00E-01
RXBLDG ACCESS-SE	RE-10	4.00E+00
TURB BLDG COND PMP STAIRWAY	RE-1	1.80E+00
TURBINE FRONT STANDARD	RE-4	2.40E+00
FW HEATER STAIRWAY	RE-2	4.40E+00

AREA	INSTR NO.	MR/HR
RADWASTE SUMP	RE-6	8.99E+01
RADWASTE CHEM WST REC TANK	RE-7	5.40E+00
RADWASTE CORRIDOR	RE-5	2.60E+00
RADWASTE SHIPPING DOCK	RE-9	7.00E-01

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413 NORMAL

AREA RADIATION

NORMAL

EFFL RAD NORMAL | MSL RAD NORMAL | AREA RAD NORMAL

AREA (HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	3.10E+00
DRYWELL B	RIT1001-606B	3.00E+00
TORUS A	RIT1001-607A	5.00E-01
TORUS B	RIT1001-607B	4.00E-01

AREA	INSTR NO.	MR/HR
MAIN CONTROL ROOM	RE-3	0.00E+00
MAIN CONTROL ROOM INTAKE	RM-1705-16	0.00E+00
RX BLDG OUTSIDE TIP RM	RE-8	1.00E-01
RXBLDG ACCESS-SE	RE-10	4.00E+00
TURB BLDG COND PMP STAIRWAY	RE-1	1.80E+00
TURBINE FRONT STANDARD	RE-4	2.40E+00
FW HEATER STAIRWAY	RE-2	4.40E+00

AREA	INSTR NO.	MR/HR
NEW FUEL RACKS	RE-12	2.00E-01
REFUEL FLR-NEW FUEL VAULT	RE-11	5.00E-01
REFUEL FLR-SPENT FUEL POOL	RE-14	1.00E+01
REFUEL FLR-SHIELD PLUG	RE-13	1.00E+00
RADWASTE SUMP	RE-6	8.99E+01
RADWASTE CHEM WST REC TANK	RE-7	5.40E+00
RADWASTE CORRIDOR	RE-5	2.60E+00
RADWASTE SHIPPING DOCK	RE-9	7.00E-01

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Message No: 10

413 NORMAL

AREA RADIATION

NORMAL

EFFL RAD NORMAL | MSL RAD NORMAL | AREA RAD NORMAL

AREA (HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	2.90E+00
DRYWELL B	RIT1001-606B	2.80E+00
TORUS A	RIT1001-607A	4.00E-01
TORUS B	RIT1001-607B	3.00E-01

AREA	INSTR NO.	MR/HR
NEW FUEL RACKS	RE-12	2.00E-01
REFUEL FLR-NEW FUEL VAULT	RE-11	5.00E-01
REFUEL FLR-SPENT FUEL POOL	RE-14	1.00E+01
REFUEL FLR-SHIELD PLUG	RE-13	1.00E+00

AREA	INSTR NO.	MR/HR
MAIN CONTROL ROOM	RE-3	0.00E+00
MAIN CONTROL ROOM INTAKE	RM-1705-16	0.00E+00
RX BLDG OUTSIDE TIP RM	RE-8	1.00E-01
RXBLDG ACCESS-SE	RE-10	4.00E+00
TURB BLDG COND PMP STAIRWAY	RE-1	1.80E+00
TURBINE FRONT STANDARD	RE-4	2.00E+00
FW HEATER STAIRWAY	RE-2	3.60E+00

AREA	INSTR NO.	MR/HR
RADWASTE SUMP	RE-6	8.99E+01
RADWASTE CHEM WST REC TANK	RE-7	5.40E+00
RADWASTE CORRIDOR	RE-5	2.60E+00
RADWASTE SHIPPING DOCK	RE-9	7.00E-01

PILGRIM --- 28-MAY-1992 02:15

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413 NORMAL

AREA RADIATION

NORMAL

EFFL RAD NORMAL | MSL RAD NORMAL | AREA RAD NORMAL

AREA (HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	2.60E+00
DRYWELL B	RIT1001-606B	2.50E+00
TORUS A	RIT1001-607A	3.00E-01
TORUS B	RIT1001-607B	3.00E-01

AREA	INSTR NO.	MR/HR
NEW FUEL RACKS	RE-12	2.00E-01
REFUEL FLR-NEW FUEL VAULT	RE-11	5.00E-01
REFUEL FLR-SPENT FUEL POOL	RE-14	1.00E+01
REFUEL FLR-SHIELD PLUG	RE-13	1.00E+00

AREA	INSTR NO.	MR/HR
MAIN CONTROL ROOM	RE-3	0.00E+00
MAIN CONTROL ROOM INTAKE	RM-1705-16	0.00E+00
RX BLDG OUTSIDE TIP RM	RE-8	1.00E-01
RXBLDG ACCESS-SE	RE-10	4.00E+00
TURB BLDG COND PMP STAIRWAY	RE-1	1.30E+00
TURBINE FRONT STANDARD	RE-4	2.00E+00
FW WATER STAIRWAY	RE-2	3.60E+00

AREA	INSTR NO.	MR/HR
RADWASTE SUMP	RE-6	8.99E+01
RADWASTE CHEM WST REC TANK	RE-7	5.40E+00
RADWASTE CORRIDOR	RE-5	2.60E+00
RADWASTE SHIPPING DOCK	RE-9	7.00E-01

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413 NORMAL

AREA RADIATION

NORMAL

EFFL RAD NORMAL | MSL RAD NORMAL | AREA RAD NORMAL

AREA (HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	2.40E+00
DRYWELL B	RIT1001-606B	2.30E+00
TORUS A	RIT1001-607A	2.00E-01
TORUS B	RIT1001-607B	2.00E-01

AREA	INSTR NO.	MR/HR
MAIN CONTROL ROOM	RE-3	0.00E+00
MAIN CONTROL ROOM INTAKE	RM-1705-16	0.00E+00
RX BLDG OUTSIDE TIP RM	RE-8	1.00E-01
RXBLDG ACCESS-SE	RE-10	4.00E+00
TURB BLDG COND PMP STAIRWAY	RE-1	1.80E+00
TURBINE FRONT STANDARD	RE-4	2.50E+00
FW HEATER STAIRWAY	RE-2	4.50E+00

AREA	INSTR NO.	MR/HR
NEW FUEL RACKS	RE-12	2.00E-01
REFUEL FLR-NEW FUEL VAULT	RE-11	5.00E-01
REFUEL FLR-SPENT FUEL POOL	RE-14	1.00E+01
REFUEL FLR-SHIELD PLUG	RE-13	1.00E+00
RADWASTE SUMP	RE-6	8.99E+01
RADWASTE CHEM WST REC TANK	RE-7	5.40E+00
RADWASTE CORRIDOR	RE-5	2.60E+00
RADWASTE SHIPPING DOCK	RE-9	7.00E-01

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413 NORMAL

AREA RADIATION

NORMAL

EFFL RAD NORMAL | MSL RAD NORMAL | AREA RAD NORMAL

AREA (HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	2.30E+00
DRYWELL B	RIT1001-606B	2.20E+00
TORUS A	RIT1001-607A	2.00E-01
TORUS B	RIT1001-607B	2.00E-01

AREA	INSTR NO.	MR/HR
NEW FUEL RACKS	RE-12	2.00E-01
REFUEL FLR-NEW FUEL VAULT	RE-11	5.00E-01
REFUEL FLR-SPENT FUEL POOL	RE-14	1.00E+01
REFUEL FLR-SHIELD PLUG	RE-13	1.00E+00

AREA	INSTR NO.	MR/HR
MAIN CONTROL ROOM	RE-3	0.00E+00
MAIN CONTROL ROOM INTAKE	RM-1705-16	0.00E+00
RX BLDG OUTSIDE TIP RM	RE-8	1.00E-01
RXBLDG ACCESS-SE	RE-10	4.00E+00
TURB BLDG COND PMP STAIRWAY	RE-1	1.80E+00
TURBINE FRONT STANDARD	RE-4	2.70E+00
FW HEATER STAIRWAY	RE-2	4.90E+00

AREA	INSTR NO.	MR/HR
RADWASTE SUMP	RE-6	8.99E+01
RADWASTE CHEM WST REC TANK	RE-7	5.40E+00
RADWASTE CORRIDOR	RE-5	2.60E+00
RADWASTE SHIPPING DOCK	RE-9	7.00E-01

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Message No: 14

413 NORMAL

AREA RADIATION

NORMAL

EFFL RAD NORMAL | MSL RAD NORMAL | AREA RAD NORMAL

AREA (HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	2.20E+00
DRYWELL B	RIT1001-606B	2.10E+00
TORUS A	RIT1001-607A	2.00E-01
TORUS B	RIT1001-607B	1.00E-01

AREA	INSTR NO.	MR/HR
NEW FUEL RACKS	RE-12	2.00E-01
REFUEL FLR-NEW FUEL VAULT	RE-11	5.00E-01
REFUEL FLR-SPENT FUEL POOL	RE-14	1.00E+01
REFUEL FLR-SHIELD PLUG	RE-13	1.00E+00

AREA	INSTR NO.	MR/HR
MAIN CONTROL ROOM	RE-3	0.00E+00
MAIN CONTROL ROOM INTAKE	RM-1705-16	0.00E+00
RX BLDG OUTSIDE TIP RM	RE-8	1.00E-01
RXBLDG ACCESS-SE	RE-10	4.00E+00
TURB BLDG COND PMP STAIRWAY	RE-1	1.90E+00
TURBINE FRONT STANDARD	RE-4	2.90E+00
FW HEATER STAIRWAY	RE-2	5.20E+00

AREA	INSTR NO.	MR/HR
RADWASTE SUMP	RE-6	8.99E+01
RADWASTE CHEM WST REC TANK	RE-7	5.40E+00
RADWASTE CORRIDOR	RE-5	2.60E+00
RADWASTE SHIPPING DOCK	RE-9	7.00E-01

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413 NORMAL

AREA RADIATION

NORMAL

EFFL RAD NORMAL | MSL RAD NORMAL | AREA RAD NORMAL

AREA (HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	2.20E+00
DRYWELL B	RIT1001-606B	2.10E+00
TORUS A	RIT1001-607A	2.00E-01
TORUS B	RIT1001-607B	1.00E-01

AREA	INSTR NO.	MR/HR
NEW FUEL RACKS	RE-12	2.00E-01
REFUEL FLR-NEW FUEL VAULT	RE-11	5.00E-01
REFUEL FLR-SPENT FUEL POOL	RE-14	1.00E+01
REFUEL FLR-SHIELD PLUG	RE-13	1.00E+00

AREA	INSTR NO.	MR/HR
MAIN CONTROL ROOM	RE-3	0.00E+00
MAIN CONTROL ROOM INTAKE	RM-1705-16	0.00E+00
RX BLDG OUTSIDE TIP RM	RE-8	1.00E-01
RXBLDG ACCESS-SE	RE-10	4.00E+00
TURB BLDG COND PMP STAIRWAY	RE-1	1.90E+00
TURBINE FRONT STANDARD	RE-4	4.00E+00
FW HEATER STAIRWAY	RE-2	7.40E+00

AREA	INSTR NO.	MR/HR
RADWASTE SUMP	RE-6	8.99E+01
RADWASTE CHEM WST REC TANK	RE-7	5.40E+00
RADWASTE CORRIDOR	RE-5	2.60E+00
RADWASTE SHIPPING DOCK	RE-9	7.00E-01

PILGRIM --- 28-MAY-1992 03:20

Message No: 16

413 NORMAL

AREA RADIATION

NORMAL

EFFL RAD NORMAL | MSL RAD NORMAL | AREA RAD NORMAL

AREA (HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	2.00E+00
DRYWELL B	RIT1001-606B	1.90E+00
TORUS A	RIT1001-607A	1.00E-01
TORUS B	RIT1001-607B	1.00E-01

AREA	INSTR NO.	MR/HR
NEW FUEL RACKS	RE-12	2.00E-01
REFUEL FLR-NEW FUEL VAULT	RE-11	5.00E-01
REFUEL FLR-SPENT FUEL POOL	RE-14	1.00E+01
REFUEL FLR-SHIELD PLUG	RE-13	1.00E+00

AREA	INSTR NO.	MR/HR
MAIN CONTROL ROOM	RE-3	0.00E+00
MAIN CONTROL ROOM INTAKE	RM-1705-16	0.00E+00
RX BLDG OUTSIDE TIP RM	RE-8	1.00E-01
RXBLDG ACCESS-SE	RE-10	4.00E+00
TURB BLDG COND PMP STAIRWAY	RE-1	1.90E+00
TURBINE FRONT STANDARD	RE-4	3.10E+00
FW HEATER STAIRWAY	RE-2	5.70E+00

AREA	INSTR NO.	MR/HR
RADWASTE SUMP	RE-6	8.99E+01
RADWASTE CHEM WST REC TANK	RE-7	5.40E+00
RADWASTE CORRIDOR	RE-5	2.60E+00
RADWASTE SHIPPING DOCK	RE-9	7.00E-01

PILGRIM -- 28-MAY-1992 03:30

Message No: 17

413 NORMAL

AREA RADIATION

NORMAL

EFFL RAD NORMAL | MSL RAD NORMAL | AREA RAD NORMAL

AREA (HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	1.90E+00
DRYWELL B	RIT1001-606B	1.80E+00
TORUS A	RIT1001-607A	1.00E-01
TORUS B	RIT1001-607B	1.00E-01

AREA	INSTR NO.	MR/HR
NEW FUEL RACKS	RE-12	2.00E-01
REFUEL FLR-NEW FUEL VAULT	RE-11	5.00E-01
REFUEL FLR-SPENT FUEL POOL	RE-14	1.00E-01
REFUEL FLR-SHIELD PLUG	RE-13	1.00E+00

AREA	INSTR NO.	MR/HR
MAIN CONTROL ROOM	RE-3	0.00E+00
MAIN CONTROL ROOM INTAKE	RM-1705-16	0.00E+00
RX BLDG OUTSIDE TIP RM	RE-8	1.00E-01
RXBLDG ACCESS-SE	RE-10	4.00E+00
TURB BLDG COND PMP STAIRWAY	RE-1	1.90E+00
TURBINE FRONT STANDARD	RE-4	2.80E+00
FW HEATER STAIRWAY	RE-2	5.10E+00

AREA	INSTR NO.	MR/HR
RADWASTE SUMP	RE-6	8.99E+01
RADWASTE CHEM WST REC TANK	RE-7	5.40E+00
RADWASTE CORRIDOR	RE-5	2.60E+00
RADWASTE SHIPPING DOCK	RE-9	7.00E-01

PILGRIM --- 28-MAY-1992 03:45

Message No: 18

413 NORMAL

AREA RADIA

NORMAL

EFFL RAD NORMAL | MSL RAD NORMAL

AREA (HI RANGE)	INSTR NO.	R/HR
DRYWELL A	RIT1001-606A	1.80E+00
DRYWELL B	RIT1001-606B	1.70E+00
TORUS A	RIT1001-607A	1.00E-01
TORUS B	RIT1001-607B	1.00E-01

AREA	INSTR NO.	MR/HR
NEW FUEL RACKS	RE-12	2.00E-01
REFUEL FLR-NEW FUEL VAULT	RE-11	5.00E-01
REFUEL FLR-SPENT FUEL POOL	RE-14	1.00E+01
REFUEL FLR-SHIELD PLUG	RE-13	1.00E+00

AREA	INSTR NO.	MR/HR
MAIN CONTROL ROOM	RE-3	0.00E+00
MAIN CONTROL ROOM INTAKE	RM-1705-16	0.00E+00
RX BLDG OUTSIDE TIP RM	RE-8	1.00E-01
RXBLDG ACCESS-SE	RE-10	4.00E+00
TURB BLDG COND PMP STAIRWAY	RE-1	1.80E+00
TURBINE FRONT STANDARD	RE-4	2.20E+00
FW HEATER STAIRWAY	RE-2	4.00E+00

AREA	INSTR NO.	MR/HR
RADWASTE SUMP	RE-6	8.99E+01
RADWASTE CHEM WST REC TANK	RE-7	5.40E+00
RADWASTE CORRIDOR	RE-5	2.60E+00
RADWASTE SHIPPING DOCK	RE-9	7.00E-01

PILGRIM --- 28-MAY-1992 04:00

Message No: 19

111 RPV NORMAL

EFFLUENT RADIATION

CNTMT NORMAL

EFFL RAD NORMAL

VENT	INSTR NO.	UNITS		VENT	INSTR NO.	UNITS	
STACK GAS #1	RM-1705-18A	7.06E+01	CPS	RX BLDG EXH VENT A	RM-1705-32A	3.77E+01	CPS
STACK GAS #2	RM-1705-18B	6.99E+01	CPS	RX BLDG EXH VENT B	RM-1705-32B	3.77E+01	CPS
MAIN STACK GAS	RT-1001-608	0.00E+00	R/HR	RX BLDG EXH VENT	RT-1001-609	0.00E+00	R/HR
REFUEL FLR VENT EXH A	RM-1705-8A	6.00E+00	MR/HR	RADWASTE EFFLUENT	RM-1705-30	4.00E+03	CPS
REFUEL FLR VENT EXH B	RM-1705-8B	4.00E+00	MR/HR	TURB BLDG ROOF EXH	RT-1001-610	0.00E+00	R/HR
REFUEL FLR VENT EXH C	RM-1705-8C	2.00E+00	MR/HR	SBGT DISCHARGE	RM-1705-9	3.00E+00	MR/HR
REFUEL FLR VENT EXH D	RM-1705-8D	2.00E+00	MR/HR				
REFUEL FLR VENT EXH		NORMAL					

PILGRIM --- 28-MAY-1992 00:00

111 RPV NORMAL

EFFLUENT RADIATION

CNTMT NORMAL

EFFL RAD NORMAL

VENT	INSTR NO.	UNITS		VENT	INSTR NO.	UNITS	
STACK GAS #1	RM-1705-18A	6.91E+01	CPS	RX BLDG EXH VENT A	RM-1705-32A	3.77E+01	CPS
STACK GAS #2	RM-1705-18B	6.84E+01	CPS	RX BLDG EXH VENT B	RM-1705-32B	3.77E+01	CPS
MAIN STACK GAS	RT-1001-608	0.00E+00	R/HR	RX BLDG EXH VENT	RT-1001-609	0.00E+00	R/HR
REFUEL FLR VENT EXH A	RM-1705-8A	6.00E+00	MR/HR	RADWASTE EFFLUENT	RM-1705-30	4.00E+03	CPS
REFUEL FLR VENT EXH B	RM-1705-8B	4.00E+00	MR/HR	TURB BLDG ROOF EXH	RT-1001-610	0.00E+00	R/HR
REFUEL FLR VENT EXH C	RM-1705-8C	2.00E+00	MR/HR	SBGT DISCHARGE	RM-1705-9	3.00E+00	MR/HR
REFUEL FLR VENT EXH D	RM-1705-8D	2.00E+00	MR/HR				
REFUEL FLR VENT EXH		NORMAL					

PILGRIM --- 28-MAY-1992 00:15

111 RPV NORMAL

EFFLUENT RADIATION

CNTMT NORMAL

EFFL RAD NORMAL

VENT	INSTR NO.	UNITS		VENT	INSTR NO.	UNITS	
STACK GAS #1	RM-1705-18A	6.72E+01	CPS	RX BLDG EXH VENT A	RM-1705-32A	3.77E+01	CPS
STACK GAS #2	RM-1705-18B	6.65E+01	CPS	RX BLDG EXH VENT B	RM-1705-32B	3.77E+01	CPS
MAIN STACK GAS	RT-1001-608	0.00E+00	R/HR	RX BLDG EXH VENT	RT-1001-609	0.00E+00	R/HR
REFUEL FLR VENT EXH A	RM-1705-8A	6.00E+00	MR/HR	RADWASTE EFFLUENT	RM-1705-30	4.00E+03	CPS
REFUEL FLR VENT EXH B	RM-1705-8B	4.00E+00	MR/HR	TURB BLDG ROOF EXH	RT-1001-610	0.00E+00	R/HR
REFUEL FLR VENT EXH C	RM-1705-8C	2.00E+00	MR/HR	SBGT DISCHARGE	RM-1705-9	3.00E+00	MR/HR
REFUEL FLR VENT EXH D	RM-1705-8D	2.00E+00	MR/HR				
REFUEL FLR VENT EXH		NORMAL					

PILGRIM --- 26-MAY-1992 00:30

111 RPV NORMAL

EFFLUENT RADIATION

CNTMT NORMAL

EFFL RAD NORMAL

VENT	INSTR NO.	UNITS		VENT	INSTR NO.	UNITS	
STACK GAS #1	RM-1705-18A	5.89E+01	CPS	RX BLDG EXH VENT A	RM-1705-32A	3.67E+01	CPS
STACK GAS #2	RM-1705-18B	5.83E+01	CPS	RX BLDG EXH VENT B	RM-1705-32B	3.67E+01	CPS
MAIN STACK GAS	RT-1001-606	0.00E+00	R/HR	RX BLDG EXH VENT	RT-1001-609	0.00E+00	R/HR
REFUEL FLR VENT EXH A	RM-1705-8A	6.00E+00	MR/HR	RADWASTE EFFLUENT	RM-1705-30	4.00E+03	CPS
REFUEL FLR VENT EXH B	RM-1705-8B	4.00E+00	MR/HR	TURB BLDG ROOF EXH	RT-1001-610	0.00E+00	R/HR
REFUEL FLR VENT EXH C	RM-1705-8C	2.00E+00	MR/HR	SBGT DISCHARGE	RM-1705-9	3.00E+00	MR/HR
REFUEL FLR VENT EXH D	RM-1705-8D	2.00E+00	MR/HR				
REFUEL FLR VENT EXH		NORMAL					

PILGRIM --- 28-MAY-1992 00:45

111 RPV NORMAL

EFFLUENT RADIATION

CNTMT NORMAL

EFFL RAD NORMAL

VENT	INSTR NO.	UNITS		VENT	INSTR NO.	UNITS	
STACK GAS #1	RM-1705-18A	4.89E+01	CPS	RX BLDG EXH VENT A	RM-1705-32A	3.51E+01	CPS
STACK GAS #2	RM-1705-18B	4.84E+01	CPS	RX BLDG EXH VENT B	RM-1705-32B	3.51E+01	CPS
MAIN STACK GAS	RT-1001-608	0.00E+00	R/HR	RX BLDG EXH VENT	RT-1001-609	0.00E+00	R/HR
REFUEL FLR VENT EXH A	RM-1705-8A	6.00E+00	MR/HR	RADWASTE EFFLUENT	RM-1705-30	4.00E+03	CPS
REFUEL FLR VENT EXH B	RM-1705-8B	4.00E+00	MR/HR	TURB BLDG ROOF EXH	RT-1001-610	0.00E+00	R/HR
REFUEL FLR VENT EXH C	RM-1705-8C	2.00E+00	MR/HR	SBGT DISCHARGE	RM-1705-9	3.00E+00	MR/HR
REFUEL FLR VENT EXH D	RM-1705-8D	2.00E+00	MR/HR				
REFUEL FLR VENT EXH		NORMAL					

PILGRIM --- 28-MAY-1992 01:00

111 RPV NORMAL

EFFLUENT RADIATION

CNTMT NORMAL

EFFL RAD NORMAL

VENT	INSTR NO.	UNITS		VENT	INSTR NO.	UNITS	
STACK GAS #1	RM-1705-18A	4.66E+01	CPS	RX BLDG EXH VENT A	RM-1705-32A	3.48E+01	CPS
STACK GAS #2	RM-1705-18B	4.61E+01	CPS	RX BLDG EXH VENT B	RM-1705-32B	3.48E+01	CPS
MAIN STACK GAS	RT-1001-608	0.00E+00	R/HR	RX BLDG EXH VENT	RT-1001-609	0.00E+00	R/HR
REFUEL FLR VENT EXH A	RM-1705-8A	6.00E+00	MR/HR	RADWASTE EFFLUENT	RM-1705-30	4.00E+03	CPS
REFUEL FLR VENT EXH B	RM-1705-8B	4.00E+00	MR/HR	TURB BLDG ROOF EXH	RT-1001-610	0.00E+00	R/HR
REFUEL FLR VENT EXH C	RM-1705-8C	2.00E+00	MR/HR	SBGT DISCHARGE	RM-1705-9	3.00E+00	MR/HR
REFUEL FLR VENT EXH D	RM-1705-8D	2.00E+00	MR/HR				
REFUEL FLR VENT EXH		NORMAL					

PILGRIM ··· 28-MAY-1992 01:15

111 RPV NORMAL

EFFLUENT RADIATION

CNTMT NORMAL

EFFL RAD NORMAL

VENT	INSTR NO.	UNITS		VENT	INSTR NO.	UNITS	
STACK GAS #1	RM-1705-18A	4.83E+01	CPS	RX BLDG EXH VENT A	RM-1705-32A	2.04E+01	CPS
STACK GAS #2	RM-1705-18B	4.71E+01	CPS	RX BLDG EXH VENT B	RM-1705-32B	2.04E+01	CPS
MAIN STACK GAS	RT-1001-608	0.00E+00	R/HR	RX BLDG EXH VENT	RT-1001-609	0.00E+00	R/HR
REFUEL FLR VENT EXH A	RM-1705-8A	6.00E+00	MR/HR	RADWASTE EFFLUENT	RM-1705-30	4.00E+03	CPS
REFUEL FLR VENT EXH B	RM-1705-8B	4.00E+00	MR/HR	TURB BLDG ROOF EXH	RT-1001-610	0.00E+00	R/HR
REFUEL FLR VENT EXH C	RM-1705-8C	2.00E+00	MR/HR	SBGT DISCHARGE	RM-1705-9	3.00E+00	MR/HR
REFUEL FLR VENT EXH D	RM-1705-8D	2.00E+00	MR/HR				
REFUEL FLR VENT EXH		NORMAL					

PILGRIM --- 28-MAY-1992 01:25

111 RPV NORMAL

EFFLUENT RADIATION

CNTMT NORMAL

EFFL RAD NORMAL

VENT	INSTR NO.	UNITS		VENT	INSTR NO.	UNITS	
STACK GAS #1	RM-1705-18A	5.45E+01	CPS	RX BLDG EXH VENT A	RM-1705-32A	3.19E+01	CPS
STACK GAS #2	RM-1705-18B	5.40E+01	CPS	RX BLDG EXH VENT B	RM-1705-32B	3.19E+01	CPS
MAIN STACK GAS	RT-1001-608	0.00E+00	R/HR	RX BLDG EXH VENT	RT-1001-609	0.00E+00	R/HR
REFUEL FLR VENT EXH A	RM-1705-8A	6.00E+00	MR/HR	RADWASTE EFFLUENT	RM-1705-30	4.00E+03	CPS
REFUEL FLR VENT EXH B	RM-1705-8B	4.00E+00	MR/HR	TURB BLDG ROOF EXH	RT-1001-610	0.00E+00	R/HR
REFUEL FLR VENT EXH C	RM-1705-8C	2.00E+00	MR/HR	SBGT DISCHARGE	RM-1705-9	3.00E+00	MR/HR
REFUEL FLR VENT EXH D	RM-1705-8D	2.00E+00	MR/HR				
REFUEL FLR VENT EXH		NORMAL					

PILGRIM --- 28-MAY-1992 01:30

111 RPV NORMAL

EFFLUENT RADIATION

CNTMT NORMAL

EFFL RAD NORMAL

VENT	INSTR NO.	UNITS		VENT	INSTR NO.	UNITS	
STACK GAS #1	RM-1705-18A	3.37E+01	CPS	RX BLDG EXH VENT A	RM-1705-32A	1.76E+01	CPS
STACK GAS #2	RM-1705-18B	3.34E+01	CPS	RX BLDG EXH VENT B	RM-1705-32B	1.76E+01	CPS
MAIN STACK GAS	RT-1001-608	0.00E+00	R/HR	RX BLDG EXH VENT	RT-1001-609	0.00E+00	R/HR
REFUEL FLR VENT EXH A	RM-1705-8A	6.00E+00	MR/HR	RADWASTE EFFLUENT	HM-1705-30	4.00E+03	CPS
REFUEL FLR VENT EXH B	RM-1705-8B	4.00E+00	MR/HR	TURB BLDG ROOF EXH	RT-1001-610	0.00E+00	R/HR
REFUEL FLR VENT EXH C	RM-1705-8C	2.00E+00	MR/HR	SBGT DISCHARGE	RM-1705-9	3.00E+00	MR/HR
REFUEL FLR VENT EXH D	RM-1705-8D	2.00E+00	MR/HR				
REFUEL FLR VENT EXH		NORMAL					

PILGRIM --- 28-MAY-1992 01:45

111 RPV NORMAL

EFFLUENT RADIATION

CNTMT NORMAL

EFFL RAD NORMAL

VENT	INSTR NO.	UNITS		VENT	INSTR NO.	UNITS	
STACK GAS #1	RM-1705-18A	2.14E+01	CPS	RX BLDG EXH VENT A	RM-1705-32A	1.77E+01	CPS
STACK GAS #2	RM-1705-18B	2.12E+01	CPS	RX BLDG EXH VENT B	RM-1705-32B	1.77E+01	CPS
MAIN STACK GAS	RT-1001-608	0.00E+00	R/HR	RX BLDG EXH VENT	RT-1001-609	0.00E+00	R/HR
REFUEL FLR VENT EXH A	RM-1705-8A	6.00E+00	MR/HR	RADWASTE EFFLUENT	RM-1705-30	4.00E+03	CPS
REFUEL FLR VENT EXH B	RM-1705-8B	4.00E+00	MR/HR	TURB BLDG ROOF EXH	RT-1001-610	0.00E+00	R/HR
REFUEL FLR VENT EXH C	RM-1705-8C	2.00E+00	MR/HR	SBGT DISCHARGE	RM-1705-9	3.00E+00	MR/HR
REFUEL FLR VENT EXH D	RM-1705-8D	2.00E+00	MR/HR				
REFUEL FLR VENT EXH		NORMAL					

PILGRIM --- 28-MAY-1992 02:00

111 RPV NORMAL

EFFLUENT RADIATION

CNTMT NORMAL

EFFL RAD NORMAL

VENT	INSTR NO.	UNITS		VENT	INSTR NO.	UNITS	
STACK GAS #1	RM-1705-18A	1.91E+01	CPS	RX BLDG EXH VENT A	RM-1705-32A	1.75E+01	CPS
STACK GAS #2	RM-1705-18B	1.89E+01	CPS	RX BLDG EXH VENT B	RM-1705-32B	1.75E+01	CPS
MAIN STACK GAS	RT-1001-608	0.00E+00	R/HR	RX BLDG EXH VENT	RT-1001-609	0.00E+00	R/HR
REFUEL FLR VENT EXH A	RM-1705-8A	6.00E+00	MR/HR	RADWASTE EFFLUENT	RM-1705-30	4.00E+03	CPS
REFUEL FLR VENT EXH B	RM-1705-8B	4.00E+00	MR/HR	TURB BLDG ROOF EXH	RT-1001-610	0.00E+00	R/HR
REFUEL FLR VENT EXH C	RM-1705-8C	2.00E+00	MR/HR	SBGT DISCHARGE	RM-1705-9	3.00E+00	MR/HR
REFUEL FLR VENT EXH D	RM-1705-8D	2.00E+00	MR/HR				
REFUEL FLR VENT EXH		NORMAL					

PILGRIM --- 28-MAY-1992 02:15

111 RPV NORMAL

EFFLUENT RADIATION

CNTMT NORMAL

EFFL RAD NORMAL

VENT	INSTR NO.	UNITS		VENT	INSTR NO.	UNITS	
STACK GAS #1	RM-1705-18A	1.16E+01	CPS	RX BLDG EXH VENT A	RM-1705-32A	2.88E+01	CPS
STACK GAS #2	RM-1705-18B	1.15E+01	CPS	RX BLDG EXH VENT B	RM-1705-32B	2.88E+01	CPS
MAIN STACK GAS	RT-1001-608	0.00E+00	R/HR	RX BLDG EXH VENT	RT-1001-609	0.00E+00	R/HR
REFUEL FLR VENT EXH A	RM-1705-8A	6.00E+00	MR/HR	RADWASTE EFFLUENT	RM-1705-30	4.00E+03	CPS
REFUEL FLR VENT EXH B	RM-1705-8B	4.00E+00	MR/HR	TURB BLDG ROOF EXH	RT-1001-610	0.00E+00	R/HR
REFUEL FLR VENT EXH C	RM-1705-8C	2.00E+00	MR/HR	SBGT DISCHARGE	RM-1705-9	3.00E+00	MR/HR
REFUEL FLR VENT EXH D	RM-1705-8D	2.00E+00	MR/HR				
REFUEL FLR VENT EXH		NORMAL					

PILGRIM --- 28-MAY-1992 02:30

111 RPV NORMAL

EFFLUENT RADIATION

CNTMT NORMAL

EFFL RAD NORMAL

VENT	INSTR NO.	UNITS		VENT	INSTR NO.	UNITS	
STACK GAS #1	RM-1705-18A	1.41E+01	CPS	RX BLDG EXH VENT A	RM-1705-32A	2.94E+01	CPS
STACK GAS #2	RM-1705-18B	1.40E+01	CPS	RX BLDG EXH VENT B	RM-1705-32B	2.94E+01	CPS
MAIN STACK GAS	RT-1001-608	0.00E+00	R/HR	RX BLDG EXH VENT	RT-1001-609	0.00E+00	R/HR
REFUEL FLR VENT EXH A	RM-1705-8A	6.00E+00	MR/HR	RADWASTE EFFLUENT	RM-1705-30	4.00E+03	CPS
REFUEL FLR VENT EXH B	RM-1705-8B	4.00E+00	MR/HR	TURB BLDG ROOF EXH	RT-1001-610	0.00E+00	R/HR
REFUEL FLR VENT EXH C	RM-1705-8C	2.00E+00	MR/HR	SBGT DISCHARGE	RM-1705-9	3.00E+00	MR/HR
REFUEL FLR VENT EXH D	RM-1705-8D	2.00E+00	MR/HR				
REFUEL FLR VENT EXH		NORMAL					

PILGRIM --- 28-MAY-1992 02:45

111 RPV NORMAL

EFFLUENT RADIATION

CNTMT NORMAL

EFFL RAD NORMAL

VENT	INSTR NO.	UNITS		VENT	INSTR NO.	UNITS	
STACK GAS #1	RM-1705-18A	1.40E+01	CPS	RX BLDG EXH VENT A	RM-1705-32A	2.92E+01	CPS
STACK GAS #2	RM-1705-18B	1.39E+01	CPS	RX BLDG EXH VENT B	RM-1705-32B	2.92E+01	CPS
MAIN STACK GAS	RT-1001-608	0.00E+00	R/HR	RX BLDG EXH VENT	RT-1001-609	0.00E+00	R/HR
REFUEL FLR VENT EXH A	RM-1705-8A	6.00E+00	MR/HR	RADWASTE EFFLUENT	RM-1705-30	4.00E+03	CPS
REFUEL FLR VENT EXH B	RM-1705-8B	4.00E+00	MR/HR	TURB BLDG ROOF EXH	RT-1001-610	0.00E+00	R/HR
REFUEL FLR VENT EXH C	RM-1705-8C	2.00E+00	MR/HR	SBGT DISCHARGE	RM-1705-9	3.00E+00	MR/HR
REFUEL FLR VENT EXH D	RM-1705-8D	2.00E+00	MR/HR				
REFUEL FLR VENT EXH		NORMAL					

PILGRIM --- 28-MAY-1992 03:00

111 RPV NORMAL

EFFLUENT RADIATION

CNTMT NORMAL

EFFL RAD NORMAL

VENT	INSTR NO.	UNITS		VENT	INSTR NO.	UNITS	
STACK GAS #1	RM-1705-18A	1.38E+01	CPS	RX BLDG EXH VENT A	RM-1705-32A	2.94E+01	CPS
STACK GAS #2	RM-1705-18B	1.37E+01	CPS	RX BLDG EXH VENT B	RM-1705-32B	2.94E+01	CPS
MAIN STACK GAS	RT-1001-608	0.00E+00	R/HR	RX BLDG EXH VENT	RT-1001-609	0.00E+00	R/HR
REFUEL FLR VENT EXH A	RM-1705-8A	6.00E+00	MR/HR	RADWASTE EFFLUENT	RM-1705-30	4.00E+03	CPS
REFUEL FLR VENT EXH B	RM-1705-8B	4.00E+00	MR/HR	TURB BLDG ROOF EXH	RT-1001-610	0.00E+00	R/HR
REFUEL FLR VENT EXH C	RM-1705-8C	2.00E+00	MR/HR	SBGT DISCHARGE	RM-1705-9	3.00E+00	MR/HR
REFUEL FLR VENT EXH D	RM-1705-8D	2.00E+00	MR/HR				
REFUEL FLR VENT EXH		NORMAL					

PILGRIM --- 28-MAY-1992 03:15

111 RPV NORMAL

EFFLUENT RADIATION

CNTMT NORMAL

EFFL RAD NORMAL

VENT	INSTR NO.	UNITS		VENT	INSTR NO.	UNITS	
STACK GAS #1	RM-1705-18A	1.70E+01	CPS	RX BLDG EXH VENT A	RM-1705-32A	1.39E+02	CPS
STACK GAS #2	RM-1705-18B	1.69E+01	CPS	RX BLDG EXH VENT B	RM-1705-32B	1.39E+02	CPS
MAIN STACK GAS	RT-1001-608	0.00E+00	R/HR	RX BLDG EXH VENT	RT-1001-609	0.00E+00	R/HR
REFUEL FLR VENT EXH A	RM-1705-8A	6.00E+00	MR/HR	RADWASTE EFFLUENT	RM-1705-30	4.00E+03	CPS
REFUEL FLR VENT EXH B	RM-1705-8B	4.00E+00	MR/HR	TURB BLDG ROOF EXH	RT-1001-610	0.00E+00	R/HR
REFUEL FLR VENT EXH C	RM-1705-8C	2.00E+00	MR/HR	SBGT DISCHARGE	RM-1705-9	3.00E+00	MR/HR
REFUEL FLR VENT EXH D	RM-1705-8D	2.00E+00	MR/HR				
REFUEL FLR VENT EXH		NORMAL					

PILGRIM --- 28-MAY-1992 03:20

111 RPV NORMAL

EFFLUENT RADIATION

CNTMT NORMAL

EFFL RAD NORMAL

VENT	INSTR NO.	UNITS		VENT	INSTR NO.	UNITS	
STACK GAS #1	RM-1705-18A	2.06E+01	CPS	RX BLDG EXH VENT A	RM-1705-32A	4.22E+01	CPS
STACK GAS #2	RM-1705-18B	2.04E+01	CPS	RX BLDG EXH VENT B	RM-1705-32B	4.22E+01	CPS
MAIN STACK GAS	RT-1001-608	0.00E+00	R/HR	RX BLDG EXH VENT	RT-1001-609	0.00E+00	R/HR
REFUEL FLR VENT EXH A	RM-1705-8A	6.00E+00	MR/HR	RADWASTE EFFLUENT	RM-1705-30	4.00E+03	CPS
REFUEL FLR VENT EXH B	RM-1705-8B	4.00E+00	MR/HR	TURB BLDG ROOF EXH	RT-1001-610	0.00E+00	R/HR
REFUEL FLR VENT EXH C	RM-1705-8C	2.00E+00	MR/HR	SBGT DISCHARGE	RM-1705-9	3.00E+00	MR/HR
REFUEL FLR VENT EXH D	RM-1705-8D	2.00E+00	MR/HR				
REFUEL FLR VENT EXH		NORMAL					

PILGRIM --- 28-MAY-1992 03:30

111 RPV NORMAL

EFFLUENT RADIATION

CNTMT NORMAL

EFFL RAD NORMAL

VENT	INSTR NO.	UNITS		VENT	INSTR NO.	UNITS	
STACK GAS #1	RM-1705-18A	1.81E+01	CPS	RX BLDG EXH VENT A	RM-1705-32A	3.66E+01	CPS
STACK GAS #2	RM-1705-18B	1.79E+01	CPS	RX BLDG EXH VENT B	RM-1705-32B	3.66E+01	CPS
MAIN STACK GAS	RT-1001-603	0.00E+00	R/HR	RX BLDG EXH VENT	RT-1001-609	0.00E+00	R/HR
REFUEL FLR VENT EXH A	RM-1705-8A	6.00E+00	MR/HR	RADWASTE EFFLUENT	RM-1705-30	4.00E+03	CPS
REFUEL FLR VENT EXH B	RM-1705-8B	4.00E+00	MR/HR	TURB BLDG ROOF EXH	RT-1001-610	0.00E+00	R/HR
REFUEL FLR VENT EXH C	RM-1705-8C	2.00E+00	MR/HR	SBGT DISCHARGE	RM-1705-9	3.00E+00	MR/HR
REFUEL FLR VENT EXH D	RM-1705-8D	2.00E+00	MR/HR				
REFUEL FLR VENT EXH		NORMAL					

PILGRIM --- 28-MAY-1992 03:45

111 RPV NORMAL

EFFLUENT RADIATION

CNTMT NORMAL

EFFL RAD NORMAL

VENT	INSTR NO.	UNITS		VENT	INSTR NO.	UNITS	
STACK GAS #1	RM-1705-18A	1.17E+01	CPS	RX BLDG EXH VENT A	RM-1705-32A	2.93E+01	CPS
STACK GAS #2	RM-1705-18B	1.16E+01	CPS	RX BLDG EXH VENT B	RM-1705-32B	2.93E+01	CPS
MAIN STACK GAS	RT-1001-608	0.00E+00	R/HR	RX BLDG EXH VENT	RT-1001-609	0.00E+00	R/HR
REFUEL FLR VENT EXH A	RM-1705-8A	6.00E+00	MR/HR	RADWASTE EFFLUENT	RM-1705-30	4.00E+03	CPS
REFUEL FLR VENT EXH B	RM-1705-8B	4.00E+00	MR/HR	TURB BLDG ROOF EXH	RT-1001-610	0.00E+00	R/HR
REFUEL FLR VENT EXH C	RM-1705-8C	2.00E+00	MR/HR	SBGT DISCHARGE	RM-1705-9	3.00E+00	MR/HR
REFUEL FLR VENT EXH D	RM-1705-8D	2.00E+00	MR/HR				
REFUEL FLR VENT EXH		NORMAL					

PILGRIM --- 28-MAY-1992 04:00

Section 5.3
Dose Assessment

Dose Assessment Data

Dose assessment data is not provided in this scenario.

The release rate is not sufficient to cause offsite dose to exceed normal background levels or require any protective action recommendations.

Section 5.4
Count Room Data

Reactor Coolant Activity (µCi/cc)

Isotope	00:45	01:25	01:30	01:45	02:00	02:15	02:30	02:45	03:00	03:15	03:30	03:45	04:00
Kr-83m	4.95E-04	4.06E-04	3.93E-04	2.86E-04	2.60E-04	2.37E-04	2.15E-04	1.96E-04	1.78E-04	1.62E-04	1.48E-04	1.34E-04	1.22E-04
Kr-85m	6.90E-04	5.66E-04	5.59E-04	4.30E-04	4.14E-04	3.98E-04	3.83E-04	3.68E-04	3.54E-04	3.41E-04	3.28E-04	3.16E-04	3.04E-04
Kr-85	1.65E-04	1.35E-04	1.35E-04	1.08E-04	1.08E-04	1.08E-04	1.08E-04	1.08E-04	1.08E-04	1.08E-04	1.08E-04	1.08E-04	1.08E-04
Kr-87	7.02E-04	5.76E-04	5.50E-04	3.84E-04	3.35E-04	2.92E-04	2.55E-04	2.22E-04	1.94E-04	1.69E-04	1.47E-04	1.28E-04	1.12E-04
Kr-88	1.48E-03	1.21E-03	1.19E-03	8.94E-04	8.40E-04	7.90E-04	7.43E-04	6.98E-04	6.56E-04	6.17E-04	5.80E-04	5.45E-04	5.12E-04
Kr-89	2.51E-02	2.06E-02	6.88E-03	2.05E-04	7.64E-06	2.85E-07	1.06E-08	3.96E-10	1.47E-11	5.49E-13	2.05E-14	7.63E-16	2.84E-17
Xe-131m	1.06E-04	8.69E-05	8.69E-05	6.95E-05	6.94E-05	6.94E-05	6.94E-05	6.93E-05	6.93E-05	6.92E-05	6.92E-05	6.91E-05	6.91E-05
Xe-133m	3.48E-04	2.85E-04	2.85E-04	2.27E-04	2.27E-04	2.26E-04	2.25E-04	2.24E-04	2.24E-04	2.23E-04	2.22E-04	2.21E-04	2.21E-04
Xe-133	3.29E-02	2.70E-02	2.70E-02	2.15E-02	2.15E-02	2.15E-02	2.15E-02	2.14E-02	2.14E-02	2.14E-02	2.13E-02	2.13E-02	2.13E-02
Xe-135m	1.26E-03	1.03E-03	8.24E-04	3.34E-04	1.69E-04	8.58E-05	4.35E-05	2.21E-05	1.12E-05	5.67E-06	2.87E-06	1.46E-06	7.38E-07
Xe-135	2.99E-02	2.45E-02	2.44E-02	1.91E-02	1.88E-02	1.84E-02	1.81E-02	1.77E-02	1.74E-02	1.71E-02	1.68E-02	1.64E-02	1.61E-02
Xe-137	2.61E-02	2.14E-02	8.68E-03	4.63E-04	3.09E-05	2.06E-06	1.38E-07	9.19E-09	6.13E-10	4.09E-11	2.73E-12	1.82E-13	1.22E-14
Xe-138	3.09E-02	2.53E-02	1.99E-02	7.64E-03	3.67E-03	1.77E-03	8.50E-04	4.09E-04	1.96E-04	9.45E-05	4.54E-05	2.19E-05	1.05E-05
	1.50E-01	1.23E-01	9.08E-02	5.17E-02	4.64E-02	4.39E-02	4.24E-02	4.15E-02	4.08E-02	4.02E-02	3.97E-02	3.93E-02	3.89E-02
I-131	1.58E-03	1.30E-03	1.27E-03	9.65E-04	9.14E-04	8.66E-04	8.21E-04	7.78E-04	7.37E-04	6.98E-04	6.62E-04	6.27E-04	5.94E-04
I-132	6.03E-05	4.94E-05	1.10E-05	9.55E-08	1.04E-09	1.13E-11	1.23E-13	1.35E-15	1.47E-17	1.60E-19	1.74E-21	1.89E-23	2.06E-25
I-133	9.63E-04	7.90E-04	6.58E-04	3.24E-04	1.97E-04	1.19E-04	7.24E-05	4.40E-05	2.67E-05	1.62E-05	9.81E-06	5.95E-06	3.61E-06
I-134	1.05E-05	8.61E-06	1.65E-07	9.38E-13	6.65E-18	4.71E-23	3.34E-28	2.37E-33	1.68E-38	1.19E-43	8.44E-49	5.98E-54	4.24E-59
I-135	3.84E-04	3.15E-04	1.86E-04	3.09E-05	6.42E-06	1.33E-06	2.76E-07	5.74E-08	1.19E-08	2.47E-09	5.13E-10	1.06E-10	2.21E-11
	3.00E-03	2.46E-03	2.14E-03	1.32E-03	1.12E-03	9.87E-04	8.93E-04	8.22E-04	7.64E-04	7.14E-04	6.71E-04	6.33E-04	5.98E-04

Table 5-4.1

Turbine Building Air Samples

Table 5.4-2

Location		Area A			Area B			Area C		
		03:15	03:45	04:00	03:15	03:45	04:00	03:15	03:45	04:00
Condensate Bay 6'	I-131	1.40E-02	1.69E-03	4.34E-05	1.12E-02	1.41E-03	3.39E-05	6.26E-03	1.69E-04	1.89E-05
	I-132	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det
	I-133	2.08E-04	1.61E-05	2.64E-07	1.66E-04	1.34E-05	2.06E-07	9.29E-05	1.61E-06	1.15E-07
	I-134	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det
	I-135	1.09E-08	2.87E-10	1.61E-12	8.69E-09	2.39E-10	1.26E-12	4.85E-09	2.87E-11	7.01E-13
	Total	1.42E-02	1.71E-03	4.36E-05	1.14E-02	1.42E-03	3.42E-05	6.36E-03	1.71E-04	1.90E-05
Condensate Bay 23'	I-131	1.59E-02	1.88E-03	4.81E-05	1.03E-02	1.22E-03	3.11E-05	5.24E-03	6.30E-04	1.60E-05
	I-132	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det
	I-133	2.36E-04	1.79E-05	2.92E-07	1.53E-04	1.16E-05	1.89E-07	7.77E-05	5.98E-06	9.75E-08
	I-134	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det
	I-135	1.23E-08	3.19E-10	1.79E-12	7.97E-09	2.07E-10	1.16E-12	4.06E-09	1.07E-10	5.96E-13
	Total	1.61E-02	1.90E-03	4.84E-05	1.04E-02	1.23E-03	3.13E-05	5.31E-03	6.36E-04	1.61E-05
Condensate Bay 37'	I-131	1.12E-02	1.32E-03	3.30E-05	7.10E-03	8.55E-04	2.17E-05	1.78E-03	2.07E-04	5.28E-06
	I-132	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det
	I-133	1.66E-04	1.25E-05	2.01E-07	1.05E-04	8.12E-06	1.32E-07	2.63E-05	1.96E-06	3.21E-08
	I-134	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det	Not Det
	I-135	8.69E-09	2.23E-10	1.23E-12	5.50E-09	1.45E-10	8.06E-13	1.38E-09	3.51E-11	1.96E-13
	Total	1.14E-02	1.3[illegible]E-03	3.32E-05	7.21E-03	8.63E-04	2.18E-05	1.80E-03	2.09E-04	5.31[illegible]-06

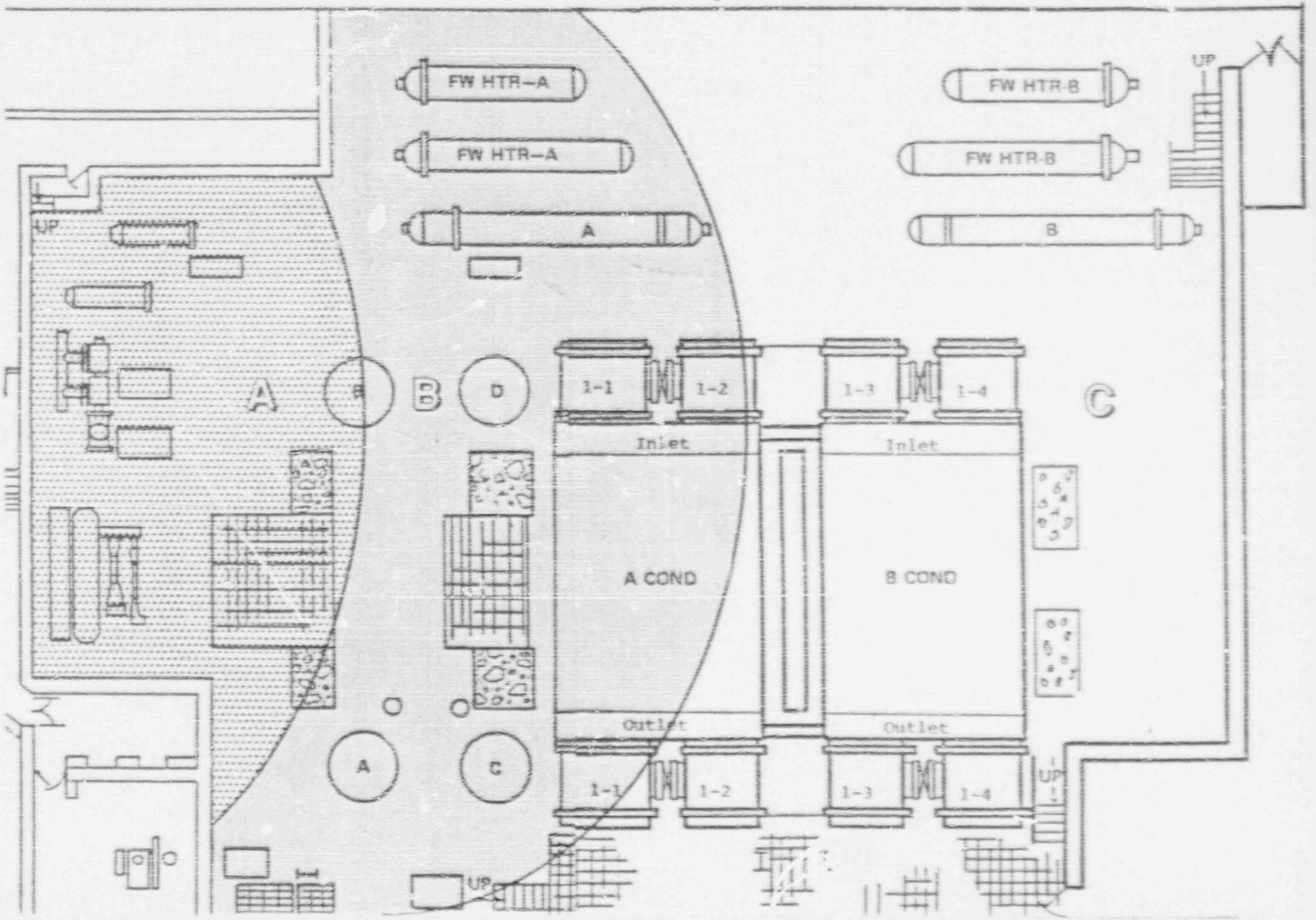
Section 5.5
In-Plant Radiation Data

In-Plant Rad Summary

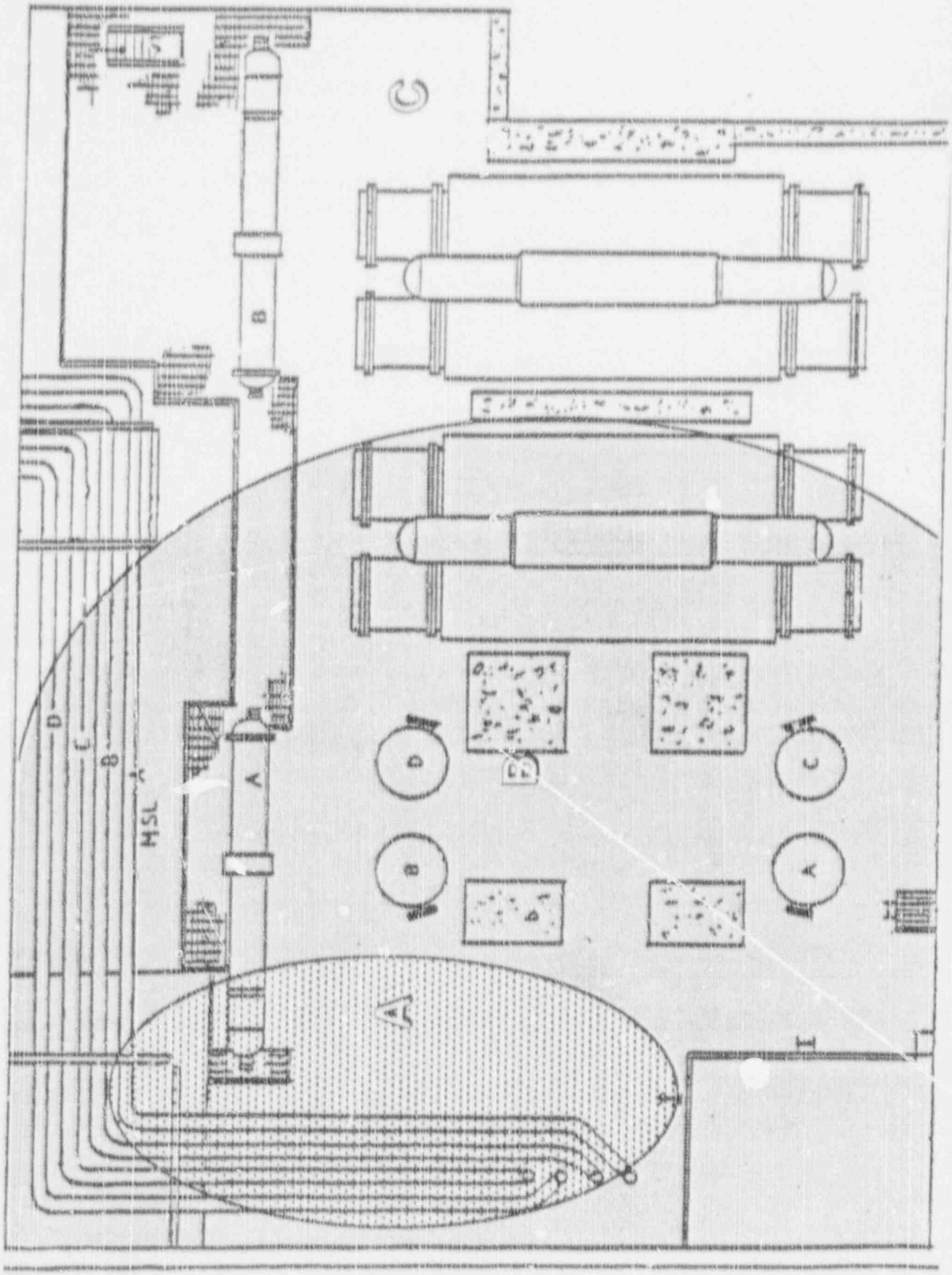
Table 5.5-1

Location			Time								
			00:00	01:25	01:30	02:00	02:30	03:00	03:15	03:45	04:00
Condensate Bay 6'	General Area Radiation Levels (mR/hr)	A	49.5	11.9	7.9	2.9	2.4	3.2	1233.0	148.0	3.7
		B	75.0	18.0	11.9	4.4	3.6	4.9	986.4	118.4	3.0
		C	5[illegible].5	16.2	10.7	4.0	3.2	4.4	548.0	65.8	1.6
	AgZ Gross Cartridge Readings (CPM)	A	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	1.5E+8	1.8E+7	4.6E+5
		B	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	1.2E+8	1.5E+7	3.6E+5
		C	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	6.7E+7	8.1E+6	2.0E+5
	Particulate Deposition Smears (CPM)	A	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Steam	720	738
		B	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Steam	576	590
		C	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Steam	320	328
Condensate Bay 23'	General Area Radiation Levels (mR/hr)	A	2350.0	564.0	35.0	11.0	8.7	9.2	1370.0	164.4	4.1
		B	135.0	32.4	21.4	7.9	6.5	8.8	904.2	108.5	2.7
		C	107.3	17.8	11.8	4.4	3.6	4.9	452.1	54.3	1.4
	AgZ Gross Cartridge Readings (CPM)	A	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	1.7E+8	2.0E+7	5.1E+5
		B	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	1.1E+8	1.3E+7	3.2E+5
		C	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	5.6E+7	6.7E+6	1.7E+5
	Particulate Deposition Smears (CPM)	A	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Steam	800	820
		B	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Steam	528	541
		C	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Steam	264	271
Condensate Bay 37'	General Area Radiation Levels (mR/hr)	A	7050.0	1692.0	105.0	33.0	26.1	27.6	959.0	115.1	2.9
		B	148.5	35.6	23.6	8.7	7.1	9.7	616.5	74.0	1.8
		C	118.0	19.6	13.0	4.8	3.9	5.3	150.7	18.1	0.5
	AgZ Gross Cartridge Readings (CPM)	A	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	1.2E+8	1.4E+7	3.5E+5
		B	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	7.6E+7	9.1E+6	2.3E+5
		C	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	1.9E+7	2.2E+6	5.6E+4
	Particulate Deposition Smears (CPM)	A	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Steam	560	574
		B	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Steam	360	369
		C	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Bkgd	Steam	88	90

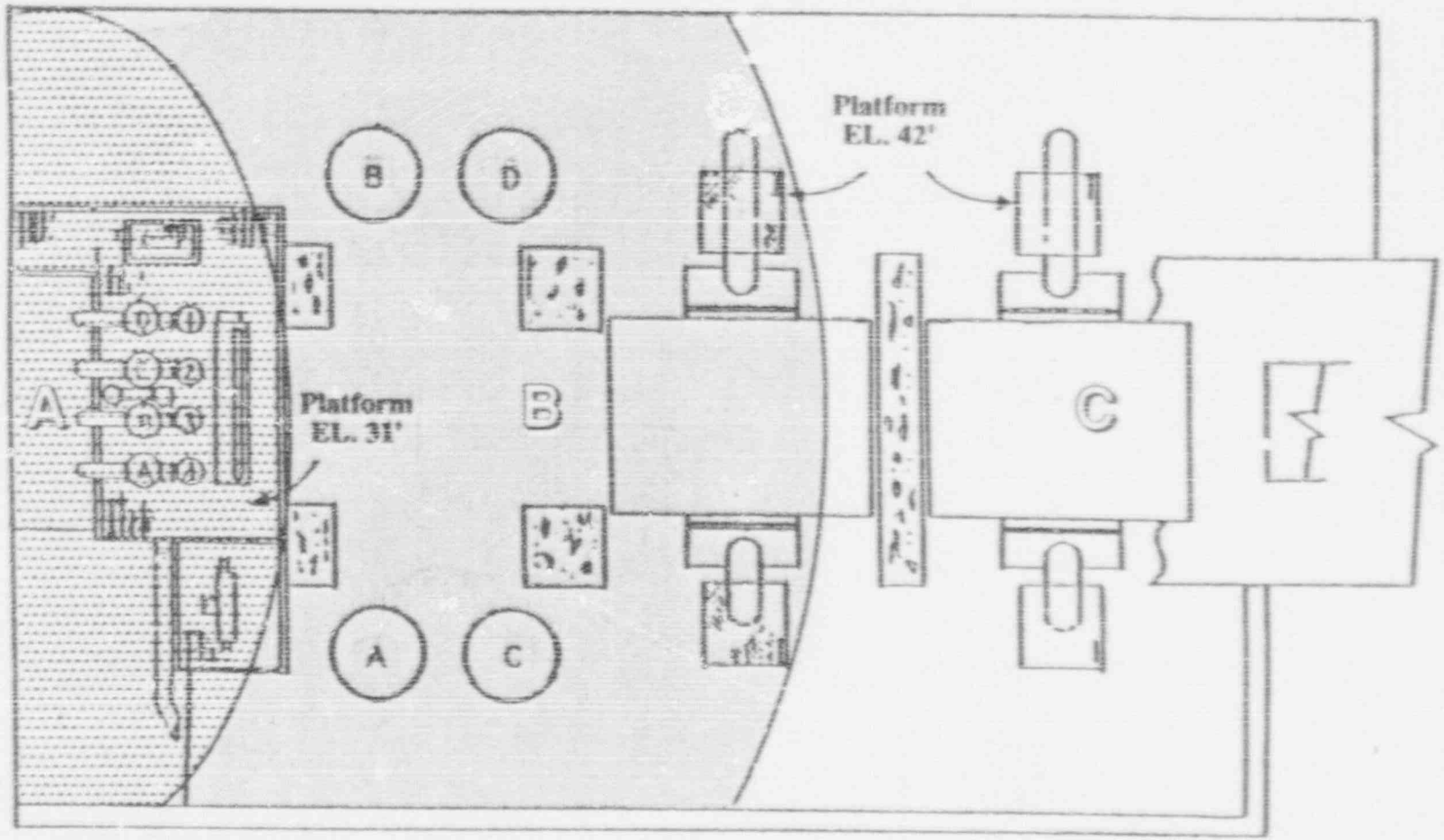
Condenser Bay 6'



Condenser Bay 23'



Condenser Bay 37'



Section 5.6
Environmental Data

Environmental Data

Environmental and field survey data is not provided in this scenario

The release rate is not sufficient to cause field measurements to increase beyond background levels.