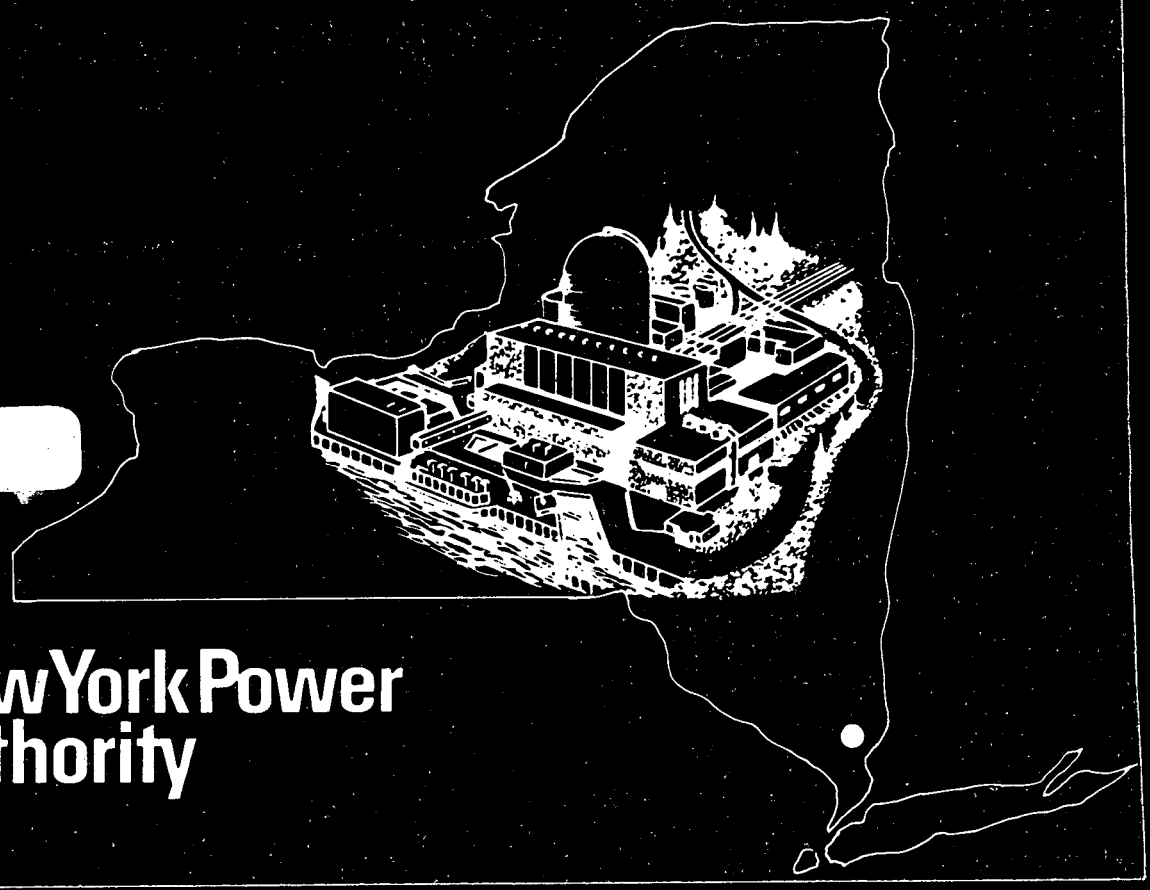
1989 PARTIAL EMERGENCY RESPONSE EXERCISE MANUAL

FOR THE

INDIAN POINT THREE NUCLEAR POWER PLANT

NOVEMBER 15, 1989



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New York Power Authority

NRC

NEW YORK POWER AUTHORITY

INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1989 NRC PARTIAL EXERCISE

NOVEMBER 15, 1989

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SECTION 1

GROUND RULES AND SAFETY PRECAUTIONS

NEW YORK POWER AUTHORITY

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SECTION 2

EXERCISE OBJECTIVES

NEW YORK POWER AUTHORITY

INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1989 NRC OBSERVED PARTIAL EXERCISE

NOVEMBER 15, 1989

cc: Mr. James Jamison
Emergency Preparedness Group
Health Physics Department
2955 George Washington Way
Richland, Washington 99352

Resident Inspector's Office - IP-3
U.S. Nuclear Regulatory Commission
P.O. Box 337
Buchanan, New York 10511

2. Demonstrate the communication capabilities between IP-3 and the NRC via the Emergency Notification System (ENS) and Health Physics Network (HPN) as requested by the NRC.

3. Demonstrate the ability to coordinate, deploy, control, and communicate with radiological monitoring teams.

4. Demonstrate the communication capabilities among the Emergency Response Facilities.

5. Demonstrate communication capabilities between IP-3, the Verplanck Ambulance Corps, and Peekskill Community Hospital.

F. EMERGENCY FACILITIES AND EQUIPMENT

1. Demonstrate the timely activation and staffing of the Emergency Response Facilities.

2. Demonstrate the capability of the Technical Support Center facilities, displays, and equipment to support emergency operations.

   a. Demonstrate TSC Staff members' understanding of reactor vessel water level expressed as a percent and the use of the plant SPDS computer to visually display that information (NRC Item #88-01).

   b. Demonstrate the tracking and trending of selected plant variables through the use of Plant Status Log forms (NRC Item #88-02).

3. Demonstrate the capability of the Operational Support Center facilities, displays, and equipment to support emergency operations.

4. Demonstrate the capability of the EOF facilities, displays, and equipment to support emergency operations.

   a. Demonstrate the capability of the EOF Staff to acquire and evaluate meteorological and radiological data from the field.

5. Demonstrate the use of onsite monitoring systems data (radiological, process, fire) to initiate emergency measures and conduct assessment.

6. Demonstrate the availability of appropriate equipment and procedures for determining offsite radiation measurements.

7. Demonstrate the appropriate equipment and procedures for the measurement of airborne radioiodine concentrations as low as 10-7 microcuries per cc in the presence of noble gases.

SECTION 3

OPERATIONS AND CONTROL

NEW YORK POWER AUTHORITY

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SECTION 3

INDIAN POINT NO. 3 NUCLEAR POWER PLANT
1989 NRC OBSERVED PARTIAL EXERCISE
NOVEMBER 15, 1989

OPERATIONS AND CONTROL

I. INSTRUCTIONS FOR OBSERVERS AND CONTROLLERS

The 1989 Partial Exercise for the Indian Point No. 3 Nuclear Power Plant will be conducted in accordance with IP-3 Emergency Plan Implementing Procedure IP-1080 - "Conduct of Emergency Exercises and Drills". This procedure describes the types of exercises and drills mandated, planning criteria, responsibilities of Controllers and Observers, and follow-up procedures for critique, reporting, and corrective actions. A copy of IP-1080 is attached (Attachment 1).

A. The following items will be simulated:

1. The taking of chemistry samples will be simulated. Teams will, however, be chosen, briefed, and dispatched. Because of the condensed time frame of the scenario, results of the samples will be provided shortly after teams are briefed.

2. "Dressing out" of some participants (as directed by Controllers) will be required in accordance with scenario and actual radiological conditions.

3. Remaining strictly within the bounds of ALARA, no entries will be made into containment or other high radiation areas. (Entry into PAB cells will be at the discretion of the OSC Controller.)

4. Actions that affect plant or non-exercise related operations and equipment will be simulated. Repair teams may be required to actually accumulate necessary tools, repair parts, and reference materials to perform assigned tasks at the discretion of the Lead OSC Controller.

5. Evacuation of entire assembly areas will be simulated. If evacuation is ordered by the Emergency Director, this will be demonstrated by a small group from each area and will be evaluated by the Accountability Observer in that area in accordance with IP-1053.

6. Routine plant surveillances (i.e., RCS leakage) may or may not be simulated at the discretion of the Emergency Response Facility Controllers. In cases where such activities do not interfere with the condensed time frame of the scenario, it is expected that Controllers will direct that such activities be performed..

B. All other emergency response activities will be performed and will include the following:

1. Facility activation and staffing (Control Room, OSC, TSC, EOF). The Joint News Center will be activated for training purposes only and will not be officially observed.

2. All notifications and communications.

3. Offsite field readings and sampling.

4. Dose assessment and protective action recommendations.

5. Radiological exposure control including control points, dosimetry issue, in-plant and offsite sampling, and Site access control.

6. Utilization of emergency response equipment including the MIDAS system computer, TSC computer system and monitors, and other specific equipment located in each facility as per the Emergency Plan.

7. Accountability will be demonstrated by all Site personnel with the exception of actual Watch stations.

C. In addition, all Controllers and Observers should note the following:

1. All communications leaving the site must indicate that this is an exercise. The statement "THIS IS A DRILL" must precede and end all such transmissions. If Communicators fail to make this statement, Observers are to immediately correct this deficiency.

2. If evacuation of an assembly area has been called for and demonstrated, the Assembly Area will be considered evacuated. It will no longer be necessary for the Observer to provide any further information to the Area Accountability Officer. However, the Observer should then assist the Accountability Officer in maintaining order and controlling access and egress in the Assembly Area.

3. Controllers and Observers are required to be present at their assigned locations but are not considered to be "visible" to the Players. As such, they should not impede performance of the Players in any way. Observers for OSC Repair Teams should remain in the I&C Superintendent's Office until they are called upon by the OSC Lead Controller to accompany a team.

4. Prompting player actions is <u>not</u> allowed. You must only provide that information whcih has been provided to you for dissemination to the Players. Any changes or additions to the scenario must be coordinated through the Control Room and Lead Controllers. If it becomes necessary to issue contingency messages to keep the scenario on track, insure that all Controllers and Observers involved are aware of the change and the reasons for it.

5. In some instances, Observers will also function as Controllers (e.g., those in Assembly Areas, with survey teams, and repair teams). You should initially tell Players how you will be providing information to them (i.e., if they look at their instruments, readings will be provided; if they report to investigate or repair something, a visual description will be provided, etc.).

6. Observers will complete and submit copies of their respective Observer Checklists to the Emergency Planning Coordinator. Copies of these checklists are attached (Attachment 2).

II. OBSERVER/CONTROLLER ASSIGNMENTS (See Attachment 3.)

III. EXERCISE SCHEDULE

An Observer/Controller Orientation and Exercise Briefing will be conducted on Tuesday, November 14, 1989 at 9:00 AM at the IP-3 Training Center. The purpose of this meeting is to present the scenario that will be utilized, review the ground rules for the exercise, address any questions or concerns that the Observers or Controllers may have, and provide the necessary data, maps, field reports, etc. required for presentation to the participants.

The 1989 IP-3 Partial Exercise will be approximately 6-8 hours long and will be conducted during normal working hours on Wednesday, November 15, 1989. A critique of the medical response portion of the exercise will be conducted immediately following the exercise at the Peekskill Community Hospital.

A debriefing for all Observers and Controllers will be held at 8:00 AM on Thursday, November 16, 1989 at the IP-3 Training Center. This will be followed by an exercise critique at the same location at 10:30 AM. At this time, representatives from each Emergency Response Facility or function will present a short summary of the findings in his or her area of observation. This presentation will include comments stating whether or not the objectives established for the exercise were met in their specific area of observation. Comments will also include correct as well as incorrect actions and should include recommendations for correcting inadequate or unsatisfactory performance and/or procedures.

The Observer/Controllers who will present comments are as follows:

Brian Sullivan	-	Control Room
Mike Morrissey	-	Technical Support Center
Bob Cullen	-	Operations Support Center
John Kahabka	-	Emergency Operations Facility
Art Zaremba	-	Radiological Assessment
Mike Kyer	-	Accountability
Bill Heady	-	Security
Mary Ann Chaubard	-	Medical

In accordance with IP-3 Emergency Plan Implementing Procedure IP-1080, an exercise report shall be prepared by the Lead Controller (or his designee) and submitted to the Superintendent of Power. This exercise report shall include the following as a minimum:

- The scenario;
- The assignment sheets;
- An overview of the experience and emergency preparedness;
- A listing of each noted shortcoming and associated recommended corrective action;
- Proposed Emergency Plan Corrective Action Report (EPCAR) for each noted deficiency.

Indian Point 3
Nuclear Power Plant
P.O. Box 215
Buchanan, New York 10511

914-736-8000

New York Power Authority

ATTACHMENT I

EMERGENCY PLAN PROCEDURES

PROCEDURE NO. IP- 1080 REV. 9

TITLE: CONDUCT OF EMERGENCY EXERCISES AND DRILLS

WRITTEN BY: Maureen Claubard 9/26/89
SIGNATURE/DATE

REVIEWED BY: David O Bell 9/26/89
SIGNATURE/DATE

PORC REVIEW: 10/5/89
SIGNATURE/DATE

APPROVED BY: 10/5/89
SIGNATURE/DATE

EFFECTIVE DATE: 10/10/89

IP-1080

CONDUCT OF EMERGENCY EXERCISES & DRILLS

1.0 INTENT

This procedure describes the required exercises and drills for the IP-3 Site and establishes a procedure for the conduct and evaluation of these activities. It also outlines the management controls used to ensure that corrective actions are implemented.

2.0 DISCUSSION

This procedure provides explanation of the various exercises and drills and direction for the scheduling and development of scenarios, assignment of controllers and observers, critiquing, and the reporting of results. Site personnel and exercise/drill participants will follow other applicable procedures within the Emergency Plan according to the nature and classification of the simulated emergency. Personnel specifically involved in this procedure are the Lead Controller, Controllers, Observers, Superintendent of Power, and the Emergency Plan Coordinator.

3.0 GENERAL DESCRIPTION OF EXERCISES AND DRILLS

A Full-scale Exercise is a large-scale experience which directly involves offsite agencies; a Partial Exercise is an experience normally confined to plant personnel but may include offsite agencies; and a Drill is a smallscale experience confined to plant personnel.

Often several drills are combined into one exercise.

3.1 Full-scale Exercise

The purpose of the annual Full-scale Exercise, as described in NUREG-0654, is to test the full-scale response capabilities of Federal, State, and Local agencies. The plant is directly involved and is drilled on its response to the simulated emergency situation.

The Indian Point Site will have one Full-scale Exercise every two years. The State and Counties will participate in that exercise. Indian Point 2 and Indian Point 3 shall alternate to meet this requirement.

The exercise should progress to the Site Area or General Emergency classification and scenarios should be varied to test all agencies and all phases of the emergency plans and response.

Observers must include qualified Federal and State personnel. They shall also participate in the critique which follows the exercise.

3.2 Partial Exercise

The basic criteria for this exercise includes most of the factors listed under 3.1 above. However, the purpose is to test and instruct Site personnel on an annual basis.

This drill may be a simulation of any classification, however, an Alert with activation of the TSC, OSC, and EOF are recommended at a minimum. Participation by Con Edison personnel may be requested. The scenario may include one or more of the drills listed below. Normal operations should not be interrupted.

The NRC must be notified to participate. Other Federal, State, and Local agencies should be invited to participate but are not required.

3.3 Drills

3.3.1 Quarterly Fire Drill

At quarterly intervals (as per Technical Specifications) the Fire Brigade training should include an activation drill.

3.3.2 Annual Radiological Medical Emergency Drill

The scenario will involve a simulation of a contaminated individual who has suffered injuries serious enough to require hospital treatment. First aid, decontamination, transportation to the hospital, and response of hospital staff will be included.

3.3.3 Annual Health Physics Drill

The onsite and offsite monitoring teams, including the Nuclear Environmental Monitoring (NEM) teams, are tested with this drill. The scenario may include the simulation of elevated levels of radioactivity in air and water and of elevated levels of radiation in the environs. The plume exposure pathway should be emphasized. The State is required to participate only at one site each year. 9

3.3.4 Annual Inplant Liquid Sampling Drill

This drill should test the capabilities of the Chemistry teams to use the post-accident sampling system. Analysis should be carried out under simulated emergency conditions.

3.3.5 Communications Drill

3.3.5.1 Monthly

This drill is to test the communications between the IP-3 Site and government agencies in the plume exposure pathway. A Notification of Unusual Event may be substituted in any current month or the communications check of the RECS Line and ODP will satisfy this requirement.

3.3.5.2 Annually

This drill is to test communications among IP-3 facilities, utility field teams, and the State and Local Emergency Operations Centers. 9

4.0 PLANNING

4.1 Scenarios shall be approved for the following exercise or drill categories by the indicated individuals.

Category	New York Power Authority Drills
Fire	Safety and Fire Protection Superintendent
Medical	Emergency Planning Coordinator
Radiological	Emergency Planning Coordinator with input from the Superintendent of Power or his designee, New York State, NRC for Fullscale and Partial Exercises, and FEMA for fullscale exercises.

4.2 Partial and Full-scale Exercises must follow the following NRC submittal schedule:

Objectives sent to NRC: 90 days prior to the exercise
Scenario sent to NRC: 60 days prior to the exercise

4.3 A Lead Controller will be appointed by the Emergency Planning Coordinator sufficiently in advance of the drill so that he will be able to review the scenario. The Lead Controller and Emergency Planning Coordinator shall appoint Controllers and Observers for the specific areas requiring control/observation. The emergency Drill/Exercise Assignment Sheet (Attachments 7.1 or 7.2) can be used as an aid. 9

4.4 Offsite agencies should be contacted at least one month in advance of the exercises/drills and invited to participate.

5.0 DRILL/EXERCISE CONTROLLERS/OBSERVERS

5.1 Controllers are individuals whose sole responsibility is to assist in the conduct of a drill or exercise by providing information to the participants so as to ensure a smooth, consistent, and orderly continuation of the drill or exercise.

5.2 Observers are individuals used to record significant events and their time of occurrence, and the actions of participants both correct and incorrect. Actions to be observed include but are not limited to the following:

A. Notification and initial response of the emergency organization;
B. Emergency facilities staffing and activation;
C. Ability to control the emergency;
D. Notification and communication with support facilities and offsite agencies;
E. Availability and use of equipment and personnel for assessment, control, and recovery;
F. Assessment of the consequences of the actions taken by emergency personnel.

Observers can function as Controllers when assigned the task of providing information or instruction during certain aspects of a drill or exercise (e.g. field monitoring).

5.3 There shall be an adequate number of Observers so that they can be stationed to observe all expected major actions of the drill or exercise as stated in the objectives of the scenario. There shall be at least one (1) Controller at each emergency response facility and at any other location where specific information must be provided to the participants.

5.4 Controllers and Observers shall participate in an observer/controller training session, to be held prior to the exercise.

5.5 Controllers and Observers shall be visibly identified and shall be considered invisible by the drill or exercise participants.

5.6 Observers should take no part in the action of the exercise except to:

5.6.1 Indicate simulated conditions to the exercise participants (e.g., survey meter readings, contamination levels, etc.), but only after instructions by the Lead Controller or individual acting on behalf of Lead Controller.

5.6.2 Observe poor communication techniques and procedures and note/correct such occurrences when they occur.

5.6.3 Prevent the communication of simulated emergency conditions as actual conditions outside of the exercise or drill area and to ensure that radio or telephone messages are periodically preceded and ended by the statement "This is a Drill/Exercise".

5.6.4 Prevent actions which might create a hazard to personnel or equipment. In such cases, Observers shall require personnel participating in the exercise or drill to indicate the action verbally.

5.7 Controllers and Observers shall be briefed within 24 hours of the commencement of a drill or exercise. For unannounced drills/exercises, the briefing shall be held the week prior to the drill/exercise. These briefings shall include a review of the scenario, the Controller and Observer duties with regard to their assigned areas, key points to be noted, written aids, and appropriate procedures.

5.8 Controllers and Observers shall obtain the signatures of as many participants as possible (in their respective areas) for training documentation.

5.9 The Lead Controller and/or the Emergency Planning Coordinator shall assign Observers to specific areas or locations and designate their responsibilities by completing a Drill/Exercise Assignment Sheet. Each Observer shall complete assigned checklists associated with the function/area they are observing. These checklists are to be returned to the Emergency Planning Coordinator following the completion of the drill/exercise and shall be used to form the basis of the critique.

6.0 FOLLOW-UP

6.1 Critique

After the completion of the exercises, the Lead Controller and/or EPC/designee shall hold a critique where all Controllers and Observers shall discuss their observations and any noted shortcomings and present their recommendations to improve performance and emergency preparedness. 9

6.2 Exercise/Drill Report

6.2.1 Following the critique, the Lead Controller and/or EPC/designee shall prepare an exercise/drill report and submit it to the Superintendent of Power. 9

6.2.2 The exercise/drill report shall include, as a minimum, the following:

a. The scenario;
b. The assignment sheets (Attachments 7.1 or 7.2);
c. A listing of each noted shortcoming and associated recommended corrective action.;
d. Proposed Emergency Plan Corrective Action Reports (EPCAR - Attachment 7.3).

6.3 Review

6.3.1 Following the submittal of the exercise/drill report, the Superintendent of Power shall review its contents and associated proposed EPCARs.

6.3.2 The Superintendent of Power shall determine the final recommended corrective actions to be taken, assign action addressees, and completion dates when necessary.

6.3.3 PORC shall review the exercise/drill report. The review of the EPCARs and assignment of action addressees shall be incorporated into the PORC meeting minutes. The PORC secretary will sign the initiated EPCARs.

6.3.4 The exercise/drill report shall then be forwarded to the Emergency Planning Coordinator or designee for action and filing. Additionally, a status list shall be prepared and maintained for the purpose of following the final corrective actions and closeout of each EPCAR. Attachment 7.4 (EPCAR Status List) may be used as an aid. 9

6.4 Closeout

6.4.1 The action addressee for each EPCAR will resolve the problem. The Emergency Planning Coordinator/designee will indicate on the EPCAR the final corrective action taken, sign and date it. 9

6.4.2 The Emergency Planning Coordinator/designee shall inform PORC of the action to close out each EPCAR, indicating the final corrective action taken. The PORC secretary shall sign the closed out EPCAR and return to the Emergency Planning Coordinator/designee for filing. 9 9

6.5 EPCAR Extension

6.5.1 In the event that an action addressee cannot complete the final corrective actions by the date specified on the EPCAR, a request for an extension shall be presented to the Superintendent of Power/PORC. The request shall include the circumstances or reasons that necessitate the extension and an estimated completion date.

6.5.2 The Superintendent of Power/PORC, upon receipt of an extension request, shall review its justification and either approve or reject the request.

6.5.3 For approved extensions, the Superintendent of Power/PORC shall assign a revised completion date and inform the action addressee of the extension. Furthermore, the Emergency Planning Coordinator/designee shall be directed to update the EPCAR Status List and file the request for extension. For rejected extensions, the action addressee shall be informed and the request forwarded to the Emergency Planning Coordinator/designee for filing.

7.0 ATTACHMENTS

7.1 Medical Drill Assignment Sheet

7.2 Exercise Assignment Sheet

7.3 Emergency Plan Corrective Action Report

7.4 EPCAR Status List

7.5 Table 8-1 - Summary of Exercises and Drills

DATE:_____ MEDICAL DRILL ASSIGNMENT SHEET

JOB FUNCTION	DRILL PARTICIPANT	OBSERVER
Lead Controller		
Shift Supervisor		
SRO		
RO		
Security Command Post		
Security at Accident Scene		
NPO		
Watch H.P.		
First Aider(s)		
Nurse		
Ambulance		
Hospital		
Victim		
H.P. Techs. at Hospital		
_____		
_____		
_____		
_____		

DATE:_____ EXERCISE ASSIGNMENT SHEET

JOB FUNCTION	DRILL PARTICIPANT	OBSERVER
Lead Controller		
Control Room Controller		
Plant Operations Manager		
Shift Supervisor		
SRO		
RO		
CR Communicator(s)		
NPOs		
TSC Controller		
TSC Manager		
TSC Mechanical		
TSC Electrical		
TSC Reactor		
EOF Controller		
Emergency Director		
RATL		
Rad. Assessment Team:		
MIDAS Operator		
EOF Monitor		
Dose Assessment		
Rad. Communicators		
Survey Teams		
Communicators		
Technical Advisor		
Public Relations		
P.R. Tech. Assistant		
Acct. Officers/Clerks		
OSC Controller		
OSC Manager		
OSC H.P. Team Leader		
OSC Chemistry Team Leader		
OSC I&C Team Leader		
OSC Maintenance Team Leader		
OSC Operations Team Leader		
OSC Security Team Leader		
OSC Accountability Officer		

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DATE:_____

EXERCISE ASSIGNMENT SHEET

JOB FUNCTION	DRILL PARTICIPANT	OBSERVER
Watch H.P.		
Watch Chemist		
Fire Brigade		
Lead Accountability Officer		
Accountability Areas: Training Warehouse 2nd Floor Construction Machine Shop		
Onsite Monitoring Team		
Offsite Monitoring Teams: (1) (2)		
Repair & Corrective Action Teams: (1) (2) (3) (4) (5)		
Security Command Post		
Security Gates		
Joint News Center		
Emergency Response Center		

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EMERGENCY PLAN CORRECTIVE ACTION REPORT NO._____

Prepared By:_____ Date:_____
Name

Approved:_____ Action Addressee:_____
Superintendent of Power Name

PORC Reviewed:_____
Date

ITEM DEFICIENCY - Description and/or Cause:

RECOMMENDED CORRECTIVE ACTION:

Corrective Action Completion Date:_____

EXTENSION REQUESTS:

Extension Date:_____
Reviewed (PORC):_____
Approved (Supt. of Power):_____

RESOLUTION:

Signature/Date:_____

CLOSEOUT:

PORC Review:_____ Date:_____

RES Signature:_____ Date:_____

EPCAR STATUS LIST

EPCAR NUMBER	DEFICIENCY DESCRIPTION	RECOMMENDED CORRECTIVE ACTION	ACTION ADDRESSEE	PORC APPROVED COMPLETION DATE	EXTENSION DATE (IF ANY)	FINAL PORC REVIEW DATE	R.E.S CLOSE OUT DATE

TABLE 8-1
SUMMARY OF EXERCISES AND DRILLS

CATEGORY	FREQUENCY	DESCRIPTION	PARTICIPANTS	RESPONSIBILITY
Full-scale Exercise	Biennially	A simulated emergency with an off-site radiological release which requires mobilization response from State and Local agencies. Participants in the critique shall include Federal and State observers.	NYPA / Con Edison New York State Orange, Putnam, Rockland, and Westchester Counties City of Peekskill NRC / FEMA	EPC
Communication Drill #2	Annually	Test communications between IP-3 emergency response facilities, State and Local Emergency Operation Centers, and field assessment teams.	NYPA / Con Edison New York State Orange, Putnam, Rockland, and Westchester Counties	EPC
Health Physics Drill	Annually	The scenario may simulate elevated levels of radioactivity in air and liquid samples, and elevated levels of radiation in the environs. State participation will not be required if the State has participated at another nuclear utility within the previous 12 mos.	NYPA / Con Edison New York State	EPC
Inplant Liquid Sampling Drill	Annually	Practice in the use of the post-accident sampling system and analysis of liquid samples.	NYPA	Chemistry Department

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TABLE 8-1
SUMMARY OF EXERCISES AND DRILLS

CATEGORY	FREQUENCY	DESCRIPTION	PARTICIPANTS	RESPONSIBILITY
Fullscale Exercise	Biennially	A simulated emergency with an off-site radiological release which requires mobilization response from State and Local agencies. Participants in the critique shall include Federal and State observers.	NYPA / Con Edison New York State Orange, Putnam, Rockland, and Westchester Counties City of Peekskill NRC / FEMA	EPC
Communication Drill #2	Annually	Test communications between IP-3 emergency response facilities, State and Local Emergency Operation Centers, and field assessment teams.	NYPA / Con Edison New York State Orange, Putnam, Rockland, and Westchester Counties	EPC
Health Physics Drill	Annually	The scenario may simulate elevated levels of radioactivity in air and liquid samples, and elevated levels of radiation in the environs. State participation will not be required if the State has participated at another nuclear utility within the previous 12 mos.	NYPA / Con Edison New York State	EPC
Inplant Liquid Sampling Drill	Annually	Practice in the use of the post-accident sampling system and analysis of liquid samples.	NYPA	Chemistry Department

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TABLE 8-1
SUMMARY OF EXERCISES AND DRILLS

CATEGORY	FREQUENCY	DESCRIPTION	PATRICIPANTS	RESPONSIBILITY
Medical Emergency Drill	Annually	The scenario for this simulated emergency involves a contaminated injured individual who requires hospital treatment. Included will be first aid, decontamination, transportation in-plant, transportation to and response by hospital emergency room staff.	NYPA / Con Ed (as needed) Verplanck Ambulance Company Peekskill Hospital Phelps Memorial Hospital	EPC
MS-1	Annually	The scenario will involve a simulation of a contaminated injured individual(s) who requires medical treatment. Included will be first aid, decontamination, transportation to and response by hospital emergency room staff, notifications and communication.	County EOCs Affiliated Ambulance Companies Good Samaritan Hospital Horton Memorial Hospital Putnam Medical Center Westchester Medical Center	EPC
Partial Exercise	Annually	The scenario will be appropriate to the Site or General Emergency classifications. State and Local government agencies will be invited to participate and, as a minimum, communication links and notification procedures with those agencies will be tested. Con Edison personnel may be called in to supplement the IP-3 Emergency Response Staff.	NYPA / Con Edison State & Local Government Agencies NRC	EPC

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TABLE 8-1
SUMMARY OF EXERCISES AND DRILLS

CATEGORY	FREQUENCY	DESCRIPTION	PARTICIPANTS	RESPONSIBILITY
Fire Drill	Quarterly	A fire will be simulated at a location within the IP-3 Site. The scenario may include involvement in radiologically controlled area or at Con Edison.	NYPA / Con Ed (as needed) Verplanck Fire Co. (annually)	Fire & Safety Department
Communication Drill #1	Monthly	Test communications between State and Local governments within the plume exposure pathway. Notification of an Unusual Event may be substituted in any current month.	NYPA / Con Edison State & Local Government Agencies	New York State RECS Line / ODP

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Attachment 2

OBSERVER EVALUATION FORMS

OBSERVER EVALUATION FORMS

OBSERVER LOCATION/FUNCTION	OBJECTIVE NUMBERS
CONTROL ROOM	1 2 3 4 5 6 10 11 16 34 39
TECHNICAL SUPPORT CENTER	1 2 3 4 5 34 39
OPERATIONS SUPPORT CENTER	1 2 3 4 5 6 16 34 35 39
EOF/RADIOLOGICAL ASSESSMENT	1 2 3 4 5 6 10 11 16 25 26 27 28 29 30 31 34 35 37 39
OFFSITE MONITORING	1 2 4 5 6 7 8 9 16
REPAIR AND CORRECTIVE ACTION TEAMS	4 6 16
SECURITY	1 2 4 6 35 38 39
ACCOUNTABILITY/ ASSEMBLY AREAS	2 3 4 39
HEADQUARTERS EMERGENCY RESPONSE CENTER	1 2 3 4 5 26 34 35 37
PUBLIC AND MEDIA INFORM	1 2 3 4 5 12 13 14 15 34
FIRE	4 6 40
MEDICAL	4 6 23 24

CIRCLED OBSERVER EVALUATION FORMS ARE TO BE USED FOR THIS EXERCISE

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 1: EMERGENCY CLASSIFICATION LEVELS

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

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
D.3	1.	Did the organization use the emergency classification levels?	___	___	___	___
D.3	2.	Were staff notified of ECL's?	___	___	___	___
D.3	3.	When was your location notified of the following ECL's? [Specify the time staff were notified and not the time that the ECL was declared by the Emergency Director. Also specify if these notifications were verified (if required).]				

ECL	TIME NOTIFIED	WERE NOTIFICATIONS VERIFIED? (IF REQUIRED)			
Notification of Unusual Event	_____	___	___	___	___
Alert	_____	___	___	___	___
Site Area Emergency	_____	___	___	___	___
General Emergency	_____	___	___	___	___

D.3 D.4	4.	Were the ECL's prominently displayed?	___	___	___	___
D.3	5.	Were the staff aware of the current ECL?	___	___	___	___

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 1: EMERGENCY CLASSIFICATION LEVELS

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
D.3	6.	Were the relevant functions and activities implemented in a manner that is consistent with the emergency plan and procedures?	___	___	___	___

If not, explain why the emergency plan and procedures were not followed:

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OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 1: WAS MET:_____ WAS NOT MET:_____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 2: MOBILIZATION OF EMERGENCY PERSONNEL

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

NUREG REFERENCES		POINTS OF REVIEW	YES	NO	N/A	N/O
E.1	1.	During what time period were calls/contacts made to notify the response organization as required by the plan? Start:_____ Completed:_____ Who made the calls/contacts? _____				
E.1	2.	What method(s) was used to notify the organization? _____ If a written call-list was used, were staff names and telephone numbers current and correct?	___	___	___	___
E.2	3.	Were required staff alerted in a timely manner?	___	___	___	___
E.2	4.	During what time period were facility staff activated/deployed? Start:_____ Completed:_____				
E.2	5.	Using the attached attendance sheet, have as many players sign as possible.				
E.1 E.2	6.	Were staff dispatched to other facilities or locations, if required?	___	___	___	___

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 2: MOBILIZATION OF EMERGENCY

NUREG REFERENCES	POINTS OF REVIEW	YES	NO	N/A	N/O
	If so, list these staff members and their time of dispatch.				

STAFF	TIME OF DISPATCH

E.1 E.2	7. Were the relevant functions and activities implemented in a manner that is consistent with the emergency plan and procedures?	___	___	___	___

If not, explain why the emergency plan and procedures were not followed:

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 2: WAS MET:_____ WAS NOT MET:_____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 3: DIRECTION AND CONTROL

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

NUREG REFERENCES		POINTS OF REVIEW	YES	NO	N/A	N/O
A.1.d	1.	Was an individual effectively in charge of the emergency response?	___	___	___	___
A.1.d	2.	If so, name this individual including title: _____				
A.1.b A.2.a	3.	Were periodic briefings held to update staff on situation?	___	___	___	___
A.1.b A.2.a	4.	Were staff (as appropriate) involved in decision making?	___	___	___	___
A.1.b A.2.a	5.	Was a copy of the emergency plan available for reference?	___	___	___	___
A.2.a	6.	Were message logs kept for all incoming and outgoing messages and transmissions?	___	___	___	___
		Were messages reproduced and distributed, if appropriate?	___	___	___	___
A.2.a	7.	Did the facility use an internal message-handling system?	___	___	___	___
		If so, was information provided to staff in a prompt manner?	___	___	___	___
		If so, was a record kept of internal messages through logs or file copies?	___	___	___	___

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 3: DIRECTION AND CONTROL

NUREG REFERENCES	POINTS OF REVIEW	YES	NO	N/A	N/O
A.1.d	8. Were protective action recommendations discussed with all appropriate organizations?	___	___	___	___
	9. Miscellaneous:				
	a. Did all personnel know their roles and responsibilities?	___	___	___	___
	b. Were procedures consulted when necessary or when conditions changed?	___	___	___	___
	c. Was the Emergency Director/Shift Supervisor/Facility Manager/Team Leader/Command person clearly identifiable and did everyone know who that person was?	___	___	___	___
	d. If there was a transfer of responsibility for the facility or activities, was it accomplished efficiently, effectively, and in a timely manner?	___	___	___	___
	e. Did managers adequately schedule their personnel?	___	___	___	___
	f. Were Control Points adequately established and maintained?	___	___	___	___
	g. Was NYS Radiological Emergency Data Forms reviewed and approved by the Emergency Director prior to transmission?	___	___	___	___
A.1.a A.1.b A.1.d A.2.a	10. Were the relevant functions and activities implemented in a manner that is consistent with the emergency plan and procedure.	___	___	___	___

If not, explain why the emergency plan and procedures were not followed:

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OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 3: WAS MET:_____ WAS NOT MET:_____

NARRATIVE SUMMARY: (Describe how ojbective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 4: COMMUNICATIONS

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

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
F.1.b F.1.d F.2	1.	Identify communications systems demonstrated during the exercise: _____ Direct lines _____ Commercial telephone. Specify number of lines available: _____ _____ Conferencing capability _____ Cellular telephone in vehicle _____ Radio system. Specify type of systems: _____ _____ Computer link. Describe system: _____ _____ Facsimile machine. _____ Other (specify): _____				
F.1.b F.1.d F.2	2.	Identify organizations that this facility had communication links with: _____				
F.1.b	3.	Were primary communications systems able to handle communication flow without undue delays?	___	___	___	___

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 4: COMMUNICATIONS

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
F.1.b F.1.d	5.	Were backup systems demonstrated?	___	___	___	___
		If so, did they function properly?	___	___	___	___
F.1.b F.1.d	6.	Did any of the communications systems break down?	___	___	___	___
		If so, describe the break downs with respect to what occurred; the primary or backup system; the length of time; impact on organizational functioning; steps taken to correct problem, and any use of a backup system: _____				
F.1.b	7.	Miscellaneous:				
		a. Did the messages contain a statement identifying the communication as an exercise/drill message?	___	___	___	___
		b. Were there sufficient communications personnel to manage all the circuits?	___	___	___	___
		If not, identify specific problems: _____				
		c. When radios were utilized, were communication pre-checks conducted?	___	___	___	___

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 4: COMMUNICATIONS

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
F.1.b. F.1.d F.2	8.	Were the relevant functions and activities implemented in a manner that is consistent with the emergency plan and procedures?	___	___	___	___

If not, explain why the emergency plan and procedures were not followed:

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OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 4: WAS MET:_____ WAS NOT MET:_____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 5: FACILITIES, EQUIPMENT, AND DISPLAYS

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

NUREG REFERENCE	POINTS OF REVIEW	YES	NO	N/A	N/O
	1. Are equipment and supplies for emergency facilities adequate?	___	___	___	___
	2. What equipment problems were encountered?				

_____

_____

_____

How were they corrected?

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OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 5: FACILITIES, EQUIPMENT, AND DISPLAYS

NUREG REFERENCE		POINTS OF REVIEW		YES	NO	N/A	N/O
H.3	3.	Was access to the facility controlled?	___	___	___	___	
H.3	4.	Identify maps which were used:					
		Maps			Provided		
		Plume EPZ with appropriate ERPAs labeled		___	___	___	___
		Site evacuation routes		___	___	___	___
		Plume EPZ population by ERPAs		___	___	___	___
		Radiological monitoring points		___	___	___	___
		Other (specify) _____		___	___	___	___
		_____		___	___	___	___
H.3	5.	Were status boards used and positioned for viewing by staff?		___	___	___	___
		If so, identify information placed on status boards:			Info on Status Boards		
		Emergency classification levels		___	___	___	___
		Protective action decisions		___	___	___	___
		Weather data (actual and forecast)		___	___	___	___
		Other (specify) _____		___	___	___	___
		_____		___	___	___	___
H.3	6.	Were status boards and displays updated in a timely manner (i.e., were they updated within 10 minutes of notification of status changes)?		___	___	___	___

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 5: FACILITIES, EQUIPMENT, AND DISPLAYS

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
H.3 J.10.a J.10.b J.11	7.	Were the relevant functions and activities implemented in a manner that is consistent with the emergency plan and procedures? If not, explain why the emergency plan and procedures were not followed: _____ _____ _____ _____ _____	___	___	___	___

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 5: WAS MET:_____ WAS NOT MET:_____

NARRATIVE SUMMARY: (Describe how objective was met/why ojbective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 6: EMERGENCY WORKER EXPOSURE CONTROL

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

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
K.3.a	1.	Did each emergency worker who had the potential for radiation exposure have a TLD?	___	___	___	___
		If not, identify the reason why a permanent record TLD was not available to each emergency worker: _____ _____ _____ _____				
K.3.a	2.	Did each emergency worker who had the potential for radiation exposure have:				
		___ (a) Two self-reading dosimeters with different ranges? List the ranges of the two dosimeters: #1 _____ #2 _____				
		___ (b) One self-reading dosimeter? Range of the dosimeter: _____				
K.3.a	3.	Did each team or group have access to a charger for the self reading dosimeter?	___	___	___	___
K.3.b	4.	Did each emergency worker have an exposure record?	___	___	___	___
K.3.b	5.	Were appropriate instructions issued?	___	___	___	___

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 6: EMERGENCY WORKER EXPOSURE CONTROL

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
K.3.b	6.	Were the dosimeters zeroed or the initial readings recorded?	___	___	___	___
K.3.b	7.	Were the dosimeters read and the exposure recorded for each emergency worker?	___	___	___	___
K.4	8.	What exposure was authorized for the mission? _____				
K.4	9.	Did the emergency workers know who to contact for authorization to incur exposures in excess of the authorized mission exposure limit?	___	___	___	___
K.3.b	10.	Did each emergency worker know what to do if they received an exposure higher than authorized?	___	___	___	___
K.3.a	11.	Miscellaneous:				
		a. Were radiation surveys performed to determine habitability?	___	___	___	___
		b. How were authorizations for exposure exceeding limits handled?				
		_____				
	12.	Were the relevant functions and activities implemented in a manner that is consistent with the emergency plan and procedures?	___	___	___	___
		If not, explain why the emergency plan and procedures were not followed: _____				

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 6: WAS MET: _____ WAS NOT MET: _____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 7: FIELD RADIOLOGICAL MONITORING - AMBIENT RADIATION MONITORING

Demonstrate the appropriate equipment and procedures for determining field radiation measurements.

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
I.8 I.11	1.	Did the team have a beta-gamma survey instrument?	___	___	___	___
		Was it the instrument specified in the plan?	___	___	___	___
		If not, was it equivalent?	___	___	___	___
I.8 I.11	2.	Did the team have a high-range (greater than 0.05 rem/hour) gamma survey instrument?	___	___	___	___
		Was it the instrument specified in the plan?	___	___	___	___
		If not, was it equivalent?	___	___	___	___
I.8 I.11	3.	Did the team have access to equipment spares?	___	___	___	___
I.8 I.11	4.	Did they perform battery checks and source checks?	___	___	___	___
		Was there evidence that the instruments were within their calibration period?	___	___	___	___
I.8 I.11	5.	Were both gamma and beta-gamma readings made at about 1 meter (waist level) and about 2 cm (near ground level)?	___	___	___	___
I.8 I.11	6.	Did the team avoid contaminating instruments?	___	___	___	___
I.8 I.11	7.	Were readings logged along with location, time, and date?	___	___	___	___
I.8 I.11	8.	Was the team able to find and arrive at monitoring locations promptly?	___	___	___	___

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 7: FIELD RADIOLOGICAL MONITORING - AMBIENT RADIATION MONITORING

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
I.8 I.11	9.	Did the staff, in general, display adequate training and knowledge?	___	___	___	___
I.8 I.11	10.	Did the team transmit field readings to the appropriate location promptly?	___	___	___	___
I.8 I.11 H.12	11.	Were the relevant functions and activities implemented in a manner that is consistent with the emergency plan and procedures?	___	___	___	___

If not, explain why the emergency plan and procedures were not followed:

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OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 7: WAS MET:_____ WAS NOT MET:_____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 8: FIELD RADIOLOGICAL MONITORING - AIRBORNE IODINE MONITORING

Demonstrate the appropriate equipment and procedures for the measurement of airborne radioiodine concentrations as low as 10-7 (.0000001) microcuries per cc in the presence of noble gases.

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
I.8 I.9	1.	Did the field team use monitoring equipment identified in emergency plan?	___	___	___	___
		If not, was it equivalent?	___	___	___	___
I.8 I.9	2.	Did the field team have power to operate the air sampler (pump), either a 12-volt vehicle source or portable generator for 120-volt system?	___	___	___	___
I.8 I.9	3.	Was a silver-zeolite cartridge available?	___	___	___	___
I.8 I.9	4.	Were air samples taken using the proper flow rate and sample duration, as specified in the plan and procedures?	___	___	___	___
I.8 I.9	5.	Were samples/components properly bagged and labeled with time, date, location, and identification of person who took them?	___	___	___	___
I.8 I.9	6.	Did the field team leave the plume and travel to a low-background area before attempting to count the air sample media?	___	___	___	___
I.8 I.9	7.	Was the instrument used to count the air sample media within calibration date?	___	___	___	___
I.8	8.	Was a fixed (reproducible) geometry used to count the air sample media?	___	___	___	___

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 8: FIELD RADIOLOGICAL MONITORING - AIRBORNE IODINE MONITORING

NURG REFERENCE		POINTS OF VIEW	YES	NO	N/A	N/O
I.8 I.9	9.	Were the count rates of air sample media transmitted back to the site promptly?	___	___	___	___
I.8 I.9	10.	Were the relevant functions and activities implemented in a manner that is consistent with the emergency plan and procedures?	___	___	___	___

If not, explain why the emergency plan and procedures were not followed:

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OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 8: WAS MET:_____ WAS NOT MET:_____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 9: FIELD RADIOLOGICAL MONITORING - PARTICULATE ACTIVITY

Demonstrate the ability to obtain samples of particulate activity in the airborne plume and promptly perform laboratory analyses.

NUREG REFERENCE		POINTS OF VIEW	YES	NO	N/A	N/O
I.10	1.	Did a field monitoring team send an iodine particulate filter to a laboratory for analyses? If yes, answer the following questions.	___	___	___	___
I.10	2.	Identify field team official who arranged for filter to be sent to the laboratory. _____				
I.10	3.	When was the filter sent to the laboratory? What was the time interval between the taking of iodine samples and sending of the filter to the laboratory? _____ _____				
I.10	4.	Who took the filter to the laboratory? _____ Was this person a "runner" who is not part of the field monitoring team?	___	___	___	___
I.10	5.	Identify the name and location of the laboratory: _____				
I.10	6.	When did the laboratory receive the filter or simulate filter? _____				

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 9: FIELD RADIOLOGICAL MONITORING - PARTICULATE ACTIVITY

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
I.10	7.	Were established laboratory procedures for analysis of the filter followed?	___	___	___	___
I.10	8.	Describe the results of the laboratory analsyis based on a controller inject message provided to laboratory staff: _____ _____				
I.10	9.	When did the laboratory complete its analysis? (Or, when did the laboratory receive the controller inject message?) _____				
I.10 H.12	10.	Did the laboratory provide the results of its analysis to other organizations? If so, identify these organizations and the time they were provided the data:	___	___	___	___
		Organization _____ _____ _____ / Time Provided Data _____ _____ _____				
I.10	11.	Were the relevant functions and activities implemented in a manner that is consistent with the emergency plan and procedures? If not, explain why the emergency plan and procedures were followed? _____ _____ _____	___	___	___	___

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 9: WAS MET: _____ WAS NOT MET: _____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 10: PLUME DOSE PROJECTION

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

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
I.10	1.	Were primary and backup systems available for dose projection?	___	___	___	___
I.10	2.	Was plant status information promptly provided so that offsite dose projections could be made?	___	___	___	___
I.10	3.	Were new dose projections made, if appropriate, based upon field monitoring data?	___	___	___	___
		Were new dose projections made as plant status changed?	___	___	___	___
I.10	4.	Was the projected plume location plotted and displayed?				
		_____ Plotted _____ Displayed				
I.10	5.	Were field monitoring teams properly directed so that the plume could be defined?	___	___	___	___
		Was the plume properly defined by field teams?	___	___	___	___
I.10	6.	Was field monitoring team data compared with projected dose rates?	___	___	___	___
I.10	7.	Were projected wind shifts considered in the determination of the area of concern?	___	___	___	___

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 10: PLUME DOSE PROJECTION

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
	8.	Was core damage assessment performed adequately?	___	___	___	___
I.10	9.	Were the relevant functions and activities implemented in a manner that is consistent with the emergency plan and procedures?	___	___	___	___

If not, explain why the emergency plan and procedures were not followed:

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OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 10: WAS MET:_____ WAS NOT MET:_____

NARRATIVE SUMMARY: (Describe how objective was met/why obective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 11: PLUME PROTECTIVE ACTION DECISION MAKING:

Demonstrate the ability to make appropriate action recommendations (PARs), based on projected or actual dosage, Environmental Protection Agency (EPA) PAGs, availability of adequate shelter, shelter, evacuation time estimates (ETE) and other relevant factors.

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
J.9	1.	Were the correct PAGs used in consideration of the technical basis for the protective action recommendation?	___	___	___	___
J.10.m.	2.	Were any preplanned PARs implemented for special populations? If so, were they in accord with the plan?	___	___	___	___
J.10.m.	3.	Were factors other than projected dose (i.e., quality of shelter, ETE, etc.) considered, if appropriate, in the protective action decision making process? If so, specify these factors: _____ _____ _____	___	___	___	___
J.9	4.	Were new protective action decisions made as the plant status changed?	___	___	___	___
J.9	5.	Were protective action decisions made without undue delay, recognizing that some discussion is appropriate in all but the fastest breaking accidents?	___	___	___	___

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 11: PLUME PROTECTIVE ACTION DECISION MAKING

NUREG REFERENCE		POINTS OF VIEW	YES	NO	N/A	N/O
J.9	6.	List all protective action decisions and the time that the protective action decision was made.				

PROTECTIVE ACTION DECISION	TIME RECOMM. MADE

J.9 J.10.d J.10.m	7.	Were the relevant functions and activities implemented in a manner that is consistent with the emergency plan and procedures?	___	___	___	___

If not, explain why the emergency plan and procedures were not followed:

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OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 11: WAS MET: _____ WAS NOT MET: _____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 12: ALERT, NOTIFICATION AND EMERGENCY INFORMATION - INITIAL ALERT AND NOTIFICATION

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

NUREG REFERENCE		POINT OF REVIEW	YES	NO	N/A	N/O
E.5 E.6	1.	Did involved organizations demonstrate the capability to disseminate an alert signal and initiate an instructional message to the public within 15 minutes for the plume Emergency Planning Zone?	___	___	___	___
		(This demonstration is required for a pre-agreed to alert and notification sequence. Also, the timing of the 15-minute sequence starts with designated offsite officials making the decision to implement a protective action or notify the public and ends with the instructional message being put on the air.)				
		Was this capability actually demonstrated?	___	___	___	___
		If not, describe how the capability was simulated:				

_____

_____

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OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 12: ALERT, NOTIFICATION AND EMERGENCY INFORMATION - INITIAL ALERT AND NOTIFICATION

NUREG REFERENCE	POINTS OF REVIEW	YES	NO	N/A	N/O

Identify alerting and notification methods used, if actually demonstrated:

Alert	Notification
_____ Fixed siren system	_____ Siren system w/PA system
_____ Mobile siren system	_____ EBS
_____ Tone alert radios	_____ NOAA Weather Radio
_____ Route alert (primary)	_____ Tone alert radios
_____ Mobile PA alert units (e.g., helicopter, boat, or airplane)	_____ Mobile PA system units (e.g.,helicopter, boat, or airplane)
_____ Telephone calls to individuals or institutions	_____ Telephone calls to individuals or institutions
_____ Other (specify):	_____ Other (specify):

_____

Identify involved organizations:

_____

_____

E.5 3. Document the times associated with the following steps in the pre-agreed to 15-minute alerting and notification sequence.

	Step	Time
a.	Message from utility with PAR	_____
b.	Decision made by designated offsite officials	_____
c.	Alert signal activated	_____
d.	Instructional message begun	_____

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 12: ALERT, NOTIFICATION AND EMERGENCY INFORMATION - INITIAL ALERT AND NOTIFICATION

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
E.5	4.	Did involved organizations demonstrate the capability to disseminate an alert signal and initiate instructional messages to special populations (e.g., extremely rural low-population areas; recreational areas and open water) from 5 to 10 miles from the plant within 45 minutes? (This demonstration is required for the pre-agreed to alert and notification sequence. Also, the timing of the 45-minute sequence starts with the designated offsite officials making the decision to implement a protective action or notify the public and ends with the initiation of an instructional message to the public.)	___	___	___	___
		Was this capability actually demonstrated by the involved organizations or simulated? (provide explanation below)	___	___	___	___

_____

_____

Alert	Notification
_____ Mobile siren system	_____ EBS
_____ Tone alert radios	_____ NOAA Weather Radio
_____ Route alert (backup)	_____ Tone alert radios
_____ Mobile PA alert units (e.g., helicopter, boat, or airplance)	_____ Mobile PA system units (e.g., helicopter, boat, or airplane)
_____ Telephone calls to individuals or institutions	_____ Telephone calls to individuals or institutions
_____ Other (specify): _____	_____ Other (specify): _____

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 12: ALERT, NOTIFICATION AND EMERGENCY INFORMATION - INITIAL ALERT AND NOTIFICATION

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
		Identify involved organizations: _____				
E.5 E.6	4.	Document the times of the following steps for the pre-agreed to, 45-minute special alerting and notification sequence.				
		Step / Time a. Message from utility with PAR _____ b. Decision made by designated offsite officials _____ c. Alert signal activated _____ d. Instructional message begun _____				
E.5 E.6	5.	Who authorized the 15 and 45-minute alerting and notification? _____				
E.5 E.6	6.	Was the public notification process by the involved organizations effectively coordinated among involved organizations?	___	___	___	___
		If not, describe coordination problems: _____				
E.7	7.	Obtain copies of all instructional messages and attach to this form.				

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 12: ALERT, NOTIFICATION AND EMERGENCY INFORMATION - INITIAL ALERT AND NOTIFICATION

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
E.7	8.	Was the content appropriate to protective action decisions?	___	___	___	___
		Identify the scope of the instructional message: _____ Plume exposure pathway _____ Ingestion exposure pathwat _____ Re-entry, resettlement and relocation _____ Other (specify) _____				
E.5 E.6	9.	Were the timing of the alert signal and the instructional message coordinated to ensure that the alert signal came first, followed by the initiation of the instructional message within a few minutes?	___	___	___	___
E.5	10.	Were arrangements made to periodically rebroadcast the instructional message?	___	___	___	___
E.5 E.6. E.7	11.	Were the relevant functions and activities implemented in a manner that is consistent with the emergency plan and procedures?	___	___	___	___
		If not, explain why the emergency plan and procedures were not followed: _____ _____ _____				

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 12: WAS MET: _____ WAS NOT MET: _____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 13: ALERT, NOTIFICATION, AND EMERGENCY INFORMATION - PUBLIC INSTRUCTIONS

Demonstrate the ability to coordinate the formulation and dissemination of accurate information to the public in a timely fashion.

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
E.5	1.	Did staff disseminate information to the public after the first alert and notification sequence? If so, specify the times when these disseminations were initiated: #1 _____ #4 _____ #2 _____ #5 _____ #3 _____ #6 _____	___	___	___	___
E.5	2.	What organization(s) was responsible for this function? _____ _____ _____				
E.5	3.	Did the staff have access to current, accurate, and timely, information?	___	___	___	___
E.5	4.	Describe how staff secured current information on protective action recommendations: _____ _____ _____ _____ _____				

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 13: ALERT, NOTIFICATION AND EMERGENCY INFORMATION - PUBLIC INSTRUCTIONS

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
E.7	5.	Were pre-scripted messages used? If not, describe how messages were developed: _____	___	___	___	___
G.4.a	6.	Was the formulation and dissemination of the information to the public effectively coordinated by the involved organization? If not, describe the nature and extent of the coordination problems: _____	___	___	___	___
G.4.a	7.	Did staff provide accurate and timely information to the public?	___	___	___	___
G.4	8.	Who authorized releases of information to the public?	___	___	___	___
E.6	9.	Was a log maintained of all releases disseminated to the public?	___	___	___	___
E.6	10.	Did staff monitor radio and television broadcasts to keep track of information provided to the public?	___	___	___	___
G.4	11.	Was there a return flow of information to the EOF and EOCs, so that staff at these locations were aware of what information had been given to the media?	___	___	___	___

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 13: ALERT, NOTIFICATION AND EMERGENCY INFORMATION - PUBLIC INSTRUCTIONS

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
G.4	12.	Were press releases and results of press interviews exchanged with other spokespersons? How was information exchanged? _____	___	___	___	___
		Did the information management system provide for the effective and timely coordination of the formulation and dissemination of emergency information and instructions? If not, describe problems? _____	___	___	___	___
E.5 E.6 E.7 G.4. G.4.a G.4.c	13.	Were the relevant functions and activities implemented in a manner that is consistent with the emergency plan and procedures? If not, explain why the emergency plan and procedures were not followed: _____	___	___	___	___

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 13: WAS MET: _____ WAS NOT MET: _____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 14: ALERT, NOTIFICATION AND EMERGENCY INFORMATION - MEDIA

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

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
G.3.a	1.	Did staff provide briefings to the "media"? If so, specify the times when briefings were initiated:	___	___	___	___
		Briefing #1 _____ Briefing #6 _____ Briefing #2 _____ Briefing #7 _____ Briefing #3 _____ Briefing #8 _____ Briefing #4 _____ Briefing #9 _____ Briefing #5 _____ Briefing #10 _____				
G.3.a	2.	What organization(s) was responsible for this function? _____				
G.3.a	3.	How many staff were utilized for this function? _____				
G.3.a	4.	Did the staff have access to current, accurate and timely information?	___	___	___	___
G.3.a	5.	Describe how (source and method) staff secured current information on emergency response: _____				

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 14: ALERT, NOTIFICATION AND EMERGENCY INFORMATION - MEDIA

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
G.3.a	6.	Was pre-scripted information used for the media briefings?	___	___	___	___
G.3.a	7.	Did staff provide accurate, responsive information to the media in a prompt manner?	___	___	___	___
G.3.a	8.	Who authorized release of information to the media? _____				
G.3.a	9.	Did staff provide media with accurate information on the protective action recommendations for the public?	___	___	___	___
G.3.a	10.	Were all protective action decisions described in terms of familiar landmarks and boundaries for affected planning areas?	___	___	___	___
G.3.a	11.	Did staff avoid use of technical jargon?	___	___	___	___

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 14: ALERT, NOTIFICATION AND EMERGENCY INFORMATION - MEDIA

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
G.3.a	12.	Were maps and other displays effectively used?	___	___	___	___
G.3.a	13.	Were copies of news releases provided to the media?	___	___	___	___
		Were they provided in a timely manner?	___	___	___	___
		(Obtain copies of news releases and note time released.)				
G.3.a	14.	Was a log maintained of information provided to the media?	___	___	___	___
		Were copies of all releases kept and accessible to all staff?	___	___	___	___
G.3.a	15.	Did staff maintain sufficient contact with decision makers to keep abreast of current events and information?	___	___	___	___
G.3.a	16.	Did staff montior radio and television broadcasts to keep track of informtion provided to the public?	___	___	___	___
G.3.a	17.	Did staff provide kits to the media?	___	___	___	___
		If so, describe the types of information contained in the media kits: _____				
G.3.a	18.	Were the relevant functions and activities implemented in a manner that is consistent with emergency plan and procedures?	___	___	___	___
		If not, explain why the emergency plan and procedures were not followed: _____				

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 14: WAS MET: _____ WAS NOT MET: _____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 15: ALERT, NOTIFICATION AND EMERGENCY INFORMATION - RUMOR CONTROL

Demonstrate the ability to establish and operate rumor control in a coordinated and timely fashion.

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
G.4.c	1.	Was the rumor control system activated?	___	___	___	___
G.4.c	2.	What organization(s) was responsible for providing this function? _____				
G.4.c	3.	What telephone number(s) was used for rumor control? _____				
G.4.c	4.	How was the number(s) publized?				
		_____ Press briefings				
		_____ EBS messages				
		_____ Public information brochures and postings				
		_____ Other (specify) _____				
G.4.c	5.	How many telephone lines were available for incoming calls? _____				
G.4.c	6.	How many lines were available for outgoing calls (for call-backs or to obtain information)? _____				
G.4.c	7.	How many staff were utilized for the rumor control operation? _____				

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 15: ALERT, NOTIFICATION AND EMERGENCY INFORMATION - RUMOR CONTROL

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
G.4.c	8.	Did rumor control operation staff have access to current, accurate, and timely information?	___	___	___	___
G.4.c	9.	Describe how rumor control staff secured current information on emergency response: _____				
G.4.c	10.	Did rumor control staff provide accurate, responsive information to callers in a prompt manner?	___	___	___	___
G.4.c	11.	Who authorized release of information to the public? _____				
G.4.c	12.	Were the relevant functions and activities implemented in a manner consistent with emergency plan and procedures?	___	___	___	___
		If not, explain why the emergency plan and procedures were not followed: _____				

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 15: WAS MET: _____ WAS NOT MET: _____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 16: USE OF KI

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

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
J.10.e J.10.f	1.	Did the ED make decision to recommend use of KI? When was the decision made? _____ When were instructions to use KI transmitted? _____ For what group/individual? _____	___	___	___	___
J.10.f	2.	Was the decision made to use KI based on projected or actual dose to thyroid? _____ Projected _____ Actual On what basis was the decision to use KI made? _____				
J.10.f	3.	Were the affected emergency workers informed of this decision/ instruction in a timely manner? When? _____	___	___	___	___
J.10.e J.10.f	4.	Did personnel responsible for direct administration/use of KI follow instructions given them by authorizing official(s)?	___	___	___	___

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 16: USE OF KI

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
J.10.f	5.	Was the KI distributed in sufficient quantities and in a timely manner according to decisions?	___	___	___	___
		When? _____				
J.10.e J.10.f	6.	If the administration (i.e., ingestion) of KI was simulated, was the date, time, and dose for the use of KI for each individual recorded?	___	___	___	___
J.10.e J.10.f	7.	Were the relevant functions and activities implemented in a manner consistent with the emergency plan and procedures?	___	___	___	___
		If not, explain why the emergency plan and procedures were not followed: _____				

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 16: WAS MET:_____ WAS NOT MET:_____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 23: MEDICAL SERVICES - TRANSPORTATION

Demonstrate the adequacy of vehicles, equipment, procedures and personnel for transporting contaminated, injured or exposed individuals.

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
L.4	1.	Did an ambulance and crew participate in the exercise?	___	___	___	___
K.3.a L.4	2.	Was the crew provided with a survey meter, if required by the plan?	___	___	___	___
		Did they demonstrate its proper use?	___	___	___	___
L.4	3.	Did the crew demonstrate procedures, if required by the plan, for:				
		Checking the patient for radiological contamination?	___	___	___	___
		Decontamination of a patient?	___	___	___	___
		Preventing contamination of ambulance and crew?	___	___	___	___
		What monitoring equipment was used? _____				
L.4	4.	Did the crew know which area hospitals were capable of handling contaminated patients?	___	___	___	___
L.4	5.	Was a patient actually transported to a hospital?	___	___	___	___
K.5.a K.5.b L.4	6.	Were ambulance and crew checked for contamination upon arrival at hospital (after the patient was removed from the ambulance)?		___	___	___ ___
		Was proper use of monitoring equipment demonstrated (i.e., appropriate scale equipment, correct motion, etc.)?		___	___	___ ___

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 23: MEDICAL SERVICES - TRANSPORTATION

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
K.3.a K.5.a K.5.b L.4	7.	Were the relevant functions and activities implemented in a manner that is consistent with the emergency plan and procedures? If not, explain why the emergency plan and procedures were not followed: _____	___	___	___	___

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 23: WAS MET:_____ WAS NOT MET:_____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 24: MEDICAL SERVICES - FACILITIES

Demonstrate the adequacy of medical facility's equipment, procedures and personnel for handling contaminated, injured or exposed individuals.

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
L.1	1.	Was proper use of monitoring equipment demonstrated (i.e., appropriate scale equipment, correct motion, etc.)?	___	___	___	___
L.1	2.	Were proper steps taken to avoid possible spread of contamination?	___	___	___	___
L.1	3.	Were physical facilities available for decontaminating the patient?	___	___	___	___
		Was this function satisfactorily demonstrated?	___	___	___	___
L.1	4.	Was a health physicist or Radiation Safety Officer present, or available on short notice, to advise hospital staff?	___	___	___	___
L.1	5.	Were the relevant functions and activities implemented in a manner that is consistent with the emergency plan and procedures?	___	___	___	___

If not, explain why the emergency plan and procedures were not followed: _____

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 24: WAS MET:_____ WAS NOT MET:_____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 25: DECONTAMINATION

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

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
K.5.a	1.	Was the facility large enough to accommodate the number of emergency workers expected (within 2-3 hours)?	___	___	___	___
K.5.b	2.	Was there adequate parking at the facility for contaminated and uncontaminated vehicles?	___	___	___	___
		Are these parking facilities separate to prevent the contamination or recontamination of "clean" cars?	___	___	___	___
K.5.a K.5.b	3.	Was a system in place to keep the potentially contaminated personnel and equipment separate from "clean" equipment?	___	___	___	___
K.5.a	4.	Was a trigger point for the need for decontamination known by the personnel operating the facility?	___	___	___	___
K.5.b	5.	Were the proper monitoring instruments used (in accordance with the plan)?	___	___	___	___
K.5.a K.5.b	6.	Was an acceptable monitoring process for both personnel and vehicles demonstrated (i.e., not too fast a scan speed, proper distance, etc.)? Personnel?	___	___	___	___
		Vehicles?	___	___	___	___
K.5.a	7.	Were records made when contamination, above the trigger point, was identified?	___	___	___	___

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 25: DECONTAMINATION

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
K.5.a K.5.b	8.	Was the decontamination procedure in accordance with the plan?	___	___	___	___
K.5.b	9.	Were personnel aware of the process whereby individuals would be referred to a medical facility for further assistance?	___	___	___	___
K.5.a K.5.b	10.	Were the relevant functions and activities implemented in a manner that is consistent with the emergency plan and	___	___	___	___

If not, explain why the emergency plan and procedures were not followed: _____

_____

_____

_____

_____

_____

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 25: WAS MET:_____ WAS NOT MET:_____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 26: SUPPLEMENTARY ASSISTANCE (FEDERAL/OTHER)

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

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
C.1.a	1.	Was Federal assistance requested?	___	___	___	___
		If so, did an authorized official make this request?	___	___	___	___
		Identify this official and his/her title: _____				
C.1.a	2.	Which Federal agency(ies) was contacted to request assistance?				
C.1.a C.1.b	3.	What Federal assistance was requested and when was it expected to be provided?				
C.1.c	4.	What actions and resources were required to support the Federal responses? _____				

Assistance	When Expected?

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 26: SUPPLEMENTARY ASSISTANCE (FEDERAL/OTHER)

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
		Were these actions taken and resources provided? If not, why were they not provided? _____	___	___	___	___
C.4	5.	Was other assistance and resources requested from non-Federal organizations or individuals? If so, identify who (by name and title) requested the assistance and resources? _____	___	___	___	___
C.4	6.	From what non-Federal sources was assistance and resources expected? _____				
C.4	7.	What assistance was requested from non-Federal sources and when was it expected?				

Assistance	When Expected?

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 26: SUPPLEMENTARY ASSISTANCE (FEDERAL/OTHER)

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
C.4	8.	What actions and resources were required to support non-Federal response? _____				
		Were these actions taken and resources provided? If not, why were they not provided? _____	___	___	___	___
C.1.b C.4	9.	Was appropriate assistance and resources requested from Federal and/or non-Federal sources?	___	___	___	___
		Was this assistance requested in a timely manner?	___	___	___	___
C.1.a C.1.b C.1.c C.4	10.	Were the relevant functions and activities implemented in a manner that is consistent with the emergency plan and procedures?	___	___	___	___
		If not, explain why the emergency plan and procedures were not followed: _____				

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 26: WAS MET:_____ WAS NOT MET:_____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 31: RECOVERY, RE-ENTRY AND RELOCATION - TOTAL POPULATION EXPOSURE ESTIMATE

Demonstrate the ability to estimate total population exposures.

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
M.4	1.	Was a determination of total population exposure made? When?_____	___	___	___	___
M.4	2.	Identify source of data used in determining location and extent of radiation.				
		_____ Initial plume pathway EPZ projections				
		_____ Plume pathway EPZ measurements				
		_____ Ingestion pathway EPZ projections				
		_____ Ingestion pathway EPZ measurements				
		_____ Groundshine measurement within and/or beyond plume and ingestion pathway EPZs				
M.4	3.	Identify sources of data and information used in determining population exposure.				
		_____ Location of persons with respect to passing plume				
		_____ Length of exposure of persons to plume				
		_____ Location with number of persons affected by the ingestion EPZ				
		_____ Evacuation measures (what sections/special facilities evacuated and time during exercise play)				
		_____ Location with number of persons affected by the re-entry, re-settlement, and relocation decisions				

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 31: RECOVERY, REENTRY AND RELOCATION - TOTAL POPULATION EXPOSURE ESTIMATE

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
M.4	4.	Provide an estimate of the total population exposure.				
M.4	5.	Were the relevant functions and activities implemented in a manner that is consistent with the emergency plan and procedures?	___	___	___	___
		If not, explain why the emergency plan and procedures were not followed: _____				

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 31: WAS MET:_____ WAS NOT MET:_____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 34: MOBILIZATION OF EMERGENCY PERSONNEL (24-hour, continuous basis)

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

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
A.4	1.	Did the organization demonstrate a shift change?	___	___	___	___
A.4	2.	When did the shift change occur? (Give a range of time if the shift change was staggered.) _____				
A.4	3.	Was the second shift fully staffed?	___	___	___	___
A.4	4.	Were incoming staff appropriately briefed by the outgoing staff?	___	___	___	___
A.4	5.	Did the second shift staff demonstrate appropriate knowledge and capabilities of their emergency response roles and functions?	___	___	___	___
A.4	6.	Was 24-hour staffing capability demonstrated?	___	___	___	___
		Through two 12-hour shifts?	___	___	___	___
		Through three 8-hour shifts?	___	___	___	___
		Other (specify) _____				
A.4	7.	Were the relevant functions and activities implemented in a manner that is consistent with the emergency plan and procedures?	___	___	___	___
		If not, explain why the emergency plan and procedures were not followed? _____				

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 34: WAS MET:_____ WAS NOT MET:_____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 35: EVACUATION OF ONSITE PERSONNEL

Demonstrate the ability to coordinate the evacuation of onsite personnel.

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
J.2	1.	Was evacuation of onsite individuals demonstrated?	___	___	___	___
J.2	2.	If so, was it: Promptly activated?	___	___	___	___
		Well organized?	___	___	___	___
J.2	3.	Did the liscensee contact offiste authorities to coordinate evacuation of onsite individuals?	___	___	___	___
J.2	4.	Was transportation arranged (if appropriate) for all personnel to be evacuated?	___	___	___	___
J.2	5.	Was an evacuation route specified?	___	___	___	___
J.2	6.	Was a suitable reception location specified, if appropriate?	___	___	___	___
J.2	7.	Was monitoring and decontamination provided, if appropriate?	___	___	___	___
J.2	8.	Were the relevant functions and activities implemented in a manner that is consistent with the emergency plan and procedures?	___	___	___	___

If not, explain why the emergency plan and procedures were not followed: _____

_____

_____

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 35: WAS MET: _____ WAS NOT MET: _____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 37: UTILITY OFFSITE RESPONSE ORGANIZATIONS

Demonstrate the capability of utility offsite response organization personnel (Technical Liaisons) to interface with State and local governments through their mobilization and provision of technical assistance.

NUREG REFERENCE	POINTS OF REVIEW	YES	NO	N/A	N/O
	1. Identify utility offsite response organization liaisons contacted.				
C.5 N.1.b	2. At what time did the liaisons arrive at their assigned duty station?				

Liaison	TIME NOTIFIED

Liaison	Time of Arrival

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 37: UTILITY OFFSITE RESPONSE ORGANIZATIONS

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
C.5	3.	With what groups/individual at the EOC did the liaison interface?	___	___	___	___
C.5 N.1.b	4.	Did liaisons provide technical information to the EOC personnel?	___	___	___	___
		If yes, indicate the nature of the information provided. _____				
C.5	5.	Was the information accurate and timely?	___	___	___	___
C.5 N.1.b	6.	Were the relevant functions and activities implemented in a manner that is consistent with emergency plan and procedures?	___	___	___	___
		If not, explain why the emergency plan and procedure were not followed: _____				

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 37: WAS MET:_____ WAS NOT MET:_____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 38: SECURITY - SEARCH AND RESCUE TEAMS

Demonstrate the ability to establish security during a radiological emergency condition including the dispatch search and rescue teams.

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
	1.	Was security familiar with the various roster and call-in procedures?	___	___	___	___
	2.	Was the information provided to roster I individuals accurate and complete?	___	___	___	___
	3.	Did security arrive at the EOF, promptly?	___	___	___	___
	4.	Did security arrive at the News Center promptly?	___	___	___	___
	5.	Was access to and from the site controlled?	___	___	___	___
	6.	Were search and rescue teams dispatched under the direction of the Emergency Director?	___	___	___	___
	7.	Was there an HP or an individual trained in radiation survey instruments with the search and rescue team?	___	___	___	___
	8.	Did the search and rescue team maintain contact with the Emergency Director or designee?	___	___	___	___
	9.	Did the search and rescue team notify the Emergency Director or designee when the person was found?				

_____

_____

_____

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 38: SECURITY - SEARCH AND RESCUE TEAMS

NUREG REFERENCE	POINTS OF REVIEW	YES	NO	N/A	N/O
	10. Were the relevant functions and activities implemented in a manner that is consistent with the emergency plan and procedures?	___	___	___	___
	If not, explain why the emergency plan and procedures were not followed: _____				

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 38: WAS MET: _____ WAS NOT MET: _____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 39: ACCOUNTABILITY/ASSEMBLY AREAS

Demonstrate the ability to account for all IP-3 onsite personnel.

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
	1.	Were the accountability card readers activated?	___	___	___	___
	2.	Were the phones to all assembly area functional?	___	___	___	___
	3.	Was accountability accomplished within 30 minutes inside the protected area?	___	___	___	___
	4.	Was there a list of unaccounted personnel within the protected area?	___	___	___	___
	5.	Was security requested to run a badge check of missing persons?	___	___	___	___
	6.	Was the Emergency Director informed as soon as protected area accountability was completed?	___	___	___	___
	7.	Did they organize a search and rescue team for the missing person(s)?	___	___	___	___
	8.	Were assembly areas informed of plant conditions?	___	___	___	___
	9.	Was the Lead Accountability Officer notified of high radiation levels?	___	___	___	___
	10.	Was the Lead Accountability Officer notified of radiation levels in the assembly area above 10 mR/hr?	___	___	___	___
	11.	Was an H.P. dispatched to the assembly area for site evacuation?	___	___	___	___

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 39: ACCOUNTABILITY/ASSEMBLY AREAS

NUREG REFERENCE	POINTS OF REVIEW	YES	NO	N/A	N/O
	12. Did H.P. monitor evacuation routes?	___	___	___	___
	13. Were private vehicles permitted for evacuation?	___	___	___	___
	If so, were they monitored for contamination?	___	___	___	___
	14. Was the Emergency Director informed when evacuation was completed?	___	___	___	___
	15. Were the relevant functions and activities implemented in a manner that is consistent with the emergency plan and procedures?	___	___	___	___

If not, explain why the emergency plan and procedures were not followed: _____

_____

_____

_____

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 39: WAS MET: _____ WAS NOT MET: _____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 40: FIRE EMERGENCY RESPONSE

Demonstrate the appropriate equipment and procedures to respond to a fire at IP-3.

NUREG REFERENCE		POINTS OF REVIEW	YES	NO	N/A	N/O
	1.	Did the team know the location, size and type of fire?	___	___	___	___
	2.	Was dosimetery issued to the fire fighters?	___	___	___	___
	3.	Did the security force direct fire fighters through the nearest gate?	___	___	___	___
	4.	Did they bring self-contained breathing apparatus (SCBA) for heavy smoke areas?	___	___	___	___
	5.	Were both particulate and iodine (airborne activity) readings made near the fire scene, by the HP technician?	___	___	___	___
		Was KI issued to the fire fighters at high radiation levels?	___	___	___	___
	6.	Was the team able to find and arrive at locations promptly?	___	___	___	___
	7.	Did the team take action to avoid the spread of contamination?	___	___	___	___
	8.	Were the relevant functions and activities implemented in a manner that is consistent with the emergency plan and procedures?	___	___	___	___

If not, explain why the emergency plan and procedures were not followed: _____

_____

_____

OBSERVER EVALUATION FORM

OBSERVER	CONTROLLER	LOCATION	DATE	REFERENCE PROCEDURES

OBJECTIVE 40: WAS MET: _____ WAS NOT MET: _____

NARRATIVE SUMMARY: (Describe how objective was met/why objective was not met; include noted strengths and weaknesses.)

1989 EXERCISE ASSIGNMENT SHEET

DATE: NOVEMBER 15, 1989

JOB FUNCTION	OBSERVER/CONTROLLER	PHONE #
Lead Controller	D. Bell	
Control Room Controller		
Plant Operations Manager	B. Sullivan	X 8274
Shift Supervisor		
Sr. Reactor Operator		
Reactor Operator		
CR Communicator(s)	C. Reiniger	
Accountability		
TSC Controller	M. Morrissey	739-3099
TSC Manager		
TSC Mechanical		
TSC Electrical	E. Noel	
TSC Reactor		
TSC Accountability		
OSC Controller	R. Cullen	X 8703 X 8715
OSC Manager		
OSC Team Leaders		
OSC Accountability	C. Embry	
OSC H.P. Control Point		
Watch H.P.	J. Darman	
Watch Chemist	J. Matwijiw	
EOF Controller	M. Chaubard	737-3629 X 8481
Emergency Director		
RATL		
Rad. Assessment Team:		
MIDAS Operator		
EOF Monitor	A. Zaremba, Jr.	
Dose Assessment		
Rad. Comm./Survey Teams		
Communicators		
Technical Advisor		
Public Relations	J. Kahabka	
P.R. Tech. Assistant		
EOF Accountability/Clerks		

1989 EXERCISE ASSIGNMENT SHEET

DATE: NOVEMBER 15, 1989

JOB FUNCTION	OBSERVER/CONTROLLER	PHONE #
Fire Brigade	S. VanBuren	
Lead Accountability	M. Kyer	X 8497
Accountability Areas:		
Training	E. Gray	X 8991
Warehouse	M. McLaughlin	X 8158
2nd Floor Lunch Room	J. Reagan	X 8020
Construction	M. Campanaro	X 8699
Machine Shop	R. Schmitt	X 8625
Onsite Monitoring Team	M. Mozzor	
Offsite Monitoring Teams:		
(1)	S. Horvath	
(2)	T. Ferraro	
Repair & Corrective Action Teams:		
(1)	P. Erickson (Maint)	
(2)	D. Buyes (I&C)	
(3)	R. Ruzicka (Ops)	
(4)	K. Dulgerian (H.P.)	
(5)		
Security Command Post	W. Heady	
Security Gates	M. Leonard	
Joint News Center	P. Keough	X 8088 X 8089
Emergency Response Center		
Q.A.	A. Picciano	
Accident Scene:		
First Aider(s)	G. Cosnett	
Nurse	M. Prairie	
Ambulance		
Hospital	Dr. Sawyer	737-9000
H.P.s at Hospital	M. McGough	

SECTION 4

EXERCISE SCENARIO

NEW YORK POWER AUTHORITY

INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1989 NRC OBSERVED PARTIAL EXERCISE

NOVEMBER 15, 1989

SCENARIO OVERVIEW

SCENARIO TIME LINE

SECTION 5

PLANT DATA

NEW YORK POWER AUTHORITY

INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1989 NRC OBSERVED PARTIAL EXERCISE

NOVEMBER 15, 1989

IP-3 PARTIAL EXERCISE

DATE: Novemer 15, 1989 TIME: 0745

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 1

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Plant status per plant status log.		
	- Initial conditions.	- Tech. Specs. 3.7	
	- Reactor power: 100%		

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 0745

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 1

INITIAL CONDITIONS:

The Indian Point 3 Nuclear Power Plant is operating normally at 100% power. The plant has been at 100% for the last 119 days. #32 EDG has been taken out of service for its annual PM (including oil change) and #31 and #33 EDGs have been tested for operability satisfactorily at midnight. 13.8KV feeder 13W93 has been removed from service due to a fault. Containment Spray Discharge Isolation Valve surveillance test (SI-MOV-866A and SI-MOV-866B) is in progress.

Current cycle burnup is 8800 MWD/MTU.

Plant status as per plant status log.

- THIS IS A DRILL -

#1

EP-FORM #31a

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER		TIME 0745	TIME	TIME	TIME	TIME
RCS Incore T/C Average	(°F)	595				
RCS Incore T/C Highest	(°F)	596				
RCS Average Temperature	(°F)	566				
RCS Pressure	(PSIG)	2235				
SAT Meter Margin	(°F)	59				
#RCP in Service	(0-4)	4				
Pressurizer Level	(%)	46				
Charging Flow	(gpm)	50				
S/G Levels #31 (Wide Range)	(%)	52				
#32 (Wide Range)	(%)	53				
#33 (Wide Range)	(%)	53				
#34 (Wide Range)	(%)	52				
S/G Pressure #31	(PSIG)	750				
#32	(PSIG)	750				
#33	(PSIG)	750				
#34	(PSIG)	750				
VC Pressure	(PSIG)	0.2				
Aux. FW Flow (Total)	(GPM)	0				
Cond.Storage Tank Level	(Ft.)	28.5				
VC Temperature	(°F)	112				
VC Sump Level Elev	(Ft.in.)	5"				
Recirc.Sump Level	(Ft.in.)	0				
RWST Level	(Ft.)	37				
Spray Add. Tank	(%)	87				
VC Hydrogen	(%)	N/A				
VC Dew Point	(°F)	96				
FCU Weir Level	(in.)	.1				
Reactor Vessel Level	(%)	100				

NOTES:

JAN 3 1 1988

#1

EP-FORM #31b

PAGE 1 of 2

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER		TIME 0745	TIME	TIME	TIME	TIME
R-1 CCR	(mR/hr)	<0.1				
R-2 VC 80'	(mR/hr)	3.0				
R-4 Charging Pump	(mR/hr)	0.1				
R-5 FSB	(mR/hr)	0.4				
R-6 Sample Room	(mR/hr)	1.0				
R-7 VC Seal Table	(mR/hr)	4.0				
R-8 Drum Station	(mR/hr)	1.0				
R-10 Steam Line Penetr.	(R/hr)	<0.1				
R-11 VC Part	(KCPM)	70				
R-12 VC Gas	(KCPM)	0.7				
R-13 Vent Part	(KCPM)	0.5				
R-14 Vent Gas	(KCPM)	1.1				
R-15 Air Ejector	(CPM)	100				
R-16 FC Water	(KCPM)	20				
R-17a Component Cooling	(CPM)	200				
R-17b Component Cooling	(CPM)	200				
R-18 Liquid Waste (eff)	(KCPM)	10				
R-19 S/G Blowdown	(uCi/cc)	8.5				
R-23 FC Water	(KCPM)	5				
R-25 VC High Range 1-E8	(R/hr)	<1.0				
R-26 VC High Range	(R/hr)	<1.0				
R-27 Vent Monitor	(uCi/cc)	2.9E-7				
R-27 Vent Flow Rate	(CFM)	60K				
R-27 Vent Disch.Rate	(uCi/sec)	8				
R-59 RAMS Gas Eff.	(uCi/sec)	11				
R-62A/32 Main Steam	(uCi/cc)	8.3E-4				
R-62B/31 Main Steam	(uCi/cc)	2.1E-3				
R-62C/33 Main Steam	(uCi/cc)	2.1E-4				
R-62D/34 Main Steam	(uCi/cc)	4.1E-4				

JAN 31 1988

#1

NOV 15 1989

EP-FORM #31b

PAGE 2 of 2

IP-3 PLANT STATUS LOG

DATE: _____

PARAMETER			TIME 0745	TIME	TIME	TIME	TIME
R-63A/B Failed Fuel		(uCi/cc)	0.1				
R-64	55' PAB	(mR/hr)	0.1				
R-65	73' PAB	(mR/hr)	0.1				
R-66	34' PAB	(mR/hr)	0.2				
R-67	41' PAB	(mR/hr)	0.3				
R-68	15' PAB	(mR/hr)	0.4				
R-69	54' Pipe Pen	(mR/hr)	6.0				
R-70	80' Fan House	(mR/hr)	0.1				
Wind Speed		(m/sec)					
Wind Direction		(degrees)					
Pasquill Category		(A-G)					
General Weather Conditions							

NOTES: Real time meteorological data is to be used

JAN 31 1988

#1

EP-FORM #31c

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

TIME OF INFORMATION: 0745

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1	X			
	#32 4	X			
	#33 3	X			
	#34 2	X			
Emergency D/Gs	#31 2A		X		
	#32 6A			X	Annual PM
	#33 5A		X		
Offsite Power Avail.	138KV	X			
	13.8KV		X		13W93 ds
SIS Pumps	#31 5A		X		
	#32 2A		X		
	#33 6A		X		
RHR Pumps	#31 3A		X		
	#32 6A		X		
Recirc. Pumps	#31 5A		X		
	#32 6A		X		
Aux.Boiler Feed Pumps	#31 3A		X		
	#32		X		
	#33 6A		X		
Fan Cooler Units	#31 5A	X			
	#32 2A	X			
	#33 5A		X		
	#34 3A	X			
	#35 6A	X			
Cont. Spray Pumps	#31 5A		X		P.T.
	#32 6A		X		
Charging Pumps	#31 5A	X			
	#32 3A		X		
	#33 6A		X		
Component Cool Pumps	#31 5A	X			
	#32 2A	X			
	#33 6A		X		
Aux.Comp. Cool Pumps	#31 5A		X		
	#32 6A		X		
	#33 5A		X		
	#34 6A		X		

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Service Water Pumps (Essential Header)	#31 5A		X		
	#32 2A	X			
	#33 6A	X			
	#34 5A		X		
	#35 3A	X			
	#36 6A		X		
RHR Heat Exchange	#31		X		
	#32		X		
Comp.Cool Heat Exch.	#31	X			
	#32		X		
Hydrogen Recombiner	#31 5A		X		
	#32 6A		X		
VC Isolation (Phase A or B Valves which are not in proper position)					
High Head SIS Flow	#31 (GPM)	0			
	#32 (GPM)	0			
	#33 (GPM)	0			
	#34 (GPM)	0			
Low Head SIS Flow	#31 (GPM)	0			
	#32 (GPM)	0			
	#33 (GPM)	0			
	#34 (GPM)	0			
Accum. Level	#31 (%)	26			
	#32 (%)	23			
	#33 (%)	27			
	#34 (%)	18			
Gas Turbines (Call Con Edison)	GT-1		X		
	GT-2		X		
	GT-3		X		
Appendix 'R' D/G			X		

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM. S = Standby O = Operating OS = Out of Service

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 0800

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 2

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Plant status per plant status log.		
	- Field Report #1 is issued to Performance Test Team indicating that #31 spray pump discharge valve stem has failed with the valve in the closed position.	- Tech. Specs. 3.7 - Declare #31 Spray Pump OOS. - Commence a plant shutdown to hot shutdown. - Declare a NUE within 15 minutes.	
	- Field Report #2 is issued to Maintenance Team working on #32 EDG which indicates it cannot be made operable for at least 5 hours.		
	- Reactor power: 100%		

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 0800

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 2

* Plant status per plant status log.
* Reactor is at 100% power.

- THIS IS A DRILL -

#2

EP-FORM #31a

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER		TIME 0800	TIME	TIME	TIME	TIME
RCS Incore T/C Average	(°F)	595				
RCS Incore T/C Highest	(°F)	596				
RCS Average Temperature	(°F)	566				
RCS Pressure	(PSIG)	2235				
SAT Meter Margin	(°F)	59				
#RCP in Service	(0-4)	4				
Pressurizer Level	(%)	46				
Charging Flow	(gpm)	50				
S/G Levels #31 (Wide Range)	(%)	52				
#32 (Wide Range)	(%)	53				
#33 (Wide Range)	(%)	53				
#34 (Wide Range)	(%)	52				
S/G Pressure #31	(PSIG)	750				
#32	(PSIG)	750				
#33	(PSIG)	750				
#34	(PSIG)	750				
VC Pressure	(PSIG)	0.2				
Aux. FW Flow (Total)	(GPM)	0				
Cond.Storage Tank Level	(Ft.)	28.5				
VC Temperature	(°F)	112				
VC Sump Level Elev	(Ft.in.)	5"				
Recirc.Sump Level	(Ft.in.)	0				
RWST Level	(Ft.)	37				
Spray Add. Tank	(%)	87				
VC Hydrogen	(%)	N/A				
VC Dew Point	(°F)	96				
FCU Weir Level	(in.)	.1				
Reactor Vessel Level	(%)	100				

NOTES:

JAN 3 1 1988

#2

EP-FORM #31b

PAGE 1 of 2

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER			TIME 0800	TIME	TIME	TIME	TIME
R-1	CCR	(mR/hr)	<0.1				
R-2	VC 80'	(mR/hr)	3.0				
R-4	Charging Pump	(mR/hr)	0.1				
R-5	FSB	(mR/hr)	0.4				
R-6	Sample Room	(mR/hr)	1.0				
R-7	VC Seal Table	(mR/hr)	4.0				
R-8	Drum Station	(mR/hr)	1.0				
R-10	Steam Line Penetr.	(R/hr)	<0.1				
R-11	VC Part	(KCPM)	70				
R-12	VC Gas	(KCPM)	0.7				
R-13	Vent Part	(KCPM)	0.5				
R-14	Vent Gas	(KCPM)	1.1				
R-15	Air Ejector	(CPM)	100				
R-16	FC Water	(KCPM)	20				
R-17a	Component Cooling	(CPM)	200				
R-17b	Component Cooling	(CPM)	200				
R-18	Liquid Waste (eff)	(KCPM)	10				
R-19	S/G Blowdown	(uCi/cc)	8.5				
R-23	FC Water	(KCPM)	5				
R-25	VC High Range 1-E8	(R/hr)	<1.0				
R-26	VC High Range	(R/hr)	<1.0				
R-27	Vent Monitor	(uCi/cc)	2.9E-7				
R-27	Vent Flow Rate	(CFM)	60K				
R-27	Vent Disch.Rate	(uCi/sec)	8				
R-59	RAMS Gas Eff.	(uCi/sec)	11				
R-62A/32	Main Steam	(uCi/cc)	8.3E-4				
R-62B/31	Main Steam	(uCi/cc)	2.1E-3				
R-62C/33	Main Steam	(uCi/cc)	2.1E-4				
R-62D/34	Main Steam	(uCi/cc)	4.1E-4				

JAN 31 1988

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NOV 15 1989

EP-FORM #31b

PAGE 2 of 2

IP-3 PLANT STATUS LOG

DATE: _____

PARAMETER	TIME 0800	TIME	TIME	TIME	TIME
R-63A/B Failed Fuel (uCi/cc)	0.1				
R-64 55' PAB (mR/hr)	0.1				
R-65 73' PAB (mR/hr)	0.1				
R-66 34' PAB (mR/hr)	0.2				
R-67 41' PAB (mR/hr)	0.3				
R-68 15' PAB (mR/hr)	0.4				
R-69 54' Pipe Pen (mR/hr)	6.0				
R-70 80' Fan House (mR/hr)	0.1				
Wind Speed (m/sec)					
Wind Direction (degrees)					
Pasquill Category (A-G)					
General Weather Conditions					

NOTES: Real time meteorological data is to be used.

JAN 31 1988

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 0815

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 3

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Plant status per plant status log. - Reactor power: 95%	- Notify Roster I and offsite agencies. - Issue Contingency Message #3A if an NUE has not been declared by this time.	NUE

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 0815

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 3

* Plant status per plant status log.

* Reactor is at 95% power.

- THIS IS A DRILL -

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 0815

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 3A (CONTINGENCY)

* Declare an NUE at this time based on a Technical Specification required shutdown.

- THIS IS A DRILL -

#3

EP-FORM #31a

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER		TIME 0815	TIME	TIME	TIME	TIME
RCS Incore T/C Average	(°F)	594				
RCS Incore T/C Highest	(°F)	594				
RCS Average Temperature	(°F)	565				
RCS Pressure	(PSIG)	2235				
SAT Meter Margin	(°F)	60				
#RCP in Service	(0-4)	4				
Pressurizer Level	(%)	46				
Charging Flow	(gpm)	50				
S/G Levels #31 (Wide Range)	(%)	52				
#32 (Wide Range)	(%)	53				
#33 (Wide Range)	(%)	53				
#34 (Wide Range)	(%)	53				
S/G Pressure #31	(PSIG)	760				
#32	(PSIG)	760				
#33	(PSIG)	760				
#34	(PSIG)	760				
VC Pressure	(PSIG)	0.2				
Aux. FW Flow (Total)	(GPM)	0				
Cond.Storage Tank Level	(Ft.)	28.5				
VC Temperature	(°F)	112				
VC Sump Level Elev	(Ft.in.)	5"				
Recirc.Sump Level	(Ft.in.)	0				
RWST Level	(Ft.)	37				
Spray Add. Tank	(%)	87				
VC Hydrogen	(%)	N/A				
VC Dew Point	(°F)	96				
FCU Weir Level	(in.)	.1				
Reactor Vessel Level	(%)	100				

NOTES:

JAN 3 1 1988

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NOV 15 1989

EP-FORM #31b

IP-3 PLANT STATUS LOG

DATE: _____

PAGE 1 of 2

PARAMETER			TIME 0815	TIME	TIME	TIME	TIME
R-1	CCR	(mR/hr)	<0.1				
R-2	VC 80'	(mR/hr)	3.0				
R-4	Charging Pump	(mR/hr)	0.1				
R-5	FSB	(mR/hr)	0.4				
R-6	Sample Room	(mR/hr)	1.0				
R-7	VC Seal Table	(mR/hr)	4.0				
R-8	Drum Station	(mR/hr)	1.0				
R-10	Steam Line Penetr.	(R/hr)	<0.1				
R-11	VC Part	(KCPM)	70				
R-12	VC Gas	(KCPM)	0.7				
R-13	Vent Part	(KCPM)	0.5				
R-14	Vent Gas	(KCPM)	1.1				
R-15	Air Ejector	(CPM)	100				
R-16	FC Water	(KCPM)	20				
R-17a	Component Cooling	(CPM)	200				
R-17b	Component Cooling	(CPM)	200				
R-18	Liquid Waste (eff)	(KCPM)	10.				
R-19	S/G Blowdown	(uCi/cc)	8.5				
R-23	FC Water	(KCPM)	5				
R-25	VC High Range 1-E8	(R/hr)	<1.0				
R-26	VC High Range	(R/hr)	<1.0				
R-27	Vent Monitor	(uCi/cc)	2.9E-7				
R-27	Vent Flow Rate	(CFM)	60K				
R-27	Vent Disch.Rate	(uCi/sec)	8				
R-59	RAMS Gas Eff.	(uCi/sec)	11				
R-62A/32	Main Steam	(uCi/cc)	8.3E-4				
R-62B/31	Main Steam	(uCi/cc)	2.1E-3				
R-62C/33	Main Steam	(uCi/cc)	2.1E-4				
R-62D/34	Main Steam	(uCi/cc)	4.1E-4				

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EP-FORM #31b

PAGE 2 of 2

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER	TIME 0815	TIME	TIME	TIME	TIME
R-63A/B Failed Fuel (uCi/cc)	0.1				
R-64 55' PAB (mR/hr)	0.1				
R-65 73' PAB (mR/hr)	0.1				
R-66 34' PAB (mR/hr)	0.2				
R-67 41' PAB (mR/hr)	0.3				
R-68 15' PAB (mR/hr)	0.4				
R-69 54' Pipe Pen (mR/hr)	6.0				
R-70 80' Fan House (mR/hr)	0.1				
Wind Speed (m/sec)					
Wind Direction (degrees)					
Pasquill Category (A-G)					
General Weather Conditions					

NOTES: Real time meteorological data is to be used.

JAN 31 1988

EP-FORM #31c

#3

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

TIME OF INFORMATION: 0815

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1	X			
	#32 4	X			
	#33 3	X			
	#34 2	X			
Emergency D/Gs	#31 2A		X		
	#32 6A			X	Annual PM
	#33 5A		X		
Offsite Power Avail.	138KV	X			
	13.8KV		X		13W030 5
SIS Pumps	#31 5A		X		
	#32 2A		X		
	#33 6A		X		
RHR Pumps	#31 3A		X		
	#32 6A		X		
Recirc. Pumps	#31 5A		X		
	#32 6A		X		
Aux.Boiler Feed Pumps	#31 3A		X		
	#32		X		
	#33 6A		X		
Fan Cooler Units	#31 5A	X			
	#32 2A	X			
	#33 5A		X		
	#34 3A	X			
	#35 6A	X			
Cont. Spray Pumps	#31 5A			X	P.J.
	#32 6A			X	Diesel
Charging Pumps	#31 5A	X			
	#32 3A		X		
	#33 6A		X		
Component Cool Pumps	#31 5A	X			
	#32 2A	X			
	#33 6A		X		
Aux.Comp. Cool Pumps	#31 5A		X		
	#32 6A		X		
	#33 5A		X		
	#34 6A		X		

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Service Water Pumps (Essential Header)	#31 5A		X		
	#32 2A	X			
	#33 6A	X			
	#34 5A		X		
	#35 3A	X			
	#36 6A		X		
RHR Heat Exchange	#31		X		
	#32		X		
Comp.Cool Heat Exch.	#31	X			
	#32		X		
Hydrogen Recombiner	#31 5A		X		
	#32 6A		X		
VC Isolation (Phase A or B Valves which are not in proper position)					
High Head SIS Flow	#31 (GPM)	0			
	#32 (GPM)	0			
	#33 (GPM)	0			
	#34 (GPM)	0			
Low Head SIS Flow	#31 (GPM)	0			
	#32 (GPM)	0			
	#33 (GPM)	0			
	#34 (GPM)	0			
Accum. Level	#31 (%)	26			
	#32 (%)	23			
	#33 (%)	27			
	#34 (%)	18			
Gas Turbines (Call Con Edison)	GT-1	X			
	GT-2	X			
	GT-3	X			
Appendix 'R' D/G		X			

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM. S = Standby O = Operating OS = Out of Service

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 0830

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 4

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Plant status per plant status log. - Makeup frequency to the VCT has increased to less than 1 hour. - Reactor power: 90%	- Tech. Specs. 3.1 - SOP-RCS-4 (initiate leak rate determination) of VCT level changes. - R-11 and R-12 show increase.	NUE

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 0830

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 4

* Plant status per plant status log.

* Makeup frequency to the VCT has increased to less than 1 hour.

* Reactor is at 90% power.

- THIS IS A DRILL -

#4

NOV 15 1989

EP-FORM #31a

IP-3 PLANT STATUS LOG

DATE: _____

PARAMETER		TIME 0830	TIME	TIME	TIME	TIME
RCS Incore T/C Average	(°F)	592				
RCS Incore T/C Highest	(°F)	592				
RCS Average Temperature	(°F)	564				
RCS Pressure	(PSIG)	2235				
SAT Meter Margin	(°F)	61				
#RCP in Service	(0-4)	4				
Pressurizer Level	(%)	45				
Charging Flow	(gpm)	57				
S/G Levels #31 (Wide Range)	(%)	53				
#32 (Wide Range)	(%)	54				
#33 (Wide Range)	(%)	54				
#34 (Wide Range)	(%)	53				
S/G Pressure #31	(PSIG)	770				
#32	(PSIG)	770				
#33	(PSIG)	770				
#34	(PSIG)	770				
VC Pressure	(PSIG)	0.2				
Aux. FW Flow (Total)	(GPM)	0				
Cond.Storage Tank Level	(Ft.)	28.5				
VC Temperature	(°F)	112				
VC Sump Level Elev	(Ft.in.)	5"				
Recirc.Sump Level	(Ft.in.)	0				
RWST Level	(Ft.)	37				
Spray Add. Tank	(%)	87				
VC Hydrogen	(%)	N/A				
VC Dew Point	(°F)	96				
FCU Weir Level	(in.)	.1				
Reactor Vessel Level	(%)	100				

NOTES:

JAN 31 1988

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NOV 15 1989

EP-FORM #31b

PAGE 1 of 2

IP-3 PLANT STATUS LOG

DATE: _____

PARAMETER			TIME 0830	TIME	TIME	TIME	TIME
R-1	CCR	(mR/hr)	<0.1				
R-2	VC 80'	(mR/hr)	3.0				
R-4	Charging Pump	(mR/hr)	0.1				
R-5	FSB	(mR/hr)	0.4				
R-6	Sample Room	(mR/hr)	1.0				
R-7	VC Seal Table	(mR/hr)	4.0				
R-8	Drum Station	(mR/hr)	1.0				
R-10	Steam Line Penetr.	(R/hr)	<0.1				
R-11	VC Part	(KCPM)	105				
R-12	VC Gas	(KCPM)	0.9				
R-13	Vent Part	(KCPM)	0.5				
R-14	Vent Gas	(KCPM)	1.1				
R-15	Air Ejector	(CPM)	100				
R-16	FC Water	(KCPM)	20				
R-17a	Component Cooling	(CPM)	200				
R-17b	Component Cooling	(CPM)	200				
R-18	Liquid Waste (eff)	(KCPM)	10				
R-19	S/G Blowdown	(uCi/cc)	8.5				
R-23	FC Water	(KCPM)	5				
R-25	VC High Range 1-E8	(R/hr)	<1.0				
R-26	VC High Range	(R/hr)	<1.0				
R-27	Vent Monitor	(uCi/cc)	2.9E-7				
R-27	Vent Flow Rate	(CFM)	60K				
R-27	Vent Disch.Rate	(uCi/sec)	8				
R-59	RAMS Gas Eff.	(uCi/sec)	11				
R-62A/32	Main Steam	(uCi/cc)	8.3E-4				
R-62B/31	Main Steam	(uCi/cc)	2.1E-3				
R-62C/33	Main Steam	(uCi/cc)	2.1E-4				
R-62D/34	Main Steam	(uCi/cc)	4.1E-4				

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NOV 15 1989

EP-FORM #31b

PAGE 2 of 2

IP-3 PLANT STATUS LOG

DATE: _____

PARAMETER	TIME 0830	TIME	TIME	TIME	TIME
R-63A/B Failed Fuel (uCi/cc)	0.1				
R-64 55' PAB (mR/hr)	0.1				
R-65 73' PAB (mR/hr)	0.1				
R-66 34' PAB (mR/hr)	0.2				
R-67 41' PAB (mR/hr)	0.3				
R-68 15' PAB (mR/hr)	0.4				
R-69 54' Pipe Pen (mR/hr)	6.0				
R-70 80' Fan House (mR/hr)	0.1				
Wind Speed (m/sec)					
Wind Direction (degrees)					
Pasquill Category (A-G)					
General Weather Conditions					

NOTES: Real time meteorological data is to be used.

JAN 31 1988

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 0845

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 5

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Plant status per plant status log. - Reactor power: 85%	- R-11 & R-12 are still showing an increase. - V.C. humidity increasing slightly. - S.S. makes preparations for a V.C. entry. - See Field Report #8 for V.C. entry air sample and marinelli data.	NUE

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 0845

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 5

* Plant status per plant status log.
* Reactor is at 85% power.

- THIS IS A DRILL -

#5

NOV 15 1989

EP-FORM #31a IP-3 PLANT STATUS LOG DATE: _____

PARAMETER		TIME 0845	TIME	TIME	TIME	TIME
RCS Incore T/C Average	(°F)	590				
RCS Incore T/C Highest	(°F)	590				
RCS Average Temperature	(°F)	563				
RCS Pressure	(PSIG)	2230				
SAT Meter Margin	(°F)	63				
#RCP in Service	(0-4)	4				
Pressurizer Level	(%)	42				
Charging Flow	(gpm)	57				
S/G Levels #31 (Wide Range)	(%)	54				
#32 (Wide Range)	(%)	54				
#33 (Wide Range)	(%)	54				
#34 (Wide Range)	(%)	53				
S/G Pressure #31	(PSIG)	780				
#32	(PSIG)	780				
#33	(PSIG)	780				
#34	(PSIG)	780				
VC Pressure	(PSIG)	0.2				
Aux. FW Flow (Total)	(GPM)	0				
Cond.Storage Tank Level	(Ft.)	28.5				
VC Temperature	(°F)	112				
VC Sump Level Elev	(Ft.in.)	5"				
Recirc.Sump Level	(Ft.in.)	0				
RWST Level	(Ft.)	37				
Spray Add. Tank	(%)	87				
VC Hydrogen	(%)	N/A				
VC Dew Point	(°F)	97				
FCU Weir Level	(in.)	.2				
Reactor Vessel Level	(%)	100				

NOTES:

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NOV 15 1989

EP-FORM #31b

PAGE 1 of 2

IP-3 PLANT STATUS LOG

DATE: _____

PARAMETER			TIME 0845	TIME	TIME	TIME	TIME
R-1	CCR	(mR/hr)	<0.1				
R-2	VC 80'	(mR/hr)	3.0				
R-4	Charging Pump	(mR/hr)	0.1				
R-5	FSB	(mR/hr)	0.4				
R-6	Sample Room	(mR/hr)	1.0				
R-7	VC Seal Table	(mR/hr)	4.0				
R-8	Drum Station	(mR/hr)	1.0				
R-10	Steam Line Penetr.	(R/hr)	<0.1				
R-11	VC Part	(KCPM)	120				
R-12	VC Gas	(KCPM)	1.0				
R-13	Vent Part	(KCPM)	0.5				
R-14	Vent Gas	(KCPM)	1.1				
R-15	Air Ejector	(CPM)	100				
R-16	FC Water	(KCPM)	20				
R-17a	Component Cooling	(CPM)	200				
R-17b	Component Cooling	(CPM)	200				
R-18	Liquid Waste (eff)	(KCPM)	10				
R-19	S/G Blowdown	(uCi/cc)	8.5				
R-23	FC Water	(KCPM)	5				
R-25	VC High Range 1-E8	(R/hr)	<1.0				
R-26	VC High Range	(R/hr)	<1.0				
R-27	Vent Monitor	(uCi/cc)	2.9E-7				
R-27	Vent Flow Rate	(CFM)	60K				
R-27	Vent Disch.Rate	(uCi/sec)	8				
R-59	RAMS Gas Eff.	(uCi/sec)	11				
R-62A/32	Main Steam	(uCi/cc)	8.3E-4				
R-62B/31	Main Steam	(uCi/cc)	2.1E-3				
R-62C/33	Main Steam	(uCi/cc)	2.1E-4				
R-62D/34	Main Steam	(uCi/cc)	4.1E-4				

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EP-FORM #31b

PAGE 2 of 2

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER	TIME 0845	TIME	TIME	TIME	TIME
R-63A/B Failed Fuel (uCi/cc)	0.1				
R-64 55' PAB (mR/hr)	0.1				
R-65 73' PAB (mR/hr)	0.1				
R-66 34' PAB (mR/hr)	0.2				
R-67 41' PAB (mR/hr)	0.3				
R-68 15' PAB (mR/hr)	0.4				
R-69 54' Pipe Pen (mR/hr)	6.0				
R-70 80' Fan House (mR/hr)	0.1				
Wind Speed (m/sec)					
Wind Direction (degrees)					
Pasquill Category (A-G)					
General Weather Conditions					

NOTES: Real time meteorological data is to be used.

JAN 31 1989

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EP-FORM #31c

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

TIME OF INFORMATION: 0845

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1	X			
	#32 4	X			
	#33 3	X			
	#34 2	X			
Emergency D/Gs	#31 2A		X		
	#32 6A			X	Annual PM
	#33 5A		X		
Offsite Power Avail.	138KV	X			
	13.8KV		X		13W/30S
SIS Pumps	#31 5A		X		
	#32 2A		X		
	#33 6A		X		
RHR Pumps	#31 3A		X		
	#32 6A		X		
Recirc. Pumps	#31 5A		X		
	#32 6A		X		
Aux.Boiler Feed Pumps	#31 3A		X		
	#32		X		
	#33 6A		X		
Fan Cooler Units	#31 5A	X			
	#32 2A	X			
	#33 5A		X		
	#34 3A	X			
	#35 6A	X			
Cont. Spray Pumps	#31 5A			X	D.J.
	#32 6A			X	Diesel
Charging Pumps	#31 5A	X			
	#32 3A		X		
	#33 6A		X		
Component Cool Pumps	#31 5A	X			
	#32 2A	X			
	#33 6A		X		
Aux.Comp. Cool Pumps	#31 5A		X		
	#32 6A		X		
	#33 5A		X		
	#34 6A		X		

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Service Water Pumps	#31 5A		X		
(Essential Header)	#32 2A	X			
	#33 6A	X			
	#34 5A	X			
	#35 3A		X		
	#36 6A	X			
RHR Heat Exchange	#31		X		
	#32		X		
Comp.Cool Heat Exch.	#31	X			
	#32		X		
Hydrogen Recombiner	#31 5A		X		
	#32 6A		X		
VC Isolation					
(Phase A or B Valves which					
are not in proper position)					
High Head SIS Flow	#31 (GPM)	0			
	#32 (GPM)	0			
	#33 (GPM)	0			
	#34 (GPM)	0			
Low Head SIS Flow	#31 (GPM)	0			
	#32 (GPM)	0			
	#33 (GPM)	0			
	#34 (GPM)	0			
Accum. Level	#31 (%)	26			
	#32 (%)	23			
	#33 (%)	27			
	#34 (%)	19			
Gas Turbines	GT-1		X		
(Call Con Edison)	GT-2		X		
	GT-3		X		
Appendix 'R' D/G			X		

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM. S = Standby O = Operating OS = Out of Service

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 0900

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 6

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Plant status per plant status log. - RCS leak rate after 1/2 hr. is determined to be 2.5 gpm. - Reactor power: 75%	- Tech. Spec. 3.1. - SOP-RCS-4 or VCT level change. - R-11 & R-12 are still trending upward. - V.C. humidity increasing slightly. - Preparation for a V.C. entry should be complete.	NUE

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 0900

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 6

* Plant status per plant status log.
* RCS leak rate after 1/2 hour is 2.5 gpm.
* Reactor is at 75% power.

- THIS IS A DRILL -

#6

EP-FORM #31a

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER		TIME 0900	TIME	TIME	TIME	TIME
RCS Incore T/C Average	(°F)	584				
RCS Incore T/C Highest	(°F)	585				
RCS Average Temperature	(°F)	561				
RCS Pressure	(PSIG)	2235				
SAT Meter Margin	(°F)	68				
#RCP in Service	(0-4)	4				
Pressurizer Level	(%)	41				
Charging Flow	(gpm)	58				
S/G Levels #31 (Wide Range)	(%)	54				
#32 (Wide Range)	(%)	55				
#33 (Wide Range)	(%)	55				
#34 (Wide Range)	(%)	54				
S/G Pressure #31	(PSIG)	800				
#32	(PSIG)	800				
#33	(PSIG)	800				
#34	(PSIG)	800				
VC Pressure	(PSIG)	.1				
Aux. FW Flow (Total)	(GPM)	0				
Cond.Storage Tank Level	(Ft.)	28.0				
VC Temperature	(°F)	112				
VC Sump Level Elev	(Ft.in.)	5"				
Recirc.Sump Level	(Ft.in.)	0				
RWST Level	(Ft.)	37				
Spray Add. Tank	(%)	87				
VC Hydrogen	(%)	N/A				
VC Dew Point	(°F)	97				
FCU Weir Level	(in.)	.2				
Reactor Vessel Level	(%)	100				

NOTES:

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EP-FORM #31b

PAGE 1 of 2

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER			TIME 0900	TIME	TIME	TIME	TIME
R-1	CCR	(mR/hr)	<0.1				
R-2	VC 80'	(mR/hr)	3.0				
R-4	Charging Pump	(mR/hr)	0.1				
R-5	FSB	(mR/hr)	0.4				
R-6	Sample Room	(mR/hr)	1.0				
R-7	VC Seal Table	(mR/hr)	4.0				
R-8	Drum Station	(mR/hr)	1.0				
R-10	Steam Line Penetr.	(R/hr)	<0.1				
R-11	VC Part	(KCPM)	140				
R-12	VC Gas	(KCPM)	1.1				
R-13	Vent Part	(KCPM)	0.5				
R-14	Vent Gas	(KCPM)	1.1				
R-15	Air Ejector	(CPM)	100				
R-16	FC Water	(KCPM)	20				
R-17a	Component Cooling	(CPM)	200				
R-17b	Component Cooling	(CPM)	200				
R-18	Liquid Waste (eff)	(KCPM)	10				
R-19	S/G Blowdown	(uCi/cc)	8.5				
R-23	FC Water	(KCPM)	5				
R-25	VC High Range 1-E8	(R/hr)	<1.0				
R-26	VC High Range	(R/hr)	<1.0				
R-27	Vent Monitor	(uCi/cc)	2.9E-7				
R-27	Vent Flow Rate	(CFM)	60K				
R-27	Vent Disch.Rate	(uCi/sec)	8				
R-59	RAMS Gas Eff.	(uCi/sec)	11				
R-62A/32	Main Steam	(uCi/cc)	8.3E-4				
R-62B/31	Main Steam	(uCi/cc)	2.1E-3				
R-62C/33	Main Steam	(uCi/cc)	2.1E-4				
R-62D/34	Main Steam	(uCi/cc)	4.1E-4				

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NOV 15 1989

EP-FORM #31b

IP-3 PLANT STATUS LOG

DATE: _____

PARAMETER	TIME 0900	TIME	TIME	TIME	TIME
R-63A/B Failed Fuel (uCi/cc)	0.1				
R-64 55' PAB (mR/hr)	0.1				
R-65 73' PAB (mR/hr)	0.1				
R-66 34' PAB (mR/hr)	0.2				
R-67 41' PAB (mR/hr)	0.3				
R-68 15' PAB (mR/hr)	0.4				
R-69 54' Pipe Pen (mR/hr)	6.0				
R-70 80' Fan House (mR/hr)	0.1				
Wind Speed (m/sec)					
Wind Direction (degrees)					
Pasquill Category (A-G)					
General Weather Conditions					

NOTES: Real time meteorological data is to be used.

JAN 31 1989

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 0915

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 7

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Plant status per plant status log. - R-11 alarm annunciates. - Reactor power: 70%		NUE

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 0915

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 7

* Plant status per plant status log.
* R-11 alarm annunciates.
* Reactor is at 70% power.

- THIS IS A DRILL -

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EP-FORM #31a

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER		TIME 0915	TIME	TIME	TIME	TIME
RCS Incore T/C Average	(°F)	582				
RCS Incore T/C Highest	(°F)	583				
RCS Average Temperature	(°F)	560				
RCS Pressure	(PSIG)	2235				
SAT Meter Margin	(°F)	70				
#RCP in Service	(0-4)	4				
Pressurizer Level	(%)	39				
Charging Flow	(gpm)	57				
S/G Levels #31 (Wide Range)	(%)	55				
#32 (Wide Range)	(%)	55				
#33 (Wide Range)	(%)	55				
#34 (Wide Range)	(%)	55				
S/G Pressure #31	(PSIG)	810				
#32	(PSIG)	810				
#33	(PSIG)	810				
#34	(PSIG)	810				
VC Pressure	(PSIG)	.1				
Aux. FW Flow (Total)	(GPM)	0				
Cond.Storage Tank Level	(Ft.)	28.0				
VC Temperature	(°F)	112				
VC Sump Level Elev	(Ft.in.)	5"				
Recirc.Sump Level	(Ft.in.)	0				
RWST Level	(Ft.)	37				
Spray Add. Tank	(%)	87				
VC Hydrogen	(%)	N/A				
VC Dew Point	(°F)	97				
FCU Weir Level	(in.)	.2				
Reactor Vessel Level	(%)	100				

NOTES:

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NOV 15 1989

EP-FORM #31b

PAGE 1 of 2

IP-3 PLANT STATUS LOG

DATE: _____

PARAMETER			TIME 0915	TIME	TIME	TIME	TIME
R-1	CCR	(mR/hr)	<0.1				
R-2	VC 80'	(mR/hr)	3.0				
R-4	Charging Pump	(mR/hr)	0.1				
R-5	FSB	(mR/hr)	0.4				
R-6	Sample Room	(mR/hr)	1.0				
R-7	VC Seal Table	(mR/hr)	4.0				
R-8	Drum Station	(mR/hr)	1.0				
R-10	Steam Line Penetr.	(R/hr)	<0.1				
R-11	VC Part	(KCPM)	160				
R-12	VC Gas	(KCPM)	1.2				
R-13	Vent Part	(KCPM)	0.5				
R-14	Vent Gas	(KCPM)	1.1				
R-15	Air Ejector	(CPM)	100				
R-16	FC Water	(KCPM)	20				
R-17a	Component Cooling	(CPM)	200				
R-17b	Component Cooling	(CPM)	200				
R-18	Liquid Waste (eff)	(KCPM)	10				
R-19	S/G Blowdown	(uCi/cc)	8.5				
R-23	FC Water	(KCPM)	5				
R-25	VC High Range 1-E8	(R/hr)	<1.0				
R-26	VC High Range	(R/hr)	<1.0				
R-27	Vent Monitor	(uCi/cc)	2.9E-7				
R-27	Vent Flow Rate	(CFM)	60K				
R-27	Vent Disch.Rate	(uCi/sec)	8				
R-59	RAMS Gas Eff.	(uCi/sec)	11				
R-62A/32	Main Steam	(uCi/cc)	8.3E-4				
R-62B/31	Main Steam	(uCi/cc)	2.1E-3				
R-62C/33	Main Steam	(uCi/cc)	2.1E-4				
R-62D/34	Main Steam	(uCi/cc)	4.1E-4				

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EP-FORM #31b

PAGE 2 of 2

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER	TIME 0915	TIME	TIME	TIME	TIME
R-63A/B Failed Fuel (uCi/cc)	0.1				
R-64 55' PAB (mR/hr)	0.1				
R-65 73' PAB (mR/hr)	0.1				
R-66 34' PAB (mR/hr)	0.2				
R-67 41' PAB (mR/hr)	0.3				
R-68 15' PAB (mR/hr)	0.4				
R-69 54' Pipe Pen (mR/hr)	6.0				
R-70 80' Fan House (mR/hr)	0.1				
Wind Speed (m/sec)					
Wind Direction (degrees)					
Pasquill Category (A-G)					
General Weather Conditions					

NOTES: Real time meteorological data is to be used.

JAN 31 1988

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EP-FORM #31c

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

TIME OF INFORMATION: 0915

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1	X			
	#32 4	X			
	#33 3	X			
	#34 2	X			
Emergency D/Gs	#31 2A		X		
	#32 6A			X	Annual PM
	#33 5A		X		
Offsite Power Avail.	138KV	X			
	13.8KV		X		13W93305
SIS Pumps	#31 5A		X		
	#32 2A		X		
	#33 6A		X		
RHR Pumps	#31 3A		X		
	#32 6A		X		
Recirc. Pumps	#31 5A		X		
	#32 6A		X		
Aux.Boiler Feed Pumps	#31 3A		X		
	#32		X		
	#33 6A		X		
Fan Cooler Units	#31 5A	X			
	#32 2A	X			
	#33 5A		X		
	#34 3A	X			
	#35 6A	X			
Cont. Spray Pumps	#31 5A			X	P.T.
	#32 6A			X	Diesel
Charging Pumps	#31 5A	X			
	#32 3A		X		
	#33 6A		X		
Component Cool Pumps	#31 5A	X			
	#32 2A	X			
	#33 6A		X		
Aux.Comp. Cool Pumps	#31 5A		X		
	#32 6A		X		
	#33 5A		X		
	#34 6A		X		

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Service Water Pumps	#31 5A		X		
(Essential Header)	#32 2A	X			
	#33 6A	X			
	#34 5A		X		
	#35 3A	X			
	#36 6A		X		
RHR Heat Exchange	#31		X		
	#32		X		
Comp.Cool Heat Exch.	#31	X			
	#32		X		
Hydrogen Recombiner	#31 5A		X		
	#32 6A		X		
VC Isolation					
(Phase A or B Valves which					
are not in proper position)					
High Head SIS Flow	#31 (GPM)	0			
	#32 (GPM)	0			
	#33 (GPM)	0			
	#34 (GPM)	0			
Low Head SIS Flow	#31 (GPM)	0			
	#32 (GPM)	0			
	#33 (GPM)	0			
	#34 (GPM)	0			
Accum. Level	#31 (%)	21			
	#32 (%)	23			
	#33 (%)	27			
	#34 (%)	18			
Gas Turbines	GT-1		X		
(Call Con Edison)	GT-2		X		
	GT-3		X		
Appendix 'R' D/G			X		

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM. S = Standby O = Operating OS = Out of Service

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 0930

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 8

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Plant status per plant status log.		NUE
	- Field Report #3 issued to V.C. entry team to report V.C. entry in progress.	- SOP-CB-2. - Simulate V.C. evacuation alarm; tested satisfactory.	
	- Reactor power: 65%		

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 0930

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 8

* Plant status per plant status log.

* Reactor is at 65% power.

- THIS IS A DRILL -

#8

EP-FORM #31a

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER		TIME 0930	TIME	TIME	TIME	TIME
RCS Incore T/C Average	(°F)	580				
RCS Incore T/C Highest	(°F)	581				
RCS Average Temperature	(°F)	559				
RCS Pressure	(PSIG)	2235				
SAT Meter Margin	(°F)	72				
#RCP in Service	(0-4)	4				
Pressurizer Level	(%)	37				
Charging Flow	(gpm)	57				
S/G Levels #31 (Wide Range)	(%)	57				
#32 (Wide Range)	(%)	57				
#33 (Wide Range)	(%)	57				
#34 (Wide Range)	(%)	56				
S/G Pressure #31	(PSIG)	820				
#32	(PSIG)	820				
#33	(PSIG)	820				
#34	(PSIG)	820				
VC Pressure	(PSIG)	.1				
Aux. FW Flow (Total)	(GPM)	0				
Cond.Storage Tank Level	(Ft.)	28.0				
VC Temperature	(°F)	112				
VC Sump Level Elev	(Ft.in.)	5"				
Recirc.Sump Level	(Ft.in.)	0				
RWST Level	(Ft.)	37				
Spray Add. Tank	(%)	87				
VC Hydrogen	(%)	N/A				
VC Dew Point	(°F)	97				
FCU Weir Level	(in.)	.2				
Reactor Vessel Level	(%)	100				

NOTES:

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EP-FORM #31b

PAGE 1 of 2

IP-3 PLANT STATUS LOG

DATE: _____

PARAMETER			TIME 0930	TIME	TIME	TIME	TIME
R-1	CCR	(mR/hr)	<0.1				
R-2	VC 80'	(mR/hr)	3.0				
R-4	Charging Pump	(mR/hr)	0.1				
R-5	FSB	(mR/hr)	0.4				
R-6	Sample Room	(mR/hr)	1.0				
R-7	VC Seal Table	(mR/hr)	4.0				
R-8	Drum Station	(mR/hr)	1.0				
R-10	Steam Line Penetr.	(R/hr)	<0.1				
R-11	VC Part	(KCPM)	180				
R-12	VC Gas	(KCPM)	1.3				
R-13	Vent Part	(KCPM)	0.5				
R-14	Vent Gas	(KCPM)	1.1				
R-15	Air Ejector	(CPM)	100				
R-16	FC Water	(KCPM)	20				
R-17a	Component Cooling	(CPM)	200				
R-17b	Component Cooling	(CPM)	200				
R-18	Liquid Waste (eff)	(KCPM)	10				
R-19	S/G Blowdown	(uCi/cc)	8.5				
R-23	FC Water	(KCPM)	5				
R-25	VC High Range 1-E8	(R/hr)	<1.0				
R-26	VC High Range	(R/hr)	<1.0				
R-27	Vent Monitor	(uCi/cc)	2.9E-7				
R-27	Vent Flow Rate	(CFM)	60K				
R-27	Vent Disch.Rate	(uCi/sec)	8				
R-59	RAMS Gas Eff.	(uCi/sec)	11				
R-62A/32	Main Steam	(uCi/cc)	8.3E-4				
R-62B/31	Main Steam	(uCi/cc)	2.1E-3				
R-62C/33	Main Steam	(uCi/cc)	2.1E-4				
R-62D/34	Main Steam	(uCi/cc)	4.1E-4				

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EP-FORM #31b

IP-3 PLANT STATUS LOG

DATE: _____

PAGE 2 of 2

PARAMETER	TIME 0930	TIME	TIME	TIME	TIME
R-63A/B Failed Fuel (uCi/cc)	0.1				
R-64 55' PAB (mR/hr)	0.1				
R-65 73' PAB (mR/hr)	0.1				
R-66 34' PAB (mR/hr)	0.2				
R-67 41' PAB (mR/hr)	0.3				
R-68 15' PAB (mR/hr)	0.4				
R-69 54' Pipe Pen (mR/hr)	6.0				
R-70 80' Fan House (mR/hr)	0.1				
Wind Speed (m/sec)					
Wind Direction (degrees)					
Pasquill Category (A-G)					
General Weather Conditions					

NOTES: Real time meteorological data is to be used.

JAN 31 1988

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 0940

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 8A

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Field Report #4 is issued to V.C. entry team to indicate source of leakage is RHR suction line on #32 hot leg. Team has exited containment.		NUE
	- While in V.C., a team member has fallen and broken his ankle.	- Control Room should be notified of contaminated injury. Control Room should implement IP-1021. See Medical Drill Scenario (Section 9).	

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 0945

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 9

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Plant status per plant status log. - Reactor power: 60%		NUE

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 0945

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 9

* Plant status per plant status log.
* Reactor is at 60% power.

- THIS IS A DRILL -

9

EP-FORM #31a

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER		TIME 0945	TIME	TIME	TIME	TIME
RCS Incore T/C Average	(°F)	576				
RCS Incore T/C Highest	(°F)	578				
RCS Average Temperature	(°F)	558				
RCS Pressure	(PSIG)	2235				
SAT Meter Margin	(°F)	75				
#RCP in Service	(0-4)	4				
Pressurizer Level	(%)	36				
Charging Flow	(gpm)	57				
S/G Levels #31 (Wide Range)	(%)	58				
#32 (Wide Range)	(%)	58				
#33 (Wide Range)	(%)	58				
#34 (Wide Range)	(%)	58				
S/G Pressure #31	(PSIG)	830				
#32	(PSIG)	830				
#33	(PSIG)	830				
#34	(PSIG)	830				
VC Pressure	(PSIG)	.1				
Aux. FW Flow (Total)	(GPM)	0				
Cond.Storage Tank Level	(Ft.)	28.0				
VC Temperature	(°F)	112				
VC Sump Level Elev	(Ft.in.)	5"				
Recirc.Sump Level	(Ft.in.)	0				
RWST Level	(Ft.)	37				
Spray Add. Tank	(%)	87				
VC Hydrogen	(%)	N/A				
VC Dew Point	(°F)	97				
FCU Weir Level	(in.)	.2				
Reactor Vessel Level	(%)	100				

NOTES:

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NOV 15 1989

EP-FORM #31b

PAGE 1 of 2

IP-3 PLANT STATUS LOG

DATE: _____

PARAMETER			TIME 0945	TIME	TIME	TIME	TIME
R-1	CCR	(mR/hr)	<0.1				
R-2	VC 80'	(mR/hr)	3.0				
R-4	Charging Pump	(mR/hr)	0.1				
R-5	FSB	(mR/hr)	0.4				
R-6	Sample Room	(mR/hr)	1.0				
R-7	VC Seal Table	(mR/hr)	4.0				
R-8	Drum Station	(mR/hr)	1.0				
R-10	Steam Line Penetr.	(R/hr)	<0.1				
R-11	VC Part	(KCPM)	200				
R-12	VC Gas	(KCPM)	1.3				
R-13	Vent Part	(KCPM)	0.5				
R-14	Vent Gas	(KCPM)	1.1				
R-15	Air Ejector	(CPM)	100				
R-16	FC Water	(KCPM)	20				
R-17a	Component Cooling	(CPM)	200				
R-17b	Component Cooling	(CPM)	200				
R-18	Liquid Waste (eff)	(KCPM)	10				
R-19	S/G Blowdown	(uCi/cc)	8.5				
R-23	FC Water	(KCPM)	5				
R-25	VC High Range 1-E8	(R/hr)	<1.0				
R-26	VC High Range	(R/hr)	<1.0				
R-27	Vent Monitor	(uCi/cc)	2.9E-7				
R-27	Vent Flow Rate	(CFM)	60K				
R-27	Vent Disch.Rate	(uCi/sec)	8				
R-59	RAMS Gas Eff.	(uCi/sec)	11				
R-62A/32	Main Steam	(uCi/cc)	8.3E-4				
R-62B/31	Main Steam	(uCi/cc)	2.1E-3				
R-62C/33	Main Steam	(uCi/cc)	2.1E-4				
R-62D/34	Main Steam	(uCi/cc)	4.1E-4				

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EP-FORM #31b

PAGE 2 of 2

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER	TIME 0945	TIME	TIME	TIME	TIME
R-63A/B Failed Fuel (uCi/cc)	0.1				
R-64 55' PAB (mR/hr)	0.1				
R-65 73' PAB (mR/hr)	0.1				
R-66 34' PAB (mR/hr)	0.2				
R-67 41' PAB (mR/hr)	0.3				
R-68 15' PAB (mR/hr)	0.4				
R-69 54' Pipe Pen (mR/hr)	6.0				
R-70 80' Fan House (mR/hr)	0.1				
Wind Speed (m/sec)					
Wind Direction (degrees)					
Pasquill Category (A-G)					
General Weather Conditions					

NOTES: Real time meteorological data is to be used.

JAN 31 1988

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1000

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 10

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Plant status per plant status log. - Zone 2 fire alarm annunciates (33' elevation Control Building). - CO_2 initiation alarms (33' elevation Control Building). - Reactor power: 55%	- Fire Brigade activated. - Declare an ALERT within 15 minutes due to fire potentially affecting required safety systems.	NUE

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1000

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 10

* Plant status per plant status log.
* Zone 2 fire alarm annunciates (33' elevation Control Building).
* CO_2 initiation alarms (33' elevation Control Building).
* Reactor is at 55% power.

- THIS IS A DRILL -

#10

EP-FORM #31a

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER		TIME 1000	TIME	TIME	TIME	TIME
RCS Incore T/C Average	(°F)	573				
RCS Incore T/C Highest	(°F)	575				
RCS Average Temperature	(°F)	557				
RCS Pressure	(PSIG)	2235				
SAT Meter Margin	(°F)	78				
#RCP in Service	(0-4)	4				
Pressurizer Level	(%)	35				
Charging Flow	(gpm)	57				
S/G Levels #31 (Wide Range)	(%)	58				
#32 (Wide Range)	(%)	59				
#33 (Wide Range)	(%)	59				
#34 (Wide Range)	(%)	58				
S/G Pressure #31	(PSIG)	850				
#32	(PSIG)	850				
#33	(PSIG)	850				
#34	(PSIG)	850				
VC Pressure	(PSIG)	.1				
Aux. FW Flow (Total)	(GPM)	0				
Cond.Storage Tank Level	(Ft.)	28.0				
VC Temperature	(°F)	112				
VC Sump Level Elev	(Ft.in.)	5"				
Recirc.Sump Level	(Ft.in.)	0				
RWST Level	(Ft.)	37				
Spray Add. Tank	(%)	87				
VC Hydrogen	(%)	N/A				
VC Dew Point	(°F)	97				
FCU Weir Level	(in.)	.3				
Reactor Vessel Level	(%)	100				

NOTES:

JAN 3 1 1988

#10

NOV 15 1988

EP-FORM #31b

PAGE 1 of 2

IP-3 PLANT STATUS LOG

DATE: _____

PARAMETER			TIME 1000	TIME	TIME	TIME	TIME
R-1	CCR	(mR/hr)	<0.1				
R-2	VC 80'	(mR/hr)	3.0				
R-4	Charging Pump	(mR/hr)	0.1				
R-5	FSB	(mR/hr)	0.4				
R-6	Sample Room	(mR/hr)	1.0				
R-7	VC Seal Table	(mR/hr)	4.0				
R-8	Drum Station	(mR/hr)	1.0				
R-10	Steam Line Penetr.	(R/hr)	<0.1				
R-11	VC Part	(KCPM)	220				
R-12	VC Gas	(KCPM)	1.4				
R-13	Vent Part	(KCPM)	0.5				
R-14	Vent Gas	(KCPM)	1.1				
R-15	Air Ejector	(CPM)	100				
R-16	FC Water	(KCPM)	20				
R-17a	Component Cooling	(CPM)	200				
R-17b	Component Cooling	(CPM)	200				
R-18	Liquid Waste (eff)	(KCPM)	10				
R-19	S/G Blowdown	(uCi/cc)	8.5				
R-23	FC Water	(KCPM)	5				
R-25	VC High Range 1-E8	(R/hr)	<1.0				
R-26	VC High Range	(R/hr)	<1.0				
R-27	Vent Monitor	(uCi/cc)	2.9E-7				
R-27	Vent Flow Rate	(CFM)	60K				
R-27	Vent Disch.Rate	(uCi/sec)	8				
R-59	RAMS Gas Eff.	(uCi/sec)	11				
R-62A/32	Main Steam	(uCi/cc)	8.3E-4				
R-62B/31	Main Steam	(uCi/cc)	2.1E-3				
R-62C/33	Main Steam	(uCi/cc)	2.1E-4				
R-62D/34	Main Steam	(uCi/cc)	4.1E-4				

JAN 31 1988

#10

EP-FORM #31b

PAGE 2 of 2

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER	TIME 1000	TIME	TIME	TIME	TIME
R-63A/B Failed Fuel (uCi/cc)	0.1				
R-64 55' PAB (mR/hr)	0.1				
R-65 73' PAB (mR/hr)	0.1				
R-66 34' PAB (mR/hr)	0.2				
R-67 41' PAB (mR/hr)	0.3				
R-68 15' PAB (mR/hr)	0.4				
R-69 54' Pipe Pen (mR/hr)	6.0				
R-70 80' Fan House (mR/hr)	0.1				
Wind Speed (m/sec)					
Wind Direction (degrees)					
Pasquill Category (A-G)					
General Weather Conditions					

NOTES: Real time meteorological data is to be used.

JAN 31 1988

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1005

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 10A

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Field Report #5 issued to Fire Brigade Leader indicating fire is out and that fire was in MCC-39 which is severely damaged. Also, several wire runs over MCC-39 are damaged.	- Fire Brigade Leader should notify Control Room regarding fire damage.	NUE

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1015

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 11

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Plant status per plant status log.		ALERT
	- Reactor power: 50%	- Issue Contingency Message #11A if an ALERT has not been declared by this time. - Activation of Emergency Response Facilities (OSC, TSC).	

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1015

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 11

* Plant status per plant status log.
* Reactor is at 50% power.

- THIS IS A DRILL -

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1015

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 11A (CONTINGENCY)

* Declare an ALERT at this time based on a fire potentially affecting required safety systems.

- THIS IS A DRILL -

#11

EP-FORM #31a IP-3 PLANT STATUS LOG DATE: NOV 15 1989

PARAMETER		TIME 1015	TIME	TIME	TIME	TIME
RCS Incore T/C Average	(°F)	570				
RCS Incore T/C Highest	(°F)	571				
RCS Average Temperature	(°F)	556				
RCS Pressure	(PSIG)	2235				
SAT Meter Margin	(°F)	81				
#RCP in Service	(0-4)	4				
Pressurizer Level	(%)	34				
Charging Flow	(gpm)	57				
S/G Levels #31 (Wide Range)	(%)	58				
#32 (Wide Range)	(%)	59				
#33 (Wide Range)	(%)	59				
#34 (Wide Range)	(%)	59				
S/G Pressure #31	(PSIG)	860				
#32	(PSIG)	860				
#33	(PSIG)	860				
#34	(PSIG)	860				
VC Pressure	(PSIG)	0.1				
Aux. FW Flow (Total)	(GPM)	0				
Cond.Storage Tank Level	(Ft.)	28.0				
VC Temperature	(°F)	112				
VC Sump Level Elev	(Ft.in.)	5"				
Recirc.Sump Level	(Ft.in.)	0				
RWST Level	(Ft.)	37				
Spray Add. Tank	(%)	87				
VC Hydrogen	(%)	N/A				
VC Dew Point	(°F)	97				
FCU Weir Level	(in.)	0.3				
Reactor Vessel Level	(%)	100				

NOTES:

#11

EP-FORM #31b

PAGE 1 of 2

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER		TIME 1015	TIME	TIME	TIME	TIME
R-1 CCR	(mR/hr)	<0.1				
R-2 VC 80'	(mR/hr)	3.0				
R-4 Charging Pump	(mR/hr)	0.1				
R-5 FSB	(mR/hr)	0.4				
R-6 Sample Room	(mR/hr)	1.0				
R-7 VC Seal Table	(mR/hr)	4				
R-8 Drum Station	(mR/hr)	1.0				
R-10 Steam Line Penetr.	(R/hr)	<0.1				
R-11 VC Part	(KCPM)	240				
R-12 VC Gas	(KCPM)	1.5				
R-13 Vent Part	(KCPM)	0.5				
R-14 Vent Gas	(KCPM)	1.1				
R-15 Air Ejector	(CPM)	100				
R-16 FC Water	(KCPM)	20				
R-17a Component Cooling	(CPM)	200				
R-17b Component Cooling	(CPM)	200				
R-18 Liquid Waste (eff)	(KCPM)	10				
R-19 S/G Blowdown	(uCi/cc)	8.5				
R-23 FC Water	(KCPM)	5				
R-25 VC High Range 1-E8	(R/hr)	<1.0				
R-26 VC High Range	(R/hr)	<1.0				
R-27 Vent Monitor	(uCi/cc)	2.97E-7				
R-27 Vent Flow Rate	(CFM)	60K				
R-27 Vent Disch.Rate	(uCi/sec)	8				
R-59 RAMS Gas Eff.	(uCi/sec)	11				
R-62A/32 Main Steam	(uCi/cc)	8.3E-4				
R-62B/31 Main Steam	(uCi/cc)	2.1E-3				
R-62C/33 Main Steam	(uCi/cc)	2.1E-4				
R-62D/34 Main Steam	(uCi/cc)	4.1E-4				

JAN 31 1988

#11

EP-FORM #31b

PAGE 2 of 2

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER	TIME 1015	TIME	TIME	TIME	TIME
R-63A/B Failed Fuel (uCi/cc)	0.1				
R-64 55' PAB (mR/hr)	0.1				
R-65 73' PAB (mR/hr)	0.1				
R-66 34' PAB (mR/hr)	0.2				
R-67 41' PAB (mR/hr)	0.3				
R-68 15' PAB (mR/hr)	0.4				
R-69 54' Pipe Pen (mR/hr)	6.0				
R-70 80' Fan House (mR/hr)	0.1				
Wind Speed (m/sec)					
Wind Direction (degrees)					
Pasquill Category (A-G)					
General Weather Conditions					

NOTES: Real time meteorological data is to be used.

JAN 31 1988

EP-FORM #31c

#11

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

TIME OF INFORMATION: 1015

PARAMETER	BUS #	O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1	X			
	#32 4	X			
	#33 3	X			
	#34 2	X			
Emergency D/Gs	#31 2A		X		
	#32 6A			X	Annual P.M.
	#33 5A		X		
Offsite Power Avail.	138KV	X			
	13.8KV		X		1309305
SIS Pumps	#31 5A		X		
	#32 2A		X		
	#33 6A		X		
RHR Pumps	#31 3A		X		
	#32 6A		X		
Recirc. Pumps	#31 5A		X		
	#32 6A		X		
Aux.Boiler Feed Pumps	#31 3A		X		
	#32		X		
	#33 6A		X		
Fan Cooler Units	#31 5A	X			
	#32 2A	X			
	#33 5A		X		
	#34 3A	X			
	#35 6A	X			
Cont. Spray Pumps	#31 5A			X	P.T.
	#32 6A			X	Diesel
Charging Pumps	#31 5A	X			
	#32 3A		X		
	#33 6A		X		
Component Cool Pumps	#31 5A	X			
	#32 2A	X			
	#33 6A		X		
Aux.Comp. Cool Pumps	#31 5A		X		
	#32 6A		X		
	#33 5A		X		
	#34 6A		X		

PARAMETER	BUS #	O	S	OS	REMARKS
Service Water Pumps (Essential Header)	#31 5A		X		
	#32 2A	X			
	#33 6A	X			
	#34 5A	X			
	#35 3A		X		
	#36 6A	X			
RHR Heat Exchange	#31		X		
	#32		X		
Comp.Cool Heat Exch.	#31	X			
	#32		X		
Hydrogen Recombiner	#31 5A		X		
	#32 6A		X		
VC Isolation (Phase A or B Valves which are not in proper position)					
High Head SIS Flow	#31 (GPM)	0			
	#32 (GPM)	0			
	#33 (GPM)	0			
	#34 (GPM)	0			
Low Head SIS Flow	#31 (GPM)	0			
	#32 (GPM)	0			
	#33 (GPM)	0			
	#34 (GPM)	0			
Accum. Level	#31 (%)	26			
	#32 (%)	23			
	#33 (%)	27			
	#34 (%)	19			
Gas Turbines (Call Con Edison)	GT-1		X		
	GT-2		X		
	GT-3		X		
Appendix 'R' D/G			X		

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM. S = Standby O = Operating OS = Out of Service

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1030

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 12

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Plant status per plant status log.		ALERT
	- Pressurizer level begins to decrease at approximately 1% per minute.	- Start another charging pump.	
		- Perform leak rate determination (VCT level).	
	- V.C. high humidity annunciates.	- Inform SRO that pressurizer level stabilized with second charging pump operating 50% loaded. Operator may want to increase rate of shutdown. If so, inform SRO to maintain current shutdown rate.	
	- R-11 offscale.		
	- Reactor power: 40%		
		- R-12 increasing.	

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1030

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 12

* Plant status per plant status log.
* Pressurizer level begins to decrease at approximately 1% per minute.
* R-11 offscale.
* V.C. high humidity annunciates.
* Reactor is at 40% power.

- THIS IS A DRILL -

#12

EP-FORM #31a

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER		TIME 1030	TIME	TIME	TIME	TIME
RCS Incore T/C Average	(°F)	568				
RCS Incore T/C Highest	(°F)	569				
RCS Average Temperature	(°F)	554				
RCS Pressure	(PSIG)	2235				
SAT Meter Margin	(°F)	83				
#RCP in Service	(0-4)	4				
Pressurizer Level	(%)	33				
Charging Flow	(gpm)	115				
S/G Levels #31 (Wide Range)	(%)	59				
#32 (Wide Range)	(%)	59				
#33 (Wide Range)	(%)	59				
#34 (Wide Range)	(%)	59				
S/G Pressure #31	(PSIG)	870				
#32	(PSIG)	870				
#33	(PSIG)	870				
#34	(PSIG)	870				
VC Pressure	(PSIG)	0.1				
Aux. FW Flow (Total)	(GPM)	0				
Cond.Storage Tank Level	(Ft.)	28.0				
VC Temperature	(°F)	112				
VC Sump Level Elev	(Ft.in.)	11"				
Recirc.Sump Level	(Ft.in.)	0				
RWST Level	(Ft.)	37				
Spray Add. Tank	(%)	87				
VC Hydrogen	(%)	N/A				
VC Dew Point	(°F)	102				
FCU Weir Level	(in.)	1.1				
Reactor Vessel Level	(%)	100				

NOTES:

12

NOV 15 1989

EP-FORM #31b

PAGE 1 of 2

IP-3 PLANT STATUS LOG

DATE: _____

PARAMETER			TIME 1030	TIME	TIME	TIME	TIME
R-1	CCR	(mR/hr)	<0.1				
R-2	VC 80'	(mR/hr)	11				
R-4	Charging Pump	(mR/hr)	0.1				
R-5	FSB	(mR/hr)	0.4				
R-6	Sample Room	(mR/hr)	1.0				
R-7	VC Seal Table	(mR/hr)	20				
R-8	Drum Station	(mR/hr)	1.0				
R-10	Steam Line Penetr.	(R/hr)	<0.1				
R-11	VC Part	(KCPM)	OFFSCALE				
R-12	VC Gas	(KCPM)	5.0				
R-13	Vent Part	(KCPM)	0.5				
R-14	Vent Gas	(KCPM)	1.1				
R-15	Air Ejector	(CPM)	100				
R-16	FC Water	(KCPM)	20				
R-17a	Component Cooling	(CPM)	200				
R-17b	Component Cooling	(CPM)	200				
R-18	Liquid Waste (eff)	(KCPM)	10				
R-19	S/G Blowdown	(uCi/cc)	8.5				
R-23	FC Water	(KCPM)	5				
R-25	VC High Range 1-E8	(R/hr)	<1.0				
R-26	VC High Range	(R/hr)	<1.0				
R-27	Vent Monitor	(uCi/cc)	2.9E-7				
R-27	Vent Flow Rate	(CFM)	60K				
R-27	Vent Disch.Rate	(uCi/sec)	8				
R-59	RAMS Gas Eff.	(uCi/sec)	11				
R-62A/32	Main Steam	(uCi/cc)	8.3E-4				
R-62B/31	Main Steam	(uCi/cc)	2.1E-3				
R-62C/33	Main Steam	(uCi/cc)	2.1E-4				
R-62D/34	Main Steam	(uCi/cc)	4.1E-4				

JAN 31 1988

#12

EP-FORM #31b

PAGE 2 of 2

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER	TIME 1030	TIME	TIME	TIME	TIME
R-63A/B Failed Fuel (uCi/cc)	0.1				
R-64 55' PAB (mR/hr)	0.1				
R-65 73' PAB (mR/hr)	0.1				
R-66 34' PAB (mR/hr)	0.2				
R-67 41' PAB (mR/hr)	0.3				
R-68 15' PAB (mR/hr)	0.4				
R-69 54' Pipe Pen (mR/hr)	6.0				
R-70 80' Fan House (mR/hr)	0.1				
Wind Speed (m/sec)					
Wind Direction (degrees)					
Pasquill Category (A-G)					
General Weather Conditions					

NOTES: Real time meteorological data is to be used.

JAN 31 1988

#12

EP-FORM #31c

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

TIME OF INFORMATION: 1030

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1	X			
	#32 4	X			
	#33 3	X			
	#34 2	X			
Emergency D/Gs	#31 2A		X		
	#32 6A			X	Annual P.M.
	#33 5A		X		
Offsite Power Avail.	138KV	X			
	13.8KV		X		13W43D5
SIS Pumps	#31 5A		X		
	#32 2A		X		
	#33 6A		X		
RHR Pumps	#31 3A		X		
	#32 6A		X		
Recirc. Pumps	#31 5A		X		
	#32 6A		X		
Aux.Boiler Feed Pumps	#31 3A		X		
	#32		X		
	#33 6A		X		
Fan Cooler Units	#31 5A	X			
	#32 2A	X			
	#33 5A		X		
	#34 3A	X			
	#35 6A	X			
Cont. Spray Pumps	#31 5A			X	P.T.
	#32 6A			X	Diesel
Charging Pumps	#31 5A	X			
	#32 3A	X			
	#33 6A		X		
Component Cool Pumps	#31 5A	X			
	#32 2A	X			
	#33 6A		X		
Aux.Comp. Cool Pumps	#31 5A		X		
	#32 6A		X		
	#33 5A		X		
	#34 6A		X		

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Service Water Pumps	#31 5A		X		
(Essential Header)	#32 2A	X			
	#33 6A	X			
	#34 5A	X			
	#35 3A		X		
	#36 6A	X			
RHR Heat Exchange	#31		X		
	#32		X		
Comp.Cool Heat Exch.	#31	X			
	#32		X		
Hydrogen Recombiner	#31 5A		X		
	#32 6A		X		
VC Isolation					
(Phase A or B Valves which					
are not in proper position)					
High Head SIS Flow	#31 (GPM)	0			
	#32 (GPM)	0			
	#33 (GPM)	0			
	#34 (GPM)	0			
Low Head SIS Flow	#31 (GPM)	0			
	#32 (GPM)	0			
	#33 (GPM)	0			
	#34 (GPM)	0			
Accum. Level	#31 (%)	26			
	#32 (%)	23			
	#33 (%)	27			
	#34 (%)	18			
Gas Turbines	GT-1		X		
(Call Con Edison)	GT-2		X		
	GT-3		X		
Appendix 'R' D/G			X		

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM. S = Standby O = Operating OS = Out of Service

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1045

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 13

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Plant status per plant status log.		ALERT
	- Leak rate based on VCT makeup is determined to be approximately 65 gpm.	- Increase shutdown rate of plant.	
		- Inform SRO that the plant should be off-line in one hour.	
	- Reactor power: 35%		

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1045

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 13

* Plant status per plant status log.

* Leak rate based on VCT makeup is determined to be approximately 65 gpm.

* Reactor is at 35% power.

- THIS IS A DRILL -

#13

EP-FORM #31a

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER		TIME 1045	TIME	TIME	TIME	TIME
RCS Incore T/C Average	(°F)	565				
RCS Incore T/C Highest	(°F)	566				
RCS Average Temperature	(°F)	553				
RCS Pressure	(PSIG)	2230				
SAT Meter Margin	(°F)	87				
#RCP in Service	(0-4)	4				
Pressurizer Level	(%)	30				
Charging Flow	(gpm)	118				
S/G Levels #31 (Wide Range)	(%)	59				
#32 (Wide Range)	(%)	59				
#33 (Wide Range)	(%)	59				
#34 (Wide Range)	(%)	59				
S/G Pressure #31	(PSIG)	890				
#32	(PSIG)	890				
#33	(PSIG)	890				
#34	(PSIG)	890				
VC Pressure	(PSIG)	0.1				
Aux. FW Flow (Total)	(GPM)	0				
Cond.Storage Tank Level	(Ft.)	28.0				
VC Temperature	(°F)	112				
VC Sump Level Elev	(Ft.in.)	11"				
Recirc.Sump Level	(Ft.in.)	0				
RWST Level	(Ft.)	37				
Spray Add. Tank	(%)	87				
VC Hydrogen	(%)	N/A				
VC Dew Point	(°F)	103				
FCU Weir Level	(in.)	1.6				
Reactor Vessel Level	(%)	100				

NOTES:

#13

NOV 15 1989

EP-FORM #31b

IP-3 PLANT STATUS LOG

DATE: _____

PAGE 1 of 2

PARAMETER			TIME 1045	TIME	TIME	TIME	TIME
R-1	CCR	(mR/hr)	<0.1				
R-2	VC 80'	(mR/hr)	20				
R-4	Charging Pump	(mR/hr)	0.1				
R-5	FSB	(mR/hr)	0.4				
R-6	Sample Room	(mR/hr)	1.0				
R-7	VC Seal Table	(mR/hr)	32				
R-8	Drum Station	(mR/hr)	1.0				
R-10	Steam Line Penetr.	(R/hr)	<0.1				
R-11	VC Part	(KCPM)	OFFSCALE				
R-12	VC Gas	(KCPM)	7.0				
R-13	Vent Part	(KCPM)	0.5				
R-14	Vent Gas	(KCPM)	1.1				
R-15	Air Ejector	(CPM)	100				
R-16	FC Water	(KCPM)	20				
R-17a	Component Cooling	(CPM)	200				
R-17b	Component Cooling	(CPM)	200				
R-18	Liquid Waste (eff)	(KCPM)	10				
R-19	S/G Blowdown	(uCi/cc)	8.5				
R-23	FC Water	(KCPM)	5				
R-25	VC High Range 1-E8	(R/hr)	<1.0				
R-26	VC High Range	(R/hr)	<1.0				
R-27	Vent Monitor	(uCi/cc)	2.9E-7				
R-27	Vent Flow Rate	(CFM)	60K				
R-27	Vent Disch.Rate	(uCi/sec)	8				
R-59	RAMS Gas Eff.	(uCi/sec)	11				
R-62A/32	Main Steam	(uCi/cc)	8.3E-4				
R-62B/31	Main Steam	(uCi/cc)	2.1E-3				
R-62C/33	Main Steam	(uCi/cc)	2.1E-4				
R-62D/34	Main Steam	(uCi/cc)	4.1E-4				

JAN 31 1988

13

NOV 15 1989

EP-FORM #31b

IP-3 PLANT STATUS LOG

DATE: _____

PAGE 2 of 2

PARAMETER	TIME 1045	TIME	TIME	TIME	TIME
R-63A/B Failed Fuel (uCi/cc)	0.1				
R-64 55' PAB (mR/hr)	0.1				
R-65 73' PAB (mR/hr)	0.1				
R-66 34' PAB (mR/hr)	0.2				
R-67 41' PAB (mR/hr)	0.3				
R-68 15' PAB (mR/hr)	0.4				
R-69 54' Pipe Pen (mR/hr)	6.0				
R-70 80' Fan House (mR/hr)	0.1				
Wind Speed (m/sec)					
Wind Direction (degrees)					
Pasquill Category (A-G)					
General Weather Conditions					

NOTES: Real time meteorological data is to be used.

JAN 31 1988

#13

EP-FORM #31c

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

TIME OF INFORMATION: 1045

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1	X			
	#32 4	X			
	#33 3	X			
	#34 2	X			
Emergency D/Gs	#31 2A		X		
	#32 6A			X	Annual PM
	#33 5A		X		
Offsite Power Avail.	138KV	X			
	13.8KV		X		13W93015
SIS Pumps	#31 5A		X		
	#32 2A		X		
	#33 6A		X		
RHR Pumps	#31 3A		X		
	#32 6A		X		
Recirc. Pumps	#31 5A		X		
	#32 6A		X		
Aux.Boiler Feed Pumps	#31 3A		X		
	#32		X		
	#33 6A		X		
Fan Cooler Units	#31 5A	X			
	#32 2A	X			
	#33 5A		X		
	#34 3A	X			
	#35 6A	X			
Cont. Spray Pumps	#31 5A			X	P.T.
	#32 6A			X	Diesel
Charging Pumps	#31 5A	X			
	#32 3A	X			
	#33 6A		X		
Component Cool Pumps	#31 5A	X			
	#32 2A	X			
	#33 6A		X		
Aux.Comp. Cool Pumps	#31 5A		X		
	#32 6A		X		
	#33 5A		X		
	#34 6A		X		

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Service Water Pumps	#31 5A		X		
(Essential Header)	#32 2A	X			
	#33 6A	X			
	#34 5A	X			
	#35 3A		X		
	#36 6A	X			
RHR Heat Exchange	#31		X		
	#32		X		
Comp.Cool Heat Exch.	#31	X			
	#32		X		
Hydrogen Recombiner	#31 5A		X		
	#32 6A		X		
VC Isolation					
(Phase A or B Valves which					
are not in proper position)					
High Head SIS Flow	#31 (GPM)	0			
	#32 (GPM)	0			
	#33 (GPM)	0			
	#34 (GPM)	0			
Low Head SIS Flow	#31 (GPM)	0			
	#32 (GPM)	0			
	#33 (GPM)	0			
	#34 (GPM)	0			
Accum. Level	#31 (%)	26			
	#32 (%)	23			
	#33 (%)	27			
	#34 (%)	19			
Gas Turbines	GT-1		X		
(Call Con Edison)	GT-2		X		
	GT-3		X		
Appendix 'R' D/G			X		

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM. S = Standby O = Operating OS = Out of Service

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1100

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 14

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Plant status per plant status log. - Reactor power: 30%		ALERT

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1100

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 14

* Plant status per plant status log.

* Reactor is at 30% power.

- THIS IS A DRILL -

#14

EP-FORM #31a

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER		TIME 1100	TIME	TIME	TIME	TIME
RCS Incore T/C Average	(°F)	561				
RCS Incore T/C Highest	(°F)	562				
RCS Average Temperature	(°F)	552				
RCS Pressure	(PSIG)	2230				
SAT Meter Margin	(°F)	91				
#RCP in Service	(0-4)	4				
Pressurizer Level	(%)	28				
Charging Flow	(gpm)	120				
S/G Levels #31 (Wide Range)	(%)	60				
#32 (Wide Range)	(%)	60				
#33 (Wide Range)	(%)	60				
#34 (Wide Range)	(%)	60				
S/G Pressure #31	(PSIG)	910				
#32	(PSIG)	910				
#33	(PSIG)	910				
#34	(PSIG)	910				
VC Pressure	(PSIG)	0.1				
Aux. FW Flow (Total)	(GPM)	0				
Cond.Storage Tank Level	(Ft.)	28.0				
VC Temperature	(°F)	113				
VC Sump Level Elev	(Ft.in.)	11"				
Recirc.Sump Level	(Ft.in.)	0				
RWST Level	(Ft.)	37				
Spray Add. Tank	(%)	87				
VC Hydrogen	(%)	N/A				
VC Dew Point	(°F)	104				
FCU Weir Level	(in.)	1.8				
Reactor Vessel Level	(%)	100				

NOTES:

#14

EP-FORM #31b

PAGE 1 of 2

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER			TIME 1100	TIME	TIME	TIME	TIME
R-1	CCR	(mR/hr)	<0.1				
R-2	VC 80'	(mR/hr)	30				
R-4	Charging Pump	(mR/hr)	0.1				
R-5	FSB	(mR/hr)	0.4				
R-6	Sample Room	(mR/hr)	1.0				
R-7	VC Seal Table	(mR/hr)	40				
R-8	Drum Station	(mR/hr)	1.0				
R-10	Steam Line Penetr.	(R/hr)	<0.1				
R-11	VC Part	(KCPM)	OFFSCALE				
R-12	VC Gas	(KCPM)	10.0				
R-13	Vent Part	(KCPM)	0.5				
R-14	Vent Gas	(KCPM)	1.1				
R-15	Air Ejector	(CPM)	100				
R-16	FC Water	(KCPM)	20				
R-17a	Component Cooling	(CPM)	200				
R-17b	Component Cooling	(CPM)	200				
R-18	Liquid Waste (eff)	(KCPM)	10				
R-19	S/G Blowdown	(uCi/cc)	8.5				
R-23	FC Water	(KCPM)	5				
R-25	VC High Range 1-E8	(R/hr)	<1.0				
R-26	VC High Range	(R/hr)	<1.0				
R-27	Vent Monitor	(uCi/cc)	2.9E-7				
R-27	Vent Flow Rate	(CFM)	60K				
R-27	Vent Disch.Rate	(uCi/sec)	8				
R-59	RAMS Gas Eff.	(uCi/sec)	11				
R-62A/32	Main Steam	(uCi/cc)	8.3E-4				
R-62B/31	Main Steam	(uCi/cc)	2.1E-3				
R-62C/33	Main Steam	(uCi/cc)	2.1E-4				
R-62D/34	Main Steam	(uCi/cc)	4.1E-4				

JAN 31 1988

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EP-FORM #31b

PAGE 2 of 2

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER	TIME 1100	TIME	TIME	TIME	TIME
R-63A/B Failed Fuel (uCi/cc)	0.1				
R-64 55' PAB (mR/hr)	0.1				
R-65 73' PAB (mR/hr)	0.1				
R-66 34' PAB (mR/hr)	0.2				
R-67 41' PAB (mR/hr)	0.3				
R-68 15' PAB (mR/hr)	0.4				
R-69 54' Pipe Pen (mR/hr)	6.0				
R-70 80' Fan House (mR/hr)	0.1				
Wind Speed (m/sec)					
Wind Direction (degrees)					
Pasquill Category (A-G)					
General Weather Conditions					

NOTES: Real time meteorological data is to be used.

JAN 31 1988

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1115

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 15

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Plant status per plant status log. - Reactor power: 20%		ALERT

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1115

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 15

* Plant status per plant status log.
* Reactor is at 20% power.

- THIS IS A DRILL -

#15

EP-FORM #31a

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER		TIME 1115	TIME	TIME	TIME	TIME
RCS Incore T/C Average	(°F)	557				
RCS Incore T/C Highest	(°F)	557				
RCS Average Temperature	(°F)	550				
RCS Pressure	(PSIG)	2230				
SAT Meter Margin	(°F)	95				
#RCP in Service	(0-4)	4				
Pressurizer Level	(%)	26				
Charging Flow	(gpm)	121				
S/G Levels #31 (Wide Range)	(%)	60				
#32 (Wide Range)	(%)	60				
#33 (Wide Range)	(%)	60				
#34 (Wide Range)	(%)	60				
S/G Pressure #31	(PSIG)	930				
#32	(PSIG)	930				
#33	(PSIG)	930				
#34	(PSIG)	930				
VC Pressure	(PSIG)	0.2				
Aux. FW Flow (Total)	(GPM)	0				
Cond.Storage Tank Level	(Ft.)	28.0				
VC Temperature	(°F)	115				
VC Sump Level Elev	(Ft.in.)	11"				
Recirc.Sump Level	(Ft.in.)	0				
RWST Level	(Ft.)	37				
Spray Add. Tank	(%)	87				
VC Hydrogen	(%)	N/A				
VC Dew Point	(°F)	104				
FCU Weir Level	(in.)	2.1				
Reactor Vessel Level	(%)	100				

NOTES:

JAN 3 1 1989

15

NOV 15 1989

EP-FORM #31b

IP-3 PLANT STATUS LOG

DATE: _____

PAGE 1 of 2

PARAMETER			TIME 1115	TIME	TIME	TIME	TIME
R-1	CCR	(mR/hr)	<0.1				
R-2	VC 80'	(mR/hr)	40				
R-4	Charging Pump	(mR/hr)	0.1				
R-5	FSB	(mR/hr)	0.4				
R-6	Sample Room	(mR/hr)	1.0				
R-7	VC Seal Table	(mR/hr)	60				
R-8	Drum Station	(mR/hr)	1.0				
R-10	Steam Line Penetr.	(R/hr)	<0.1				
R-11	VC Part	(KCPM)	OFFSCALE				
R-12	VC Gas	(KCPM)	13.0				
R-13	Vent Part	(KCPM)	0.5				
R-14	Vent Gas	(KCPM)	1.1				
R-15	Air Ejector	(CPM)	100				
R-16	FC Water	(KCPM)	20				
R-17a	Component Cooling	(CPM)	200				
R-17b	Component Cooling	(CPM)	200				
R-18	Liquid Waste (eff)	(KCPM)	10				
R-19	S/G Blowdown	(uCi/cc)	8.5				
R-23	FC Water	(KCPM)	5				
R-25	VC High Range 1-E8	(R/hr)	<1.0				
R-26	VC High Range	(R/hr)	<1.0				
R-27	Vent Monitor	(uCi/cc)	2.9E-7				
R-27	Vent Flow Rate	(CFM)	60K				
R-27	Vent Disch.Rate	(uCi/sec)	8				
R-59	RAMS Gas Eff.	(uCi/sec)	11				
R-62A/32	Main Steam	(uCi/cc)	8.3E-4				
R-62B/31	Main Steam	(uCi/cc)	2.1E-3				
R-62C/33	Main Steam	(uCi/cc)	2.1E-4				
R-62D/34	Main Steam	(uCi/cc)	4.1E-4				

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NOV 15 1989

EP-FORM #31b

IP-3 PLANT STATUS LOG

DATE: _____

PAGE 2 of 2

PARAMETER	TIME 1115	TIME	TIME	TIME	TIME
R-63A/B Failed Fuel (uCi/cc)	0.1				
R-64 55' PAB (mR/hr)	0.1				
R-65 73' PAB (mR/hr)	0.1				
R-66 34' PAB (mR/hr)	0.2				
R-67 41' PAB (mR/hr)	0.3				
R-68 15' PAB (mR/hr)	0.4				
R-69 54' Pipe Pen (mR/hr)	6.0				
R-70 80' Fan House (mR/hr)	0.1				
Wind Speed (m/sec)					
Wind Direction (degrees)					
Pasquill Category (A-G)					
General Weather Conditions					

NOTES: Real time meteorological data is to be used.

JAN 31 1988

#15

EP-FORM #31c

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

TIME OF INFORMATION: 1115

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1	X			
	#32 4	X			
	#33 3	X			
	#34 2	X			
Emergency D/Gs	#31 2A		X		
	#32 6A			X	Annual PM
	#33 5A		X		
Offsite Power Avail.	138KV	X			
	13.8KV		X		13W93 ok
SIS Pumps	#31 5A		X		
	#32 2A		X		
	#33 6A		X		
RHR Pumps	#31 3A		X		
	#32 6A		X		
Recirc. Pumps	#31 5A		X		
	#32 6A		X		
Aux.Boiler Feed Pumps	#31 3A		X		
	#32		X		
	#33 6A		X		
Fan Cooler Units	#31 5A	X			
	#32 2A	X			
	#33 5A		X		
	#34 3A	X			
	#35 6A	X			
Cont. Spray Pumps	#31 5A			X	P.T.
	#32 6A			X	Diesel
Charging Pumps	#31 5A	X			
	#32 3A	X			
	#33 6A		X		
Component Cool Pumps	#31 5A	X			
	#32 2A	X			
	#33 6A		X		
Aux.Comp. Cool Pumps	#31 5A		X		
	#32 6A		X		
	#33 5A		X		
	#34 6A		X		

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Service Water Pumps	#31 5A		X		
(Essential Header)	#32 2A	X			
	#33 6A	X			
	#34 5A	X			
	#35 3A		X		
	#36 6A	X			
RHR Heat Exchange	#31		X		
	#32		X		
Comp.Cool Heat Exch.	#31	X			
	#32		X		
Hydrogen Recombiner	#31 5A		X		
	#32 6A		X		
VC Isolation					
(Phase A or B Valves which					
are not in proper position)					
High Head SIS Flow	#31 (GPM)	0			
	#32 (GPM)	0			
	#33 (GPM)	0			
	#34 (GPM)	0			
Low Head SIS Flow	#31 (GPM)	0			
	#32 (GPM)	0			
	#33 (GPM)	0			
	#34 (GPM)	0			
Accum. Level	#31 (%)	26			
	#32 (%)	23			
	#33 (%)	27			
	#34 (%)	18			
Gas Turbines	GT-1		X		
(Call Con Edison)	GT-2		X		
	GT-3		X		
Appendix 'R' D/G			X		

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM. S = Standby O = Operating OS = Out of Service

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1130

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 16

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Plant status per plant status log.		ALERT
	- Field Report #6 is issued to Nuclear NPO which says that he observes a dented pipe and damaged valve in 41' Pipe Pen.	- NPO should report damage to the Control Room.	
	- R-12 alarm annunciates.		
	- Reactor power: 10%		

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1130

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 16

* Plant status per plant status log.
* R-12 alarm annunciates.
* Reactor is at 10% power.

- THIS IS A DRILL -

#16

EP-FORM #31a

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER		TIME 1130	TIME	TIME	TIME	TIME
RCS Incore T/C Average	(°F)	550				
RCS Incore T/C Highest	(°F)	551				
RCS Average Temperature	(°F)	548				
RCS Pressure	(PSIG)	2235				
SAT Meter Margin	(°F)	102				
#RCP in Service	(0-4)	4				
Pressurizer Level	(%)	24				
Charging Flow	(gpm)	120				
S/G Levels #31 (Wide Range)	(%)	61				
#32 (Wide Range)	(%)	61				
#33 (Wide Range)	(%)	60				
#34 (Wide Range)	(%)	60				
S/G Pressure #31	(PSIG)	960				
#32	(PSIG)	960				
#33	(PSIG)	960				
#34	(PSIG)	960				
VC Pressure	(PSIG)	0.2				
Aux. FW Flow (Total)	(GPM)	0				
Cond.Storage Tank Level	(Ft.)	28.0				
VC Temperature	(°F)	115				
VC Sump Level Elev	(Ft.in.)	11"				
Recirc.Sump Level	(Ft.in.)	0				
RWST Level	(Ft.)	37				
Spray Add. Tank	(%)	87				
VC Hydrogen	(%)	N/A				
VC Dew Point	(°F)	105				
FCU Weir Level	(in.)	2.4				
Reactor Vessel Level	(%)	100				

NOTES:

16

NOV 15 1989

EP-FORM #31b

IP-3 PLANT STATUS LOG

DATE: _____

PAGE 1 of 2

PARAMETER			TIME 1130	TIME	TIME	TIME	TIME
R-1	CCR	(mR/hr)	<0.1				
R-2	VC 80'	(mR/hr)	40				
R-4	Charging Pump	(mR/hr)	0.1				
R-5	FSB	(mR/hr)	0.4				
R-6	Sample Room	(mR/hr)	1.0				
R-7	VC Seal Table	(mR/hr)	72				
R-8	Drum Station	(mR/hr)	1.0				
R-10	Steam Line Penetr.	(R/hr)	<0.1				
R-11	VC Part	(KCPM)	OFFSCALE				
R-12	VC Gas	(KCPM)	15.0				
R-13	Vent Part	(KCPM)	0.5				
R-14	Vent Gas	(KCPM)	1.1				
R-15	Air Ejector	(CPM)	100				
R-16	FC Water	(KCPM)	20				
R-17a	Component Cooling	(CPM)	200				
R-17b	Component Cooling	(CPM)	200				
R-18	Liquid Waste (eff)	(KCPM)	10				
R-19	S/G Blowdown	(uCi/cc)	8.5				
R-23	FC Water	(KCPM)	5				
R-25	VC High Range 1-E8	(R/hr)	<1.0				
R-26	VC High Range	(R/hr)	<1.0				
R-27	Vent Monitor	(uCi/cc)	2.9E-7				
R-27	Vent Flow Rate	(CFM)	60K				
R-27	Vent Disch.Rate	(uCi/sec)	8				
R-59	RAMS Gas Eff.	(uCi/sec)	11				
R-62A/32	Main Steam	(uCi/cc)	8.3E-4				
R-62B/31	Main Steam	(uCi/cc)	2.1E-3				
R-62C/33	Main Steam	(uCi/cc)	2.1E-4				
R-62D/34	Main Steam	(uCi/cc)	4.1E-4				

JAN 31 1988

#16

NOV 15 1989

EP-FORM #31b

IP-3 PLANT STATUS LOG

DATE: _____

PAGE 2 of 2

PARAMETER	TIME 1130	TIME	TIME	TIME	TIME
R-63A/B Failed Fuel (uCi/cc)	0.1				
R-64 55' PAB (mR/hr)	0.1				
R-65 73' PAB (mR/hr)	0.1				
R-66 34' PAB (mR/hr)	0.2				
R-67 41' PAB (mR/hr)	0.3				
R-68 15' PAB (mR/hr)	0.4				
R-69 54' Pipe Pen (mR/hr)	6.0				
R-70 80' Fan House (mR/hr)	0.1				
Wind Speed (m/sec)					
Wind Direction (degrees)					
Pasquill Category (A-G)					
General Weather Conditions					

NOTES: Real time meteorological data is to be used.

JAN 31 1988

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1145

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 17

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Plant status per plant status log. - Field Report #7 issued to PACVS valve repair team. - Reactor power: 2%		ALERT

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1145

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 17

* Plant status per plant status log.

* Reactor is at 2% power.

- THIS IS A DRILL -

#17

EP-FORM #31a

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER		TIME 1145	TIME	TIME	TIME	TIME
RCS Incore T/C Average	(°F)	547				
RCS Incore T/C Highest	(°F)	548				
RCS Average Temperature	(°F)	547				
RCS Pressure	(PSIG)	2235				
SAT Meter Margin	(°F)	103				
#RCP in Service	(0-4)	4				
Pressurizer Level	(%)	23				
Charging Flow	(gpm)	118				
S/G Levels #31 (Wide Range)	(%)	62				
#32 (Wide Range)	(%)	62				
#33 (Wide Range)	(%)	62				
#34 (Wide Range)	(%)	62				
S/G Pressure #31	(PSIG)	1005				
#32	(PSIG)	1005				
#33	(PSIG)	1005				
#34	(PSIG)	1005				
VC Pressure	(PSIG)	0.2				
Aux. FW Flow (Total)	(GPM)	400				
Cond.Storage Tank Level	(Ft.)	28.0				
VC Temperature	(°F)	115				
VC Sump Level Elev	(Ft.in.)	11"				
Recirc.Sump Level	(Ft.in.)	0				
RWST Level	(Ft.)	37				
Spray Add. Tank	(%)	87				
VC Hydrogen	(%)	N/A				
VC Dew Point	(°F)	105				
FCU Weir Level	(in.)	2.7				
Reactor Vessel Level	(%)	100				

NOTES:

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NOV 15 1989

EP-FORM #31b

PAGE 1 of 2

IP-3 PLANT STATUS LOG

DATE: _____

PARAMETER			TIME 1145	TIME	TIME	TIME	TIME
R-1	CCR	(mR/hr)	<0.1				
R-2	VC 80'	(mR/hr)	40				
R-4	Charging Pump	(mR/hr)	0.1				
R-5	FSB	(mR/hr)	0.4				
R-6	Sample Room	(mR/hr)	1.0				
R-7	VC Seal Table	(mR/hr)	72				
R-8	Drum Station	(mR/hr)	1.0				
R-10	Steam Line Penetr.	(R/hr)	<0.1				
R-11	VC Part	(KCPM)	OFFSCALE				
R-12	VC Gas	(KCPM)	18.0				
R-13	Vent Part	(KCPM)	0.5				
R-14	Vent Gas	(KCPM)	1.1				
R-15	Air Ejector	(CPM)	100				
R-16	FC Water	(KCPM)	20				
R-17a	Component Cooling	(CPM)	200				
R-17b	Component Cooling	(CPM)	200				
R-18	Liquid Waste (eff)	(KCPM)	10				
R-19	S/G Blowdown	(uCi/cc)	8.5				
R-23	FC Water	(KCPM)	5				
R-25	VC High Range 1-E8	(R/hr)	<1.0				
R-26	VC High Range	(R/hr)	<1.0				
R-27	Vent Monitor	(uCi/cc)	2.9E-7				
R-27	Vent Flow Rate	(CFM)	60K				
R-27	Vent Disch.Rate	(uCi/sec)	8				
R-59	RAMS Gas Eff.	(uCi/sec)	11				
R-62A/32	Main Steam	(uCi/cc)	8.3E-4				
R-62B/31	Main Steam	(uCi/cc)	2.1E-3				
R-62C/33	Main Steam	(uCi/cc)	2.1E-4				
R-62D/34	Main Steam	(uCi/cc)	4.1E-4				

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NOV 15 1989

EP-FORM #31b

IP-3 PLANT STATUS LOG

DATE: _____

PAGE 2 of 2

PARAMETER	TIME 1145	TIME	TIME	TIME	TIME
R-63A/B Failed Fuel (uCi/cc)	0.1				
R-64 55' PAB (mR/hr)	0.1				
R-65 73' PAB (mR/hr)	0.1				
R-66 34' PAB (mR/hr)	0.2				
R-67 41' PAB (mR/hr)	0.3				
R-68 15' PAB (mR/hr)	0.4				
R-69 54' Pipe Pen (mR/hr)	6.0				
R-70 80' Fan House (mR/hr)	0.1				
Wind Speed (m/sec)					
Wind Direction (degrees)					
Pasquill Category (A-G)					
General Weather Conditions					

NOTES: Real time meteorological data is to be used.

JAN 31 1988

#17

EP-FORM #31c

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

TIME OF INFORMATION: 1145

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1	X			
	#32 4	X			
	#33 3	X			
	#34 2	X			
Emergency D/Gs	#31 2A		X		
	#32 6A			X	Annual PM
	#33 5A		X		
Offsite Power Avail.	138KV	X			
	13.8KV		X		13W93015
SIS Pumps	#31 5A		X		
	#32 2A		X		
	#33 6A		X		
RHR Pumps	#31 3A		X		
	#32 6A		X		
Recirc. Pumps	#31 5A		X		
	#32 6A		X		
Aux.Boiler Feed Pumps	#31 3A		X		
	#32		X		
	#33 6A		X		
Fan Cooler Units	#31 5A	X			
	#32 2A	X			
	#33 5A		X		
	#34 3A	X			
	#35 6A	X			
Cont. Spray Pumps	#31 5A			X	P.T.
	#32 6A			X	Diesel
Charging Pumps	#31 5A	X			
	#32 3A	X			
	#33 6A		X		
Component Cool Pumps	#31 5A	X			
	#32 2A	X			
	#33 6A		X		
Aux.Comp. Cool Pumps	#31 5A		X		
	#32 6A		X		
	#33 5A		X		
	#34 6A		X		

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Service Water Pumps	#31 5A		X		
(Essential Header)	#32 2A	X			
	#33 6A	X			
	#34 5A	X			
	#35 3A		X		
	#36 6A	X			
RHR Heat Exchange	#31		X		
	#32		X		
Comp.Cool Heat Exch.	#31	X			
	#32		X		
Hydrogen Recombiner	#31 5A		X		
	#32 6A		X		
VC Isolation					
(Phase A or B Valves which					
are not in proper position)					
High Head SIS Flow	#31 (GPM)	0			
	#32 (GPM)	0			
	#33 (GPM)	0			
	#34 (GPM)	0			
Low Head SIS Flow	#31 (GPM)	0			
	#32 (GPM)	0			
	#33 (GPM)	0			
	#34 (GPM)	0			
Accum. Level	#31 (%)	26			
	#32 (%)	23			
	#33 (%)	27			
	#34 (%)	19			
Gas Turbines	GT-1		X		
(Call Con Edison)	GT-2		X		
	GT-3		X		
Appendix 'R' D/G			X		

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM. S = Standby O = Operating OS = Out of Service

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1200

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 18

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Plant status per plant status log. - RCS pressure decreases rapidly. - Pressurizer low pressure SI annunciates. - High containment pressure SI annunciates. - VC radiation and sump levels begin rising rapidly.	- E-0 - Declare SITE AREA EMERGENCY within 15 minutes.	ALERT

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1200

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 18

* Plant status per plant status log.
* RCS pressure decreases rapidly.
* High containment pressure SI annunciates.
* V.C. radiation and sump levels begin rising rapidly.
* Pressurizer low pressure SI annunciates.

- THIS IS A DRILL -

#18

EP-FORM #31a

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER		TIME 1200	TIME	TIME	TIME	TIME
RCS Incore T/C Average	(°F)	540				
RCS Incore T/C Highest	(°F)	549				
RCS Average Temperature	(°F)	545				
RCS Pressure	(PSIG)	950				
SAT Meter Margin	(°F)	-30				
#RCP in Service	(0-4)	0				
Pressurizer Level	(%)	0				
Charging Flow	(gpm)	0				
S/G Levels #31 (Wide Range)	(%)	66				
#32 (Wide Range)	(%)	66				
#33 (Wide Range)	(%)	66				
#34 (Wide Range)	(%)	66				
S/G Pressure #31	(PSIG)	950				
#32	(PSIG)	950				
#33	(PSIG)	950				
#34	(PSIG)	950				
VC Pressure	(PSIG)	15				
Aux. FW Flow (Total)	(GPM)	800				
Cond.Storage Tank Level	(Ft.)	28				
VC Temperature	(°F)	>180				
VC Sump Level Elev	(Ft.in.)	46'2"				
Recirc.Sump Level	(Ft.in.)	78"				
RWST Level	(Ft.)	36'				
Spray Add. Tank	(%)	87				
VC Hydrogen	(%)	N/A				
VC Dew Point	(°F)	OFFSCALE				
FCU Weir Level	(in.)	>30				
Reactor Vessel Level	(%)	93				

NOTES:

18

NOV 15 1989

EP-FORM #31b

IP-3 PLANT STATUS LOG

DATE: _____

PAGE 1 of 2

PARAMETER			TIME 1200	TIME	TIME	TIME	TIME
R-1	CCR	(mR/hr)	<0.1				
R-2	VC 80'	(mR/hr)	1000				
R-4	Charging Pump	(mR/hr)	0.1				
R-5	FSB	(mR/hr)	0.4				
R-6	Sample Room	(mR/hr)	1.0				
R-7	VC Seal Table	(mR/hr)	1200				
R-8	Drum Station	(mR/hr)	1.0				
R-10	Steam Line Penetr.	(R/hr)	0.3				
R-11	VC Part	(KCPM)	OFFSCALE				
R-12	VC Gas	(KCPM)	700				
R-13	Vent Part	(KCPM)	2.6				
R-14	Vent Gas	(KCPM)	1.2				
R-15	Air Ejector	(CPM)	100				
R-16	FC Water	(KCPM)	20				
R-17a	Component Cooling	(CPM)	200				
R-17b	Component Cooling	(CPM)	200				
R-18	Liquid Waste (eff)	(KCPM)	10				
R-19	S/G Blowdown	(uCi/cc)	8.5				
R-23	FC Water	(KCPM)	5				
R-25	VC High Range 1-E8	(R/hr)	2.0				
R-26	VC High Range	(R/hr)	2.0				
R-27	Vent Monitor	(uCi/cc)	5E-7				
R-27	Vent Flow Rate	(CFM)	60K				
R-27	Vent Disch.Rate	(uCi/sec)	14				
R-59	RAMS Gas Eff.	(uCi/sec)	11				
R-62A/32	Main Steam	(uCi/cc)	8.3E-4				
R-62B/31	Main Steam	(uCi/cc)	2.1E-3				
R-62C/33	Main Steam	(uCi/cc)	2.1E-4				
R-62D/34	Main Steam	(uCi/cc)	4.1E-4				

JAN 31 1988

#18

EP-FORM #31b

PAGE 2 of 2

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER	TIME 1200	TIME	TIME	TIME	TIME
R-63A/B Failed Fuel (uCi/cc)	0.1				
R-64 55' PAB (mR/hr)	0.1				
R-65 73' PAB (mR/hr)	0.1				
R-66 34' PAB (mR/hr)	0.2				
R-67 41' PAB (mR/hr)	0.3				
R-68 15' PAB (mR/hr)	0.4				
R-69 54' Pipe Pen (mR/hr)	20				
R-70 80' Fan House (mR/hr)	0.1				
Wind Speed (m/sec)					
Wind Direction (degrees)					
Pasquill Category (A-G)					
General Weather Conditions					

NOTES: Real time meteorological data is to be used.

JAN 31 1988

#18

EP-FORM #31c

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

TIME OF INFORMATION: 1200

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1		X		
	#32 4		X		
	#33 3		X		
	#34 2		X		
Emergency D/Gs	#31 2A	X			
	#32 6A			X	Annual PM
	#33 5A	X			
Offsite Power Avail.	138KV	X			
	13.8KV		X		13W930/S
SIS Pumps	#31 5A	X			
	#32 2A	X			
	#33 6A	X			
RHR Pumps	#31 3A	X			
	#32 6A	X			
Recirc. Pumps	#31 5A		X		
	#32 6A		X		
Aux.Boiler Feed Pumps	#31 3A	X			
	#32		X		
	#33 6A	X			
Fan Cooler Units	#31 5A	X			
	#32 2A	X			
	#33 5A	X			
	#34 3A	X			
	#35 6A	X			
Cont. Spray Pumps	#31 5A			X	P.T.
	#32 6A			X	Diesel
Charging Pumps	#31 5A		X		
	#32 3A		X		
	#33 6A		X		
Component Cool Pumps	#31 5A	X			
	#32 2A	X			
	#33 6A	X			
Aux.Comp. Cool Pumps	#31 5A	X			
	#32 6A	X			
	#33 5A	X			
	#34 6A	X			

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Service Water Pumps	#31 5A		X		
(Essential Header)	#32 2A		X		
	#33 6A		X		
	#34 5A	X			
	#35 3A	X			
	#36 6A	X			
RHR Heat Exchange	#31		X		
	#32		X		
Comp.Cool Heat Exch.	#31	X			
	#32		X		
Hydrogen Recombiner	#31 5A		X		
	#32 6A		X		
VC Isolation					
(Phase A or B Valves which					
are not in proper position)					
High Head SIS Flow	#31 (GPM)	190			
	#32 (GPM)	190			
	#33 (GPM)	190			
	#34 (GPM)	190			
Low Head SIS Flow	#31 (GPM)	0			
	#32 (GPM)	0			
	#33 (GPM)	0			
	#34 (GPM)	0			
Accum. Level	#31 (%)	26			
	#32 (%)	23			
	#33 (%)	27			
	#34 (%)	18			
Gas Turbines	GT-1		X		
(Call Con Edison)	GT-2		X		
	GT-3		X		
Appendix 'R' D/G			X		

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM. S = Standby O = Operating OS = Out of Service

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1215

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 19

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Plant status per plant status log.	- E-1 - RCS pressure has decreased to accumulator injection. - EOF to be activated if not already activated. - Issue Contingency Message #19A if a SITE AREA EMERGENCY has not been declared by this time.	SAE (General Emergency at discretion of ED.)

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1215

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 19

* Plant status per plant status log.

- THIS IS A DRILL -

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1215

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 19A (CONTINGENCY)

* Declare a SITE AREA EMERGENCY at this time based on a LOCA resulting in a reactor trip on safety injection.

- THIS IS A DRILL -

#19

EP-FORM #31a

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER		TIME 1215	TIME	TIME	TIME	TIME
RCS Incore T/C Average	(°F)	450				
RCS Incore T/C Highest	(°F)	484				
RCS Average Temperature	(°F)	450				
RCS Pressure	(PSIG)	360				
SAT Meter Margin	(°F)	-42				
#RCP in Service	(0-4)	0				
Pressurizer Level	(%)	0				
Charging Flow	(gpm)	77				
S/G Levels #31 (Wide Range)	(%)	68				
#32 (Wide Range)	(%)	68				
#33 (Wide Range)	(%)	68				
#34 (Wide Range)	(%)	68				
S/G Pressure #31	(PSIG)	750				
#32	(PSIG)	750				
#33	(PSIG)	750				
#34	(PSIG)	750				
VC Pressure	(PSIG)	15				
Aux. FW Flow (Total)	(GPM)	0				
Cond.Storage Tank Level	(Ft.)	27.5				
VC Temperature	(°F)	>180				
VC Sump Level Elev	(Ft.in.)	46'2"				
Recirc.Sump Level	(Ft.in.)	78"				
RWST Level	(Ft.)	34.5'				
Spray Add. Tank	(%)	87				
VC Hydrogen	(%)	N/A				
VC Dew Point	(°F)	OFFSCALE				
FCU Weir Level	(in.)	>30				
Reactor Vessel Level	(%)	89				

NOTES:

JAN 3 1 1988

19

NOV 15 1990

EP-FORM #31b

IP-3 PLANT STATUS LOG

DATE: _____

PAGE 1 of 2

PARAMETER			TIME 1215	TIME	TIME	TIME	TIME
R-1	CCR	(mR/hr)	<0.1				
R-2	VC 80'	(mR/hr)	800				
R-4	Charging Pump	(mR/hr)	0.1				
R-5	FSB	(mR/hr)	0.4				
R-6	Sample Room	(mR/hr)	1.0				
R-7	VC Seal Table	(mR/hr)	1000				
R-8	Drum Station	(mR/hr)	1.0				
R-10	Steam Line Penetr.	(R/hr)	0.2				
R-11	VC Part	(KCPM)	OFFSCALE				
R-12	VC Gas	(KCPM)	500				
R-13	Vent Part	(KCPM)	2.9				
R-14	Vent Gas	(KCPM)	1.3				
R-15	Air Ejector	(CPM)	100				
R-16	FC Water	(KCPM)	20				
R-17a	Component Cooling	(CPM)	200				
R-17b	Component Cooling	(CPM)	200				
R-18	Liquid Waste (eff)	(KCPM)	10				
R-19	S/G Blowdown	(uCi/cc)	8.5				
R-23	FC Water	(KCPM)	5				
R-25	VC High Range 1-E8	(R/hr)	1.0				
R-26	VC High Range	(R/hr)	1.0				
R-27	Vent Monitor	(uCi/cc)	8E-7				
R-27	Vent Flow Rate	(CFM)	60K				
R-27	Vent Disch.Rate	(uCi/sec)	22				
R-59	RAMS Gas Eff.	(uCi/sec)	11				
R-62A/32	Main Steam	(uCi/cc)	8.3E-4				
R-62B/31	Main Steam	(uCi/cc)	2.1E-3				
R-62C/33	Main Steam	(uCi/cc)	2.1E-4				
R-62D/34	Main Steam	(uCi/cc)	4.1E-4				

JAN 31 1988

#19

EP-FORM #31b

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER	TIME 1215	TIME	TIME	TIME	TIME
R-63A/B Failed Fuel (uCi/cc)	0.1				
R-64 55' PAB (mR/hr)	0.1				
R-65 73' PAB (mR/hr)	0.1				
R-66 34' PAB (mR/hr)	0.2				
R-67 41' PAB (mR/hr)	0.3				
R-68 15' PAB (mR/hr)	0.4				
R-69 54' Pipe Pen (mR/hr)	10				
R-70 80' Fan House (mR/hr)	0.1				
Wind Speed (m/sec)					
Wind Direction (degrees)					
Pasquill Category (A-G)					
General Weather Conditions					

NOTES: Real time meteorological data is to be used.

JAN 31 1988

#19

EP-FORM #31c

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

TIME OF INFORMATION: 1215

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1		X		
	#32 4		X		
	#33 3		X		
	#34 2		X		
Emergency D/Gs	#31 2A	X			
	#32 6A			X	Annual PM
	#33 5A	X			
Offsite Power Avail.	138KV	X			
	13.8KV		X		13W930/S
SIS Pumps	#31 5A	X			
	#32 2A	X			
	#33 6A	X			
RHR Pumps	#31 3A	X			
	#32 6A	X			
Recirc. Pumps	#31 5A		X		
	#32 6A		X		
Aux.Boiler Feed Pumps	#31 3A	X			
	#32		X		
	#33 6A	X			
Fan Cooler Units	#31 5A	X			
	#32 2A	X			
	#33 5A	X			
	#34 3A	X			
	#35 6A	X			
Cont. Spray Pumps	#31 5A			X	P.T.
	#32 6A			X	Diesel
Charging Pumps	#31 5A	X			
	#32 3A		X		
	#33 6A		X		
Component Cool Pumps	#31 5A	X			
	#32 2A	X			
	#33 6A	X			
Aux.Comp. Cool Pumps	#31 5A	X			
	#32 6A	X			
	#33 5A	X			
	#34 6A	X			

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Service Water Pumps	#31 5A		X		
(Essential Header)	#32 2A		X		
	#33 6A		X		
	#34 5A	X			
	#35 3A	X			
	#36 6A	X			
RHR Heat Exchange	#31		X		
	#32		X		
Comp.Cool Heat Exch.	#31	X			
	#32		X		
Hydrogen Recombiner	#31 5A		X		
	#32 6A		X		
VC Isolation					
(Phase A or B Valves which					
are not in proper position)					
High Head SIS Flow	#31 (GPM)	250			
	#32 (GPM)	250			
	#33 (GPM)	250			
	#34 (GPM)	250			
Low Head SIS Flow	#31 (GPM)	0			
	#32 (GPM)	0			
	#33 (GPM)	0			
	#34 (GPM)	0			
Accum. Level	#31 (%)	0			
	#32 (%)	0			
	#33 (%)	0			
	#34 (%)	0			
Gas Turbines	GT-1		X		
(Call Con Edison)	GT-2		X		
	GT-3		X		
Appendix 'R' D/G			X		

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM. S = Standby O = Operating OS = Out of Service

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1230

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 20

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Plant status per plant status log.	- ES-1.2	SAE (G.E.)

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1230

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 20

* Plant status per plant status log.

- THIS IS A DRILL -

#20

EP-FORM #31a IP-3 PLANT STATUS LOG DATE: NOV 15 1989

PARAMETER	TIME 1230	TIME	TIME	TIME	TIME
RCS Incore T/C Average (°F)	430				
RCS Incore T/C Highest (°F)	475				
RCS Average Temperature (°F)	435				
RCS Pressure (PSIG)	340				
SAT Meter Margin (°F)	-25				
#RCP in Service (0-4)	0				
Pressurizer Level (%)	0				
Charging Flow (gpm)	77				
S/G Levels #31 (Wide Range) (%)	65				
#32 (Wide Range) (%)	65				
#33 (Wide Range) (%)	65				
#34 (Wide Range) (%)	65				
S/G Pressure #31 (PSIG)	700				
#32 (PSIG)	700				
#33 (PSIG)	700				
#34 (PSIG)	700				
VC Pressure (PSIG)	14				
Aux. FW Flow (Total) (GPM)	250				
Cond.Storage Tank Level (Ft.)	27.5				
VC Temperature (°F)	>180				
VC Sump Level Elev (Ft.in.)	46'2"				
Recirc.Sump Level (Ft.in.)	78"				
RWST Level (Ft.)	33.0				
Spray Add. Tank (%)	87				
VC Hydrogen (%)	N/A				
VC Dew Point (°F)	Offscale				
FCU Weir Level (in.)	>30				
Reactor Vessel Level (%)	84				

NOTES:

#20

NOV 15 1989

EP-FORM #31b

PAGE 1 of 2

IP-3 PLANT STATUS LOG

DATE: _____

PARAMETER			TIME 1230	TIME	TIME	TIME	TIME
R-1	CCR	(mR/hr)	<0.1				
R-2	VC 80'	(mR/hr)	800				
R-4	Charging Pump	(mR/hr)	0.1				
R-5	FSB	(mR/hr)	0.4				
R-6	Sample Room	(mR/hr)	1.0				
R-7	VC Seal Table	(mR/hr)	1000				
R-8	Drum Station	(mR/hr)	1.0				
R-10	Steam Line Penetr.	(R/hr)	0.2				
R-11	VC Part	(KCPM)	OFFSCALE				
R-12	VC Gas	(KCPM)	300				
R-13	Vent Part	(KCPM)	3.8				
R-14	Vent Gas	(KCPM)	1.7				
R-15	Air Ejector	(CPM)	100				
R-16	FC Water	(KCPM)	20				
R-17a	Component Cooling	(CPM)	200				
R-17b	Component Cooling	(CPM)	200				
R-18	Liquid Waste (eff)	(KCPM)	10				
R-19	S/G Blowdown	(uCi/cc)	8.5				
R-23	FC Water	(KCPM)	5				
R-25	VC High Range 1-E8	(R/hr)	1.0				
R-26	VC High Range	(R/hr)	1.0				
R-27	Vent Monitor	(uCi/cc)	1E-6				
R-27	Vent Flow Rate	(CFM)	60K				
R-27	Vent Disch.Rate	(uCi/sec)	28				
R-59	RAMS Gas Eff.	(uCi/sec)	11				
R-62A/32	Main Steam	(uCi/cc)	8.3E-4				
R-62B/31	Main Steam	(uCi/cc)	2.1E-3				
R-62C/33	Main Steam	(uCi/cc)	2.1E-4				
R-62D/34	Main Steam	(uCi/cc)	4.1E-4				

JAN 31 1988

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NOV 15 1989

EP-FORM #31b

IP-3 PLANT STATUS LOG

DATE: _____

PARAMETER	TIME 1230	TIME	TIME	TIME	TIME
R-63A/B Failed Fuel (uCi/cc)	0.1				
R-64 55' PAB (mR/hr)	0.1				
R-65 73' PAB (mR/hr)	0.1				
R-66 34' PAB (mR/hr)	0.2				
R-67 41' PAB (mR/hr)	0.3				
R-68 15' PAB (mR/hr)	0.4				
R-69 54' Pipe Pen (mR/hr)	10				
R-70 80' Fan House (mR/hr)	0.1				
Wind Speed (m/sec)					
Wind Direction (degrees)					
Pasquill Category (A-G)					
General Weather Conditions					

NOTES: Real time meteorological data is to be used.

JAN 31 1988

#20

EP-FORM #31c

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

TIME OF INFORMATION: 1230

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1		X		
	#32 4		X		
	#33 3		X		
	#34 2		X		
Emergency D/Gs	#31 2A	X			
	#32 6A			X	Annual PM
	#33 5A	X			
Offsite Power Avail.	138KV	X			
	13.8KV		X		13W93 o/s
SIS Pumps	#31 5A	X			
	#32 2A	X			
	#33 6A	X			
RHR Pumps	#31 3A		X		
	#32 6A		X		
Recirc. Pumps	#31 5A		X		
	#32 6A		X		
Aux.Boiler Feed Pumps	#31 3A	X			
	#32		X		
	#33 6A	X			
Fan Cooler Units	#31 5A	X			
	#32 2A	X			
	#33 5A	X			
	#34 3A	X			
	#35 6A	X			
Cont. Spray Pumps	#31 5A			X	PT
	#32 6A			X	Diesel
Charging Pumps	#31 5A	X			
	#32 3A		X		
	#33 6A		X		
Component Cool Pumps	#31 5A	X			
	#32 2A	X			
	#33 6A	X			
Aux.Comp. Cool Pumps	#31 5A	X			
	#32 6A	X			
	#33 5A	X			
	#34 6A	X			

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Service Water Pumps	#31 5A		X		
(Essential Header)	#32 2A		X		
	#33 6A		X		
	#34 5A	X			
	#35 3A	X			
	#36 6A	X			
RHR Heat Exchange	#31		X		
	#32		X		
Comp.Cool Heat Exch.	#31	X			
	#32		X		
Hydrogen Recombiner	#31 5A		X		
	#32 6A		X		
VC Isolation					
(Phase A or B Valves which					
are not in proper position)					
High Head SIS Flow	#31 (GPM)	250			
	#32 (GPM)	250			
	#33 (GPM)	250			
	#34 (GPM)	250			
Low Head SIS Flow	#31 (GPM)	0			
	#32 (GPM)	0			
	#33 (GPM)	0			
	#34 (GPM)	0			
Accum. Level	#31 (%)	0			
	#32 (%)	0			
	#33 (%)	0			
	#34 (%)	0			
Gas Turbines	GT-1		X		
(Call Con Edison)	GT-2		X		
	GT-3		X		
Appendix 'R' D/G			X		

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM. S = Standby O = Operating OS = Out of Service

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1245

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 21

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Plant status per plant status log.	- ES-1.2 - Monitor RWST level decrease.	SAE (G.E.)

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1245

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 21

* Plant status per plant status log.

- THIS IS A DRILL -

#21

EP-FORM #31a IP-3 PLANT STATUS LOG DATE: NOV 15 1989

PARAMETER		TIME 1245	TIME	TIME	TIME	TIME
RCS Incore T/C Average	(°F)	415				
RCS Incore T/C Highest	(°F)	460				
RCS Average Temperature	(°F)	420				
RCS Pressure	(PSIG)	320				
SAT Meter Margin	(°F)	-23				
#RCP in Service	(0-4)	0				
Pressurizer Level	(%)	0				
Charging Flow	(gpm)	77				
S/G Levels #31 (Wide Range)	(%)	63				
#32 (Wide Range)	(%)	63				
#33 (Wide Range)	(%)	63				
#34 (Wide Range)	(%)	63				
S/G Pressure #31	(PSIG)	670				
#32	(PSIG)	670				
#33	(PSIG)	670				
#34	(PSIG)	670				
VC Pressure	(PSIG)	13				
Aux. FW Flow (Total)	(GPM)	200				
Cond.Storage Tank Level	(Ft.)	27.0				
VC Temperature	(°F)	>180				
VC Sump Level Elev	(Ft.in.)	46'2"				
Recirc.Sump Level	(Ft.in.)	78"				
RWST Level	(Ft.)	31.5				
Spray Add. Tank	(%)	87				
VC Hydrogen	(%)	N/A				
VC Dew Point	(°F)	Offscale				
FCU Weir Level	(in.)	>30				
Reactor Vessel Level	(%)	81				

NOTES:

21

NOV 15 1989

EP-FORM #31b

IP-3 PLANT STATUS LOG

DATE: _____

PAGE 1 of 2

PARAMETER			TIME 1245	TIME	TIME	TIME	TIME
R-1	CCR	(mR/hr)	<0.1				
R-2	VC 80'	(mR/hr)	800				
R-4	Charging Pump	(mR/hr)	0.1				
R-5	FSB	(mR/hr)	0.4				
R-6	Sample Room	(mR/hr)	1.0				
R-7	VC Seal Table	(mR/hr)	1000				
R-8	Drum Station	(mR/hr)	1.0				
R-10	Steam Line Penetr.	(R/hr)	0.2				
R-11	VC Part	(KCPM)	OFFSCALE				
R-12	VC Gas	(KCPM)	300				
R-13	Vent Part	(KCPM)	5.5				
R-14	Vent Gas	(KCPM)	1.5				
R-15	Air Ejector	(CPM)	100				
R-16	FC Water	(KCPM)	20				
R-17a	Component Cooling	(CPM)	200				
R-17b	Component Cooling	(CPM)	200				
R-18	Liquid Waste (eff)	(KCPM)	10				
R-19	S/G Blowdown	(uCi/cc)	8.5				
R-23	FC Water	(KCPM)	5				
R-25	VC High Range 1-E8	(R/hr)	1.0				
R-26	VC High Range	(R/hr)	1.0				
R-27	Vent Monitor	(uCi/cc)	1.5E-6				
R-27	Vent Flow Rate	(CFM)	60K				
R-27	Vent Disch.Rate	(uCi/sec)	42				
R-59	RAMS Gas Eff.	(uCi/sec)	11				
R-62A/32	Main Steam	(uCi/cc)	8.3E-4				
R-62B/31	Main Steam	(uCi/cc)	2.1E-3				
R-62C/33	Main Steam	(uCi/cc)	2.1E-4				
R-62D/34	Main Steam	(uCi/cc)	4.1E-4				

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#21

NOV 15 1989

EP-FORM #31b

IP-3 PLANT STATUS LOG

DATE: _____

PAGE 2 of 2

PARAMETER	TIME 1245	TIME	TIME	TIME	TIME
R-63A/B Failed Fuel (uCi/cc)	0.1				
R-64 55' PAB (mR/hr)	0.1				
R-65 73' PAB (mR/hr)	0.1				
R-66 34' PAB (mR/hr)	0.2				
R-67 41' PAB (mR/hr)	0.3				
R-68 15' PAB (mR/hr)	0.4				
R-69 54' Pipe Pen (mR/hr)	10				
R-70 80' Fan House (mR/hr)	0.1				
Wind Speed (m/sec)					
Wind Direction (degrees)					
Pasquill Category (A-G)					
General Weather Conditions					

NOTES: Real time meteorological data is to be used.

JAN 31 1988

#21

EP-FORM #31c

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

TIME OF INFORMATION: 1245

PARAMETER		BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31	1		X		
	#32	4		X		
	#33	3		X		
	#34	2		X		
Emergency D/Gs	#31	2A		X		
	#32	6A			X	Annual PM
	#33	5A		X		
Offsite Power Avail.	138KV		X			
	13.8KV			X		13W93 o/s
SIS Pumps	#31	5A	X			
	#32	2A	X			
	#33	6A	X			
RHR Pumps	#31	3A		X		
	#32	6A		X		
Recirc. Pumps	#31	5A		X		
	#32	6A		X		
Aux.Boiler Feed Pumps	#31	3A	X			
	#32			X		
	#33	6A	X			
Fan Cooler Units	#31	5A	X			
	#32	2A	X			
	#33	5A	X			
	#34	3A	X			
	#35	6A	X			
Cont. Spray Pumps	#31	5A			X	PT
	#32	6A			X	Diesel
Charging Pumps	#31	5A	X			
	#32	3A		X		
	#33	6A		X		
Component Cool Pumps	#31	5A	X			
	#32	2A	X			
	#33	6A	X			
Aux.Comp. Cool Pumps	#31	5A	X			
	#32	6A	X			
	#33	5A	X			
	#34	6A	X			

PARAMETER		BUS #	STATUS O	S	OS	REMARKS
Service Water Pumps	#31	5A	X			
(Essential Header)	#32	2A		X		
	#33	6A	X			
	#34	5A	X			
	#35	3A	X			
	#36	6A		X		
RHR Heat Exchange	#31			X		
	#32			X		
Comp.Cool Heat Exch.	#31		X			
	#32			X		
Hydrogen Recombiner	#31	5A		X		
	#32	6A		X		
VC Isolation						
(Phase A or B Valves which						
are not in proper position)						
High Head SIS Flow	#31	(GPM)	260			
	#32	(GPM)	260			
	#33	(GPM)	260			
	#34	(GPM)	260			
Low Head SIS Flow	#31	(GPM)	0			
	#32	(GPM)	0			
	#33	(GPM)	0			
	#34	(GPM)	0			
Accum. Level	#31	(%)	0			
	#32	(%)	0			
	#33	(%)	0			
	#34	(%)	0			
Gas Turbines	GT-1			X		
(Call Con Edison)	GT-2			X		
	GT-3			X		
Appendix 'R' D/G				X		

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM. S = Standby O = Operating OS = Out of Service

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1300

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 22

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- Plant status per plant status log.	- ES-1.2	SAE (G.E.)

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1300

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 22

* Plant status per plant status log.

- THIS IS A DRILL -

#22

EP-FORM #31a IP-3 PLANT STATUS LOG DATE: NOV 15 1989

PARAMETER	TIME 1300	TIME	TIME	TIME	TIME
RCS Incore T/C Average (°F)	395				
RCS Incore T/C Highest (°F)	440				
RCS Average Temperature (°F)	400				
RCS Pressure (PSIG)	300				
SAT Meter Margin (°F)	-16				
#RCP in Service (0-4)	0				
Pressurizer Level (%)	10				
Charging Flow (gpm)	77				
S/G Levels #31 (Wide Range) (%)	60				
#32 (Wide Range) (%)	60				
#33 (Wide Range) (%)	60				
#34 (Wide Range) (%)	60				
S/G Pressure #31 (PSIG)	650				
#32 (PSIG)	650				
#33 (PSIG)	650				
#34 (PSIG)	650				
VC Pressure (PSIG)	12.0				
Aux. FW Flow (Total) (GPM)	200				
Cond.Storage Tank Level (Ft.)	26.5				
VC Temperature (°F)	>180				
VC Sump Level Elev (Ft.in.)	46'2"				
Recirc.Sump Level (Ft.in.)	78"				
RWST Level (Ft.)	30.0				
Spray Add. Tank (%)	87				
VC Hydrogen (%)	N/A				
VC Dew Point (°F)	Offscale				
FCU Weir Level (in.)	>30				
Reactor Vessel Level (%)	78				

NOTES:

#22

NOV 15 1989

EP-FORM #31b

IP-3 PLANT STATUS LOG

DATE: _____

PAGE 1 of 2

PARAMETER			TIME 1300	TIME	TIME	TIME	TIME
R-1	CCR	(mR/hr)	<0.1				
R-2	VC 80'	(mR/hr)	800				
R-4	Charging Pump	(mR/hr)	0.1				
R-5	FSB	(mR/hr)	0.4				
R-6	Sample Room	(mR/hr)	1.0				
R-7	VC Seal Table	(mR/hr)	1000				
R-8	Drum Station	(mR/hr)	1.0				
R-10	Steam Line Penetr.	(R/hr)	0.2				
R-11	VC Part	(KCPM)	OFFSCALE				
R-12	VC Gas	(KCPM)	300				
R-13	Vent Part	(KCPM)	0.5				
R-14	Vent Gas	(KCPM)	1.1				
R-15	Air Ejector	(CPM)	100				
R-16	FC Water	(KCPM)	20				
R-17a	Component Cooling	(CPM)	200				
R-17b	Component Cooling	(CPM)	200				
R-18	Liquid Waste (eff)	(KCPM)	10				
R-19	S/G Blowdown	(uCi/cc)	8.5				
R-23	FC Water	(KCPM)	5				
R-25	VC High Range 1-E8	(R/hr)	1.0				
R-26	VC High Range	(R/hr)	1.0				
R-27	Vent Monitor	(uCi/cc)	2.9E-7				
R-27	Vent Flow Rate	(CFM)	60K				
R-27	Vent Disch.Rate	(uCi/sec)	8				
R-59	RAMS Gas Eff.	(uCi/sec)	11				
R-62A/32	Main Steam	(uCi/cc)	8.3E-4				
R-62B/31	Main Steam	(uCi/cc)	2.1E-3				
R-62C/33	Main Steam	(uCi/cc)	2.1E-4				
R-62D/34	Main Steam	(uCi/cc)	4.1E-4				

JAN 31 1988

#22

EP-FORM #31b

PAGE 2 of 2

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PARAMETER	TIME 1300	TIME	TIME	TIME	TIME
R-63A/B Failed Fuel (uCi/cc)	0.1				
R-64 55' PAB (mR/hr)	0.1				
R-65 73' PAB (mR/hr)	0.1				
R-66 34' PAB (mR/hr)	0.2				
R-67 41' PAB (mR/hr)	0.3				
R-68 15' PAB (mR/hr)	0.4				
R-69 54' Pipe Pen (mR/hr)	10				
R-70 80' Fan House (mR/hr)	0.1				
Wind Speed (m/sec)					
Wind Direction (degrees)					
Pasquill Category (A-G)					
General Weather Conditions					

NOTES: Real time meteorological data is to be used.

JAN 31 1988

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1315

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 23

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- 1 day time advance.		
	- Plant status per plant status log.		
	- Internal recirculation has been established.	- ES-1.3	

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1315

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 23

* A one day time advance has occurred.
* Plant status per plant status log.
* Internal recirculation has been established.

- THIS IS A DRILL -

#23

EP-FORM #31a

IP-3 PLANT STATUS LOG

One day later

DATE: NOV 15 1989

PARAMETER		TIME 1315	TIME	TIME	TIME	TIME
RCS Incore T/C Average	(°F)	215				
RCS Incore T/C Highest	(°F)	217				
RCS Average Temperature	(°F)	210				
RCS Pressure	(PSIG)	5				
SAT Meter Margin	(°F)	0				
#RCP in Service	(0-4)	0				
Pressurizer Level	(%)	100				
Charging Flow	(gpm)	77				
S/G Levels #31 (Wide Range)	(%)	69				
#32 (Wide Range)	(%)	64				
#33 (Wide Range)	(%)	67				
#34 (Wide Range)	(%)	61				
S/G Pressure #31	(PSIG)	70				
#32	(PSIG)	80				
#33	(PSIG)	70				
#34	(PSIG)	90				
VC Pressure	(PSIG)	1.0				
Aux. FW Flow (Total)	(GPM)	140				
Cond.Storage Tank Level	(Ft.)	24.5				
VC Temperature	(°F)	>180				
VC Sump Level Elev	(Ft.in.)	50'11"				
Recirc.Sump Level	(Ft.in.)	51'8"				
RWST Level	(Ft.)	4.5'				
Spray Add. Tank	(%)	34				
VC Hydrogen	(%)	N/A				
VC Dew Point	(°F)	Offscale				
FCU Weir Level	(in.)	8.5				
Reactor Vessel Level	(%)	100				

NOTES:

#23

EP-FORM #31b

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

PAGE 1 of 2

One day later

PARAMETER			TIME 1315	TIME	TIME	TIME	TIME
R-1	CCR	(mR/hr)	<0.1				
R-2	VC 80'	(mR/hr)	600				
R-4	Charging Pump	(mR/hr)	0.1				
R-5	FSB	(mR/hr)	0.4				
R-6	Sample Room	(mR/hr)	1.0				
R-7	VC Seal Table	(mR/hr)	800				
R-8	Drum Station	(mR/hr)	1.0				
R-10	Steam Line Penetr.	(R/hr)	0.1				
R-11	VC Part	(KCPM)	500				
R-12	VC Gas	(KCPM)	230				
R-13	Vent Part	(KCPM)	0.5				
R-14	Vent Gas	(KCPM)	1.1				
R-15	Air Ejector	(CPM)	100				
R-16	FC Water	(KCPM)	20				
R-17a	Component Cooling	(CPM)	200				
R-17b	Component Cooling	(CPM)	200				
R-18	Liquid Waste (eff)	(KCPM)	10				
R-19	S/G Blowdown	(uCi/cc)	8.5				
R-23	FC Water	(KCPM)	5				
R-25	VC High Range 1-E8	(R/hr)	800				
R-26	VC High Range	(R/hr)	800				
R-27	Vent Monitor	(uCi/cc)	2.9E-7				
R-27	Vent Flow Rate	(CFM)	60K				
R-27	Vent Disch.Rate	(uCi/sec)	8				
R-59	RAMS Gas Eff.	(uCi/sec)	11				
R-62A/32	Main Steam	(uCi/cc)	8.3E-4				
R-62B/31	Main Steam	(uCi/cc)	2.1E-3				
R-62C/33	Main Steam	(uCi/cc)	2.1E-4				
R-62D/34	Main Steam	(uCi/cc)	4.1E-4				

JAN 31 1988

#23

EP-FORM #31b

PAGE 2 of 2

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

One day later

PARAMETER	TIME 1315	TIME	TIME	TIME	TIME
R-63A/B Failed Fuel (uCi/cc)	0.1				
R-64 55' PAB (mR/hr)	0.1				
R-65 73' PAB (mR/hr)	0.1				
R-66 34' PAB (mR/hr)	0.2				
R-67 41' PAB (mR/hr)	0.3				
R-68 15' PAB (mR/hr)	0.4				
R-69 54' Pipe Pen (mR/hr)	6.0				
R-70 80' Fan House (mR/hr)	0.1				
Wind Speed (m/sec)					
Wind Direction (degrees)					
Pasquill Category (A-G)					
General Weather Conditions					

NOTES: Real time meteorological data is to be used.

JAN 31 1988

#23

EP-FORM #31c

IP-3 PLANT STATUS LOG

DATE: NOV 15 1989

TIME OF INFORMATION: 1315

One day later

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1		X		
	#32 4		X		
	#33 3		X		
	#34 2		X		
Emergency D/Gs	#31 2A		X		
	#32 6A		X		
	#33 5A		X		
Offsite Power Avail.	138KV	X			
	13.8KV		X		
SIS Pumps	#31 5A		X		
	#32 2A		X		
	#33 6A		X		
RHR Pumps	#31 3A		X		
	#32 6A		X		
Recirc. Pumps	#31 5A		X		
	#32 6A	X			
Aux.Boiler Feed Pumps	#31 3A	X			
	#32		X		
	#33 6A	X			
Fan Cooler Units	#31 5A	X			
	#32 2A	X			
	#33 5A	X			
	#34 3A	X			
	#35 6A	X			
Cont. Spray Pumps	#31 5A		X		
	#32 6A		X		
Charging Pumps	#31 5A	X			
	#32 3A		X		
	#33 6A		X		
Component Cool Pumps	#31 5A	X			
	#32 2A	X			
	#33 6A	X			
Aux.Comp. Cool Pumps	#31 5A		X		
	#32 6A		X		
	#33 5A		X		
	#34 6A		X		

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Service Water Pumps	#31 5A	X			
(Essential Header)	#32 2A		X		
	#33 6A	X			
	#34 5A	X			
	#35 3A	X			
	#36 6A		X		
RHR Heat Exchange	#31	X			
	#32	X			
Comp.Cool Heat Exch.	#31	X			
	#32	X			
Hydrogen Recombiner	#31 5A		X		
	#32 6A		X		
VC Isolation					
(Phase A or B Valves which					
are not in proper position)					
High Head SIS Flow	#31 (GPM)	0			
	#32 (GPM)	0			
	#33 (GPM)	0			
	#34 (GPM)	0			
Low Head SIS Flow	#31 (GPM)	350			
	#32 (GPM)	350			
	#33 (GPM)	350			
	#34 (GPM)	350			
Accum. Level	#31 (%)	0			
	#32 (%)	0			
	#33 (%)	0			
	#34 (%)	0			
Gas Turbines	GT-1		X		
(Call Con Edison)	GT-2		X		
	GT-3		X		
Appendix 'R' D/G			X		

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM. S = Standby O = Operating OS = Out of Service

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1330

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 24

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR & All Controllers	- The Exercise is terminated.	- Collect all logs, notes, and data.	

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE

DATE: November 15, 1989 TIME: 1330

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 24

* The exercise is terminated.

- THIS IS A DRILL -

SECTION 6

FIELD REPORTS

NEW YORK POWER AUTHORITY

INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1989 NRC OBSERVED PARTIAL EXERCISE

NOVEMBER 15, 1989

IP-3 PARTIAL EXERCISE
NOVEMBER 15, 1989
FIELD REPORT # 1

Time: 0800

Location: At #31 VC Spray Pump

Information to be provided to: Performance Test Team

General Area Rad. Levels: As Read

Specific Area Rad. Levels: As Read

Visual Description at Scene:

Valve stem for MOV-866A catastrophically fails when valve is actuated to open from the Control Room. Valve is still closed.

Instructions to Controller/Observer:

Repair Team should obtain procedures, approvals, parts, tools, etc. needed to affect the repairs. However, any attempts to repair valve will be unsuccessful until the end of the exercise.

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE
NOVEMBER 15, 1989
FIELD REPORT # 2

Time: 0800

Location: At #32 EDG

Information to be provided to: Maintenance Team

General Area Rad. Levels: As Read

Specific Area Rad. Levels: As Read

Visual Description at Scene:

#32 EDG out of service for annual P.M. All lubricating oil has been drained from EDG for replacement.

Instructions to Controller/Observer:

If EDG is requested to be returned to service it will take approximately 5 hours to be made operable.

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE
NOVEMBER 15, 1989
FIELD REPORT # 3

Time: 0930

Location: PAB 80' Airlock

Information to be provided to: V.C. Entry Team

General Area Rad. Levels: As Read

Specific Area Rad. Levels: As Read

Visual Description at Scene:

V.C. entry team at 80' airlock properly suited for V.C. entry.

Instructions to Controller/Observer:

Inform team that V.C. evacuation alarm tests satisfactorily.

Entry into V.C. is to be simulated.

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE
NOVEMBER 15, 1989
FIELD REPORT # 4

Time: 0940

Location: PAB 80' Airlock

Information to be provided to: V.C. Entry Team

General Area Rad. Levels: As Read

Specific Area Rad. Levels: As Read

Visual Description at Scene:

V.C. entry team has just exited containment and closed and locked the airlock. While in V.C., a team member has fallen and broken his ankle. He has been brought out of the airlock by the other members of the entry team.

Instructions to Controller/Observer:

Inform V.C. entry team that they have observed a continuous leak, originating behind lagging at the RHR suction connection on #32 RCS hot leg, and containment has been properly exited and closed.

See Medical Drill Scenario

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE
NOVEMBER 15, 1989
FIELD REPORT # 5

Time: 1005

Location: 33' Elevation Cable Spreading Room.

Information to be provided to: Fire Brigade Leader

General Area Rad. Levels: As Read

Specific Area Rad. Levels: As Read

Visual Description at Scene:

Strong wintergreen odor in area.

Red beacon is flashing.

Alarm is sounding.

Instructions to Controller/Observer:

After Fire Brigade is in room, indicate the following:

- Fire is out.
- MCC-39 is severely fire damaged.
- electric cables near and to the east of MCC-39 have significant damage.

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE
NOVEMBER 15, 1989
FIELD REPORT # 6

Time: 1130

Location: PAB 41' Elevation Pipe Pen.

Information to be provided to: Nuclear NPO

General Area Rad. Levels: As read.

Specific Area Rad. Levels: As read.

Visual Description at Scene:

While on rounds you see that a gas cylinder has fallen from the 67' elevation pipe pen to the 41' elevation. It has severely dented a PACVS pipe (containment side of isolation valve PS-7) which resulted in a fracture in the pipe wall and a crack in one bonnet-to-body bolt on the valve.

Instructions to Controller/Observer:

Inform NPO that he suspects the pipe is leaking.

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE
NOVEMBER 15, 1989
FIELD REPORT # 7

Time: Approximately 1145 or upon arrival of Repair Team.

Location: PAB 41' Elevation Pipe Pen.

Information to be provided to: Repair Team

General Area Rad. Levels: As read until 1200 hrs.; then see maps for readings.

Specific Area Rad. Levels: As read until 1200 hrs.; then see maps for readings.

Visual Description at Scene:

A PACVS pipe is severely dented (containment side of isolation valve PS-7) resulting in a fracture in the pipe wall. One nut on a bonnet-to-body bolt on valve PS-7 is cracked.

Instructions to Controller/Observer:

Allow Repair Team to repair pipe and valve only after appropriate remedial actions have been determined and approved, and after required tools and parts have been obtained and brought to the work site. If repairs have not been completed by 1300 hours, instruct Repair Team to report to OSC that repairs are completed.

See Section 7 IV. for air sample and dose rates.

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

IP-3 PARTIAL EXERCISE
NOVEMBER 15, 1989
FIELD REPORT # 8

Time: ~ 0845

Location: 69' Pipe Pen

Information to be provided to: Watch H.P. and Watch Chemist

General Area Rad. Levels: As read.

Specific Area Rad. Levels: As read.

R-11/12 V.C. ENTRY AIR SAMPLE AND MARINELLI DATA

R-11/12 Particulate: Nuclide - Rb-88
Decay Corrected (uCi/cc) - 4.51E-7

Total Activity: 4.51E-7 uCi/cc

R-11/12 Charcoal: No nuclides identified.

R-11/12 Gas Marinelli: Fission Gas

Nuclide	uCi/Unit
Ar-41	1.73E-6
Xe-131M	1.20E-5
Xe-133	8.72E-4
Xe-133M	1.12E-5
Xe-135	1.86E-5
Kr-85	9.28E-7

Total Activity: 9.16E-4 uCi/Unit

Instructions to Controller/Observer:

Results given to Players at 0915.

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY. THIS PAGE WILL NOT BE HANDED TO EXERCISE PLAYERS.

SECTION 7

RADIOLOGICAL DATA

NEW YORK POWER AUTHORITY

INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1989 NRC OBSERVED PARTIAL EXERCISE

NOVEMBER 15, 1989

I. OVERVIEW

II. ACCIDENT ISOTOPIC DISTRIBUTIONS

- a. RCS EQUILIBRIUM ACTIVITY
- b. CONTAINMENT EQUILIBRIUM ACTIVITY
- c. PLANT VENT EQUILIBRIUM ACTIVITY
- d. POST LOCA SAMPLES

III. INPLANT SURVEY MAPS

SECTION 7

INDIAN POINT NO. 3 NUCLEAR POWER PLANT
1989 NRC OBSERVED PARTIAL EXERCISE
NOVEMBER 15, 1989

I. OVERVIEW

This scenario sequence does not incorporate a release of radiological material affecting areas outside of the Radiologically Controlled Area. As such, real-time ("as read") data will be utilized for the following parameters/indications:

- Site Perimeter Surveys
- Reuter-Stokes Monitors
- Offsite Surveys
- Assembly Area Readings
- Technical Support Center Radiation Monitor Readings

Participants are expected to follow appropriate procedures and demonstrate their ability to obtain such data. Once they have done this, they will be advised that the "as read" data is the information on which to base their response actions.

RCS EQUILIBRIUM ACTIVITY
November 15, 1989 0100

TABLE IIa.

Fission Gas

Ar-41	4.377e-03	uCi/ml
Xe-133	3.178e-02	uCi/ml
Xe-135	1.712e-02	uCi/ml
Xe-135m	2.470e-03	uCi/ml
Xe-138	5.773e-03	uCi/ml
Kr-85m	2.174e-03	uCi/ml
Kr-88	6.533e-03	uCi/ml
Subtotal	7.023e-02	uCi/ml

Activation Product

Na-24	1.061e-03	uCi/ml
Mn-54	7.621e-04	uCi/ml
Subtotal	1.823e-03	uCi/ml

Fission Product

Rb-88	1.859e-02	uCi/ml
I-131	1.029e-03	uCi/ml
I-132	3.299e-03	uCi/ml
I-133	3.142e-03	uCi/ml
I-134	5.456e-03	uCi/ml
I-135	4.082e-03	uCi/ml
Y-88	1.991e-03	uCi/ml
Cs-138	1.179e-02	uCi/ml
Subtotal	4.938e-02	uCi/ml
Total Activity	1.214e-01	uCi/ml

CONTAINMENT EQUILIBRIUM ACTIVITY TABLE IIb.
November 15, 1989 0200

Ar-41	5.433e-07	uCi/cc
Xe-131m	2.094e-06	uCi/cc
Xe-133	1.508e-04	uCi/cc
Xe-135	1.837e-06	uCi/cc
Kr-85m	9.207e-08	uCi/cc
Total	1.554e-04	uCi/cc

PLANT VENT EQUILIBRIUM ACTIVITY TABLE IIc.
November 15, 1989 0130

Xe-133	5.000e-08	uCi/cc
Total	5.000e-08	uCi/cc

TABLE IId.
POST LOCA SAMPLES
NOVEMBER 15, 1989 @ 1300

NUCLIDE	VC ATMOSPHERE CONCENTRATION (uCi/cc)	VC SUMP CONCENTRATION (uCi/cc)	PV CONCENTRATION (uCi/cc)
Kr-85	4.06E-05	3.17E-03	6.75E-08
Kr-87	2.35E-05	1.84E-03	3.93E-08
Kr-88	5.30E-05	4.14E-03	8.85E-08
Xe-131m	1.35E-04	1.06E-02	2.26E-07
Xe-133	6.77E-04	5.29E-02	1.1 E-06
I-131	2.70E-06	4.00E-03	
I-133	3.27E-06	4.86E-03	
I-135	3.05E-06	4.52E-03	
Noble Gas	9.29E-04	7.26E-02	1.55E-6
Iodine	9.01E-06	1.34E-02	
Total	9.39E-04	8.60E-02	1.55E-6

CHEMISTRY SAMPLES
ONE DAY LATER
NOVEMBER 16, 1989 @ 1200

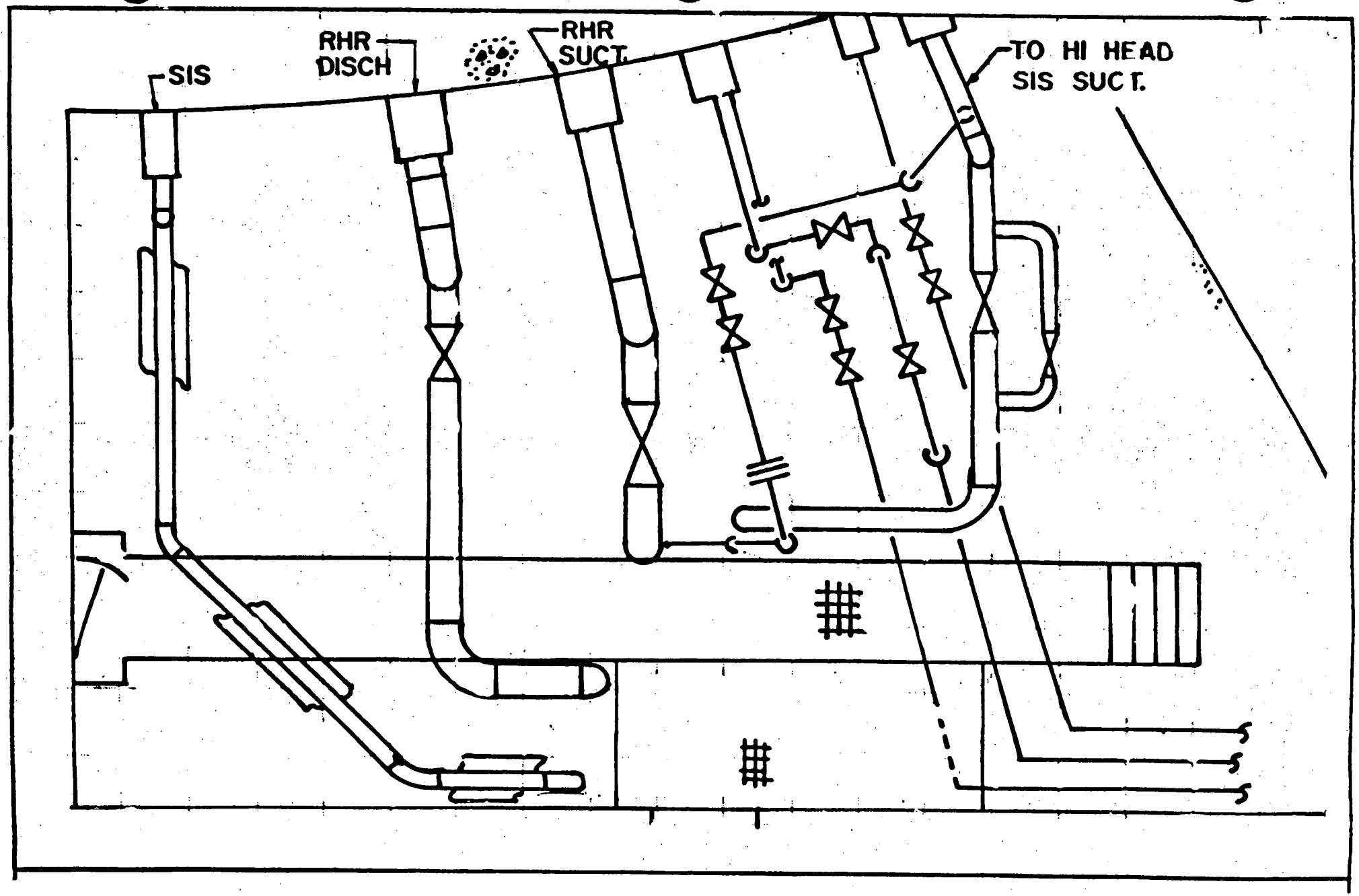
NUCLIDE	VC ATMOSPHERE CONCENTRATION (uCi/cc)	VC SUMP CONCENTRATION (uCi/cc)
Kr-85	4.06E-05	3.17E-03
Kr-88		1.51E-05
Xe-131m	1.37E-04	1.07E-02
Xe-133	6.59E-04	5.14E-02
I-131	2.48E-06	3.68E-03
I-133	1.52E-06	2.26E-03
I-135		4.04E-04
Noble Gas	8.36E-04	6.53E-02
Iodine	4.00E-06	6.35E-03
Total	8.40E-04	7.16E-02

III. INPLANT SURVEY MAPS

All inplant radiological survey readings will be "as read" except in the following locations:

- Pipe Penetration - 54' Elevation
- Pipe Penetration - 41' Elevation
- Onsite Area Map

Maps of these areas indicating scenario radiation levels for use by the Controllers/Observers to follow.

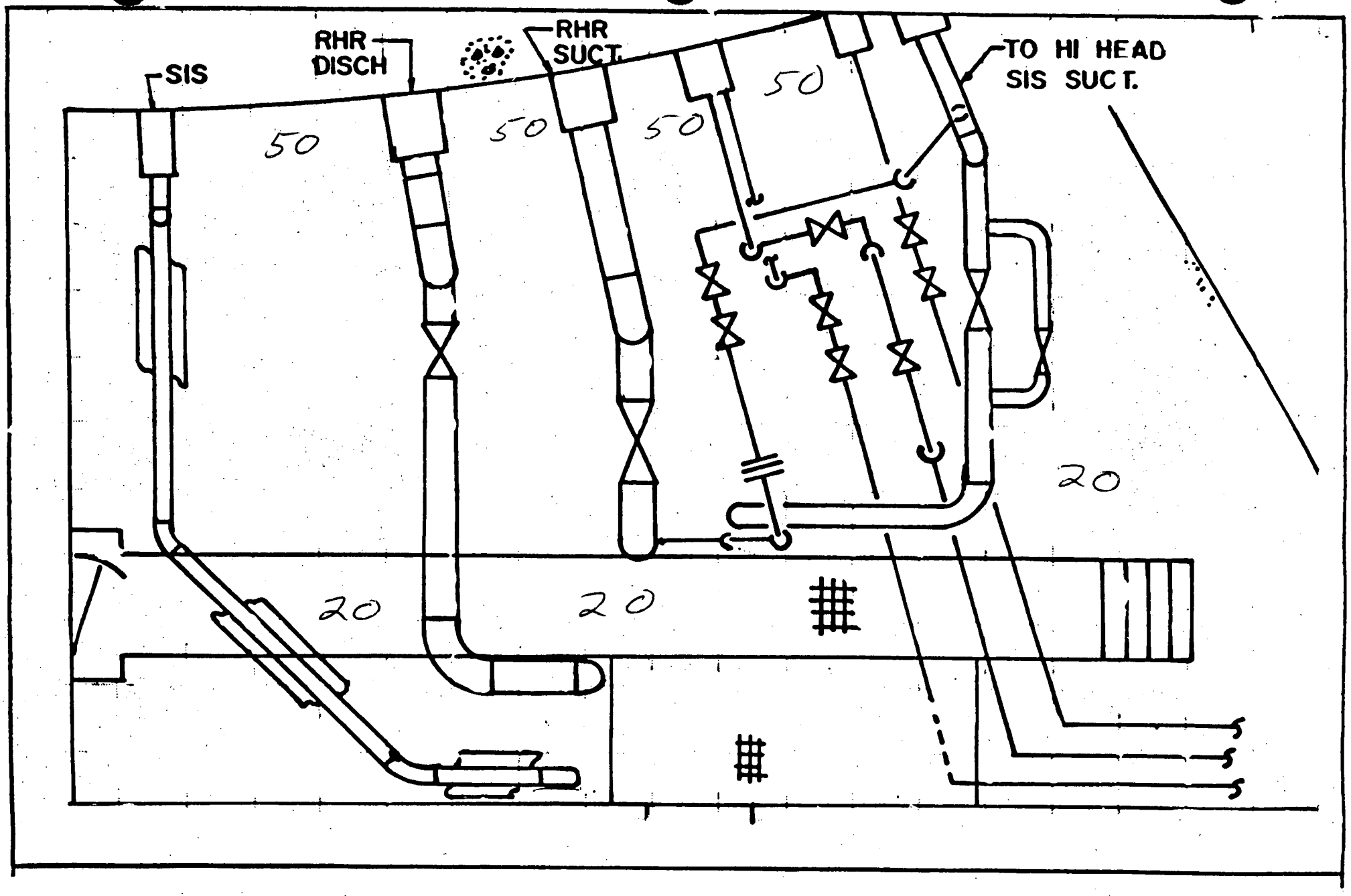


Pipe Penetration
54' Elevation

TIME: 0745 – 1200

ALL READINGS ARE IN "mR/hr"

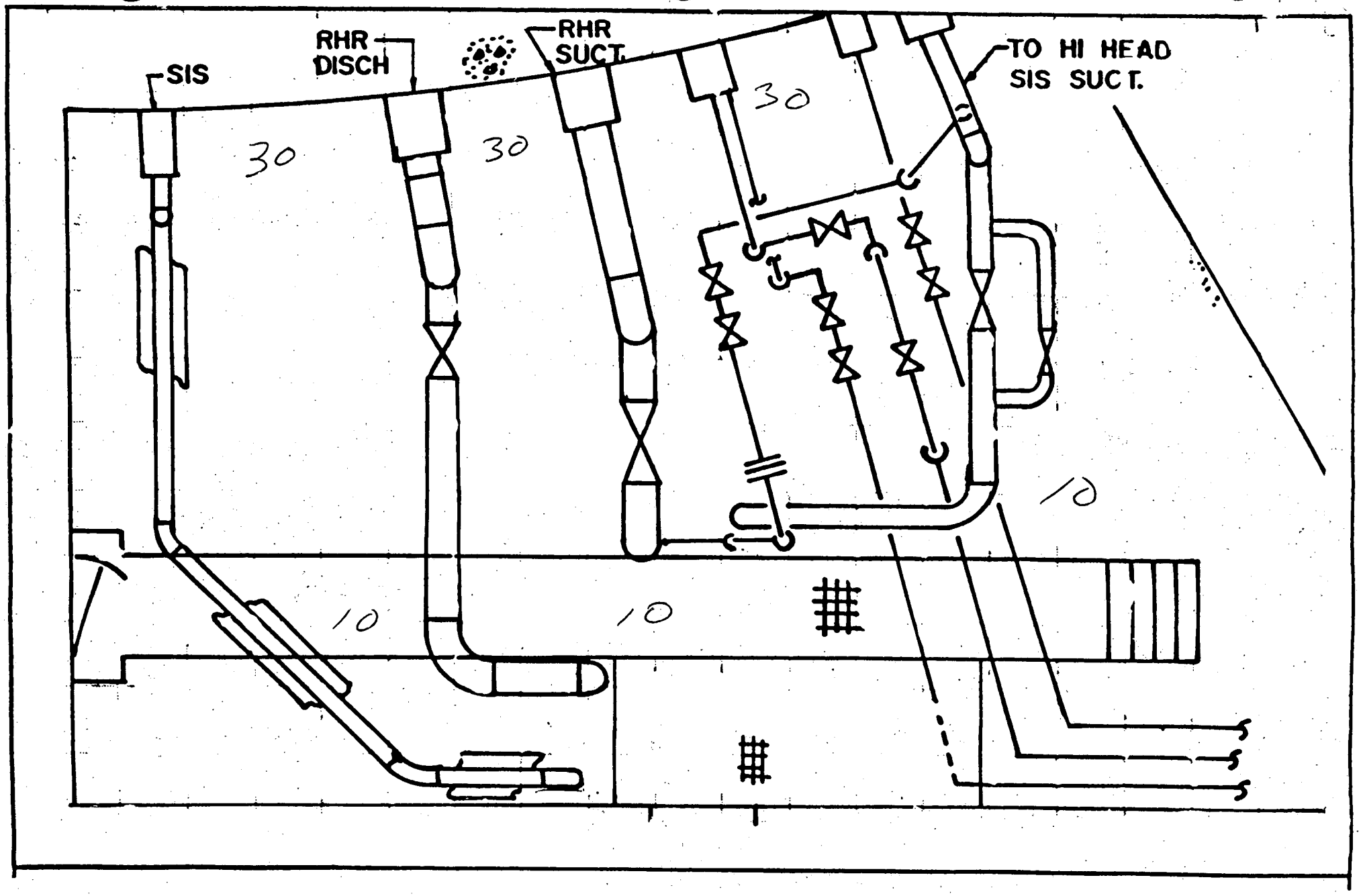
READINGS: AS READ



Pipe Penetration
54' Elevation

TIME: 12:00 - 12:15

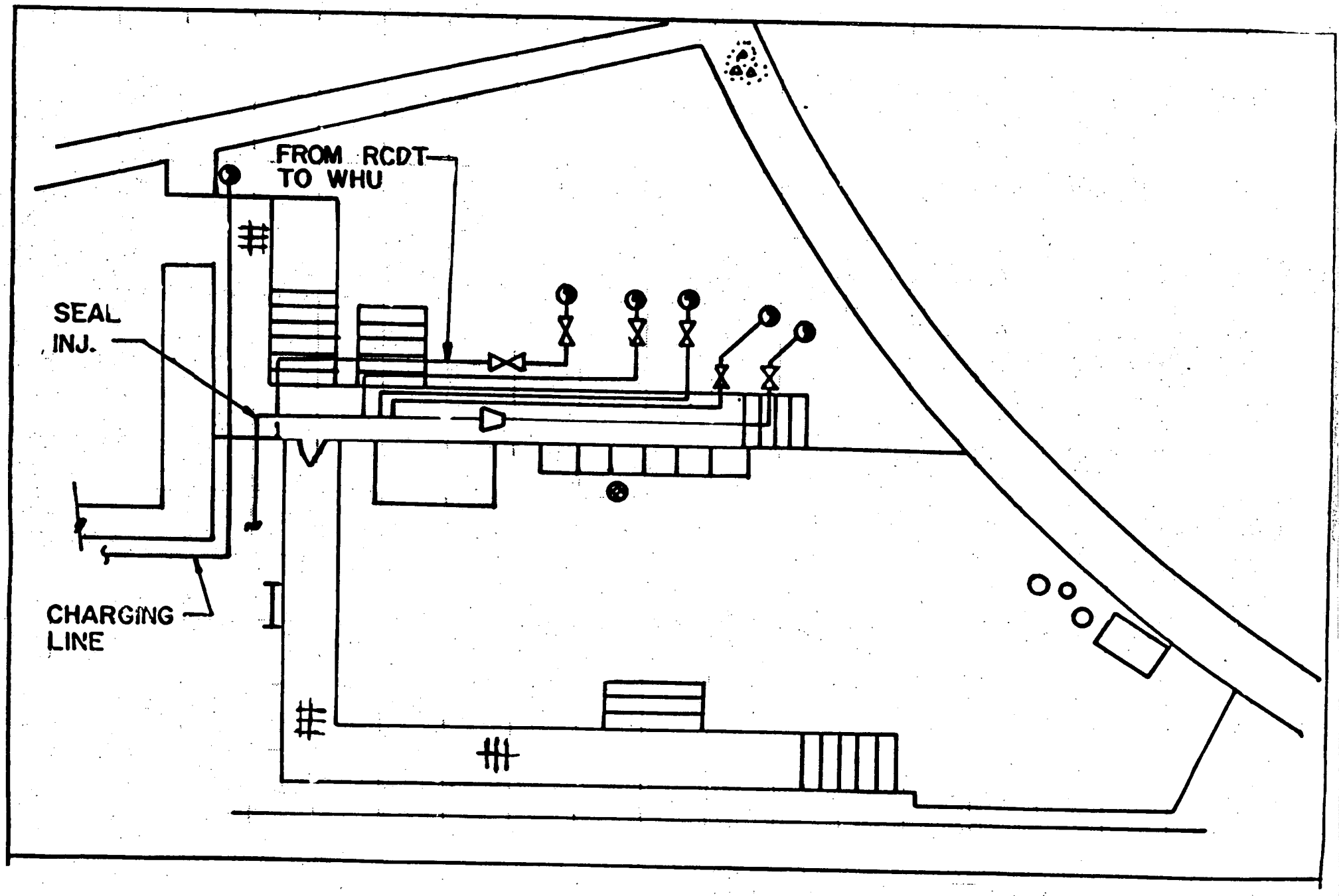
ALL READINGS ARE IN "mR/hr"



Pipe Penetration
54' Elevation

TIME: 1215 - 1330

ALL READING ARE IN "mR/hr."

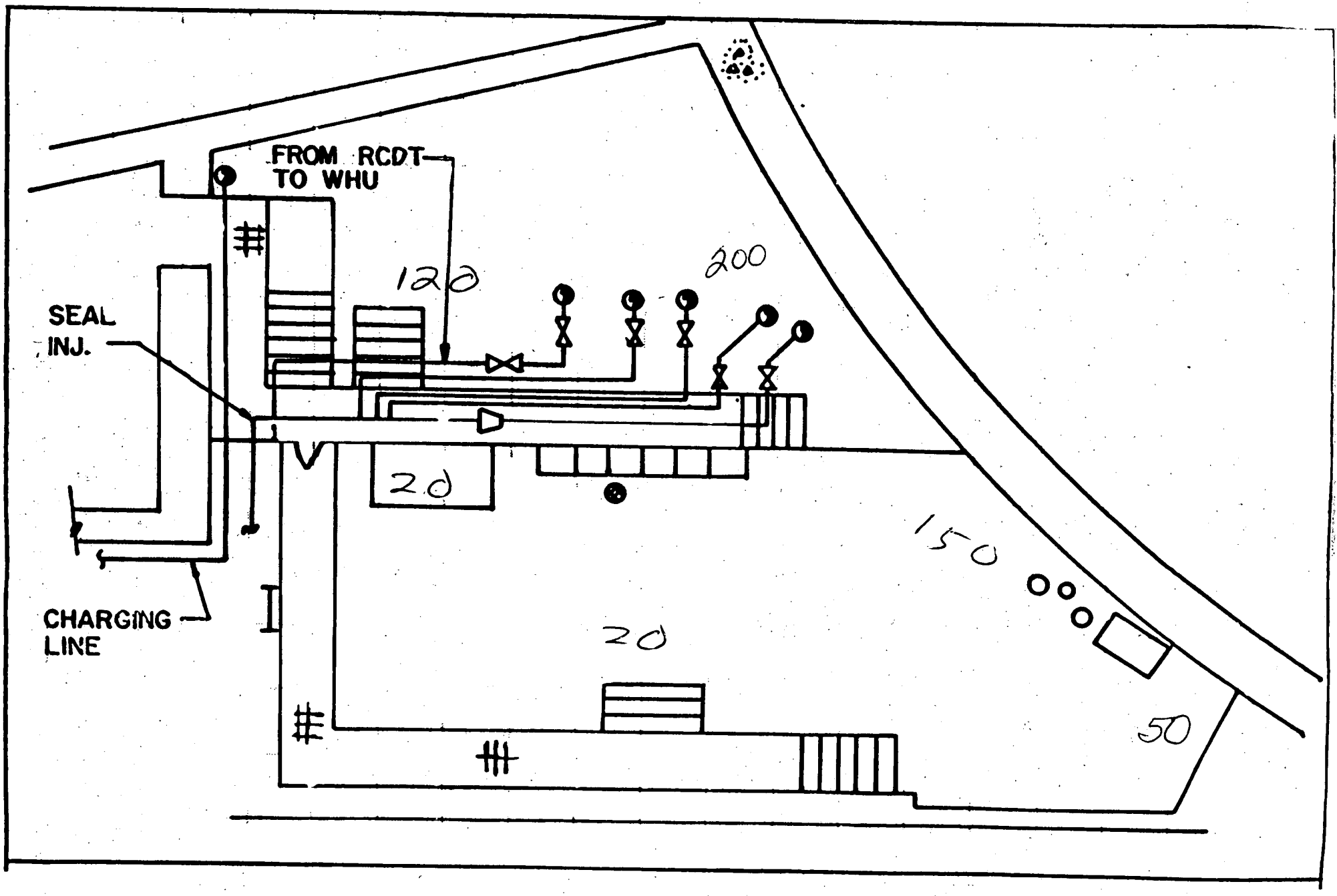


Pipe Penetration
41' Elevation

TIME: 0745 - 1200

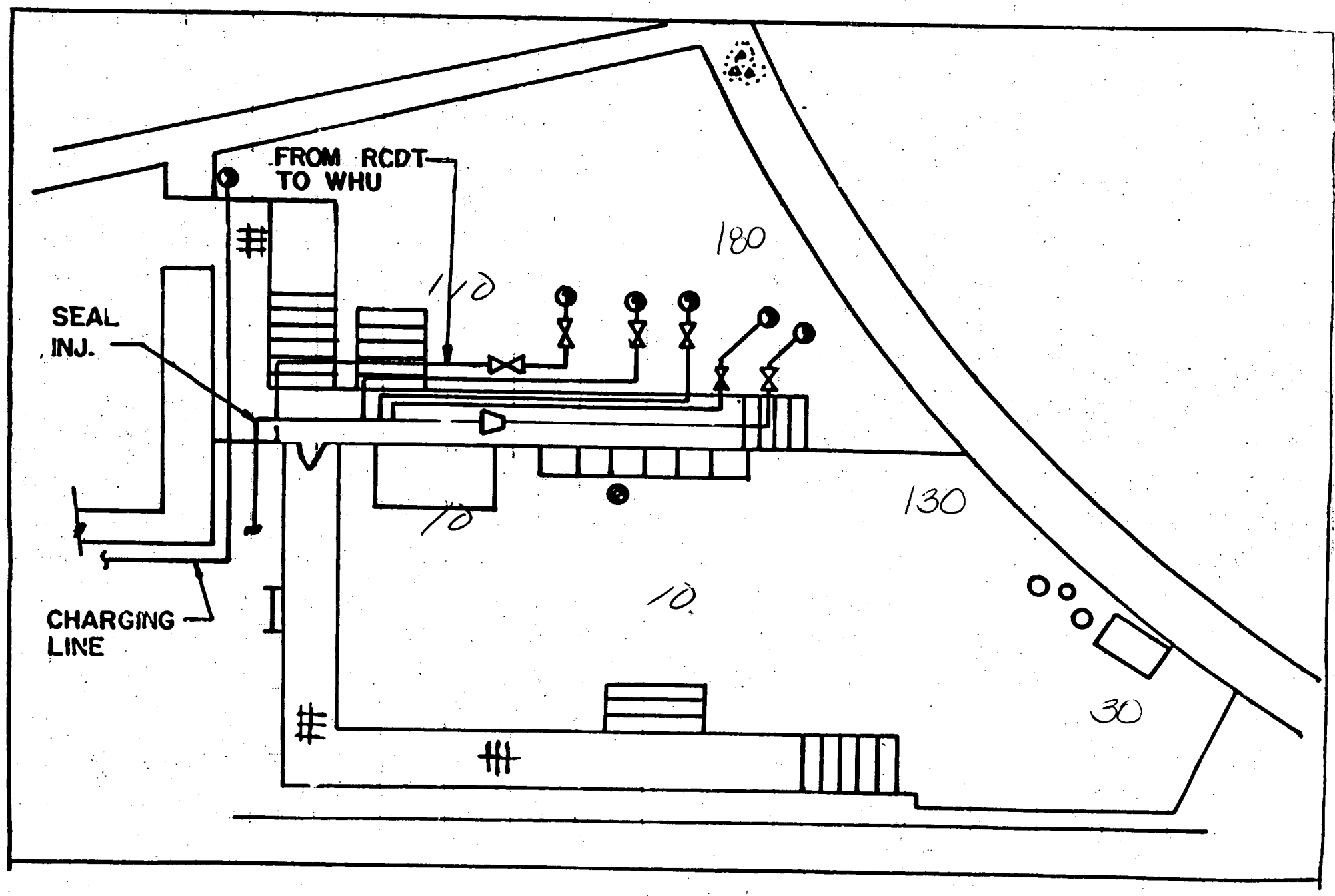
ALL READINGS ARE IN "mR/hr"

READINGS "AS READ"



Pipe Penetration
41' Elevation

TIME: 1200-1215 ALL READINGS ARE IN "mR/hr."



Pipe Penetration
41' Elevation

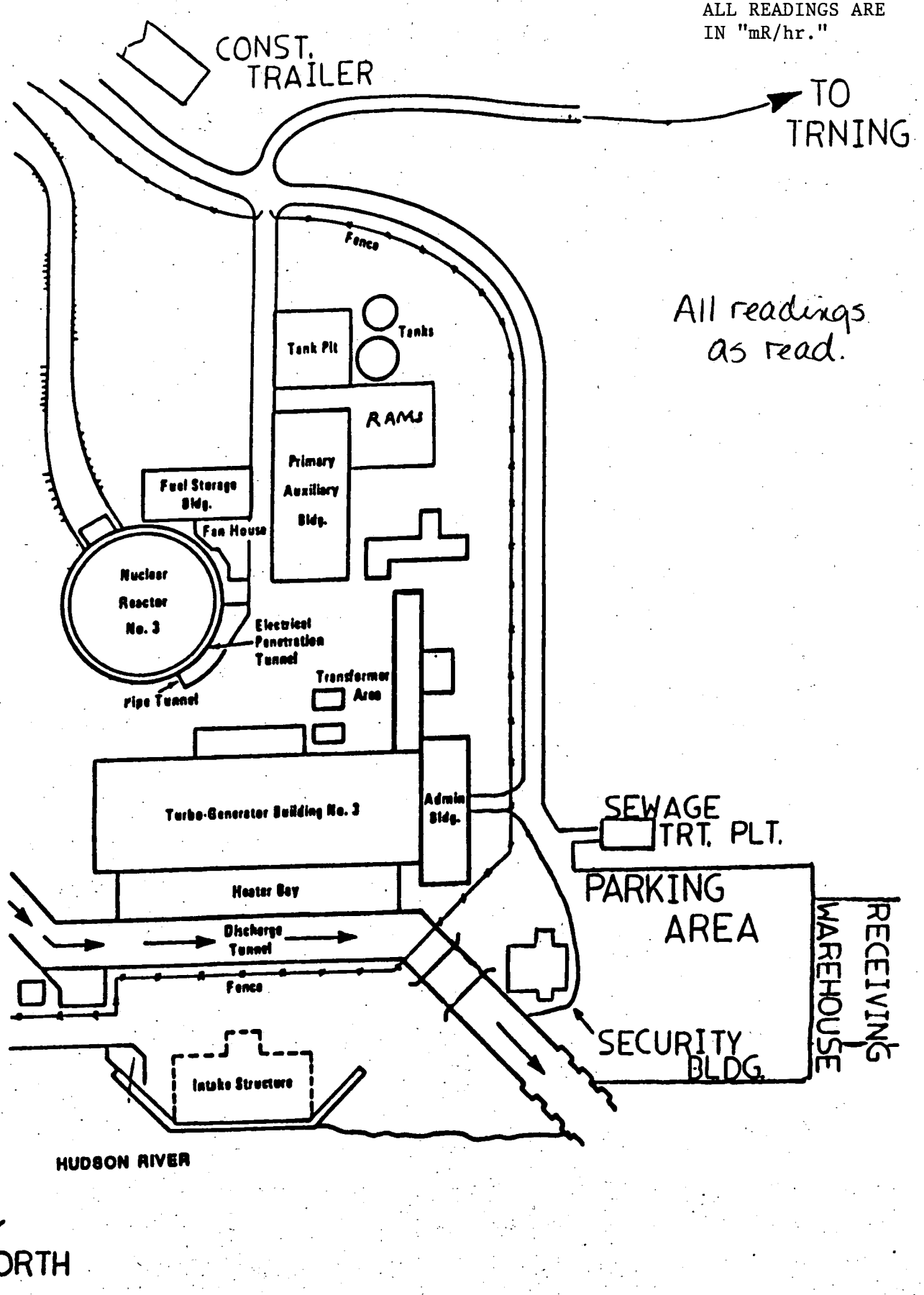
TIME: 1215 - 1330

ALL READINGS ARE IN "mR/hr."

ONSITE SURVEY MAPS

TIME
0745-1200

ALL READINGS ARE IN "mR/hr."



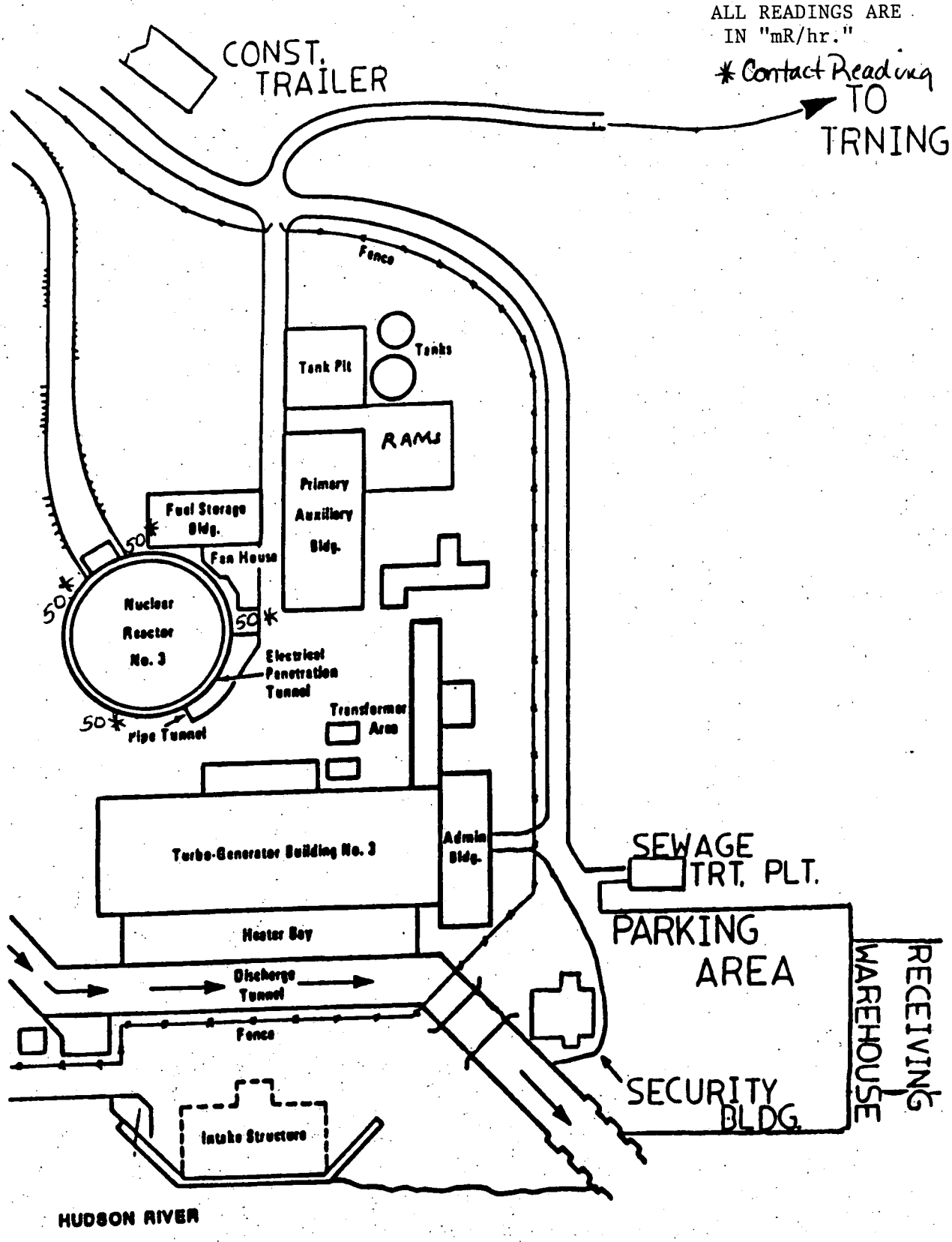
All readings as read.

ONSITE SURVEY MAPS

TIME
1200 - 1215

ALL READINGS ARE IN "mR/hr."

* Contact Reading

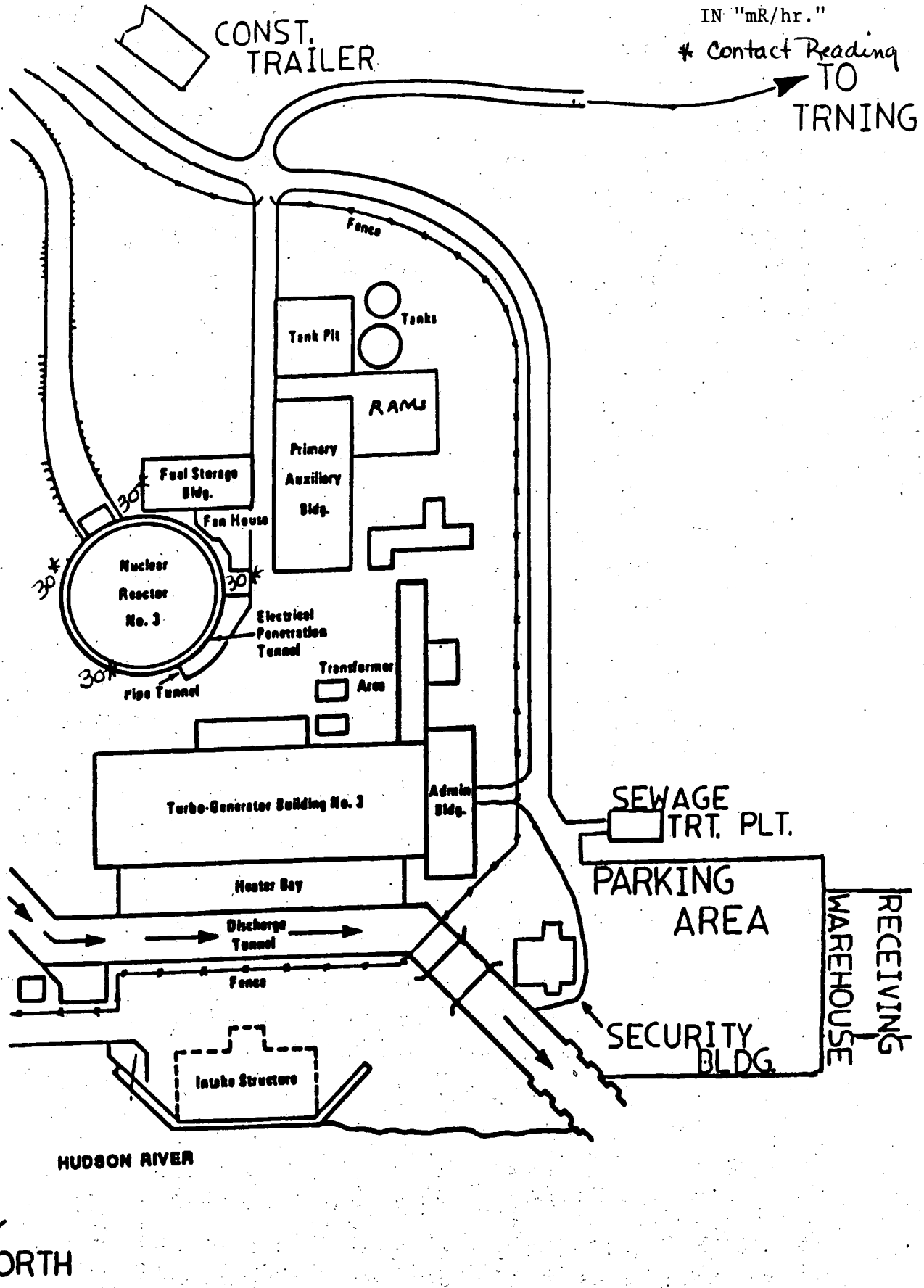


ONSITE SURVEY MAPS

TIME
1215 - 1330

ALL READINGS ARE IN "mR/hr."

* Contact Reading



IV. PACVS PIPE/PS-7 VALVE REPAIR AIR SAMPLE AND DOSE RATE DATA

TIME: 1200 - 1300

AIR SAMPLE DATA:

Frisker contact reading (after air sample is taken):

Particulate	-	1000 cpm above background
Charcoal	-	1000 cpm above background (due to fission gas only)

Isotopic Analysis:

Particulate	-	Nuclide - Rb-88 Decay Corrected uCi/cc - 1.0×10^{-4}
		Total Activity: 1.0E-4 uCi/cc
Charcoal	-	No nuclides identified.

DOSE RATE DATA:

At PACVS Pipe/PS-7 Valve location: 200 mR/hr. Gamma
60 mRad/hr. Beta

SECTION 8

METEOROLOGICAL INFORMATION

NEW YORK POWER AUTHORITY

INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1989 NRC OBSERVED PARTIAL EXERCISE

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SECTION 8

INDIAN POINT NO. 3 NUCLEAR POWER PLANT
1989 NRC OBSERVED PARTIAL EXERCISE
NOVEMBER 15, 1989

METEOROLOGICAL INFORMATION

This scenario requires the use of real-time meteorological data and forecast information. As such, participants are expected to follow appropriate procedures and utilize actual equipment in order to obtain such information.

The procedures related to obtaining such data are IP-1003 and IP-1004. The equipment which may be utilized includes the Meteorological Display Panel in the Control Room, telephone data links to the meteorological tower and the MIDAS computer, and the MIDAS computer in the EOF.

SECTION 9

MEDICAL DRILL SCENARIO

NEW YORK POWER AUTHORITY

INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1989 NRC OBSERVED PARTIAL EXERCISE

NOVEMBER 15, 1989

NARRATIVE SCENARIO

The medical emergency portion of the Indian Point III exercise consists of a contaminated, injured trauma victim at the 80' Airlock Area. The medical emergency will be conducted onsite at Indian Point III; transported using Verplanck Fire and Ambulance and completed at Peekskill Community Hospital.

A member of the containment entry team falls and breaks his ankle while in containment. He is brought out of the Airlock by other members of the team.

The need for hospital treatment is recognized and the Verplanck Fire and Ambulance is notified of the injury and that transport to the Hospital is required. Peekskill Community Hospital is notified of the injury and is informed the patient is contaminated.

Security is advised of the impending arrival of an ambulance and the location to which it should be directed.

An evaluation of the radiological condition of the injured victim is made by HP personnel as first aid continues. Contamination levels between 800 cpm and 1,000 cpm are detected on the victim. A check of the injured worker's dosimeter indicates about 200 mRem.

CONTROLLER MESSAGE

Plant Radiological Information (Patient)

//

THIS IS A DRILL

DO NOT initiate actions affecting normal plant operations.

//

AT SCENE

Initial Survey

Clothing:	1,000 cpm
Fracture site:	1,000 cpm
Legs:	750 - 800 cpm
Hands:	1,000 cpm on gloves
Remainder of body:	N/A

//

THIS IS A DRILL

//

CONTROLLER MESSAGE

Hospital Radiological Data

//

THIS IS A DRILL

DO NOT initiate actions affecting normal plant operations.

//

Patient Arrival

		(If Clothing Removed)	
Clothing:	1,000 cpm	Clothing:	removed
Fracture site:	1,000 cpm	Fracture site:	1,000 cpm
Legs:	1,000 cpm	Legs:	750 - 800 cpm
Hands:	1,000 cpm on gloves	Hands:	N/A
Remainder of body:	N/A	Remainder of body:	N/A

After 1st Decontamination

Fracture site:	550 cpm
Legs:	300 cpm
Hands:	N/A
Remainder of body:	N/A

After 2nd Decontamination

Fracture site:	Background
Legs:	Background
Hands:	N/A
Remainder of body:	N/A

//

THIS IS A DRILL

//

CONTROLLER MESSAGE

//

THIS IS A DRILL

DO NOT initiate actions affecting normal plant operations.

//

MEDICAL EXERCISE IS TERMINATED

Only after the actions have taken place as per the scenario which will end with the patient being medically treated, decontaminated, transferred out of the REA and the Hospital Staff exits the REA.

//

THIS IS A DRILL

//