CONSOLIDATED EDISON COMPANY OF NEW YORK

INDIAN POINT UNIT NO. 2

EXERCISE SCENARIO NO. 1992

110088

CONSOLIDATED EDISON COMPANY OF NEW YORK

INDIAN POINT UNIT NO. 2

DRILL SCENARIO NO. 1992

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I. INTRODUCTION

The purpose of this exercise is to demonstrate Con Edison's capability to effectively implement the Indian Point Unit No. 2 Site Emergency Plan and Procedures and the interface with New York State and the counties of Westchester, Rockland, Orange and Putnam.

This document has been prepared to assist the exercise Observer/Controllers in the conduct and evaluation of the exercise. It contains all the information and data necessary to properly conduct the exercise in an efficient and coordinated manner and is broken down as follows:

Section II Objectives - this section defines the licensee exercise objectives.

Section III Exercise Scenario - this section describes the Indian Point Unit No. 2 postulated sequence of events occurring which will require the onsite emergency response organizations to respond. For each event described, the anticipated results of the participants are also detailed. These results should be used as a guide in evaluating the exercise. However, it should be noted that the results observed may vary from those stated and should be evaluated on a case-by-case basis with respect to applicable procedures.

Section IV Messages - this section contains copies of the exercise messages and Controller Field Reports which will be utilized to control the progress of the exercise scenario.

Section V Observer/Controller Instructions - this section provides general instructions to the exercise Observers and Controllers in the conduct of the exercise. Also include is evaluation criteria for evaluating the responses of the exercise participants.

Section VI Plant Status Log - this section contains time-related information (non-radiological) concerning plant conditions, which corresponds to the development of the exercise scenario.

Section VII Radiological/Meteorological Log - this section contains time-related plant radiological and meteorological data which corresponds to the development of the exercise scenario.

Section VIII Radiological Information - this section contains time-related radiological information in the following categories as required by the scenario:

* Primary Coolant Activity
* Containment Activity
* Release Path Activity
* Plant Radiation Levels
* Reuter-Stokes Readings
* Plume Monitoring Data & Figures
* Offsite TLD Readings
* Post Accident Samples
* Post Accident Offside Contamination Levels
* Medical Emergency Data

Section IX Logistics - this section contains information and direction for the handling of peripheral items related to the day of the exercise.

* Food for participants
* Access lists
* Methods of identification of players, controllers, observers, visitors, etc.

CONSOLIDATED EDISON COMPANY OF NEW YORK

INDIAN POINT UNIT NO. 2

TRAINING DRILL SCENARIO NO. 1992

II. OBJECTIVES

Our objectives are to demonstrate the licensee's;

1. capability to classify emergencies through the four (4) classifications utilizing the EAL tables.

2. initial notification to offsite authorities within 15 minutes of the declaration of each of the four emergency classifications.

3. ability to activate the emergency organization as delineated in section 5 of the Emergency Plan. This includes completing Level II within 60 minutes.

4. ability to activate the EOF, CCR, TSC, OSC, ENC, CIG and ECC.

5. simulate communications capabilities to state and local authorities and the NRC, and between offsite monitoring teams and licensee facilities.

6. ability to transmit data from the TSC to the EOF.

7. deployment of offsite and onsite radiological monitoring teams.

8. deployment of inplant radiological monitoring teams.

9. ability to receive and assess radiological data.

10. completion of assembly and accountability of site personnel within 30 minutes. (No evacuation of site personnel will be demonstrated and there will be no activation of the alert notification [siren] system.)

11. command and control at the emergency response facilities.

12. changeover of responsibility for the direction and control of the emergency force from the Senior Watch Supervisor to the Plant Operations Manager and then to the Emergency Director.

13. ability of facility staff to perform their specified emergency plan job function in an efficient manner.

14. site access control and security measures to ensure there are no delays to the passage of EOF emergency personnel to the EOF.

15. ability to calculate dose projections, determine recommended protective actions.

16. personnel radiological exposure control capabilities for emergency personnel.

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

18. ability to plan for a shift change.

19. ability to deescalate the emergency and declare the recovery stage.

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III. DRILL SCENARIO

Initial Conditions

The Indian Point Nuclear Power Station Unit No. 2 has been at full power for the last 158 days. The Operators have detected an unidentified leakage in RCS of 0.9 gpm which has been unchanged for the the last week. A containment entry is scheduled for tomorrow to positively identify the source of the leakage. Number 23 Emergency Diesel Generator is out of service for periodic maintenance including a complete lubricating oil change. It is expected to be return to service in 24 hours.

Narrative Summary

A seismic event has occurred. The Central Control Room (CCR) Operator has been notified by Unit 3 of the seismic event. A Notification of Unusual Event will be declared based on the Indian Point 2 NUE Classification Table item 5.a: Natural Phenomena, On-site seismic activity verified by Unit 3 plant instruments. It is expected that the CCR Operator will enter abnormal operating procedure A 28.0.8, Earthquake Emergency.

Sometime later, another seismic event occurs. Unit 3 has notified the CCR Operator of a seismic event of 0.16 g in the horizontal direction. An Alert Emergency will be declared based on the Indian Point 2 Event Based Alert Table item 3.a: Natural Phenomena Earthquake = 0.10 g vertical or 0.15 g horizontal confirmed by Unit 3 monitors. The Operator will enter A 28.0.8 and direct an inspection of the plant and commence an immediate plant shutdown per POP 3.1. Coincident with the earthquake, 21 Charging Pump trips. The CCR Operator starts 22 Charging Pump. The CCR Operator receives many reports that people on-site felt an earthquake.

A large loss of coolant accident combined with a loss of offsite power occurs. Number 22 EDG fails to start. Number 21 Safety Injection Pump and No. 21 Spray Pump fail to start. Emergency Diesel No. 23 is out of service for maintenance. The containment High Range monitor R-25 indicates >195 R/hr. The Emergency Director declares a Site Area Emergency based on the Indian Point 2 Fission Product

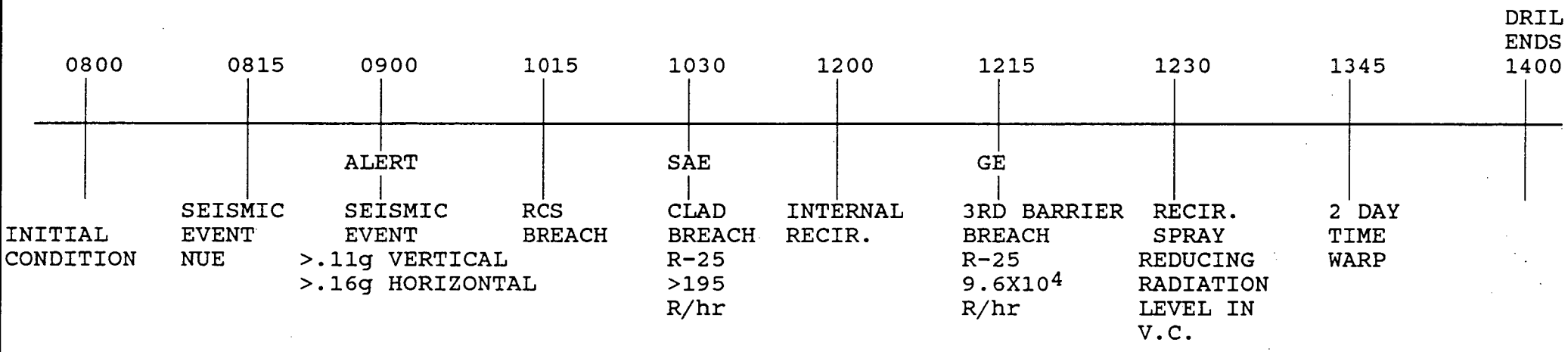
Barrier Breach Table: Reactor Coolant System Breach confirmed by RCS Leakage to V.C. greater than 100 gpm and fuel clad breach confirmed by High Radiation Monitor:, R-25 readings.

Number 22 Emergency Diesel Generator is started. All equipment supplied by 22 EDG is operable. Approximately one half hour later recirculation conditions have been reached and recirculation started.

Radiation levels in the VC have been increasing steadily since the loss of coolant accident occurred. The reading on High Radiation Monitor R-25 now reads 9.6 X 10^4 R/hr. The Emergency Director will declare a General Emergency based on the Indian Point 2 Fission Product Barrier Breach Table: Major core overheat conditions. Greater than GAP inventory present in containment (R-25 greater than 9.4 X 10^4 R/hr constitutes a 3 barrier breach.

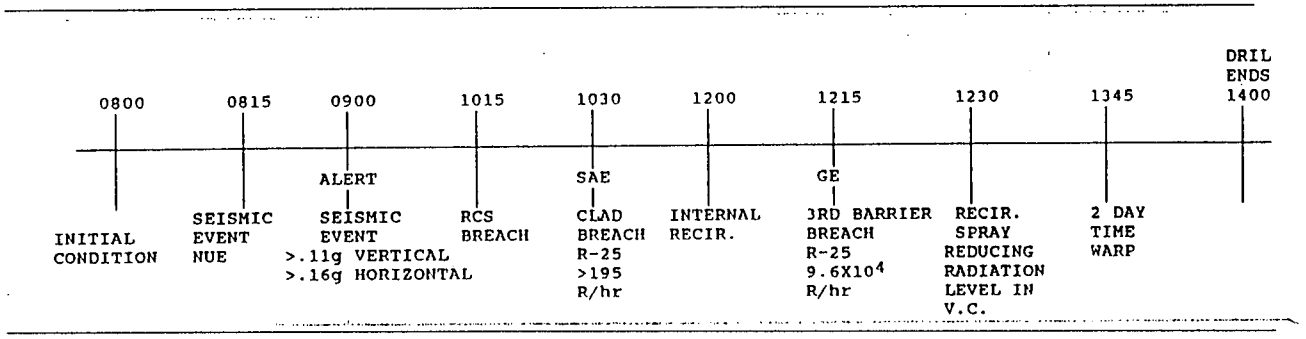
Recirculation Spray cause radiation to decrease in containment.

A two day time warp occurs in which the reactor core will be consider in safe condition with no potential releases of radioactive material to the environment. The ED will close out the emergency and declare the Recovery Stage at which time the drill will end.


0800
0815
0900
1015
1030
1200
1215
1230
1345
DRIL ENDS 1400
INITIAL CONDITION
SEISMIC EVENT NUE
ALERT
SEISMIC EVENT
>.11g VERTICAL
>.16g HORIZONTAL
RCS BREACH
SAE
CLAD BREACH
R-25
>195
R/hr
INTERNAL RECIR.
GE
3RD BARRIER BREACH
R-25
9.6X10^4
R/hr
RECIR. SPRAY
REDUCING RADIATION LEVEL IN V.C.
2 DAY TIME WARP

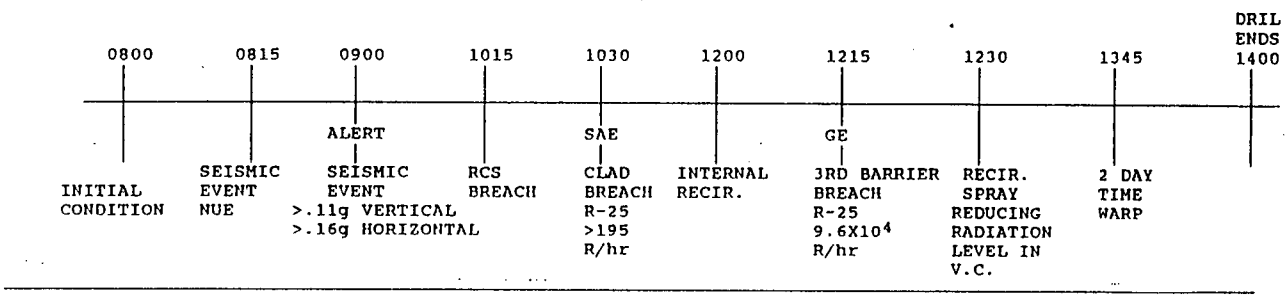
DETAILED SCENARIO TIME LINE

TIME	INITIATING MESSAGE NUMBER	EVENT SUMMARY
T = 08:00	1	Initial conditions are: - Operating at full power for the last 158 days. - Plant parameters are stable and normal. - A confirmed leak rate 0.9 gpm had earlier been identified. - Number 23 EDG is held off for scheduled maintenance and is scheduled for return in 24 hours.
T = 08:15	2	- A seismic event occurs. Unit No. 2 is notified by Unit No. 3 CCR. ANTICIPATED RESULTS Control Room Operator - Enter abnormal operating procedure A-28.0.8 Earthquake Emergency. Send NPO to check AREAS. Senior Watch Supervisor - Declares an NUE due to NUE classification Table 5A onsite seismic activity verified by Unit 3 plan instrumentation.



DETAILED SCENARIO TIME LINE

TIME	INITIATING MESSAGE NUMBER	EVENT SUMMARY
		Fills out Radiological Emergency Data Form Part 1 Direct the communicators to make appropriate notification with IP-1002.
T = 08:30	A	Controller Field Report concerning seismic event from NPO's reports normal conditions.
T = 09:00	3	- Another Seismic Event occurs, Unit 3 notifies CCR operator of seismic event of .16g in horizontal direction and confirmed by Unit 3.
T = 9:15	B	- Controllers Field Reports. NPO's report felt vibration of event. Debris on turbine room floor. - No.21 Charging Pump Trips. Pump block leaks, isolating pump.



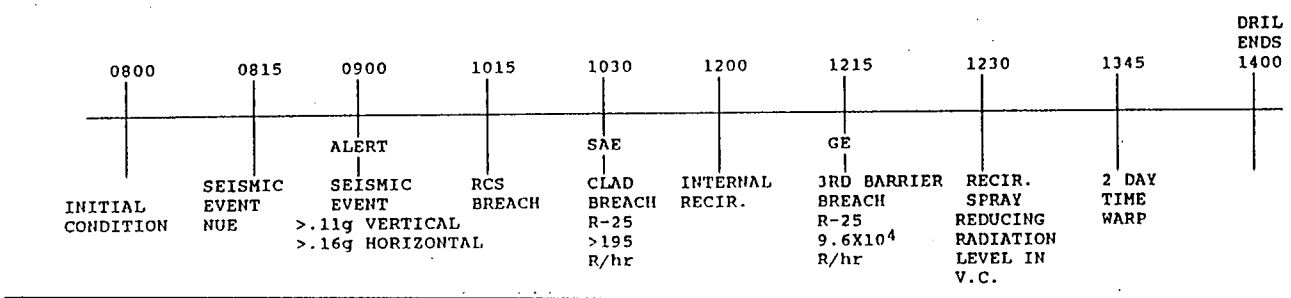
DETAILED SCENARIO TIME LINE

TIME	INITIATING MESSAGE NUMBER	EVENT SUMMARY
T = 09:15		ANTICIPATED RESULTS

- CCR should go to A-28.0.8 Earthquake Emergency. Start No. 22 charging pump.

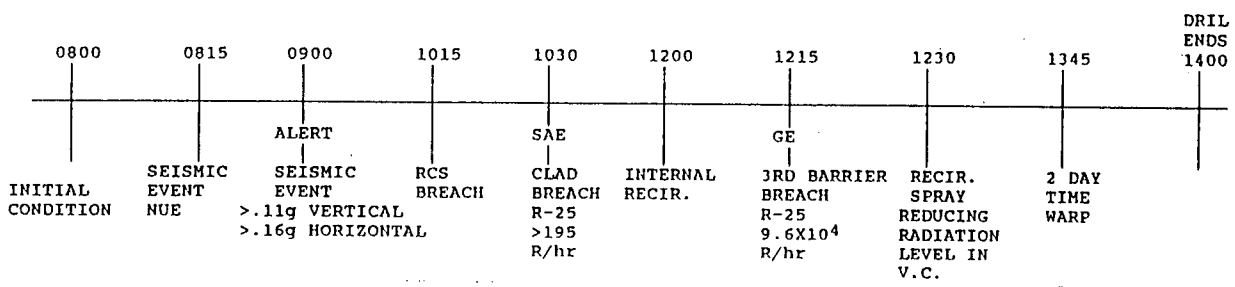
SWS

- Declares an Alert due to IP No. 2. Event base Table item 3A.
- Direct CRO to sound the Emergency Assembly Alarm.
- Fills out "Radiological Emergency Data Form Part I" and Form 45B.
- Direct the communicator to make appropriate notifications in IP-1002.



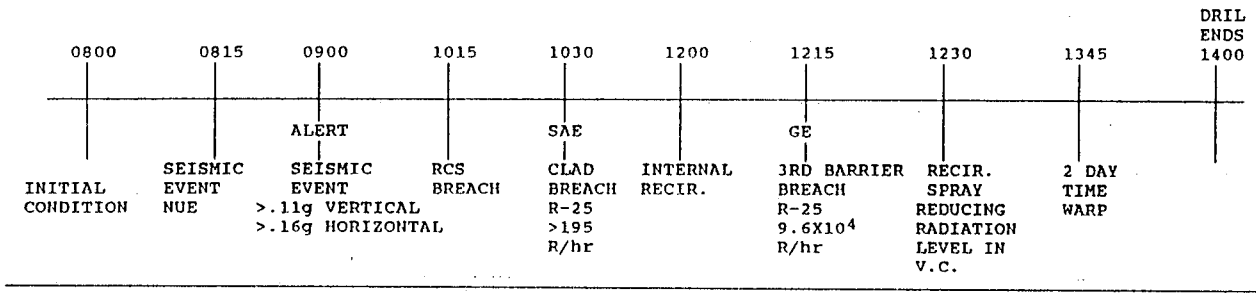
DETAILED SCENARIO TIME LINE

TIME	INITIATING MESSAGE NUMBER	EVENT SUMMARY
T = 09:15		Plant Operations Manager (POM)
		- Report to the Control Room. Discuss and review plant status, emergency action levels, initiating conditions and emergency classification with SWS and assumes control.
		- At the SWS office discuss the situation with the assembled personnel and appoint individuals to the following positions;
		* TSC Manager * OSC Manager * Offsite Rad Assm't Dir (ORAD) * Tech Advisor (TA) to EOF * I & C Coordinator * Maint Coordinator * Rad Pro Coordinator
T = 09:30		TSC Manager
		- Activate TSC.
		- Provide technical support to the SWS and POM including:
		* Evaluate Plant Data * Evaluation of fuel condition.
		OSC Manager
		- Activates OSC.
		- Site accountability in progress.



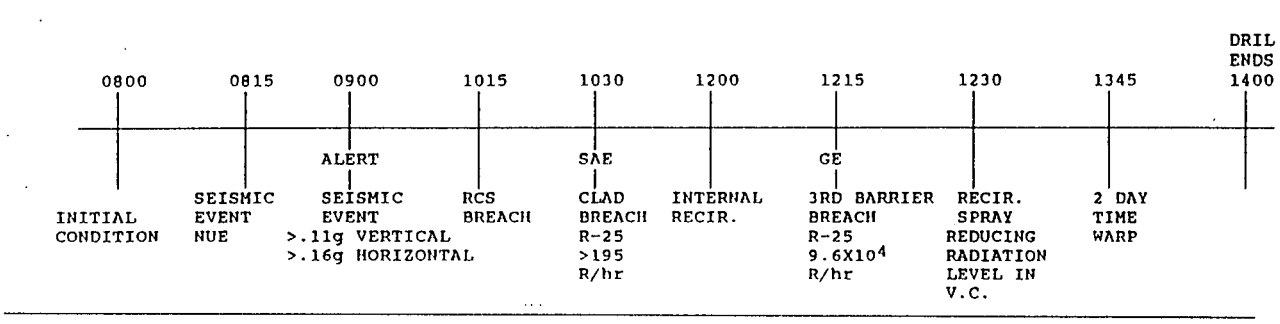
DETAILED SCENARIO TIME LINE

TIME	INITIATING MESSAGE NUMBER	EVENT SUMMARY
T = 9:30		Person Who Will Assume Position of ED - May stay at control room with POM or report to the EOF. Offsite Rad Assm't Dir (ORAD) - Contact individuals to fill EOF positions. - Report to the EOF.
T = 10:15	4	Reactor Trip and Safety Injection due to Large Breach LOCA has occurred. Loss of offsite power. EDG No. 22 fails to start. No. 21 spray pump fails to start. No. 21 SIS pump fails to start.
T = 10:30	5	Fuel clad breach confirmed by High Rad Monitor R-25 reading 200 R/hr following a loss of RCS to V.C.
T = 10:30		ANTICIPATED RESULTS Control Room Operator - Tries to start No. 21 SIS pump. Will not start. - Tries to start No. 21 Spray Pump. Will not start. - Chemist to sample RCS.



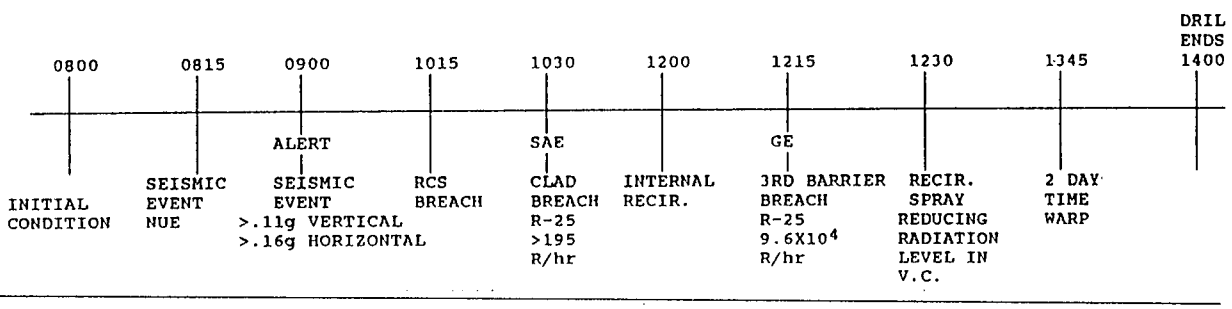
DETAILED SCENARIO TIME LINE

TIME	INITIATING MESSAGE NUMBER	EVENT SUMMARY
T = 10:20		- Sends NPO to try to start EDG No. 22
T = 10:30		ANTICIPATED RESULTS Plant Operations Manager Direct OSC Coordinator to check out No. 21 Spray pump and No. 21 SI pump.
T = 10:30	C	Controllers Field Report - NPO manually starts No. 22 EDG and CRO starts available equipment on No. 22 EDG. - GT-2 fails to close. Unit No. 3 unable to close GT-BT - will investigate.
T = 10:45		ANTICIPATED RESULTS Emergency Director (ED) - Declare an SAE due to second barrier breach. - Discuss Protective Actions with the ORAD, POM and TSC Manager.



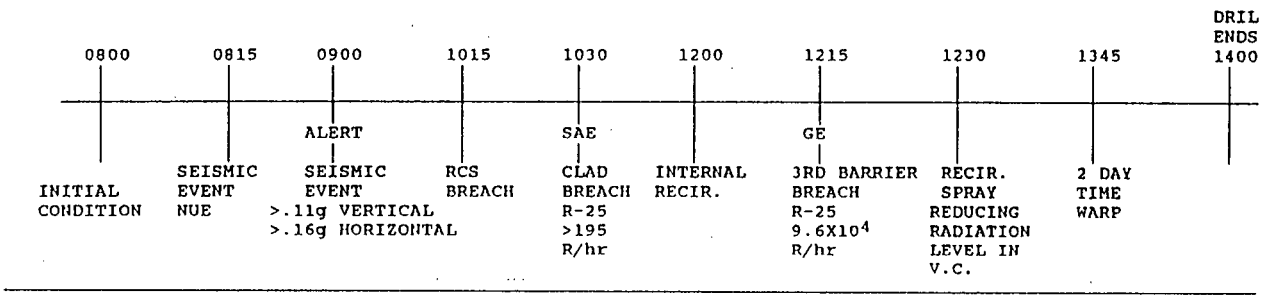
DETAILED SCENARIO TIME LINE

TIME	INITIATING MESSAGE NUMBER	EVENT SUMMARY
T = 10:45		- Fills out "Radiological Emergency Data FORM PART I". Part II is not required because there is no release to the environment. - Have offsite authorities notified. - Directs evacuation of onsite non-essential personnel.
T = 10:45		Plant Operations Manager (POM) Send I & C Team from OSC to investigate Breaker GT-2
T = 11:00	D	Controllers Field Reports NPO reports No. 21 SIS Pump has oil leak on bearing and will not rotate. NPO reports break for No. 21 Spray Pump is smoking, no fire.
T = 11:15		ANTICIPATED RESULTS Send Maintenance to check No. 21 Spray Pump. Send Maintenance to check No. 21 SIS Pump.



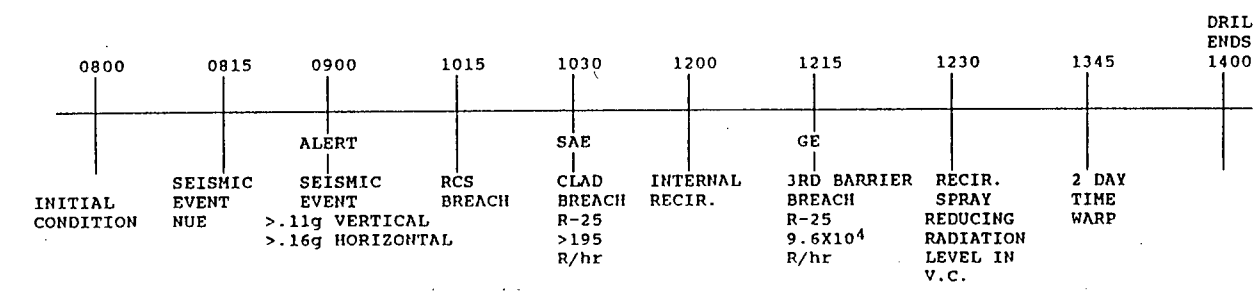
DETAILED SCENARIO TIME LINE

TIME	INITIATING MESSAGE NUMBER	EVENT SUMMARY
T = 11:30 APPROX.	E	Controllers Field Reports Maintenance Reports No. 21 Spray Pump unable to remove Breaker from compartment. Maintenance Reports No. 21 SIS Pump bearing damage, will start repairs.
	F	I&C Reports relay damage to GT-2 Breaker, several hours to repair.
T = 11:45		Recirculation Conditions reached. RWST level down to 9.24 ft. ANTICIPATED RESULTS Control Room Operator - Establishes internal recirculation with Pump No. 21. Enters EOP ES-1.3.
T = 12:15	6	Radiation Levels on R-25 read $9.6x10^4$ R/hr. ANTICIPATED RESULTS Emergency Director Declares A General Emergency based on Fission Product Barrier Breach Table. Major core overheat conditions. Rad Monitor R-25 - 9.6 X 10^4 R/hr.



DETAILED SCENARIO TIME LINE

TIME	INITIATING MESSAGE NUMBER	EVENT SUMMARY
T = 12:15		- Recommended protective actions would be evacuation of a 5 mile radius and 10 miles downwind and sheltering for all other ERPAs not evacuated.
		- Fills out "Radiological Emergency Data FORM, PART I (FORM 30a).
T = 12:15		- Has ORAD calculate potential exposure rates.
		- Directs the "Communicator" to notify offsite authorities using PART I.
		- Direct CLERICAL to telecopy PART I to offsite authorities.
T = 12:30		Control Room Operator Recirculation Spray is establish reducing Radiation levels in V.C.
T = 13:45		2 day time warp. Emergency has been declassified to entering in the recovery phase.
T = 1400		Drill Ends



CONSOLIDATED EDISON COMPANY OF NEW YORK

INDIAN POINT UNIT NO. 2

DRILL SCENARIO NO. 1992

IV. MESSAGES

TO: ALL DRILL PARTICIPANTS

LOCATION: ALL LOCATIONS

TIME: When the players report to the facility

MESSAGE: DRILL GROUND RULES

All participants are required to observe the following Ground Rules for the entire duration of the exercise. If you have any questions, ask your Facility Controller for clarification at this time.

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

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

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

4. Use only the information provided in accordance with the ground rules or derived from approved procedures. Do not improvise information.

   a. Controllers will provide appropriate information at the location where that information would normally be available (e.g., Reactor status at the Control Room, dose rate readings with field teams, meteorological information at Control Room or EOF).

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

c. The intent of the scenario is to test the emergency plans and procedures of Con Edison and the offsite authorities. In certain instances the logic involved in selecting the details stretches the imagination. This was done to accommodate the onsite and offsite objectives of the drill. Do not become overly concerned when this occurs.

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

5. Be sure that the Con Edison Observer/Controller is aware of your actions (actual or simulated).

6. Make all procedurally required notifications unless directed not to by the Controller.

7. If samples inside or outside the site are deemed necessary, their collection will be performed and their analysis conducted unless simulation is directed by a Controller. Observer/Controllers will accompany the survey teams, onsite and offsite.

8. This drill is conducted to evaluate our plans and procedures. The drill is also a training vehicle for members of the Con Edison Emergency Response Organization to practice working together and with outside organizations. Please make note of any improvements in any area that you observe as a participant and submit them to the Observer/Controller at the conclusion of the drill.

9. If, during any part of the drill, you are having trouble accomplishing your required duties, confusion arises, or clarification is necessary ask your Controller. Controller assistance or clarification does not necessarily imply failure on your part. Your Controller will know the limitations of information he can provide you.

10. The Radiation Work Permit number for the emergency drill is 10001. This number will be used by all participants and observer/controllers entering the radiation area.

SIMULATION

CONTROL ROOM (CR)

1. KI use

TECHNICAL SUPPORT CENTER (TSC)

None

OPERATIONAL SUPPORT CENTER (OSC)

1. Anti-C and respirators for teams
2. Sampling and Counting, including the PASS
3. Entry of repair teams into contaminated areas or areas requiring a site specific RWP

EMERGENCY OPERATIONS FACILITY (EOF)

1. KI use
2. Disarming of Halon System
3. Switching ventilation to internal mode
4. Evacuation and movement of all non-essential personnel
5. Estimates of population dose after recovery
6. Buchanan Sub Station Service Center not participating
7. With the exception of the Security Guard for CCR, EOF and onsite team, all other security requests will be simulated.
9. The main gate and the command guard house will be secured for one hour after the assembly alarm is sounded. At other times it will be simulated.

ASTORIA ECC

1. Only one offsite team needs to be dispatched from Astoria. After the team is dispatched, the rest of the personnel may be released for normal duty.

CORPORATE RESPONSE CENTER (CRC)

1. CRC personnel are only required to contact appropriate directors, managers and chief engineers once after activating the facility stating, "This is a notification drill being performed in conjunction with an Indian Point Site Drill. Thank you."

CENTRAL INFORMATION GROUP (CIG)

1. The initiation of the Automated Telephone Emergency Notification Service (IP-1002 Section 5.4.1.c).

TO: SENIOR WATCH SUPERVISOR

LOCATION: CONTROL ROOM

TIME: T = 08:00

MESSAGE: NO. 1

This is a Drill

Con Ed Indian Point Unit No. 2 has been operating at full power for 158 days and near end of core life. All plant parameters are normal and stable.

A confirmed leak rate of 0.9 gpm had earlier been identified.

RCS activity has been steadily increasing over the past several days and is now 34 uCi/cc.

No. 23 Emergency Diesel Generator was held off 24 hours ago for scheduled maintenance and is scheduled for return in 24 hours.

This is a Drill

TO: SENIOR WATCH SUPERVISOR

LOCATION: CONTROL ROOM

TIME: T = 08:15

MESSAGE: NO. 2

This is a Drill

Onsite seismic activity verified by Unit No. 3 plant instrumentation. Unit No. 3 reports one amber light lit on Unit 3 Peak Shock Annunciator.

This is a Drill

CONTROLLER FIELD REPORT A

TIME:	8:30
LOCATION:	FIELD NPOs
INFORMATION TO:	NPO
RADIATION LEVELS:	AS READ

The NPOs reports from field normal conditions from seismic event.

TO: SENIOR WATCH SUPERVISOR

LOCATION: CONTROL ROOM

TIME: T = 09:00

MESSAGE: NO. 3

This is a Drill

Unit #3 notifies Central Control Room Operators of another seismic event of .16g in horizontal direction with two red annunciators lit and this is confirmed by Unit No. 3.

This is a Drill

CONTROLLER FIELD REPORT B

TIME: 9:15

LOCATION: FIELD NPOs

INFORMATION TO: NPOs

RADIATION LEVELS: AS READ

* Conventional NPO - Reports felt vibration.

* Debris on turbine room floor.

* Checking equipment status.

* Nuclear NPO - Reports felt vibration.

* Checking equipment status.

* No. 21 charging pump trip.

CONTROLLER FIELD REPORT

TIME: 9:15

LOCATION: CHARGING PUMP ROOM

INFORMATION TO: NPO

RADIATION LEVELS: AS READ

NPO reports No. 21 Charging Pump Leaking from Block and NPO isolating.

TO: CONTROL ROOM OPERATOR

LOCATION: CONTROL ROOM

TIME: T = 10:15

MESSAGE: NO. 4

This is a Drill

* Reactor Trip
* Large Break LOCA has occurred.
* No. 22 EDG fails to start in auto.
* No. 21 Spray Pump fails to start.
* No. 21 SIS pump fails to start.

This is a Drill

TO: CONTROL ROOM OPERATOR

LOCATION: CENTRAL CONTROL ROOM

TIME: T = 10:30

MESSAGE: NO. 5

This is a Drill

Fuel clad breach confirmed by High Rad Monitor R-25 Reading 200 R/hr.

This is a Drill

CONTROLLER FIELD REPORT C

TIME: 10:30

LOCATION: EDG BUILDING

INFORMATION TO: NPO

RADIATION LEVELS: AS READ

After the CRO is unsuccessful in starting EDG #22, it is expected that he will send an NPO to manually start the diesel.

Have NPO notify the CRO that at 10:30 he has successfully started EDG #22.

After the CRO is unsuccessful in starting No. 21 SIS Pump and No. 21 Spray Pump it is expected that he will send an NPO to check.

CONTROLLER FIELD REPORT D

TIME: 11:00

LOCATION: CONVENTIONAL AND NUCLEAR

INFORMATION TO: NPO

RADIATION LEVELS: AS READ

Have the Conventional NPO notify CCR that smoke is coming from No. 21 Spray Pump Breaker. No fire.

Have the Nuclear NPO notify CCR that No. 21 SIS Pump oil leak and pump will not rotate.

CONTROLLER FIELD REPORT E

TIME: ~ 11:30

LOCATION: 480 V BREAK

INFORMATION TO: MAINTENANCE

RADIATION LEVELS: AS READ

Maintenance: Breaker damage to No. 21 Spray Pump unable to remove Breaker from compartment.

Maintenance: Bearing on No. 21 SIS Pump damage. Will start repairs.

CONTROLLER FIELD REPORT F

TIME: 11:30

LOCATION: GT-2 BREAKER 5' ELEVATION

INFORMATION TO: I & C REPAIR

RADIATION LEVELS: AS READ

Breaker damage to GT-2 relays damage ~ several hours to repair.

TO: EMERGENCY DIRECTOR

LOCATION: EMERGENCY OPERATIONS FACILITY

TIME: T = 12:15

MESSAGE: NO. 6

This is a Drill

Radiation levels on R-25 read greater than 9.4×10^4 R/hr.

This is a Drill

TO: EXERCISE PARTICIPANTS

LOCATION: ALL LOCATION

TIME: T = 14:00

MESSAGE: NO. 7

This is a Drill

All exercise activities are terminated.

All reports logs data and other pertinent material will be collected at this time by by an observer/controller.

This is a Drill

V. OBSERVER/CONTROLLER INSTRUCTIONS

A. Exercise Control Organization

Exercise Observer/Controllers shall be appointed in order to control, observer, and later critique exercise activities. The title "Observer/Controller" is used to designate either a single, or dual function during the exercise. Observers will be assigned to watch exercise activities as they occur. They will provide no input or active involvement or direction to any participants during the exercise. Their only function is to quietly observe in order to later help develop a representative critique of exercise participants' actions. Controllers will be assigned to various "key" locations in order to actively control the progress of the exercise. They will input Control and Contingency Messages at the appropriate times and provide any necessary interpretation to exercise participants. Controllers will be the only ones who can answer participants' questions. They will also function as Observers to help evaluate performance; thus Observer/Controllers. The designation below of Observer// Controller will mean either Observer, Controller, or Observer and Controller. The "Chief Controller" is the lead exercise manager (or controller) and will be located in the Control Room. Prior to the exercise, Observer/Controller instructions will be provided in order to familiarize all Observer/Controllers with the entire scope of the exercise, and answer any specific questions. The assignment sheets at the end of this section contain the listing of all exercise Players, Observers and Controllers, as well as their locations.

B. Exercise Control Instructions

1. All Controllers shall be pre-positioned at least one half hour prior to the first message time.

2. Prior to exercise commencement, all Controller communications will be tested to ensure satisfactory exercise control.

3. All Controllers will comply with instructions from the Chief Controller.

4. Each Controller will have copies of the messages controlling the progress of the exercise scenario. Message shall be delivered by the Controller at the appropriate times, to the designated individual(s). In the case of emergency declarations, if the response of exercise participants necessitates the use of a contingency message, the situation should be discussed with the Chief Controller prior to issuance of the message.

Controllers will use the following techniques to control the exercise in accordance with the scenario.

a. Messages & Field Reports - Messages providing information are given to the participant at the specific time. The Controller may clarify the message by answering questions to ensure that no extraneous meaning is read into the message. Field reports are for the Controller's use and are not given to the participant. When the field report contains direction to the Controller to provide information it is done verbally. The Controller will not tell participants what action they are expected to take.

b. Contingency Messages - Contingency messages will be used only if participants fail to take the major actions expected from the control messages by the time designated. Controllers will give the contingency message to the designated participant and explain in as much detail as necessary what actions the participant is expected to perform. Contingency messages are used to keep the exercise on schedule, though their use may indicate inadequate plan implementation.

c. Control Information - Controllers for Health Physics and Environs Field Teams will provide instrument readings and other information to team members verbally when they request it by performing the measurements, etc. Controllers will refer to their current location and the applicable time period to obtain requested data from the appropriate tables in Section 8.

d. Control Guidance - Controllers will provide verbal guidance to participants to keep the exercise oriented to the pre-arranged scope and scenario. Controllers will direct participants to simulate certain actions that are outside the immediate scope of the exercise at the time participants announce their intention to perform the action. Observer/Controllers will note that the participants simulated the action. Participants must request information that is not automatically provided from participants at other locations. Controllers will steer participants away from types of information that are outside the exercise scope to avoid bogging the exercise down in a quest for information that Controllers do not possess and have no intention of providing.

NOTE: All messages controlling the progress of the exercise scenario are noted with a number.

5. All Controllers shall synchronize their watches to ensure that messages are delivered at the proper time. Times on messages are real time.

6. Each Controller will have copies of time-related plant and radiological parameters (data) corresponding to the development of the exercise scenario. This information should be issued, only upon request or when required to the appropriate exercise participants by either the Control Room Drill Controller, or controllers accompanying the radiological monitoring or inplant health physics personnel.

7. Controllers shall not provide information to the exercise participants regarding scenario development or resolution of problem areas encountered. The exercise participants are expected to obtain information through their own organizations and exercise their own judgements in determining response actions and resolving problems.

8. Any inquiries originating from the general public, as a result of exercise activities, will be referred to a Controller. An explanation will consists only of stating that a practice drill is underway at the plant and all events are simulated (i.e., not real).

9. Some exercise participants may insists that certain parts of the scenario are unrealistic. The Drill Controller has the sole authority to clarify any questions regarding scenario content.

10. Each Observer/Controller should use the Log Sheet contained at the end of this section to take detailed notes regarding the progress of the exercise and the responses of the exercise participants at their respective assigned locations. Each Observer/Controller should carefully note the arrival and departure times for exercise participants, the times at which major activities or milestones occur, and problem areas encountered. Observer/Controllers' comments should consider the evaluation elements set forth in Section C, "Exercise Evaluation Criteria." All notes taken should be retained for the purposes of reconstructing the exercise chronology and preparing a written critique to the exercise.

11. The exercise is tentatively scheduled to end as indicated in the last message. Instructions for reassembly of the Observer/Controller team will be given at that time.

NOTE: In the event of a real emergency during the exercise, the exercise may be immediately terminated by the Chief Controller, if deemed appropriate.

C. **Exercise Evaluation Criteria**

Observer/Controllers shall familiarize themselves with the duties and action requirements of the personnel they are monitoring.

Certain generic evaluation points are to be considered for all locations/participants, as appropriate. These include:

* Notification, alerting and mobilization of emergency response personnel.

* Adequate communications capabilities among onsite and offsite emergency response facilities and personnel.

* Timely activation of emergency facilities and teams.

* Clear and appropriate direction and control of all exercise activities.

* Emergency procedures are followed. In some cases they should be referred to during accomplishment of specific duties; e.g., dose assessment.

* Overall adequacy of the scenario to test the various emergency preparedness plans and procedures.

* Benefit of the exercise to its participants.

The following guidelines provide basic evaluation criteria which must be addressed by the Observer/Controller in order to effectively critique the exercise. Evaluation criteria are grouped according to exercise activity location and individual (or team) functions.

NOTE: Specific exercise performance must be compared directly with company emergency procedures. Therefore, individuals assigned as Observer/Controllers shall be cognizant of the respective procedures and all actions that shall be carried out by the participants they observe.

After completion of the drill, and before the end of the next normal working day, the Chief Controller shall hold a verbal critique, where all Observer/Controllers shall discuss their observations and any noted shortcoming, and present their recommendations to improve performance and emergency preparedness. Critique comments will be requested from all participants at the conclusion of the exercise.

1. Control Room

Prior to initiating the exercise, the Chief Controller will confer with the Senior Watch Supervisor (SWS) in order to identify any ongoing operational or maintenance activities that should not be interrupted. Those personnel engaged in these activities will be notified that they are to disregard any exercise-related announcements or activities. Emphasis should be made however, that in the event of a real emergency the exercise may be terminated and station announcements will specify "THIS IS NOT A DRILL" and that instructions should be followed by all personnel.

The Observer/Controller shall observe the action of all personnel assigned to the Control Room and all personnel who report to the Control Room for assignment. In addition, he will pay special attention to the following:

* Use of map and overlays.

* Placement of calls to NRC, NYS and Counties.

* Notification, alerting and mobilization of emergency personnel.

* Operations handling of accident conditions if appropriate.

* Instructions given to Search and Rescue teams, and Repair and Corrective Action teams, and Rad Protection and Chem. Techs by the Senior Watch Supervisor (SWS).

* Does the SWS handle the emergency by directing his people or trying to do the work himself.

* Is the time frame of actions by the SWS reasonable enough.

* Department of all personnel in the Control Room.

The following procedures are to be used in the evaluation:

IP-1001	Mobilization of Onsite Emergency Organization
IP-1002	Emergency Notification and Communication
IP-1003	Planned Discharge of Containment Atmosphere During Accident Conditions
IP-1007	Determination of the Magnitude of Release and Exposure Rate
IP-1010	Search and Rescue Teams
IP-1011	Repair and Corrective Action
IP-1013	Recommendation of Protective Actions for offsite Population.

IP-1016	Obtaining Meteorological Data
IP-1020	Airborne Radioiodine Determination
IP-1021	Manual Update and Readout of Proteus Plant Parameter Data
IP-1024	Emergency Classification
IP-1037	Obtaining Offsite Reuter-Stokes Monitor Data
IP-1038	Emergency Personnel Exposure
IP-1043	Operation of the NYS Radiological Emergency Communications System (RECS)
IP-1047	Obtaining Offsite Exposure Rates from MIDAS Via Control Room Terminal.

Plus Immediate Action Procedures for SWS, CRO, WATCH HP, POM

2. Technical Support Center

The Observer/Controller should observe the following:

* Timely activation

* A minimum of four qualified persons manning the center.

* Field survey performed.

* Noble gas monitor set up.

* "Frisker" set up.

* Work performed in professional manner.

* Phones are plugged in and direct lines to Control Room, NRC, and EOF are checked out.

The following procedures are to be used in the evaluation:

IP-1020	Airborne Radioiodine Determination
IP-1021	Manual Update and Readout of Proteus Plant Parameter Data
IP-1035	Technical Support Center
IP-1041	Use of the Triton to Monitor Radiogas

3. Central Information Group CIG)

The Observer/Controller should observe the following:

* Timely initiation of a call to the paging service company.

* Adequate communications, including how problems with the radio and telephones are handled. Message handling and communication logging procedures.

* Verification call to Indian Point Unit No. 2 Control Room for authenticity of emergency.

* Preparation of records of personnel who have called in.

The following procedure is to be used in the evaluation:

IP-1002 Emergency Notification and Communication

4. Assembly Area

The Observer/Controller should observe the following:

* Do they seek out their section or department accountability officer, generally stay together as a group and remain orderly?

* Were Assembly Area radiation surveys performed and results recorded? This will depend on whether there is an SAE or GE classification and releases to the environment.

* Is there documentation of accountability and is it understandable to others.

The following procedure is to be used in the evaluation:

IP-1027 Site Personnel Accountability and Evacuation

5. Operational Support Center

The Observer/Controller should observe the following:

* Is there documentation of accountability and is it understandable to others?

* Do the personnel awaiting assignment remain orderly?

* Were radiation surveys performed and recorded?

* Receipt of request to form teams.

* Handling the assignment of team members.

The following procedures are to be used in the evaluation.

IP-1020 Airborne Radioiodine Determination

IP-1023 Operational Support Center

IP-1027 Site Personnel Accountability and Evacuation

IP-1041 Use of the Triton to Monitor Radiogas.

6. Emergency Operations Facility

This is the command post for the interface with offsite authorities and it should seem so to the Observer/Controller. Look for the following things:

* The Emergency Director is in command of the EOF.

* The ORAD is in control of the radiological assessment activities, and reports results and recommendations to the Emergency Director in a timely and efficient manner.

* Any extra personnel, spectators and those awaiting orders are quietly standing out of the way.

* The H.P. or support personnel are performing duties in a timely and efficient manner and reporting results to either the Emergency Director or ORAD.

* Instrumentation deployed in the EOF is placed in a non-interfering position.

* Adequate communications, including how problems with the radio and telephone are handled. Message handling and communications logging procedures.

* Radioactive release rates, whole body and thyroid exposures to the offsite population are calculated quickly after the receipt of data from the Control Room or the offsite monitoring team(s).

* Prompt notification to the NRC, NYS and Counties of exposure data and changes to site meteorological conditions.

* The Emergency Director assigns, where possible, his routine calls to someone else thereby leaving himself free to command the action.

* Data forms filled out and turned in to the ORAD/ Health Physicist.

* Timely deployment of teams.

* A central point for receipt of radiological monitoring data is designated and adequate communications with field teams demonstrated.

* Demonstrate ability to assess plant conditions, reclassify the incident (if appropriate), develop timely protective action recommendations, and communicate to offsite authorities in an accurate and timely manner.

* Demonstrate ability to control radiological monitoring field teams for "plume-tracking," and ingestion pathway monitoring.

* Demonstrate ability to develop recommendations for recovery and re-entry activities.

* Demonstrate ability to provide radiation exposure control for emergency workers.

The following procedures are to be used in the evaluation:

IP-1002	Emergency Notification and Communication
IP-1003	Planned Discharge of Containment Atmosphere During Accident Conditions
IP-1004	Post Accident Offsite Environmental Surveys, Sampling and Counting
IP-1005	Use of SAM-2/RD-22 to Determine Thyroid Burdens
IP-1006	Site Perimeter Surveys
IP-1007	Determination of the Magnitude of Release and Exposure Rate
IP-1013	Recommendation of Protective Actions for Offsite Population
IP-1016	Obtaining Meteorological Data
IP-1020	Airborne Radioiodine Determination
IP-1021	Manual Update and Readout of Proteus Plant Parameter Data
IP-1024	Emergency Classification
IP-1029	Emergency Closeout/Class Reduction Written Summary to Authorities
IP-1036	Estimation of Population Dose Within the 10 Mile Emergency Planning Zone
IP-1037	Obtaining Offsite Reuter-Stokes Monitor Data
IP-1038	Emergency Personnel Exposure
IP-1041	Use of Triton to Monitor Noblegas
IP-1043	Operation of the NYS Radiological Emergency Communications System (RECS)
IP-1048	Deescalation of Emergency and Initiation of Recovery

Plus Immediate Action Procedures for ED, TA, ORAD, DAHP, STHP, MIDAS, EOF COMM, EOF CLERICAL

7. Security Building(s) or Security Control Points

It is to be noted that all normal practices, such as sign-out and use of the hand and foot monitor and the portal monitor, are to be accomplished unless the Rad Prot Technician gives other directions because of radiological conditions. The Observer/Controller will pay special attention to the above along with the following:

* Timely activation or establishment of control points.

* No one is wearing Anti-C clothing when leaving the site.

* All alarms from monitoring equipment or computer card terminals are acknowledged.

The following procedures are to be used in the evaluation:

IP-1017 Issuance and Use of Radiological Equipment Stored in the Command Guard House

8. Onsite Monitoring Teams

Onsite monitoring teams will normally be assigned field survey work onsite, outside of the protected area fence, and the the Service Center building complex.
Check on the following items:

* Received KI dose (simulated) from ORAD if required.

  NOTE: Do not actually take the KI Dose.

* They have a dosimeter and TLD badge.

* They have a charcoal filter respirator when leaving the building complex to perform a survey.

* Radio check performed before leaving the EOF parking lot.

* Field readings taken along the route to the designated area. Simulated field data will only be available at designated monitoring points.

* Work performed in a professional manner.

* Data forms filled out as appropriate and turned in to the ORAD/Health Physicist.

The following procedures are to be used in the evaluation:

IP-1006 Site Perimeter Surveys
IP-1008 Personnel Radiological Check and Decontamination
IP-1009 Radiological Check and Decontamination of Vehicles
IP-1014 Radiological Check of Equipment Before it Leaves the Site
IP-1028 Onsite (out of plant) Field Surveys

9. Offsite Monitoring Teams

The Observer/Controller should observe the following:

* Received KI dose (simulated) from ORAD if required.

NOTE: Do not actually take the KI dose.

* Operational check performed on survey instruments, sample counter and sample pump before leaving the EOF parking lot.

* Equipment check-off performed.

* Assignment of badges and dosimeters before leaving the EOF parking lot.

* Charcoal cartridge respirator made available before leaving EOF parking lot.

* Survey instrument made ready to take field readings.

* Radio check-out by communication to EOF before leaving.

* Beta and gamma field surveys performed on the way to sample point.

* Sampling and field surveys performed at sample location.

* Instrument calibration performed and samples counted.

* Air sampling started.

The following procedures are to be used in the evaluation:

IP-1004	Post Accident Offsite Environmental Surveys, Sampling and Counting
IP-1006	Site Perimeter Surveys
IP-1008	Personnel Radiological Check and Decontamination
IP-1009	Radiological Check and Decontamination of Vehicles
IP-1015	Mobilization and Operational Procedure for Offsite Monitoring Teams - Immediate Response
IP-1020	Airborne Radioiodine Determination
IP-1034	Mobilization and Operational Procedure for Off-site Monitoring Teams - Supplemental Response
IP-1039	Offsite Contamination Checks

10. Health Physics Technician (HPT)

The Observer/Controller should observe the following:

* HPT follows his instructions indicated in immediate action procedures.

* HPT follows instructions from SWS or OSC coordinator.

* HPT performs survey as indicated using appropriate instrumentation.

* HPT performs duties during medical emergency as indicated in IP-1012.

The following procedures are to be used in the evaluation:

IP-1010 Search and Rescue Teams
IP-1011 Repair and Corrective Action
IP-1012 Onsite Medical Emergency
IP-1020 Airborne Radioiodine Determination
IP-1042 In-Plant Radiological Surveys and Sampling

Plus Immediate Action Procedure WATCH H.P.

11. Chemistry Technician

The Observer/Controller should observe the following:

* Chemistry Technician follows Chemistry Procedures as appropriate.

* Samples are actually collected and counted, as indicated by the scenario.

* Results of sample counting (simulated and real) are transmitted to the SWS or OSC Coordinator as appropriate.

The following procedures are to be used in the evaluation:

IPC-E-001 Post Accident Sampling and Analysis of Reactor Coolant
IPC-E-002 Post Accident Sampling and Analysis of the Vapor Containment Atmosphere
IPC-E-003 Post Accident Sampling and Analysis of Plant Discharges to Atmosphere
IPC-E-004 Post Accident Sampling and Analysis of Main Steam Releases to Atmosphere

12. Maintenance Repair Team

The Observer/Controller should observe the following:

* Response and repair time.

* Proper equipment brought to perform the work.

* Maintenance Repair Team members follow Health Physics Technician's instructions.

* Radiological precautions taken.

The following procedures are to be used in the evaluation.

IP-1010	Search and Rescue Teams
IP-1011	Repair and Corrective Action
IP-1023	Operational Support Center

SCENARIO NO. 1992

CONSOLIDATED EDISON COMPANY OF NEW YORK
INDIAN POINT UNIT NO. 2

EMERGENCY PREPAREDNESS EXERCISE

OBSERVER/CONTROLLER LOG SHEET

Name: _____ Date: _____

Location: _____

TIME	OBSERVATION/COMMENT

EMERGENCY DRILL PARTICIPANT ASSIGNMENT SHEET
CONTROLLERS-OBSERVERS

LOCATION	POSITION	NAME
CCR	Chief Controller	
	Controller	
	Controller - SWS Dose Assm't	------
	Controller - Communicators	------
	Controller - Watch Rad Prot Tech	
	Controller - Watch Chem Tech	
	Controller - Medical	------
	Controller - Fire Brigade	
	Controller - NPO	
	Controller - Data Displayer	
TSC	Controller	
	Observer - Info flow & utilization	------
	Observer - Communicator	
OSC	Controller - Coordinators TSC 53'	
	Controller - OSC Team (Maint)	
	Controller - OSC Team (Maint)	
	Controller - OSC Team (I&C)	
	Controller - OSC Team (Rad Prot)	
	Controller - OSC Team (Chem)	
	Controller - 72' elevation	
EOF	Controller	
	Observer - Communicators	
	Observer - Dose Assm't	

EMERGENCY DRILL PARTICIPANT ASSIGNMENT SHEET
CONTROLLERS-OBSERVERS

LOCATION	POSITION	NAME
EOF	Controller - Emergency Director	
	Controller - Offsite Team	
	Controller - Offsite Team	
	Controller - Onsite Team	
ASSEMBLY	Observer - Area A-B	
	Observer - Simulator	
	Observer - Constr. Off. Complex	
	Observer - M.O. Bldg.	------
	Observer - 72' TS/Admin	
	Observer - Unit No. 1 Admin Bldg	
	Observer - Service Center	------
	Observer - Security Admin Bldg.	
SECURITY	Controller - Command Guard House	
	Observer - River Front Gate	------
	Observer - Main Gate	------
	Observer	------
ENC	Controller	
	Observer	
	Observer	
	Observer	
CIG	Controller	
CRC	Controller	

EMERGENCY DRILL PARTICIPANT ASSIGNMENT SHEET
CONTROLLERS-OBSERVERS

LOCATION	POSITION	NAME
ASTORIA-ECC	Controller	
	Controller - Offsite Team	
RC	Controller	------
AEOF	Controller	------

EMERGENCY DRILL PARTICIPANT ASSIGNMENT SHEET

JOB FUNCTION	NAME
Emergency Director (ED)	
Offsite Radiological Assessment Director	
Dose Assessment H.P.	
Survey Team H.P.	
Technical Advisor	
MIDAS Operators	
EOF Information Liaison	
Technical Advisor to Public Information	
Liaison to NYS EOC	------
EOF Communicator No. 1 & 2	
Offsite Team	
Onsite Team	
Astoria ECC Coordinator	
Astoria Backup Team(s)	
Meteorologist	
EOF Clerical	
SAS/Proteus Operator	
Plant Operations Manager	
TSC Manager	
I & C Coordinator	
Rad Protection Coordinator	
Maintenance Coordinator	

EMERGENCY DRILL PARTICIPANT ASSIGNMENT SHEET

JOB FUNCTION	NAME
Test & Performance Engineer	
Systems Analysis Coordinator	
TSC Communicator	
Data Courier	
TSC Communicator at CCR	
Data Processor at CCR	
Core Physics Engineer	
Document Controller	
Data Logger/SAS-Proteus Operator	
TSC Clerical	
OSC Manager	
Accountability Officer	
OSC Communicator	
Chemistry	
Maintenance	
Instrument & Control	
Quality Assurance	
Radiation Protection	
Material Control Storekeeper	
Accident Victim	------
METACON/First Aid Team	------

EMERGENCY DRILL PARTICIPANT ASSIGNMENT SHEET

JOB FUNCTION	NAME
Medical Representative	------
Senior Watch Supervisor	
Support Facility Supervisor	
Senior Reactor Operator	
Reactor Operator	
Nuclear Plant Operators (7)	
Shift Technical Advisor	
Control Room Communicator	
Security Supervisors	
Watch Rad Prot Tech	
Watch Chem Tech	------
Administration & Logistics Manager	
Engineering & Constr. Support Manager	
Central Information Group	Watch Person
Recovery Manager	------
Schedule & Planning Coordinator	------
Project Management Specialist	------
Emergency News Center Director	
Asst. Emergency News Center Director	
Corporate Spokesperson	------
Information Coordinator	
Information Gatherer	

EMERGENCY DRILL PARTICIPANT ASSIGNMENT SHEET

JOB FUNCTION	NAME
Writer	
Government Liaison	
Media Liaison	
Technical Expert	
Health Physics Expert	
Documenter	
Status Board Person	
Rumor Control Staff	
Inquiry Response Staff	
Audio/Visual Coordinator	
Registration Coordinator	
Telecopier Operator	
Photocopier Operator	
Typist	
Messenger	

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER TIME	08:00	08:15	8:30	08:45	09:00	09:15	09:30
Reactor Shutdown (Y/N)	N	N	N	N	N	N	N
NIS Power Range (%)	100	100	100	100	100	100	95
NIS Interim. Range #35 (Amps)	$3x10^{-4}$	$3x10^{-4}$	$3x10^{-4}$	$3x10^{-4}$	$3x10^{-4}$	$3x10^{-4}$	$3x10^{-4}$
NIS Interim. Range #36 (Amps)	$3x10^{-4}$	$3x10^{-4}$	$3x10^{-4}$	$3x10^{-4}$	$3x10^{-4}$	$3x10^{-4}$	$3x10^{-4}$
NIS Source Range #31 (CPM)	O/S	O/S	O/S	O/S	O/S	O/S	O/S
NIS Source Range #32 (CPM)	O/S	O/S	O/S	O/S	O/S	O/S	O/S
RCS Incor T/C (Center) (^{O}F)	601	601	601	601	601	601	598
RCS Incore T/C (Highest) (^{O}F)	603	603	603	603	603	603	601
RCS Pressure (PSIG)	2235	2235	2235	2235	2235	2235	2235
RCS Avg. Temp. (^{O}F)	559	559	559	559	559	559	557
RCS Cold Leg Temp. (^{O}F)	529	529	529	529	529	529	531
SAT Meter Margin (^{O}F)	29	29	29	29	29	29	30
RCP in Service (Y/N)	Y	Y	Y	Y	Y	Y	Y
Pressurizer Level (%)	40	40	40	40	40	40	39
Reactor Vessel Level (%)	120	120	120	120	120	120	120
S/G Levels #21 (%)	44	44	44	44	44	44	45
#22	44	44	44	44	44	44	45
#23	44	44	44	44	44	44	45
#24	44	44	44	44	44	44	45
S/G Press #21 (PSIG)	670	670	670	670	670	670	700
#22	670	670	670	670	670	670	700
#23	670	670	670	670	670	670	700
#24	670	670	670	670	670	670	700
VC Pressure (PSIG)	0	0	0	0	0	0	0
VC Temperature (^{O}F)	100	100	100	100	100	100	100
VC Sump Level (ft.)	<39.6	<39.6	<39.6	<39.6	<39.6	<39.6	<39.6
VC Hydrogen (%)	0	0	0	0	0	0	0
Aux FW Flow SG21 (GPM)	0	0	0	0	0	0	0
SG22 (GPM)	0	0	0	0	0	0	0
SG23 (GPM)	0	0	0	0	0	0	0
SG24 (GPM)	0	0	0	0	0	0	0
RWST Level (ft.)	36.5	36.5	36.5	36.5	36.5	36.5	36.5
Cond Stor Tk Level (ft.)	28	28	28	28	28	28	28

O/S = Out of Service

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER TIME	09:45	10:00	10:15	10:30	10:45	11:00	11:15
Reactor Shutdown (Y/N)	N	N	Y	Y	Y	Y	Y
NIS Power Range (%)	90	85	0	0	0	0	0
NIS Interim. Range #35 (Amps)	$3x10^{-4}$	$3x10^{-4}$	$1x10^{-8}$	$1x10^{-11}$	UNSTABLE	-	-
NIS Interim. Range #36 (Amps)	$3x10^{-4}$	$3x10^{-4}$	$1x10^{-8}$	$1x10^{-11}$	UNSTABLE	-	-
NIS Source Range #31 (CPM)	O/S	O/S	O/S	$5x10^{3}$	UNSTABLE	-	-
NIS Source Range #32 (CPM)	O/S	O/S	O/S	$5x10^{3}$	UNSTABLE	-	-
RCS Incor T/C (Center) (^{O}F)	595	590	600	1050	1050	1040	1030
RCS Incore T/C (Highest) (^{O}F)	599	598	620	1075	1080	1070	1050
RCS Pressure (PSIG)	2235	2235	30	30	29	29	28
RCS Avg. Temp. (^{O}F)	556	555	<540	<540	<540	<540	<540
RCS Cold Leg Temp. (^{O}F)	531	531	>800	>750	>750	>750	>750
SAT Meter Margin (^{O}F)	30	31	0	0	0	0	0
RCP in Service (Y/N)	Y	Y	N	N	N	N	N
Pressurizer Level (%)	39	39	0	0	0	0	O
Reactor Vessel Level (%)	120	120	56	34	32	30	28
S/G Levels #21 (%)	45	45	0	4	18	28	30
#22	45	45	0	3	16	28	30
#23	45	45	0	0	10	18	10
#24	45	45	0	2	11	20	11
S/G Press #21 (PSIG)	710	720	800	700	900	780	700
#22	710	720	800	700	800	700	680
#23	710	720	800	700	800	700	680
#24	710	720	800	700	900	750	750
VC Pressure (PSIG)	0	0	30	30	29	29	28
VC Temperature (^{O}F)	100	100	>150	>150	>150	>150	>150
VC Sump Level (ft.)	<39.6	<39.6	42	43	45	47	48
VC Hydrogen (%)	-	-	.5	0.1	.15	.15	.2
Aux FW Flow SG21 (GPM)	0	0	200	200	200	200	100
SG22 (GPM)	0	0	200	200	200	200	100
SG23 (GPM)	0	0	200	100	0	0	0
SG24 (GPM)	0	0	200	100	0	0	0
RWST Level (ft.)	36.5	36.5	36.5	36.5	32.5	27	21
Cond Stor Tk Level (ft.)	28	28	27.5	26.5	26	26	25.5

O/S = Out of Service

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER TIME	11:30	11:45	12:00	12:15	12:30	12:45	13:00
Reactor Shutdown (Y/N)	Y	Y	Y	Y	Y	Y	Y
NIS Power Range (%)	0	0	0	0	0	0	0
NIS Interim. Range #35 (Amps)	UNSTABLE	-	-	UNSTABLE	UNSTABLE	UNSTABLE	$<1x10^{-11}$
NIS Interim. Range #36 (Amps)	UNSTABLE	-	-	UNSTABLE	UNSTABLE	UNSTABLE	$<1x10^{-11}$
NIS Source Range #31 (CPM)	UNSTABLE	-	-	UNSTABLE	UNSTABLE	UNSTABLE	$<4x10^{1}$
NIS Source Range #32 (CPM)	UNSTABLE	-	-	UNSTABLE	UNSTABLE	UNSTABLE	$<5x10^{1}$
RCS Incor T/C (Center) (^{O}F)	1020	1000	1000	1170	1130	1050	870
RCS Incore T/C (Highest) (^{O}F)	1050	1020	1020	1170	1130	275	275
RCS Pressure (PSIG)	28	27	27	24	22	18	16
RCS Avg. Temp. (^{O}F)	<540	<540	<540	<540	<540	<540	<540
RCS Cold Leg Temp. (^{O}F)	>700	>700	>700	>700	650	630	630
SAT Meter Margin (^{O}F)	0	0	0	0	0	0	0
RCP in Service (Y/N)	N	N	N	N	N	N	N
Pressurizer Level (%)	0	0	0	0	0	0	0
Reactor Vessel Level (%)	26	28	30	60	60	60	60
S/G Levels #21 (%)	45	45	45	45	45	45	45
#22	40	45	45	45	45	45	45
#23	11	11	11	11	11	11	11
#24	11	11	33	33	33	33	33
S/G Press #21 (PSIG)	600	500	500	305	325	328	328
#22	550	428	425	236	236	300	300
#23	550	428	425	231	231	231	230
#24	600	500	500	395	395	395	395
VC Pressure (PSIG)	28	27	27	25	22	18	16
VC Temperature (^{O}F)	>150	>150	>150	>150	>150	>150	>150
VC Sump Level (ft.)			49	49	49	49	49
VC Hydrogen (%)	.15	.2	.2	.2	.2	.2	.2
Aux FW Flow SG21 (GPM)	100	100	0	0	0	0	0
SG22 (GPM)	100	100	0	0	0	0	0
SG23 (GPM)	0	0	0	0	0	0	0
SG24 (GPM)	0	0	0	0	0	0	0
RWST Level (ft.)	16	9.24	9	9	9	9	9
Cond Stor Tk Level (ft.)	25	24	23	23	23	23	23

O/S = Out of Service

SCENARIO NO. 1992

PLANT STATUS LOG

**Two days later

PARAMETER TIME	13:15	13:30	13:45
Reactor Shutdown (Y/N)	Y	Y	Y
NIS Power Range (%)	0	0	0
NIS Interim. Range #35 (Amps)	$<1x10^{-11}$	$<1x10^{-11}$	$<1x10^{-11}$
NIS Interim. Range #36 (Amps)	$<1x10^{-11}$	$<1x10^{-11}$	$<1x10^{-11}$
NIS Source Range #31 (CPM)	$<4x10^{1}$	$<4x10^{1}$	$<4x10^{1}$
NIS Source Range #32 (CPM)	$<5x10^{1}$	$<5x10^{1}$	$<5x10^{1}$
RCS Incor T/C (Center) (°F)	800	750	<200
RCS Incore T/C (Highest) (°F)	820	750	<200
RCS Pressure (PSIG)	15	14	0
RCS Avg. Temp. (°F)	<540	<540	<540
RCS Cold Leg Temp. (°F)	600	590	180
SAT Meter Margin (°F)	0	0	0
RCP in Service (Y/N)	N	N	N
Pressurizer Level (%)	0	0	0
Reactor Vessel Level (%)	60	60	60
S/G Levels #21 (%)	45	45	45
#22	45	45	45
#23	11	11	11
#24	33	33	33
S/G Press #21 (PSIG)	240	240	0
#22	240	240	0
#23	240	240	0
#24	240	240	0
VC Pressure (PSIG)	15	14	0
VC Temperature (°F)	>100	>150	>100
VC Sump Level (ft.)	49	49	49
VC Hydrogen (%)	.2	.2	.0
Aux FW Flow SG21 (GPM)	0	0	0
SG22 (GPM)	0	0	0
SG23 (GPM)	0	0	0
SG24 (GPM)	0	0	0
RWST Level (ft.)	8	8	8
Cond Stor Tk Level (ft.)	23	23	23

O/S = Out of Service

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 08:00
Offsite Power Available	138KV	O
	13.8KV	S
6900 Volt	BUS NO. 1	O
	BUS NO. 2	O
	BUS NO. 3	O
	BUS NO. 4	O
	BUS NO. 5	O
	BUS NO. 6	O
480 Volt	BUS 5A	O
	BUS 2A	O
	BUS 3A	O
	BUS 6A	O
Emergency D/Gs	#21	S
	#22	S
	#23	O/S
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	S
	#22	S
	#23	S
RHR Pumps	#21	S
	#22	S
Charging Pumps	#21	O
	#22	S
	#23	S
Rx Coolant Pumps	#21	O
	#22	O
	#23	O
	#24	O
Component Cooling Pumps	#21	S
	#22	O
	#23	O
Aux Component Cooling Pumps	#21	S
	#22	S
Aux Feed Water Pumps	#21	S
	#22	S
	#23	S
Containment Spray Pumps	#21	S
	#22	S
Recirculation Pumps	#21	S
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 08:00
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	S
	#23	O
	#24	O
	#25	S
	#26	O
Circ Water Pumps	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
	#26	O
Condensate Pumps	#21	O
	#22	O
	#23	O
Comp. Cool Heat Exch	#21	O
	#22	S
RHR Heat Exchanger	#21	S
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
VC Isol. Phase A Complete	(Y/N)	N
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions		NONE
High Head SIS Flow	#21 (GPM)	S
	#22 (GPM)	S
	#23 (GPM)	S
	#24 (GPM)	S
Low Head SIS Flow	#21 (GPM)	S
	#22 (GPM)	S
	#23 (GPM)	S
	#24 (GPM)	S
Accumulator Level	#21 (%)	62
	#22 (%)	62
	#23 (%)	65
	#24 (%)	62

Legend O = Operating
O/S = Out of Service used to denote defective equipment
S = Standby
* = Change on status from previous log

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 08:15
Offsite Power Available	138KV	O
	13.8KV	S
6900 Volt	BUS NO. 1	O
	BUS NO. 2	O
	BUS NO. 3	O
	BUS NO. 4	O
	BUS NO. 5	O
	BUS NO. 6	O
480 Volt	BUS 5A	O
	BUS 2A	O
	BUS 3A	O
	BUS 6A	O
Emergency D/Gs	#21	S
	#22	S
	#23	O/S
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	S
	#22	S
	#23	S
RHR Pumps	#21	S
	#22	S
Charging Pumps	#21	O
	#22	S
	#23	S
Rx Coolant Pumps	#21	O
	#22	O
	#23	O
	#24	O
Component Cooling Pumps	#21	S
	#22	O
	#23	O
Aux Component Cooling Pumps	#21	S
	#22	S
Aux Feed Water Pumps	#21	S
	#22	S
	#23	S
Containment Spray Pumps	#21	S
	#22	S
Recirculation Pumps	#21	S
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 08:15
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	S
	#23	O
	#24	O
	#25	S
	#26	O
Circ Water Pumps	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
	#26	O
Condensate Pumps	#21	O
	#22	O
	#23	O
Comp. Cool Heat Exch	#21	O
	#22	S
RHR Heat Exchanger	#21	S
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
VC Isol. Phase A Complete	(Y/N)	N
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions		NONE
High Head SIS Flow	#21 (GPM)	S
	#22 (GPM)	S
	#23 (GPM)	S
	#24 (GPM)	S
Low Head SIS Flow	#21 (GPM)	S
	#22 (GPM)	S
	#23 (GPM)	S
	#24 (GPM)	S
Accumulator Level	#21 (%)	62
	#22 (%)	62
	#23 (%)	65
	#24 (%)	62

Legend O = Operating
O/S = Out of Service used to denote defective equipment
S = Standby
* = Change on status from previous log

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 08:30
Offsite Power Available	138KV	O
	13.8KV	S
6900 Volt	BUS NO. 1	O
	BUS NO. 2	O
	BUS NO. 3	O
	BUS NO. 4	O
	BUS NO. 5	O
	BUS NO. 6	O
480 Volt	BUS 5A	O
	BUS 2A	O
	BUS 3A	O
	BUS 6A	O
Emergency D/Gs	#21	S
	#22	S
	#23	O/S
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	S
	#22	S
	#23	S
RHR Pumps	#21	O
	#22	S
Charging Pumps	#21	S
	#22	S
	#23	S
Rx Coolant Pumps	#21	O
	#22	O
	#23	O
	#24	O
Component Cooling Pumps	#21	S
	#22	O
	#23	O
Aux Component Cooling Pumps	#21	S
	#22	S
Aux Feed Water Pumps	#21	S
	#22	S
	#23	S
Containment Spray Pumps	#21	S
	#22	S
Recirculation Pumps	#21	S
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 08:30
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	S
	#23	O
	#24	O
	#25	S
	#26	O
Circ Water Pumps	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
	#26	O
Condensate Pumps	#21	O
	#22	O
	#23	O
Comp. Cool Heat Exch	#21	O
	#22	S
RHR Heat Exchanger	#21	S
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
VC Isol. Phase A Complete	(Y/N)	N
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions		NONE
High Head SIS Flow	#21 (GPM)	S
	#22 (GPM)	S
	#23 (GPM)	S
	#24 (GPM)	S
Low Head SIS Flow	#21 (GPM)	S
	#22 (GPM)	S
	#23 (GPM)	S
	#24 (GPM)	S
Accumulator Level	#21 (%)	62
	#22 (%)	62
	#23 (%)	65
	#24 (%)	62

Legend O = Operating
O/S = Out of Service used to denote defective equipment
S = Standby
* = Change on status from previous log

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 08:45
Offsite Power Available	138KV	O
	13.8KV	S
6900 Volt	BUS NO. 1	O
	BUS NO. 2	O
	BUS NO. 3	O
	BUS NO. 4	O
	BUS NO. 5	O
	BUS NO. 6	O
480 Volt	BUS 5A	O
	BUS 2A	O
	BUS 3A	O
	BUS 6A	O
Emergency D/Gs	#21	S
	#22	S
	#23	O/S
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	S
	#22	S
	#23	S
RHR Pumps	#21	S
	#22	S
Charging Pumps	#21	O
	#22	S
	#23	S
Rx Coolant Pumps	#21	O
	#22	O
	#23	O
	#24	O
Component Cooling Pumps	#21	S
	#22	O
	#23	O
Aux Component Cooling Pumps	#21	S
	#22	S
Aux Feed Water Pumps	#21	S
	#22	S
	#23	S
Containment Spray Pumps	#21	S
	#22	S
Recirculation Pumps	#21	S
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 08:45
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	S
	#23	O
	#24	O
	#25	S
	#26	O
Circ Water Pumps	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
	#26	O
Condensate Pumps	#21	O
	#22	O
	#23	O
Comp. Cool Heat Exch	#21	O
	#22	O
RHR Heat Exchanger	#21	S
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
VC Isol. Phase A Complete	(Y/N)	N
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions		NONE
High Head SIS Flow	#21 (GPM)	S
	#22 (GPM)	S
	#23 (GPM)	S
	#24 (GPM)	S
Low Head SIS Flow	#21 (GPM)	S
	#22 (GPM)	S
	#23 (GPM)	S
	#24 (GPM)	S
Accumulator Level	#21 (%)	62
	#22 (%)	62
	#23 (%)	65
	#24 (%)	62

Legend O = Operating
O/S = Out of Service used to denote defective equipment
S = Standby
* = Change on status from previous log

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 09:00
Offsite Power Available	138KV	O
	13.8KV	S
6900 Volt	BUS NO. 1	O
	BUS NO. 2	O
	BUS NO. 3	O
	BUS NO. 4	O
	BUS NO. 5	O
	BUS NO. 6	O
480 Volt	BUS 5A	O
	BUS 2A	O
	BUS 3A	O
	BUS 6A	O
Emergency D/Gs	#21	S
	#22	S
	#23	O/S
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	S
	#22	S
	#23	S
RHR Pumps	#21	S
	#22	S
Charging Pumps	#21	O/S*
	#22	S
	#23	S
Rx Coolant Pumps	#21	O
	#22	O
	#23	O
	#24	O
Component Cooling Pumps	#21	O
	#22	O
	#23	S
Aux Component Cooling Pumps	#21	S
	#22	S
Aux Feed Water Pumps	#21	S
	#22	S
	#23	S
Containment Spray Pumps	#21	S
	#22	S
Recirculation Pumps	#21	S
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 09:00
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	O
	#23	S
	#24	O
	#25	O
	#26	S
Circ Water Pumps	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
	#26	O
Condensate Pumps	#21	O
	#22	O
	#23	O
Comp. Cool Heat Exch	#21	O
	#22	O
RHR Heat Exchanger	#21	S
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
VC Isol. Phase A Complete	(Y/N)	N
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions		NONE
High Head SIS Flow	#21 (GPM)	O
	#22 (GPM)	O
	#23 (GPM)	O
	#24 (GPM)	O
Low Head SIS Flow	#21 (GPM)	O
	#22 (GPM)	O
	#23 (GPM)	O
	#24 (GPM)	O
Accumulator Level	#21 (%)	67
	#22 (%)	66
	#23 (%)	67
	#24 (%)	68

Legend O = Operating
O/S = Out of Service used to denote defective equipment
S = Standby
* = Change on status from previous log

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 09:15
Offsite Power Available	138KV	O
	13.8KV	S
6900 Volt	BUS NO. 1	O
	BUS NO. 2	O
	BUS NO. 3	O
	BUS NO. 4	O
	BUS NO. 5	O
	BUS NO. 6	O
480 Volt	BUS 5A	O
	BUS 2A	O
	BUS 3A	O
	BUS 6A	O
Emergency D/Gs	#21	S
	#22	S
	#23	O/S
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	S
	#22	S
	#23	S
RHR Pumps	#21	S
	#22	S
Charging Pumps	#21	O/S
	#22	O *
	#23	S
Rx Coolant Pumps	#21	O
	#22	O
	#23	O
	#24	O
Component Cooling Pumps	#21	O
	#22	O
	#23	S
Aux Component Cooling Pumps	#21	S
	#22	S
Aux Feed Water Pumps	#21	S
	#22	S
	#23	S
Containment Spray Pumps	#21	S
	#22	S
Recirculation Pumps	#21	S
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 09:15
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	O
	#23	S
	#24	O
	#25	O
	#26	S
Circ Water Pumps	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
	#26	O
Condensate Pumps	#21	O
	#22	O
	#23	O
Comp. Cool Heat Exch	#21	O
	#22	O
RHR Heat Exchanger	#21	S
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
VC Isol. Phase A Complete	(Y/N)	N
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions		NONE
High Head SIS Flow	#21 (GPM)	O
	#22 (GPM)	O
	#23 (GPM)	O
	#24 (GPM)	O
Low Head SIS Flow	#21 (GPM)	O
	#22 (GPM)	O
	#23 (GPM)	O
	#24 (GPM)	O
Accumulator Level	#21 (%)	67
	#22 (%)	66
	#23 (%)	67
	#24 (%)	68

Legend O = Operating
O/S = Out of Service used to denote defective equipment
S = Standby
* = Change on status from previous log

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 09:30
Offsite Power Available	138KV	O
	13.8KV	S
6900 Volt	BUS NO. 1	O
	BUS NO. 2	O
	BUS NO. 3	O
	BUS NO. 4	O
	BUS NO. 5	O
	BUS NO. 6	O
480 Volt	BUS 5A	O
	BUS 2A	O
	BUS 3A	O
	BUS 6A	O
Emergency D/Gs	#21	S
	#22	S
	#23	O/S
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	S
	#22	S
	#23	S
RHR Pumps	#21	S
	#22	S
Charging Pumps	#21	O/S
	#22	O
	#23	S
Rx Coolant Pumps	#21	O
	#22	O
	#23	O
	#24	O
Component Cooling Pumps	#21	O
	#22	O
	#23	S
Aux Component Cooling Pumps	#21	S
	#22	S
Aux Feed Water Pumps	#21	S
	#22	S
	#23	S
Containment Spray Pumps	#21	S
	#22	S
Recirculation Pumps	#21	S
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 09:30
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	O
	#23	S
	#24	O
	#25	O
	#26	S
Circ Water Pumps	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
	#26	O
Condensate Pumps	#21	O
	#22	O
	#23	O
Comp. Cool Heat Exch	#21	O
	#22	O
RHR Heat Exchanger	#21	S
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
VC Isol. Phase A Complete	(Y/N)	N
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions		NONE
High Head SIS Flow	#21 (GPM)	O
	#22 (GPM)	O
	#23 (GPM)	O
	#24 (GPM)	O
Low Head SIS Flow	#21 (GPM)	O
	#22 (GPM)	O
	#23 (GPM)	O
	#24 (GPM)	O
Accumulator Level	#21 (%)	67
	#22 (%)	66
	#23 (%)	67
	#24 (%)	68

Legend O = Operating
O/S = Out of Service used to denote defective equipment
S = Standby
* = Change on status from previous log

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 09:45
Offsite Power Available	138KV	O
	13.8KV	S
6900 Volt	BUS NO. 1	O
	BUS NO. 2	O
	BUS NO. 3	O
	BUS NO. 4	O
	BUS NO. 5	O
	BUS NO. 6	O
480 Volt	BUS 5A	O
	BUS 2A	O
	BUS 3A	O
	BUS 6A	O
Emergency D/Gs	#21	S
	#22	S
	#23	O/S
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	S
	#22	S
	#23	S
RHR Pumps	#21	S
	#22	S
Charging Pumps	#21	O/S
	#22	O
	#23	S
Rx Coolant Pumps	#21	O
	#22	O
	#23	O
	#24	O
Component Cooling Pumps	#21	O
	#22	O
	#23	S
Aux Component Cooling Pumps	#21	S
	#22	S
Aux Feed Water Pumps	#21	S
	#22	S
	#23	S
Containment Spray Pumps	#21	S
	#22	S
Recirculation Pumps	#21	S
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 09:45
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	O
	#23	S
	#24	O
	#25	O
	#26	S
Circ Water Pumps	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
	#26	O
Condensate Pumps	#21	O
	#22	O
	#23	O
Comp. Cool Heat Exch	#21	O
	#22	O
RHR Heat Exchanger	#21	S
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
VC Isol. Phase A Complete	(Y/N)	N
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions		NONE
High Head SIS Flow	#21 (GPM)	O
	#22 (GPM)	O
	#23 (GPM)	O
	#24 (GPM)	O
Low Head SIS Flow	#21 (GPM)	O
	#22 (GPM)	O
	#23 (GPM)	O
	#24 (GPM)	O
Accumulator Level	#21 (%)	67
	#22 (%)	66
	#23 (%)	67
	#24 (%)	68

Legend O = Operating
O/S = Out of Service used to denote defective equipment
S = Standby
* = Change on status from previous log

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 10:00
Offsite Power Available	138KV	O
	13.8KV	S
6900 Volt	BUS NO. 1	O
	BUS NO. 2	O
	BUS NO. 3	O
	BUS NO. 4	O
	BUS NO. 5	O
	BUS NO. 6	O
480 Volt	BUS 5A	O
	BUS 2A	O
	BUS 3A	O
	BUS 6A	O
Emergency D/Gs	#21	S
	#22	S
	#23	O/S
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	S
	#22	S
	#23	S
RHR Pumps	#21	S
	#22	S
Charging Pumps	#21	O/S
	#22	O
	#23	S
Rx Coolant Pumps	#21	O
	#22	O
	#23	O
	#24	O
Component Cooling Pumps	#21	O
	#22	O
	#23	S
Aux Component Cooling Pumps	#21	S
	#22	S
Aux Feed Water Pumps	#21	S
	#22	S
	#23	S
Containment Spray Pumps	#21	S
	#22	S
Recirculation Pumps	#21	S
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 10:00
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	O
	#23	S
	#24	O
	#25	O
	#26	S
Circ Water Pumps	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
	#26	O
Condensate Pumps	#21	O
	#22	O
	#23	O
Comp. Cool Heat Exch	#21	O
	#22	O
RHR Heat Exchanger	#21	S
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
VC Isol. Phase A Complete	(Y/N)	N
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions		NONE
High Head SIS Flow	#21 (GPM)	O
	#22 (GPM)	O
	#23 (GPM)	O
	#24 (GPM)	O
Low Head SIS Flow	#21 (GPM)	O
	#22 (GPM)	O
	#23 (GPM)	O
	#24 (GPM)	O
Accumulator Level	#21 (%)	67
	#22 (%)	66
	#23 (%)	67
	#24 (%)	68

Legend O = Operating
O/S = Out of Service used to denote defective equipment
S = Standby
* = Change on status from previous log

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 10:15
Offsite Power Available	138KV	O/S*
	13.8KV	S
6900 Volt	BUS NO. 1	S*
	BUS NO. 2	S*
	BUS NO. 3	S*
	BUS NO. 4	S*
	BUS NO. 5	S*
	BUS NO. 6	S*
480 Volt	BUS 5A	O
	BUS 2A	S*
	BUS 3A	S*
	BUS 6A	S*
Emergency D/Gs	#21	O*
	#22	O/S*
	#23	O/S
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	O/S*
	#22	S
	#23	S
RHR Pumps	#21	S
	#22	S
Charging Pumps	#21	O/S
	#22	S
	#23	S
Rx Coolant Pumps	#21	S*
	#22	S*
	#23	S*
	#24	S*
Component Cooling Pumps	#21	S*
	#22	S*
	#23	S
Aux Component Cooling Pumps	#21	O*
	#22	S
Aux Feed Water Pumps	#21	S
	#22	O*
	#23	S
Containment Spray Pumps	#21	O/S*
	#22	S
Recirculation Pumps	#21	S
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 10:15
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	S
	#23	S
	#24	S
	#25	S*
	#26	S
Circ Water Pumps	#21	S*
	#22	S*
	#23	S*
	#24	S*
	#25	S*
	#26	S*
Condensate Pumps	#21	S*
	#22	S*
	#23	S*
Comp. Cool Heat Exch	#21	O
	#22	O
RHR Heat Exchanger	#21	S
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	S*
	#24	S*
	#25	S*
VC Isol. Phase A Complete	(Y/N)	Y*
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions	ONE PHASE B VALVES EACH LINE FAILED TO CLOSE	
High Head SIS Flow	#21 (GPM)	O
	#22 (GPM)	O
	#23 (GPM)	O
	#24 (GPM)	O
Low Head SIS Flow	#21 (GPM)	O
	#22 (GPM)	O
	#23 (GPM)	O
	#24 (GPM)	O
Accumulator Level	#21 (%)	O*
	#22 (%)	O*
	#23 (%)	O*
	#24 (%)	O*

Legend O = Operating
O/S = Out of Service used to denote defective equipment
S = Standby
* = Change on status from previous log

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER			TIME 10:30
Offsite Power Available		138KV	O/S
		13.8KV	S
6900 Volt	BUS	NO. 1	O/S
	BUS	NO. 2	O/S
	BUS	NO. 3	O/S
	BUS	NO. 4	O/S
	BUS	NO. 5	O/S
	BUS	NO. 6	O/S
480 Volt	BUS	5A	O
	BUS	2A	O*
	BUS	3A	O*
	BUS	6A	O/S
Emergency D/Gs		#21	O
		#22	O*
		#23	O/S
Gas Turbines		GT-1	S
		GT-2	S
		GT-3	S
SIS Pumps		#21	O/S
		#22	O*
		#23	S
RHR Pumps		#21	O*
		#22	O/S
Charging Pumps		#21	O/S
		#22	O*
		#23	S
Rx Coolant Pumps		#21	S
		#22	S
		#23	S
		#24	S
Component Cooling Pumps		#21	S
		#22	S
		#23	S
Aux Component Cooling Pumps		#21	O
		#22	S
Aux Feed Water Pumps		#21	O*
		#22	O
		#23	S
Containment Spray Pumps		#21	O/S
		#22	S
Recirculation Pumps		#21	S
		#22	S
Hydrogen Recombiner		#21	S
		#22	S

PARAMETER		TIME 10:30
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	O*
	#23	S
	#24	S
	#25	S
	#26	S
Circ Water Pumps	#21	S
	#22	S
	#23	S
	#24	S
	#25	S
	#26	S
Condensate Pumps	#21	S
	#22	S
	#23	S
Comp. Cool Heat Exch	#21	O
	#22	O
RHR Heat Exchanger	#21	S
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O*
	#24	O*
	#25	S
VC Isol. Phase A Complete	(Y/N)	Y
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions	ONE PHASE B VALVES EACH LINE FAILED TO CLOSE	
High Head SIS Flow	#21 (GPM)	230
	#22 (GPM)	230
	#23 (GPM)	230
	#24 (GPM)	230
Low Head SIS Flow	#21 (GPM)	630
	#22 (GPM)	680
	#23 (GPM)	630
	#24 (GPM)	680
Accumulator Level	#21 (%)	O
	#22 (%)	O
	#23 (%)	O
	#24 (%)	O

Legend O = Operating
O/S = Out of Service used to denote defective equipment
S = Standby
* = Change on status from previous log

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 10:45
Offsite Power Available	138KV	O/S
	13.8KV	O/S*
6900 Volt	BUS NO. 1	S
	BUS NO. 2	S
	BUS NO. 3	S
	BUS NO. 4	S
	BUS NO. 5	S
	BUS NO. 6	O/S
480 Volt	BUS 5A	O
	BUS 2A	O
	BUS 3A	O
	BUS 6A	O/S
Emergency D/Gs	#21	O
	#22	O
	#23	O/S
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	O/S
	#22	O
	#23	S
RHR Pumps	#21	O
	#22	O/S
Charging Pumps	#21	O/S
	#22	O
	#23	S
Rx Coolant Pumps	#21	S
	#22	S
	#23	S
	#24	S
Component Cooling Pumps	#21	S
	#22	S
	#23	S
Aux Component Cooling Pumps	#21	O
	#22	S
Aux Feed Water Pumps	#21	O
	#22	O
	#23	S
Containment Spray Pumps	#21	O/S
	#22	S
Recirculation Pumps	#21	S
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 10:45
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	O
	#23	S
	#24	S
	#25	S
	#26	S
Circ Water Pumps	#21	S
	#22	S
	#23	S
	#24	S
	#25	S
	#26	S
Condensate Pumps	#21	S
	#22	S
	#23	S
Comp. Cool Heat Exch	#21	O
	#22	O
RHR Heat Exchanger	#21	S
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S
VC Isol. Phase A Complete	(Y/N)	Y
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions	ONE PHASE B VALVES EACH LINE FAILED TO CLOSE	
High Head SIS Flow	#21 (GPM)	230
	#22 (GPM)	230
	#23 (GPM)	230
	#24 (GPM)	230
Low Head SIS Flow	#21 (GPM)	630
	#22 (GPM)	680
	#23 (GPM)	630
	#24 (GPM)	680
Accumulator Level	#21 (%)	O
	#22 (%)	O
	#23 (%)	O
	#24 (%)	O

Legend O = Operating
O/S = Out of Service used to denote defective equipment
S = Standby
* = Change on status from previous log

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 11:00
Offsite Power Available	138KV	O/S
	13.8KV	S
6900 Volt	BUS NO. 1	S
	BUS NO. 2	S
	BUS NO. 3	S
	BUS NO. 4	S
	BUS NO. 5	S
	BUS NO. 6	S
480 Volt	BUS 5A	O
	BUS 2A	O
	BUS 3A	O
	BUS 6A	O/S
Emergency D/Gs	#21	O
	#22	O
	#23	O/S
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	O/S
	#22	O
	#23	S
RHR Pumps	#21	O
	#22	O/S
Charging Pumps	#21	O/S
	#22	O
	#23	S
Rx Coolant Pumps	#21	S
	#22	S
	#23	S
	#24	S
Component Cooling Pumps	#21	S
	#22	S
	#23	S
Aux Component Cooling Pumps	#21	O
	#22	S
Aux Feed Water Pumps	#21	O
	#22	O
	#23	S
Containment Spray Pumps	#21	O/S
	#22	S
Recirculation Pumps	#21	S
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 11:00
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	O
	#23	S
	#24	S
	#25	S
	#26	S
Circ Water Pumps	#21	S
	#22	S
	#23	S
	#24	S
	#25	S
	#26	S
Condensate Pumps	#21	O
	#22	O
	#23	S
Comp. Cool Heat Exch	#21	O
	#22	O
RHR Heat Exchanger	#21	S
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S
VC Isol. Phase A Complete	(Y/N)	Y
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions	ONE PHASE B VALVES EACH LINE FAILED TO CLOSE	
High Head SIS Flow	#21 (GPM)	230
	#22 (GPM)	230
	#23 (GPM)	230
	#24 (GPM)	230
Low Head SIS Flow	#21 (GPM)	630
	#22 (GPM)	630
	#23 (GPM)	630
	#24 (GPM)	630
Accumulator Level	#21 (%)	O
	#22 (%)	O
	#23 (%)	O
	#24 (%)	O

Legend O = Operating
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S = Standby
* = Change on status from previous log

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 11:15
Offsite Power Available	138KV	O/S
	13.8KV	O/S
6900 Volt	BUS NO. 1	S
	BUS NO. 2	S
	BUS NO. 3	S
	BUS NO. 4	S
	BUS NO. 5	S
	BUS NO. 6	S
480 Volt	BUS 5A	O
	BUS 2A	O
	BUS 3A	O
	BUS 6A	O/S
Emergency D/Gs	#21	O
	#22	O
	#23	O/S
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	O/S
	#22	O
	#23	S
RHR Pumps	#21	O
	#22	O/S
Charging Pumps	#21	O/S
	#22	O
	#23	S
Rx Coolant Pumps	#21	S
	#22	S
	#23	S
	#24	S
Component Cooling Pumps	#21	S
	#22	S
	#23	S
Aux Component Cooling Pumps	#21	O
	#22	S
Aux Feed Water Pumps	#21	O
	#22	O
	#23	S
Containment Spray Pumps	#21	O/S
	#22	S
Recirculation Pumps	#21	S
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 11:15
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	O
	#23	S
	#24	S
	#25	S
	#26	S
Circ Water Pumps	#21	S
	#22	S
	#23	S
	#24	S
	#25	S
	#26	S
Condensate Pumps	#21	S
	#22	S
	#23	S
Comp. Cool Heat Exch	#21	O
	#22	O
RHR Heat Exchanger	#21	S
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S
VC Isol. Phase A Complete	(Y/N)	Y
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions	ONE PHASE B VALVES EACH LINE FAILED TO CLOSE	
High Head SIS Flow	#21 (GPM)	230
	#22 (GPM)	230
	#23 (GPM)	230
	#24 (GPM)	230
Low Head SIS Flow	#21 (GPM)	630
	#22 (GPM)	680
	#23 (GPM)	630
	#24 (GPM)	680
Accumulator Level	#21 (%)	O
	#22 (%)	O
	#23 (%)	O
	#24 (%)	O

Legend O = Operating
O/S = Out of Service used to denote defective equipment
S = Standby
* = Change on status from previous log

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 11:30
Offsite Power Available	138KV	O/S
	13.8KV	O/S
6900 Volt	BUS NO. 1	S
	BUS NO. 2	S
	BUS NO. 3	S
	BUS NO. 4	S
	BUS NO. 5	S
	BUS NO. 6	S
480 Volt	BUS 5A	O
	BUS 2A	O
	BUS 3A	O
	BUS 6A	O/S
Emergency D/Gs	#21	O
	#22	O
	#23	O/S
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	O/S
	#22	O
	#23	S
RHR Pumps	#21	O
	#22	O/S
Charging Pumps	#21	O
	#22	S
	#23	S
Rx Coolant Pumps	#21	S
	#22	S
	#23	S
	#24	S
Component Cooling Pumps	#21	S
	#22	S
	#23	S
Aux Component Cooling Pumps	#21	O
	#22	S
Aux Feed Water Pumps	#21	O
	#22	O
	#23	S
Containment Spray Pumps	#21	O/S
	#22	S
Recirculation Pumps	#21	S
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 11:30
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	O
	#23	S
	#24	S
	#25	S
	#26	S
Circ Water Pumps	#21	S
	#22	S
	#23	S
	#24	S
	#25	S
	#26	S
Condensate Pumps	#21	S
	#22	S
	#23	S
Comp. Cool Heat Exch	#21	O
	#22	O
RHR Heat Exchanger	#21	S
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S
VC Isol. Phase A Complete	(Y/N)	Y
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions	ONE PHASE B VALVES EACH LINE FAILED TO CLOSE	
High Head SIS Flow	#21 (GPM)	230
	#22 (GPM)	230
	#23 (GPM)	230
	#24 (GPM)	230
Low Head SIS Flow	#21 (GPM)	630
	#22 (GPM)	680
	#23 (GPM)	630
	#24 (GPM)	680
Accumulator Level	#21 (%)	O
	#22 (%)	O
	#23 (%)	O
	#24 (%)	O

Legend O = Operating
O/S = Out of Service used to denote defective equipment
S = Standby
* = Change on status from previous log

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 11:45
Offsite Power Available	138KV	O/S
	13.8KV	O/S
6900 Volt	BUS NO. 1	S
	BUS NO. 2	S
	BUS NO. 3	S
	BUS NO. 4	S
	BUS NO. 5	S
	BUS NO. 6	S
480 Volt	BUS 5A	O
	BUS 2A	O
	BUS 3A	O
	BUS 6A	O/S
Emergency D/Gs	#21	O
	#22	O
	#23	O/S
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	O/S
	#22	O
	#23	S
RHR Pumps	#21	O
	#22	O/S
Charging Pumps	#21	O/S
	#22	O
	#23	S
Rx Coolant Pumps	#21	S
	#22	S
	#23	S
	#24	S
Component Cooling Pumps	#21	S
	#22	S
	#23	S
Aux Component Cooling Pumps	#21	O
	#22	S
Aux Feed Water Pumps	#21	O
	#22	O
	#23	S
Containment Spray Pumps	#21	O/S
	#22	S
Recirculation Pumps	#21	S
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 11:45
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	O
	#23	S
	#24	S
	#25	S
	#26	S
Circ Water Pumps	#21	S
	#22	S
	#23	S
	#24	S
	#25	S
	#26	S
Condensate Pumps	#21	S
	#22	S
	#23	S
Comp. Cool Heat Exch	#21	O
	#22	O
RHR Heat Exchanger	#21	S
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S
VC Isol. Phase A Complete	(Y/N)	Y
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions	ONE PHASE B VALVES EACH LINE FAILED TO CLOSE	
High Head SIS Flow	#21 (GPM)	230
	#22 (GPM)	230
	#23 (GPM)	230
	#24 (GPM)	230
Low Head SIS Flow	#21 (GPM)	630
	#22 (GPM)	680
	#23 (GPM)	630
	#24 (GPM)	680
Accumulator Level	#21 (%)	O
	#22 (%)	O
	#23 (%)	O
	#24 (%)	O

Legend O = Operating
O/S = Out of Service used to denote defective equipment
S = Standby
* = Change on status from previous log

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 12:00
Offsite Power Available	138KV	O/S
	13.8KV	O/S
6900 Volt	BUS NO. 1	S
	BUS NO. 2	S
	BUS NO. 3	S
	BUS NO. 4	S
	BUS NO. 5	S
	BUS NO. 6	S
480 Volt	BUS 5A	O
	BUS 2A	O
	BUS 3A	O
	BUS 6A	O/S
Emergency D/Gs	#21	O
	#22	O
	#23	O/S
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	O/S
	#22	S*
	#23	S
RHR Pumps	#21	S*
	#22	O/S
Charging Pumps	#21	O/S
	#22	S*
	#23	S
Rx Coolant Pumps	#21	S
	#22	S
	#23	S
	#24	S
Component Cooling Pumps	#21	S
	#22	O*
	#23	S
Aux Component Cooling Pumps	#21	O
	#22	S
Aux Feed Water Pumps	#21	O
	#22	O
	#23	S
Containment Spray Pumps	#21	O/S
	#22	S
Recirculation Pumps	#21	O*
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 12:00
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	O
	#23	S
	#24	S
	#25	O*
	#26	S
Circ Water Pumps	#21	S
	#22	S
	#23	S
	#24	S
	#25	S
	#26	S
Condensate Pumps	#21	S
	#22	S
	#23	S
Comp. Cool Heat Exch	#21	O
	#22	O
RHR Heat Exchanger	#21	O*
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S
VC Isol. Phase A Complete	(Y/N)	Y
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions	ONE PHASE B VALVES EACH LINE FAILED TO CLOSE	
High Head SIS Flow	#21 (GPM)	O*
	#22 (GPM)	O*
	#23 (GPM)	O*
	#24 (GPM)	O*
Low Head SIS Flow	#21 (GPM)	420*
	#22 (GPM)	460*
	#23 (GPM)	430*
	#24 (GPM)	460*
Accumulator Level	#21 (%)	O
	#22 (%)	O
	#23 (%)	O
	#24 (%)	O

Legend O = Operating
O/S = Out of Service used to denote defective equipment
S = Standby
* = Change on status from previous log

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 12:00
Offsite Power Available	138KV	O/S
	13.8KV	O/S
6900 Volt	BUS NO. 1	S
	BUS NO. 2	S
	BUS NO. 3	S
	BUS NO. 4	S
	BUS NO. 5	S
	BUS NO. 6	S
480 Volt	BUS 5A	O
	BUS 2A	O
	BUS 3A	O
	BUS 6A	O/S
Emergency D/Gs	#21	O
	#22	O
	#23	O/S
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	O/S
	#22	S*
	#23	S
RHR Pumps	#21	S*
	#22	O/S
Charging Pumps	#21	O/S
	#22	S*
	#23	S
Rx Coolant Pumps	#21	S
	#22	S
	#23	S
	#24	S
Component Cooling Pumps	#21	S
	#22	O*
	#23	S
Aux Component Cooling Pumps	#21	O
	#22	S
Aux Feed Water Pumps	#21	O
	#22	O
	#23	S
Containment Spray Pumps	#21	O/S
	#22	S
Recirculation Pumps	#21	O*
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 12:00
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	O
	#23	S
	#24	S
	#25	O*
	#26	S
Circ Water Pumps	#21	S
	#22	S
	#23	S
	#24	S
	#25	S
	#26	S
Condensate Pumps	#21	S
	#22	S
	#23	S
Comp. Cool Heat Exch	#21	O
	#22	O
RHR Heat Exchanger	#21	O*
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S
VC Isol. Phase A Complete	(Y/N)	Y
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions	ONE PHASE B VALVES EACH LINE FAILED TO CLOSE	
High Head SIS Flow	#21 (GPM)	O*
	#22 (GPM)	O*
	#23 (GPM)	O*
	#24 (GPM)	O*
Low Head SIS Flow	#21 (GPM)	420*
	#22 (GPM)	460*
	#23 (GPM)	430*
	#24 (GPM)	460*
Accumulator Level	#21 (%)	O
	#22 (%)	O
	#23 (%)	O
	#24 (%)	O

Legend O = Operating
O/S = Out of Service used to denote defective equipment
S = Standby
* = Change on status from previous log

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 12:15
Offsite Power Available	138KV	O/S
	13.8KV	O/S
6900 Volt	BUS NO. 1	S
	BUS NO. 2	S
	BUS NO. 3	S
	BUS NO. 4	S
	BUS NO. 5	S
	BUS NO. 6	S
480 Volt	BUS 5A	O
	BUS 2A	O
	BUS 3A	O
	BUS 6A	O/S
Emergency D/Gs	#21	O
	#22	O
	#23	O/S
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	O/S
	#22	S
	#23	S
RHR Pumps	#21	S
	#22	O/S
Charging Pumps	#21	O/S
	#22	S
	#23	S
Rx Coolant Pumps	#21	S
	#22	S
	#23	S
	#24	S
Component Cooling Pumps	#21	S
	#22	O
	#23	S
Aux Component Cooling Pumps	#21	O
	#22	S
Aux Feed Water Pumps	#21	O
	#22	O
	#23	S
Containment Spray Pumps	#21	O/S
	#22	S
Recirculation Pumps	#21	O
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 12:15
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	O
	#23	S
	#24	S
	#25	O
	#26	S
Circ Water Pumps	#21	S
	#22	S
	#23	S
	#24	S
	#25	S
	#26	S
Condensate Pumps	#21	S
	#22	S
	#23	S
Comp. Cool Heat Exch	#21	O
	#22	O
RHR Heat Exchanger	#21	O
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S
VC Isol. Phase A Complete	(Y/N)	Y
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions	ONE PHASE B VALVES EACH LINE FAILED TO CLOSE	
High Head SIS Flow	#21 (GPM)	0
	#22 (GPM)	0
	#23 (GPM)	0
	#24 (GPM)	0
Low Head SIS Flow	#21 (GPM)	420
	#22 (GPM)	460
	#23 (GPM)	430
	#24 (GPM)	460
Accumulator Level	#21 (%)	0
	#22 (%)	0
	#23 (%)	0
	#24 (%)	0

Legend
O = Operating
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* = Change on status from previous log

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 12:30
Offsite Power Available	138KV	O/S
	13.8KV	O/S
6900 Volt	BUS NO. 1	S
	BUS NO. 2	S
	BUS NO. 3	S
	BUS NO. 4	S
	BUS NO. 5	S
	BUS NO. 6	S
480 Volt	BUS 5A	O
	BUS 2A	O
	BUS 3A	O
	BUS 6A	O/S
Emergency D/Gs	#21	O
	#22	O
	#23	O/S
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	O/S
	#22	S
	#23	S
RHR Pumps	#21	S
	#22	O/S
Charging Pumps	#21	O/S
	#22	S
	#23	S
Rx Coolant Pumps	#21	S
	#22	S
	#23	S
	#24	S
Component Cooling Pumps	#21	S
	#22	O
	#23	S
Aux Component Cooling Pumps	#21	O
	#22	S
Aux Feed Water Pumps	#21	O
	#22	O
	#23	S
Containment Spray Pumps	#21	O/S
	#22	S
Recirculation Pumps	#21	O
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 12:30
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	O
	#23	S
	#24	S
	#25	O
	#26	S
Circ Water Pumps	#21	S
	#22	S
	#23	S
	#24	S
	#25	S
	#26	S
Condensate Pumps	#21	S
	#22	S
	#23	S
Comp. Cool Heat Exch	#21	O
	#22	O
RHR Heat Exchanger	#21	O
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S
VC Isol. Phase A Complete	(Y/N)	Y
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions	ONE PHASE B VALVES EACH LINE FAILED TO CLOSE	
High Head SIS Flow	#21 (GPM)	O
	#22 (GPM)	O
	#23 (GPM)	O
	#24 (GPM)	O
Low Head SIS Flow	#21 (GPM)	420
	#22 (GPM)	460
	#23 (GPM)	430
	#24 (GPM)	460
Accumulator Level	#21 (%)	O
	#22 (%)	O
	#23 (%)	O
	#24 (%)	O

Legend O = Operating
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* = Change on status from previous log

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 12:45
Offsite Power Available	138KV	O/S
	13.8KV	O/S
6900 Volt	BUS NO. 1	S
	BUS NO. 2	S
	BUS NO. 3	S
	BUS NO. 4	S
	BUS NO. 5	S
	BUS NO. 6	S
480 Volt	BUS 5A	O
	BUS 2A	O
	BUS 3A	O
	BUS 6A	O/S
Emergency D/Gs	#21	O
	#22	O
	#23	O/S
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	O/S
	#22	S
	#23	S
RHR Pumps	#21	S
	#22	O/S
Charging Pumps	#21	O/S
	#22	S
	#23	S
Rx Coolant Pumps	#21	S
	#22	S
	#23	S
	#24	S
Component Cooling Pumps	#21	S
	#22	O
	#23	S
Aux Component Cooling Pumps	#21	O
	#22	O
Aux Feed Water Pumps	#21	O
	#22	O
	#23	S
Containment Spray Pumps	#21	O/S
	#22	S
Recirculation Pumps	#21	O
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 12:45
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	O
	#23	S
	#24	S
	#25	O
	#26	S
Circ Water Pumps	#21	S
	#22	S
	#23	S
	#24	S
	#25	S
	#26	S
Condensate Pumps	#21	S
	#22	S
	#23	S
Comp. Cool Heat Exch	#21	O
	#22	O
RHR Heat Exchanger	#21	O
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S
VC Isol. Phase A Complete	(Y/N)	Y
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions	ONE PHASE B VALVES EACH LINE FAILED TO CLOSE	
High Head SIS Flow	#21 (GPM)	O
	#22 (GPM)	O
	#23 (GPM)	O
	#24 (GPM)	O
Low Head SIS Flow	#21 (GPM)	420
	#22 (GPM)	460
	#23 (GPM)	430
	#24 (GPM)	460
Accumulator Level	#21 (%)	O
	#22 (%)	O
	#23 (%)	O
	#24 (%)	O

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O = Operating
O/S = Out of Service used to denote defective equipment
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SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 13:00
Offsite Power Available	138KV	O/S
	13.8KV	O/S
6900 Volt	BUS NO. 1	S
	BUS NO. 2	S
	BUS NO. 3	S
	BUS NO. 4	S
	BUS NO. 5	S
	BUS NO. 6	S
480 Volt	BUS 5A	O
	BUS 2A	O
	BUS 3A	O
	BUS 6A	O/S
Emergency D/Gs	#21	O
	#22	O
	#23	O/S
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	O/S
	#22	S
	#23	S
RHR Pumps	#21	S
	#22	O/S
Charging Pumps	#21	O/S
	#22	S
	#23	S
Rx Coolant Pumps	#21	S
	#22	S
	#23	S
	#24	S
Component Cooling Pumps	#21	S
	#22	O*
	#23	S
Aux Component Cooling Pumps	#21	O
	#22	S
Aux Feed Water Pumps	#21	O
	#22	O
	#23	S
Containment Spray Pumps	#21	S/O
	#22	S
Recirculation Pumps	#21	O*
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 13:00
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	O
	#23	S
	#24	S
	#25	O
	#26	S
Circ Water Pumps	#21	S
	#22	S
	#23	S
	#24	S
	#25	S
	#26	S
Condensate Pumps	#21	S
	#22	S
	#23	S
Comp. Cool Heat Exch	#21	O
	#22	O
RHR Heat Exchanger	#21	O
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S
VC Isol. Phase A Complete	(Y/N)	Y
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions	ONE PHASE B VALVES EACH LINE FAILED TO CLOSE	
High Head SIS Flow	#21 (GPM)	O
	#22 (GPM)	O
	#23 (GPM)	O
	#24 (GPM)	O
Low Head SIS Flow	#21 (GPM)	420
	#22 (GPM)	460
	#23 (GPM)	430
	#24 (GPM)	460
Accumulator Level	#21 (%)	O
	#22 (%)	O
	#23 (%)	O
	#24 (%)	O

Legend O = Operating
O/S = Out of Service used to denote defective equipment
S = Standby
* = Change on status from previous log

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 13:15
Offsite Power Available	138KV	O/S
	13.8KV	O/S
6900 Volt	BUS NO. 1	S
	BUS NO. 2	S
	BUS NO. 3	S
	BUS NO. 4	S
	BUS NO. 5	S
	BUS NO. 6	S
480 Volt	BUS 5A	O
	BUS 2A	O
	BUS 3A	O
	BUS 6A	O/S
Emergency D/Gs	#21	O
	#22	O
	#23	O/S
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	O/S
	#22	S
	#23	S
RHR Pumps	#21	S
	#22	O/S
Charging Pumps	#21	O/S
	#22	S
	#23	S
Rx Coolant Pumps	#21	S
	#22	S
	#23	S
	#24	S
Component Cooling Pumps	#21	S
	#22	O
	#23	S
Aux Component Cooling Pumps	#21	O
	#22	S
Aux Feed Water Pumps	#21	O
	#22	O
	#23	S
Containment Spray Pumps	#21	O/S
	#22	S
Recirculation Pumps	#21	O
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 13:15
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	O
	#23	S
	#24	S
	#25	O
	#26	S
Circ Water Pumps	#21	S
	#22	S
	#23	S
	#24	S
	#25	S
	#26	S
Condensate Pumps	#21	S
	#22	S
	#23	S
Comp. Cool Heat Exch	#21	O
	#22	O
RHR Heat Exchanger	#21	O
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S
VC Isol. Phase A Complete	(Y/N)	Y
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions	ONE PHASE B VALVES EACH LINE FAILED TO CLOSE	
High Head SIS Flow	#21 (GPM)	O
	#22 (GPM)	O
	#23 (GPM)	O
	#24 (GPM)	O
Low Head SIS Flow	#21 (GPM)	420
	#22 (GPM)	460
	#23 (GPM)	430
	#24 (GPM)	460
Accumulator Level	#21 (%)	O
	#22 (%)	O
	#23 (%)	O
	#24 (%)	O

Legend O = Operating
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SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 13:30
Offsite Power Available	138KV	O/S
	13.8KV	O/S
6900 Volt	BUS NO. 1	S
	BUS NO. 2	S
	BUS NO. 3	S
	BUS NO. 4	S
	BUS NO. 5	S
	BUS NO. 6	S
480 Volt	BUS 5A	O
	BUS 2A	O
	BUS 3A	O
	BUS 6A	O/S
Emergency D/Gs	#21	O
	#22	O
	#23	O/S
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	O/S
	#22	S
	#23	S
RHR Pumps	#21	S
	#22	O/S
Charging Pumps	#21	O/S
	#22	S
	#23	S
Rx Coolant Pumps	#21	S
	#22	S
	#23	S
	#24	S
Component Cooling Pumps	#21	S
	#22	O
	#23	S
Aux Component Cooling Pumps	#21	O
	#22	S
Aux Feed Water Pumps	#21	O
	#22	O
	#23	S
Containment Spray Pumps	#21	O/S
	#22	S
Recirculation Pumps	#21	O
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 13:30
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	O
	#23	S
	#24	S
	#25	O
	#26	S
Circ Water Pumps	#21	S
	#22	S
	#23	S
	#24	S
	#25	S
	#26	S
Condensate Pumps	#21	S
	#22	S
	#23	S
Comp. Cool Heat Exch	#21	O
	#22	O
RHR Heat Exchanger	#21	O
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S
VC Isol. Phase A Complete	(Y/N)	Y
VC Isol. Phase B Complete	(Y/N)	N
VC Isol. Vent Complete	(Y/N)	Y
Exceptions	ONE PHASE B VALVES EACH LINE FAILED TO CLOSE	
High Head SIS Flow	#21 (GPM)	O
	#22 (GPM)	O
	#23 (GPM)	O
	#24 (GPM)	O
Low Head SIS Flow	#21 (GPM)	420
	#22 (GPM)	460
	#23 (GPM)	430
	#24 (GPM)	460
Accumulator Level	#21 (%)	O
	#22 (%)	O
	#23 (%)	O
	#24 (%)	O

Legend O = Operating
O/S = Out of Service used to denote defective equipment
S = Standby
* = Change on status from previous log

SCENARIO NO. 1992

PLANT STATUS LOG

PARAMETER		TIME 13:45
Offsite Power Available	138KV	O*
	13.8KV	S*
6900 Volt	BUS NO. 1	O*
	BUS NO. 2	O*
	BUS NO. 3	O*
	BUS NO. 4	O*
	BUS NO. 5	O*
	BUS NO. 6	O*
480 Volt	BUS 5A	O
	BUS 2A	O
	BUS 3A	O
	BUS 6A	O*
Emergency D/Gs	#21	S*
	#22	S*
	#23	S*
Gas Turbines	GT-1	S
	GT-2	S
	GT-3	S
SIS Pumps	#21	O/S
	#22	S
	#23	S
RHR Pumps	#21	S
	#22	S
Charging Pumps	#21	O/S
	#22	S
	#23	S
Rx Coolant Pumps	#21	S
	#22	S
	#23	S
	#24	S
Component Cooling Pumps	#21	O
	#22	O
	#23	S
Aux Component Cooling Pumps	#21	O
	#22	O*
Aux Feed Water Pumps	#21	S*
	#22	S
	#23	S
Containment Spray Pumps	#21	O/S
	#22	S
Recirculation Pumps	#21	O
	#22	O*
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 13:45
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	S*
	#23	S
	#24	S
	#25	O
	#26	O*
Circ Water Pumps	#21	S
	#22	S
	#23	S
	#24	S
	#25	S
	#26	S
Condensate Pumps	#21	S
	#22	S
	#23	S
Comp. Cool Heat Exch	#21	O
	#22	O
RHR Heat Exchanger	#21	O
	#22	O
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	O*
VC Isol. Phase A Complete	(Y/N)	Y
VC Isol. Phase B Complete	(Y/N)	Y
VC Isol. Vent Complete	(Y/N)	Y
Exceptions		NONE
High Head SIS Flow	#21 (GPM)	O
	#22 (GPM)	O
	#23 (GPM)	O
	#24 (GPM)	O
Low Head SIS Flow	#21 (GPM)	900*
	#22 (GPM)	930*
	#23 (GPM)	925*
	#24 (GPM)	960*
Accumulator Level	#21 (%)	O
	#22 (%)	O
	#23 (%)	O
	#24 (%)	O

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SCENARIO NO. 1992

RADIOLOGICAL/METEROLOGICAL LOG

PARAMETER TIME	08:00	08:15	08:30	08:45	09:00	09:15	09:30
R-5987 MCC 98' mR/hr	1	1	1	1	1	1	1
R-1 CCR mR/hr	0.1	0.1	0.1	0.1	0.1	0.1	0.1
R-2 VC 80' mR/hr	1	1	1	1	1	1	1
R-4 Chrg. Pump mR/hr	1	1	1	1	1	1	1
R-5 F.S.B. mR/hr	0.2	0.2	0.2	0.2	0.2	0.2	0.2
R-6 Sample Rm. mR/hr	2	2	2	2	2	2	2
R-7 VC Seal Table mR/hr	5	5	5	5	5	5	5
R-8 Drum Sta. mR/hr	0.5	0.5	0.5	0.5	0.5	0.5	0.5
R-41 VC Part uCi/cc	4.0E-12	4.0E-11	4.0E-10	4.0E-09	5.0E-08	5.0E-08	5.0E-08
R-42 VC Gas uCi/cc	5.0E-05	8.0E-05	2.0E-04	3.0E-03	1.0E-02	1.0E-02	1.0E-02
R-43 Vent Part uCi/CC	4.0E-12	4.0E-12	4.0E-12	4.0E-12	4.0E-12	4.0E-12	4.0E-12
R-44 Vent Gas uCi/cc	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
R-45 Air Ejector uCi/cc	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
R-46 F.C. Water uCi/cc	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
R-47 Comp. Cool uCi/cc	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
R-48 Liquid Waste uCi/cc	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
R-49 S/G B.D. uCi/cc	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
R-53 F.C. Water uCi/cc	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
R-25 VC Hi-Rge R/hr	<1	<1	<1	<1	<1	<1	<1
R-26 VC Hi-Rge R/hr	<1	<1	<1	<1	<1	<1	<1
R-27 Vent Monitor uCi/cc	0	0	0	0	0	0	0
R-27 Vent Flow Rate CFM	4.5E+04	4.5E+04	4.5E+04	4.5E+04	4.5E+04	4.5E+04	4.5E+04
R-27 Vent Dis Rate uCi/sec	0	0	0	0	0	0	0
R-28 Main Stm Rad Mon CPM	10	10	10	10	10	10	10
R-29 Main Stm Rad Mon CPM	10	10	10	10	10	10	10
R-30 Main Stm Rad Mon CPM	10	10	10	10	10	10	10
R-31 Main Stm Rad Mon CPM	10	10	10	10	10	10	10
Vent Flow Rate CFM	-	-	-	-	-	-	-
Main Steam Exh Lbs/Hr	-	-	-	-	-	-	-
Air Ejector CFM (measured value)	-	-	-	-	-	-	-
METEOROLOGICAL							
Wind Speed (meters/sec)	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Wind Direction (degreees)	060	060	060	060	060	060	060
Pasquill Stability Catagory	C	C	C	C	C	C	C

SCENARIO NO. 1992

RADIOLOGICAL/METEROLOGICAL LOG

PARAMETER TIME	09:45	10:00	10:15	10:30	10:45	11:00	11:15
R-5987 MCC 98' mR/hr	1	1	1	1	1	2	3
R-1 CCR mR/hr	0.1	0.1	0.1	0.1	0.1	0.1	0.1
R-2 VC 80' mR/hr	1	1	2000	OFFSCALE	OFFSCALE	OFFSCALE	OFFSCALE
R-4 Chrg. Pump mR/hr	1	1	1	4	10	20	25
R-5 F.S.B. mR/hr	0.2	0.2	1	2	5	8	8
R-6 Sample Rm. mR/hr	2	2	2	2	2	2	2
R-7 VC Seal Table mR/hr	5	5	1500	OFFSCALE	OFFSCALE	OFFSCALE	OFFSCALE
R-8 Drum Sta. mR/hr	0.5	0.5	0.5	0.5	0.5	0.5	0.5
R-41 VC Part uCi/cc	5.0E-04	5.0E-04	0.0E-04	0.0E-02	0.0E-02	0.0E-02	0.0E-02
R-42 VC Gas uCi/cc	1.0E-04	1.0E-04	0.0E-04	0.0E-02	0.0E-02	0.0E-02	0.0E-02
R-43 Vent Part uCi/CC	4.0E-12	4.0E-12	4.0E-12	4.0E-12	4.0E-12	4.0E-12	4.0E-12
R-44 Vent Gas uCi/cc	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08
R-45 Air Ejector uCi/cc	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
R-46 F.C. Water uCi/cc	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
R-47 Comp. Cool uCi/cc	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
R-48 Liquid Waste uCi/cc	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
R-49 S/G B.D. uCi/cc	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
R-53 F.C. Water uCi/cc	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
R-25 VC Hi-Rge R/hr	<1	<1	<1	$2.0x10^{12}$	$3.3x10^{2}$	$4.0x10^{3}$	$6.5x10^{3}$
R-26 VC Hi-Rge R/hr	<1	<1	<1	$2.2x10^{12}$	$3.6x10^{2}$	$4.4x10^{3}$	$7.2x10^{3}$
R-27 Vent Monitor uCi/cc	0	0	0	0	0	0	0
R-27 Vent Flow Rate CFM	4.5E+04	4.5E+04	4.5E+04	4.5E+04	4.5E+04	4.5E+04	4.5E+04
R-27 Vent Dis Rate uCi/sec	0	0	0	0	0	0	0
R-28 Main Stm Rad Mon CPM	10	10	10	10	10	10	10
R-29 Main Stm Rad Mon CPM	10	10	10	10	10	10	10
R-30 Main Stm Rad Mon CPM	10	10	10	10	10	10	10
R-31 Main Stm Rad Mon CPM	10	10	10	10	10	10	10
Vent Flow Rate CFM	-	-	-	-	-	-	-
Main Steam Exh Lbs/Hr	-	-	-	-	-	-	-
Air Ejector CFM (measured value)	-	-	-	-	-	-	-
METEOROLOGICAL							
Wind Speed (meters/sec)	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Wind Direction (degreees)	060	060	060	060	060	060	060
Pasquill Stability Catagory	C	C	C	C	C	C	C

SCENARIO NO. 1992

RADIOLOGICAL/METEROLOGICAL LOG

PARAMETER TIME	11:30	11:45	12:00	12:15	12:30	12:45	13:00
R-5987 MCC 98' mR/hr	4	8	8	8	5	2	1
R-1 CCR mR/hr	0.1	0.1	1	0.1	0.1	0.1	0.1
R-2 VC 80' mR/hr	OFFSCALE	OFFSCALE	OFFSCALE	OFFSCALE	OFFSCALE	OFFSCALE	OFFSCALE
R-4 Chrg. Pump mR/hr	30	40	50	50	50	50	50
R-5 F.S.B. mR/hr	8	10	15	15	15	15	15
R-6 Sample Rm. mR/hr	50	150	200	250	300	300	300
R-7 VC Seal Table mR/hr	OFFSCALE	OFFSCALE	OFFSCALE	OFFSCALE	OFFSCALE	OFFSCALE	OFFSCALE
R-8 Drum Sta. mR/hr	0.5	0.5	0.5	0.5	0.5	0.5	0.5
R-41 VC Part uCi/cc	0.0E-02	0.0E-02	OFFSCALE	OFFSCALE	OFFSCALE	OFFSCALE	OFFSCALE
R-42 VC Gas uCi/cc	0.0E-02	0.0E-02	OFFSCALE	OFFSCALE	OFFSCALE	OFFSCALE	OFFSCALE
R-43 Vent Part uCi/CC	4.0E-12	4.0E-12	4.0E-12	4.0E-12	4.0E-12	4.0E-12	4.0E-12
R-44 Vent Gas uCi/cc	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.0E-08	1.9E-07	0.0E-00
R-45 Air Ejector uCi/cc	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07	1.0E-07
R-46 F.C. Water uCi/cc	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
R-47 Comp. Cool uCi/cc	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
R-48 Liquid Waste uCi/cc	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
R-49 S/G B.D. uCi/cc	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
R-53 F.C. Water uCi/cc	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07	2.0E-07
R-25 VC Hi-Rge R/hr	$1.8x10^4$	$5.8x10^4$	$7.1x10^4$	$9.6x10^4$	$9.6x10^4$	$9.6x10^4$	$9.6x10^4$
R-26 VC Hi-Rge R/hr	$2.1x10^4$	$6.6x10^4$	$7.6x10^4$	$1.1x10^5$	$1.1x10^5$	$1.1x10^5$	$1.1x10^5$
R-27 Vent Monitor uCi/cc	0	0	0	0	0	0	0
R-27 Vent Flow Rate CFM	4.5E+04	4.5E+04	4.5E+04	4.5E+04	4.5E+04	4.5E+04	4.5E+04
R-27 Vent Dis Rate uCi/sec	0	0	0	0	0	0	0
R-28 Main Stm Rad Mon CPM	10	10	10	10	10	10	10
R-29 Main Stm Rad Mon CPM	10	10	10	10	10	10	10
R-30 Main Stm Rad Mon CPM	10	10	10	10	10	10	10
R-31 Main Stm Rad Mon CPM	10	10	10	10	10	10	10
Vent Flow Rate CFM	-	-	-	-	-	-	-
Main Steam Exh Lbs/Hr	-	-	-	-	-	-	-
Air Ejector CFM (measured value)	-	-	-	-	-	-	-
METEOROLOGICAL							
Wind Speed (meters/sec)	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Wind Direction (degreees)	060	060	060	060	060	060	060
Pasquill Stability Catagory	C	C	C	C	C	C	C

RADIOLOGICAL/METEROLOGICAL LOG

PARAMETER TIME	13:15	13:30	13:45**
R-5987 MCC 98' mR/hr	1	1	1
R-1 CCR mR/hr	0.1	0.1	0.1
R-2 VC 80' mR/hr	OFFSCALE	OFFSCALE	OFFSCALE
R-4 Chrg. Pump mR/hr	50	50	50
R-5 F.S.B. mR/hr	15	15	15
R-6 Sample Rm. mR/hr	300	300	300
R-7 VC Seal Table mR/hr	OFFSCALE	OFFSCALE	OFFSCALE
R-8 Drum Sta. mR/hr	0.5	0.5	0.5
R-41 VC Part uCi/cc	OFFSCALE	OFFSCALE	3.2E+04
R-42 VC Gas uCi/cc	OFFSCALE	OFFSCALE	7.8E+04
R-43 Vent Part uCi/CC	OFFSCALE	OFFSCALE	2.0E+03
R-44 Vent Gas uCi/cc	0.0E+00	0.0E+00	2.5E+03
R-45 Air Ejector uCi/cc	1.0E-06	1.0E-06	1.0E-07
R-46 F.C. Water uCi/cc	2.0E-07	2.0E-07	2.0E-07
R-47 Comp. Cool uCi/cc	2.0E-07	2.0E-07	2.0E-07
R-48 Liquid Waste uCi/cc	2.0E-07	2.0E-07	2.0E-07
R-49 S/G B.D. uCi/cc	2.0E-07	2.0E-07	2.0E-07
R-53 F.C. Water uCi/cc	2.0E-07	2.0E-07	2.0E-07
R-25 VC Hi-Rge R/hr	$9.6x10^1$	$9.6x10^1$	$5.2x10^2$
R-26 VC Hi-Rge R/hr	$1.1x10^5$	$1.1x10^5$	$5.7x10^2$
R-27 Vent Monitor uCi/cc	0	0	0
R-27 Vent Flow Rate CFM	4.5E+04	4.5E+04	4.5E+04
R-27 Vent Dis Rate uCi/sec	0	0	0
R-28 Main Stm Rad Mon CPM	10	10	10
R-29 Main Stm Rad Mon CPM	10	10	10
R-30 Main Stm Rad Mon CPM	10	10	10
R-31 Main Stm Rad Mon CPM	10	10	10
Vent Flow Rate CFM	-	-	-
Main Steam Exh Lbs/Hr	-	-	-
Air Ejector CFM (measured value)	-	-	-
METEOROLOGICAL			
Wind Speed (meters/sec)	6.3	6.3	4.8
Wind Direction (degreees)	060	060	210
Pasquill Stability Catagory	C	C	D

**Two days later

METEOROLOGICAL FORECAST

General weather conditions during the drill call for clear skies with an average temperature of 62°F. No precipitation is expected.

The wind direction will be from 060 degrees at 6.3 m/sec and remain that way throughout the drill until the two-day time warp.

CONSOLIDATED EDISON COMPANY OF NEW YORK

INDIAN POINT UNIT NO. 2

DRILL SCENARIO NO. 1992

VIII RADIOLOGICAL INFORMATION

TAB A TABLE 1:	Primary Coolant Activity Boron Concentrations
TAB B TABLE 2:	Containment Activity
TAB C TABLE 3:	Release Path Activity
TAB D TABLE 4:	Plant/Sample Radiation Levels
TAB E TABLE 5:	Facility Radiation Levels
TAB F TABLE 6:	Reuter-Stokes Readings
TAB G TABLE 7:	Plume Monitoring Data & Figures
TAB H TABLE 8:	Offsite TLD Readings
TAB I TABLE 9:	Post Accident Enviromental Samples
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TAB K TABLE 11:	Medical Emergency Data

TABLE 1

PRIMARY COOLANT ACTIVITY

Nuclide	08:00 hrs. uCi/cc	09:00 hrs. uCi/cc	10:00 hrs. uCi/cc
I-131	3.01E+00	3.85E+00	3.85E+00
132	4.29E+00	5.26E+00	5.26E+00
133	6.16E+00	7.24E+00	7.24E+00
135	5.52E+00	6.07E+01	6.07E+01
Xe-131m	1.93E-02	2.22E-02	2.22E-02
133	6.16E+00	7.24E+00	7.24E+00
133m	8.60E-01	9.46E-01	9.46E-01
135	1.13E+00	1.78E+00	1.78E+00
135m	1.29E-04	1.42E-04	1.42E-04
Kr-85	6.77E-01	7.44E-01	7.44E-01
85m	6.77E-01	7.44E-01	7.44E-01
87	1.22E+00	1.88E+00	1.88E+00
88	1.75E+00	2.46E+00	2.46E+00
Rb-88	1.78E+00	2.50E+00	2.50E+00
Te-132	< LLD	< LLD	< LLD
Cs-134	< LLD	< LLD	< LLD
137	< LLD	< LLD	< LLD
Ce-144	< LLD	< LLD	< LLD
La-140	< LLD	< LLD	< LLD
Ba-140	< LLD	< LLD	< LLD
La-142	< LLD	< LLD	< LLD
Ba-142	< LLD	< LLD	< LLD
Total	3.56E+01	3.80E+01	3.80E+01
EBAR	1.21E+00	1.21E+00	1.21E+00
% TECH SPEC	7.00E+01	7.70E+01	7.70E+01
Sample mR/hr @			
1 Meter	0.1	0.4	0.4
Room mR/hr While Sampling	10	15	15

LLD = Lower Limit of Detection

TABLE 1

PRIMARY COOLANT ACTIVITY

Nuclide	11:00 hrs. uCi/cc	12:00 hrs. uCi/cc	13:00 hrs. uCi/cc	13:30 hrs. uCi/cc
I-131	1.84E+02	7.57E+02	6.91E+04	6.86E+04
132	9.19E+01	3.77E+02	6.28E+04	3.42E+04
133	3.39E+02	1.39E+03	1.35E+05	1.26E+05
135	2.38E+02	9.79E+02	1.09E+05	8.87E+04
Xe-131m	7.92E-01	3.26E+00	2.96E+02	2.95E+02
133	2.49E+02	1.02E+03	9.36E+04	9.29E+04
133m	3.40E+01	1.40E+02	1.30E+04	1.27E+04
135	3.60E+01	1.48E+02	1.56E+04	1.34E+04
135m	4.74E-03	1.95E-02	3.65E-02	1.77E-00
Kr-85	2.79E+01	1.15E+02	1.04E+04	1.04E+04
85m	1.62E+01	6.67E+01	8.24E+03	6.05E+03
87	7.53E+00	3.09E+01	8.34E+03	2.80E+03
88	3.01E+01	1.25E+02	1.86E+04	1.13E+04
Rb-88	2.27E+02	9.33E-02	8.58E-02	8.46E-00
Te-132	3.44E+02	1.41E+03	1.30E+05	1.28E+05
Cs-134	5.84E+01	2.40E+02	2.17E+04	2.17E+04
137	2.79E+01	1.15E+02	1.04E+04	1.04E+04
Ce-144	2.79E+02	1.15E+03	1.04E+05	1.04E+05
La-140	4.29E+02	1.76E+03	1.66E+05	1.60E+05
Ba-140	4.30E+02	1.77E+03	1.61E+05	1.60E+05
La-142	7.96E+01	3.27E+02	7.25E+04	2.96E+04
Ba-142	4.06E+02	1.67E+03	1.51E+05	1.51E+05
Total	3.31E+03	1.36E+04	1.36E+06	1.23E+06
EBAR	1.21E+00	1.21E+00	1.22E+00	1.08E+00
% TECH SPEC	6.40E+03	2.77E+04	2.78E+06	2.21E+06
Sample mR/hr @				
1 Meter	10	30	1,200	1,100
Room mR/hr While Sampling	100	300	1,500	1,500

LLD = Lower Limit of Detection

TABLE 2

CONTAINMENT COOLING ACTIVITY

Nuclide	08:00 hrs. uCi/cc	09:00 hrs. uCi/cc	10:00 hrs. uCi/cc
Xe-131m	2.89E-06	6.00E-07	1.19E-05
133	1.89E-05	1.89E-05	3.91E-03
133m	2.65E-06	2.65E-06	5.48E-04
135	3.49E-06	3.49E-06	7.21E-04
135m	3.97E-06	3.97E-06	8.21E-04
Kr-85	< LLD	< LLD	< LLD
85m	2.08E-06	2.08E-06	4.30E-04
87	3.78E-06	3.78E-06	7.81E-04
88	5.39E-06	5.39E-06	1.11E-03
Rb-88	5.49E-06	5.49E-06	1.13E-03
TOTAL	4.79E-05	4.64E-05	9.47E-03
EBAR	1.10E+00	1.10E+00	1.10E+00
Sample mR/hr @			
Contact	< 1	< 1	< 1
1 Ft.	< 1	< 1	< 1
% H_2	0	0	0
% O_2	21	21	21

NOTE 1: LLD = Lower Limit of Detection

NOTE 2: It is expected that the Chemist will go to the location where the Containment Sample is to be drawn. Sampling and counting may be simulated. Twenty minutes after reaching the sample location the Chemist will report the activity given above.

TABLE 2

CONTAINMENT COOLING ACTIVITY

Nuclide	11:00 hrs. uCi/cc	12:30 hrs. uCi/cc	13:30 hrs. uCi/cc
Xe-131m	5.93E-02	5.42E-01	5.31E-00
133	1.88E+01	9.34E+02	1.67E+03
133m	2.60E+00	1.28E+02	2.28E+02
135	3.12E+00	1.45E+02	2.41E+02
135m	7.29E-02	4.18E-01	3.18E+00
Kr-85	2.08E+00	1.04E+02	1.87E+02
85m	1.52E+00	7.06E+01	1.09E+02
87	1.67E+00	4.83E+01	5.05E+01
88	3.72E+00	1.45E+02	2.04E+02
Rb-88	1.72E-01	1.65E+00	1.52E+01
TOTAL	3.39E+01	1.57E+03	2.70E+03
EBAR	1.00E+00	1.00E+00	1.00E+00
Sample mR/hr @			
Contact	8	400	560
1 Ft.	1	40	56
% H_2	0.1	0.2	0.2
% O_2	21	21	21

NOTE 1: LLD = Lower Limit of Detection

TABLE 3

PLANT VENT ACTIVITY

NOT REQUIRED FOR THIS SCENARIO

PLANT/SAMPLE RADIATION LEVELS

TABLE OF CONTENTS

LOCATION		TIME	RADIATION LEVELS	
RHR AREA 15' EL	- Point 1	< 10:30	1	mR/hr
		10:30 to 12:15	10	mR/hr
		12:16 to 13:30	15	mR/hr
		> 13:45	DECREASING	
	Point 2	< 10:30	3	mR/hr
		10:30 to 12:15	10	mR/hr
		12:16 to 13:30	15	mR/hr
		> 13:45	DECREASING	
	Point 3	< 10:30	3	mR/hr
		10:30 to 12:15	15	mR/hr
		12:16 to 13:30	20	mR/hr
		> 13:45	DECREASING	
	Point 4	< 10:30	5	mR/hr
		10:30 to 10:30	15	mR/hr
		12:16 to 13:30	25	mR/hr
		> 13:45	DECREASING	
	Point 5	< 10:30	5	mR/hr
		10:30 to 12:15	15	mR/hr
		12:16 to 13:30	20	mR/hr
		> 13:45	DECREASING	
	Point 6	< 10:30	5	mR/hr
		10:30 to 12:15	15	mR/hr
		12:16 to 13:30	55	mR/hr
		> 13:45	DECREASING	

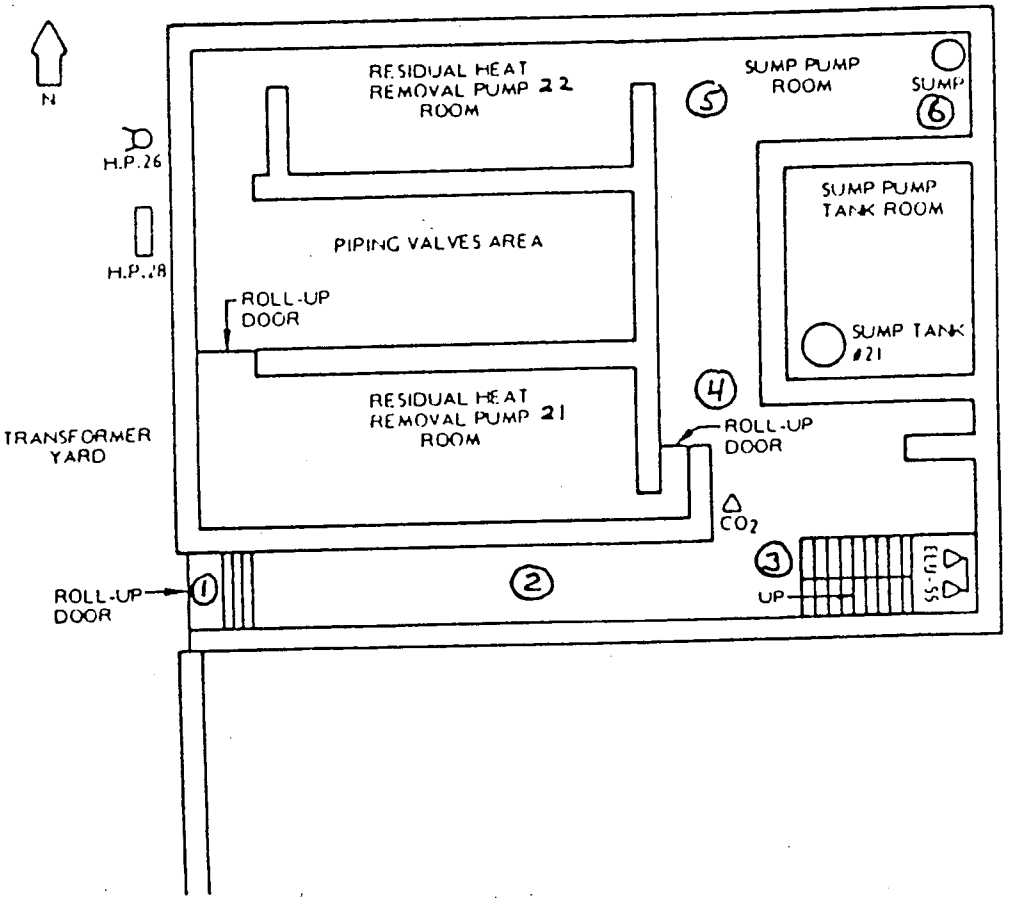
NOTE 1: All open window (OW) mR/hr readings will be the same as the closed window (CW) mR/hr readings listed above.

NOTE 2: All loose contamination and airborne concentrations are actual levels detected.

NOTE 3: Data to be supplied to Rad Prot Tech at the locations after the survey is performed.

LAYOUT 15' PAB

RHR



LOCATION		TIME	RADIATION LEVELS	
DIESEL GENERATOR BUILDING	- Point 1	< 10:30	AS READ	mR/hr
		10:30 to 13:30	AS READ	mR/hr
		> 13:45	AS READ	mR/hr
	Point 2	< 10:30	AS READ	mR/hr
		10:30 to 13:30	AS READ	mR/hr
		> 13:45	AS READ	mR/hr

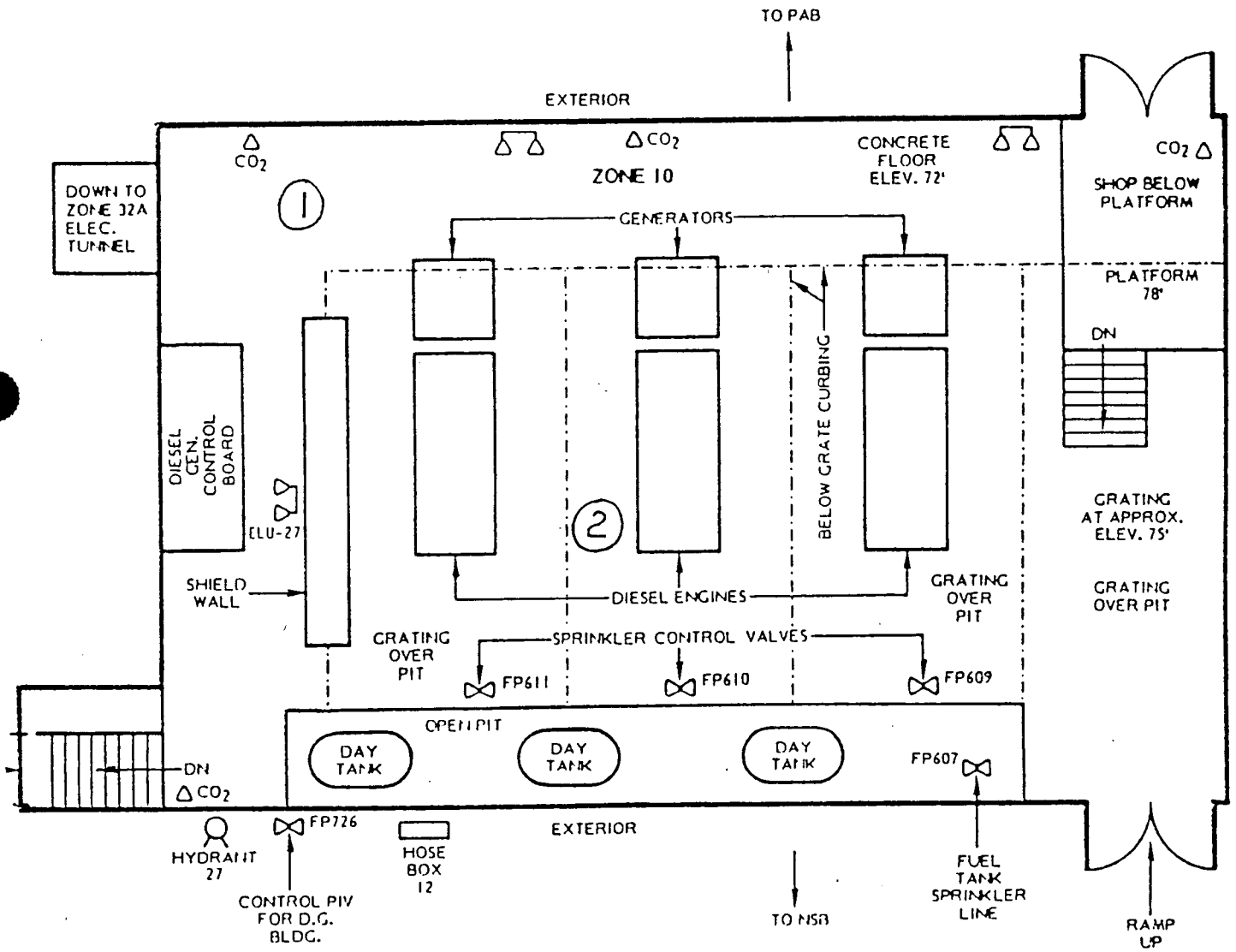
NOTE 1: All open window (OW) mR/hr readings will be the same as the closed window (CW) mR/hr readings listed above.

NOTE 2: All loose contamination and airborne concentrations are actual levels detected.

NOTE 3: Data to be supplied to Rad Prot Tech at the locations after the survey is performed.

DIESEL GENERATOR BUILDING

LAYOUT



LOCATION	TIME	RADIATION LEVELS
480 VOLT - SWITCH GEAR RM	ALL TIMES	AS READ mR/hr

NOTE 1: All open window (OW) mR/hr readings will be the same as the closed window (CW) mR/hr readings listed above.

NOTE 2: All loose contamination and airborne concentrations are actual levels detected.

NOTE 3: Data to be supplied to Rad Prot Tech at the locations after the survey is performed.

LAYOUT

480 VOLT

SWITCH GEAR

ROOM

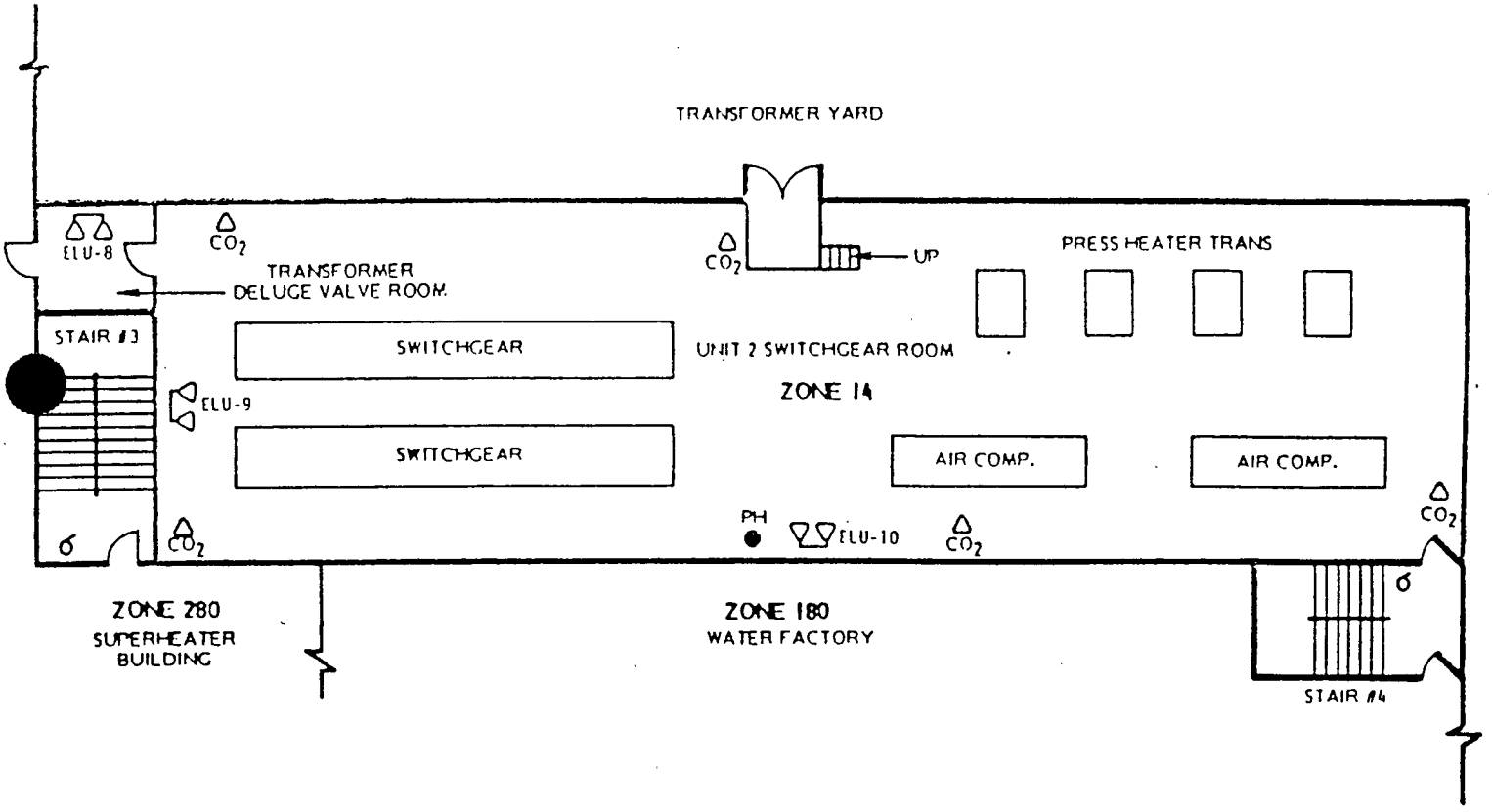


TABLE 4
PLANT RADIATION LEVELS

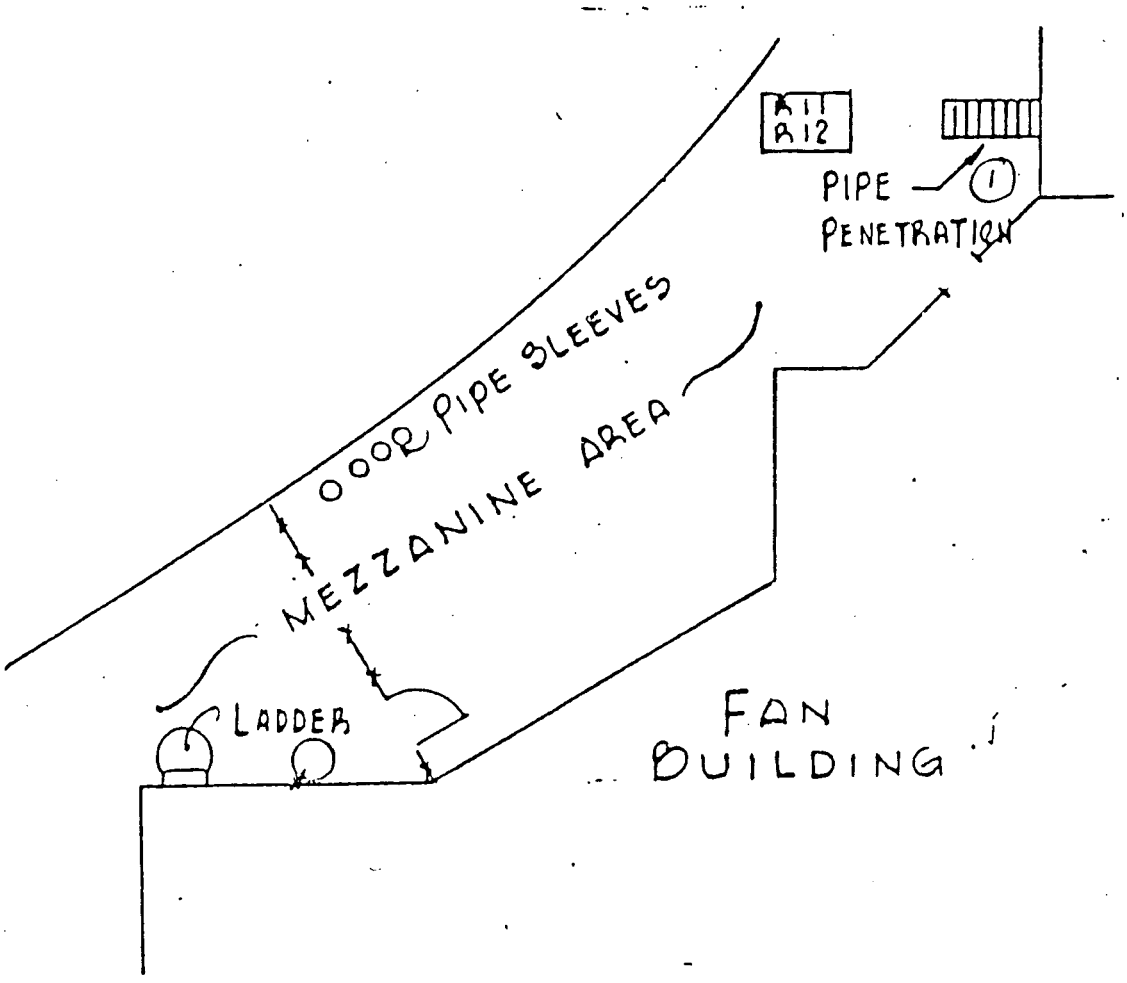
LOCATION		TIME	RADIATION LEVELS	
R-11,R-12 - MEZZANINE	Point 1	< 10:30	AS READ	mR/hr
		10:30 to 12:15	5	mR/hr
		12:15 to 13:30		
		> 13:45	DECREASING	
PIPE PENET	Point 1	< 10:30	AS READ	mR/hr
		10:30 to 12:15	10	mR/hr
		12:30 to 13:30	140	
		> 13:45	DECREASING	
	Point 2	< 10:30	AS READ	mR/hr
		10:30 to 12:15	10	mR/hr
		12:15 to 13:30	150	
		> 13:45	DECREASING	
	Point 3	10:30 to 12:15	AS READ	mR/hr
		12:15 to 13:30	15	mR/hr
		12:15 to 13:30	100	
		> 13:45	DECREASING	
SG BD ROOM	Point 1 EL 51'	< 10:30	AS READ	mR/hr
		10:30 to 12:15	5	mR/hr
		12:15 to 12:30	15	
		> 13:45	DECREASING	
	Point 2 EL 35'	< 10:30	AS READ	mR/hr
		10:30 to 12:15	5	mR/hr
		12:15 > 13:30	15	
		> 13:45	DECREASING	
SERVICE WATER CHASE	- Point 1	< 10:30	AS READ	mR/hr
		10:30 to 12:15	10	mR/hr
		12:15 > 13:30	50	
		> 13:45	DECREASING	
	Point 2	< 10:30	AS READ	mR/hr
		10:30 to 12:15	10	mR/hr
		12:15 to 13:30	20	
		> 13:45	DECREASING	

NOTE 1: All open window (OW) mR/hr readings will be the same as the closed window (CW) mR/hr readings listed above.

NOTE 2: All loose contamination and airborne concentrations are actual levels detected.

NOTE 3: Data to be supplied to Rad Prot Tech at the locations after the survey is performed.

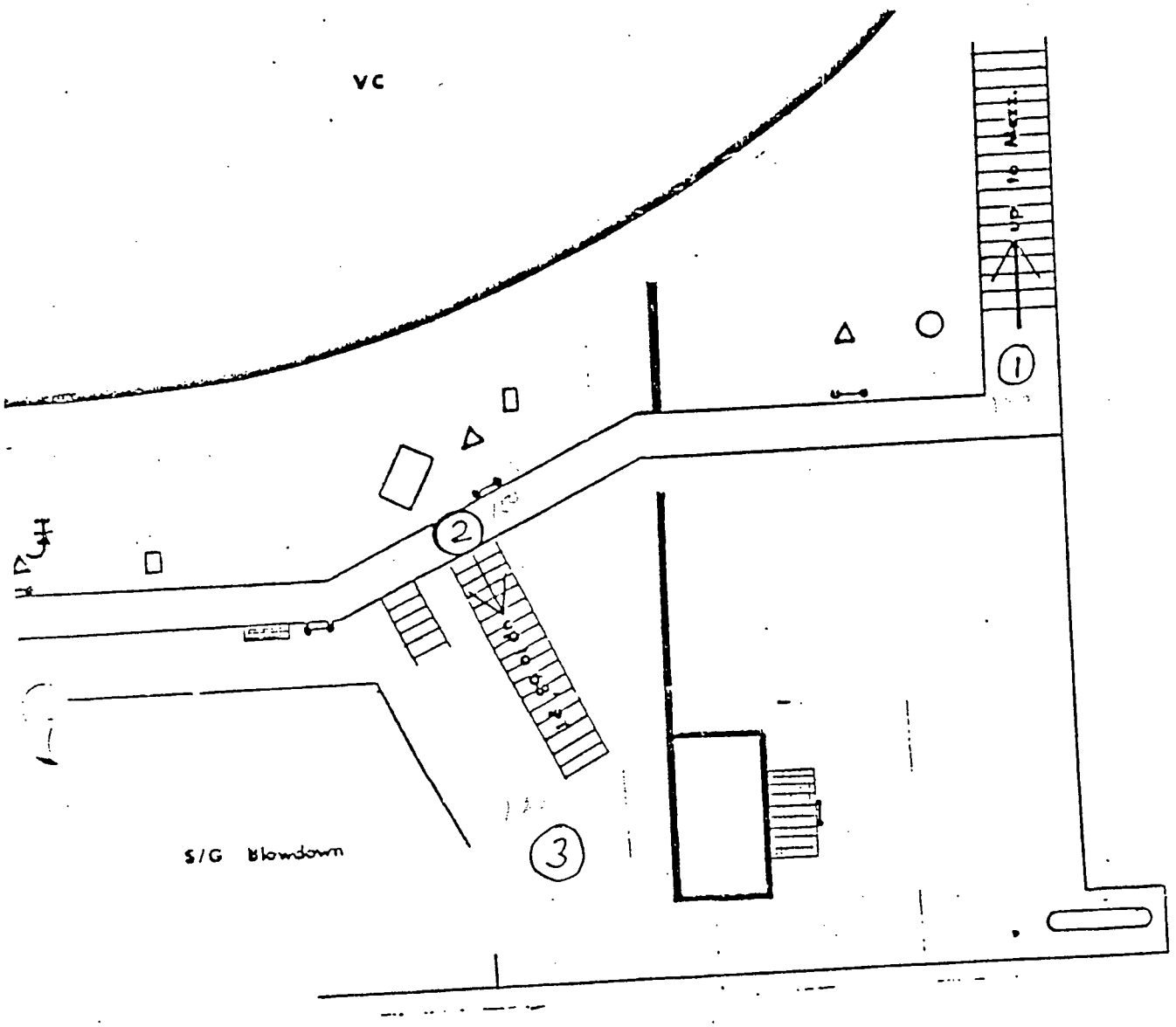
MEZZANINE LAYOUT



P.A.B EL. 78'-0"

B-11, B12-MEZZANINE

PIPE PENETRATION LAYOUT

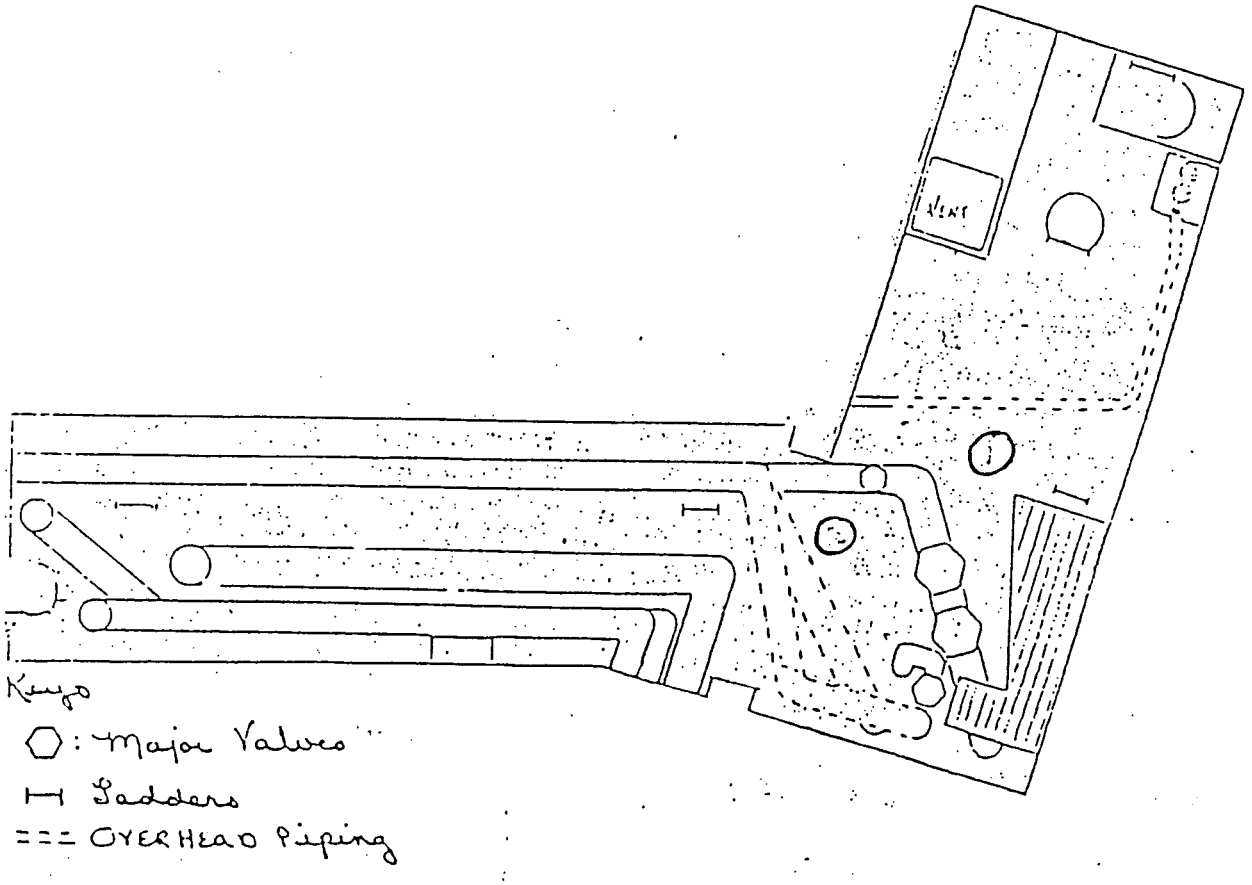


PIPING PEN. 51'0"

LAYOUT

SERVICE WATER CHASE

PAB 35' EL

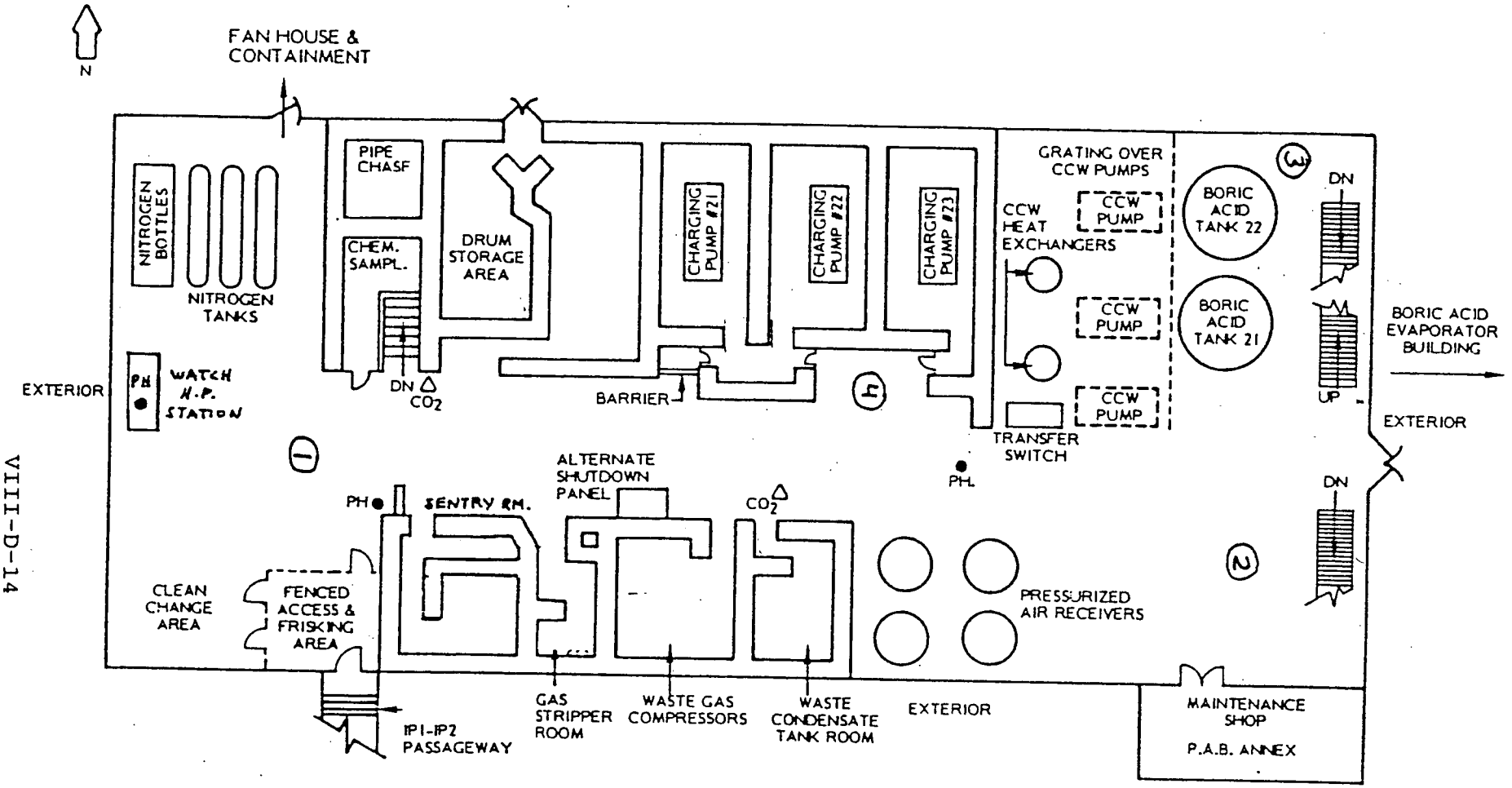


LOCATION	TIME	RADIATION LEVELS	
80' PAB - Point 1	< 10:30	AS READ	mR/hr
	10:30 to 12:15	5	mR/hr
	12:16 to 13:30	7	mR/hr
	> 13:45	DECREASING	mR/hr
Point 2	< 10:30	AS READ	mR/hr
	10:30 to 12:15	5	mR/hr
	12:16 to 13:30	7	mR/hr
	> 13:45	DECREASING	mR/hr
Point 3	< 10:30	AS READ	mR/hr
	10:30 to 12:15	5	mR/hr
	12:16 to 13:30	7	mR/hr
	> 13:45	DECREASING	mR/hr
Point 4	< 10:30	AS READ	mR/hr
	10:30 to 12:15	8	mR/hr
	12:15 to 13:30	10	mR/hr
	> 13:45	DECREASING	mR/hr

NOTE 1: All open window (OW) mR/hr readings will be the same as the closed window (CW) mR/hr readings listed above.

NOTE 2: All loose contamination and airborne concentrations are actual levels detected.

NOTE 3: Data to be supplied to Rad Prot Tech at the locations after the survey is performed.



PHONES

WHP	5717
CHEM CELL	5427
CHG PUMP	5427

PRIMARY AUXILIARY BUILDING
ELEVATION 80'

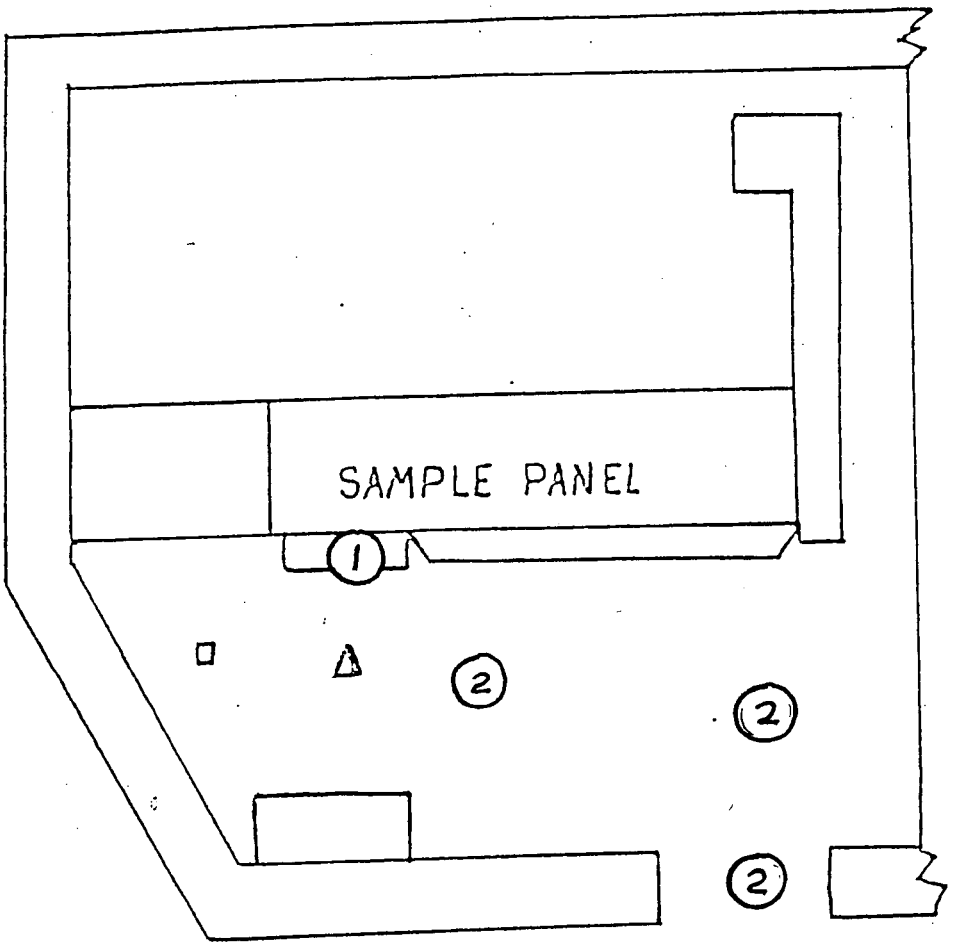
LOCATION		TIME	RADIATION LEVELS*	
80' PAB - NEW CHEM SAMPLE CELL	Point 1	08:00 to 09:14	10	mR/hr
		09:15 to 10:14	15	mR/hr
		10:15 to 11:14	60	mR/hr
		11:15 to 11:59	100	mR/hr
		12:00 to 12:59	400	mR/hr
		13:00 to 13:59	1200	mR/hr
		14:00 to 16:00	1000	mR/hr
	Point 2	08:00 to 09:14	5	mR/hr
		09:15 to 10:14	10	mR/hr
		10:15 to 11:14	25	mR/hr
		11:15 to 11:59	90	mR/hr
		12:00 to 12:59	300	mR/hr
		13:00 to 13:59	300	mR/hr
		14:00 to 16:00	1000	mR/hr

NOTE 1: All open window (OW) mR/hr readings will be the same as the closed window (CW) mR/hr readings listed above.

NOTE 2: All loose contamination and airborne concentrations are actual levels detected.

NOTE 3: Data to be supplied to Rad Prot Tech at the locations after the survey is performed.

80' EL PAB - NEW CHEM SAMPLE CELL

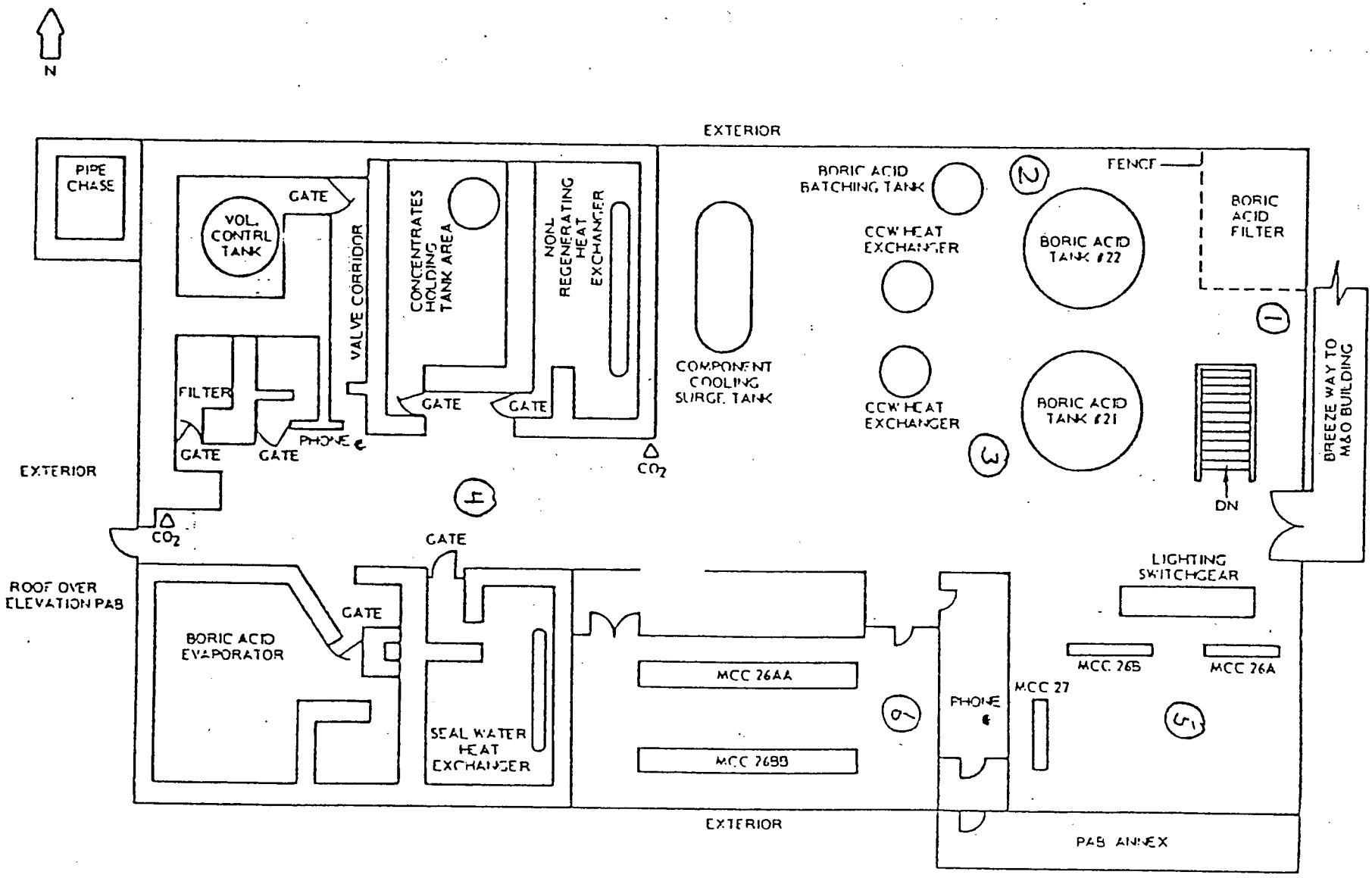


LOCATION	TIME	RADIATION LEVELS	
98' PAB - Point 1	< 10:30	AS READ	mR/hr
	10:30 to 13:30	10	mR/hr
	> 13:45	AS READ	mR/hr
Point 2	< 10:30	AS READ	mR/hr
	10:30 to 13:30	8	mR/hr
	> 13:45	AS READ	mR/hr
Point 3	< 10:30	AS READ	mR/hr
	10:30 to 13:30	6	mR/hr
	> 13:45	AS READ	mR/hr
Point 4	< 10:30	AS READ	mR/hr
	10:30 to 13:30	10	mR/hr
	> 13:45	AS READ	mR/hr
Point 5	< 10:30	AS READ	mR/hr
	10:30 to 13:30	5	mR/hr
	> 13:45	AS READ	mR/hr
Point 6	< 10:30	AS READ	mR/hr
	10:30 to 13:30	4	mR/hr
	> 13:45	AS READ	mR/hr

NOTE 1: All open window (OW) mR/hr readings will be the same as the closed window (CW) mR/hr readings listed above.

NOTE 2: All loose contamination and airborne concentrations are actual levels detected.

NOTE 3: Data to be supplied to Rad Prot Tech at the locations after the survey is performed.



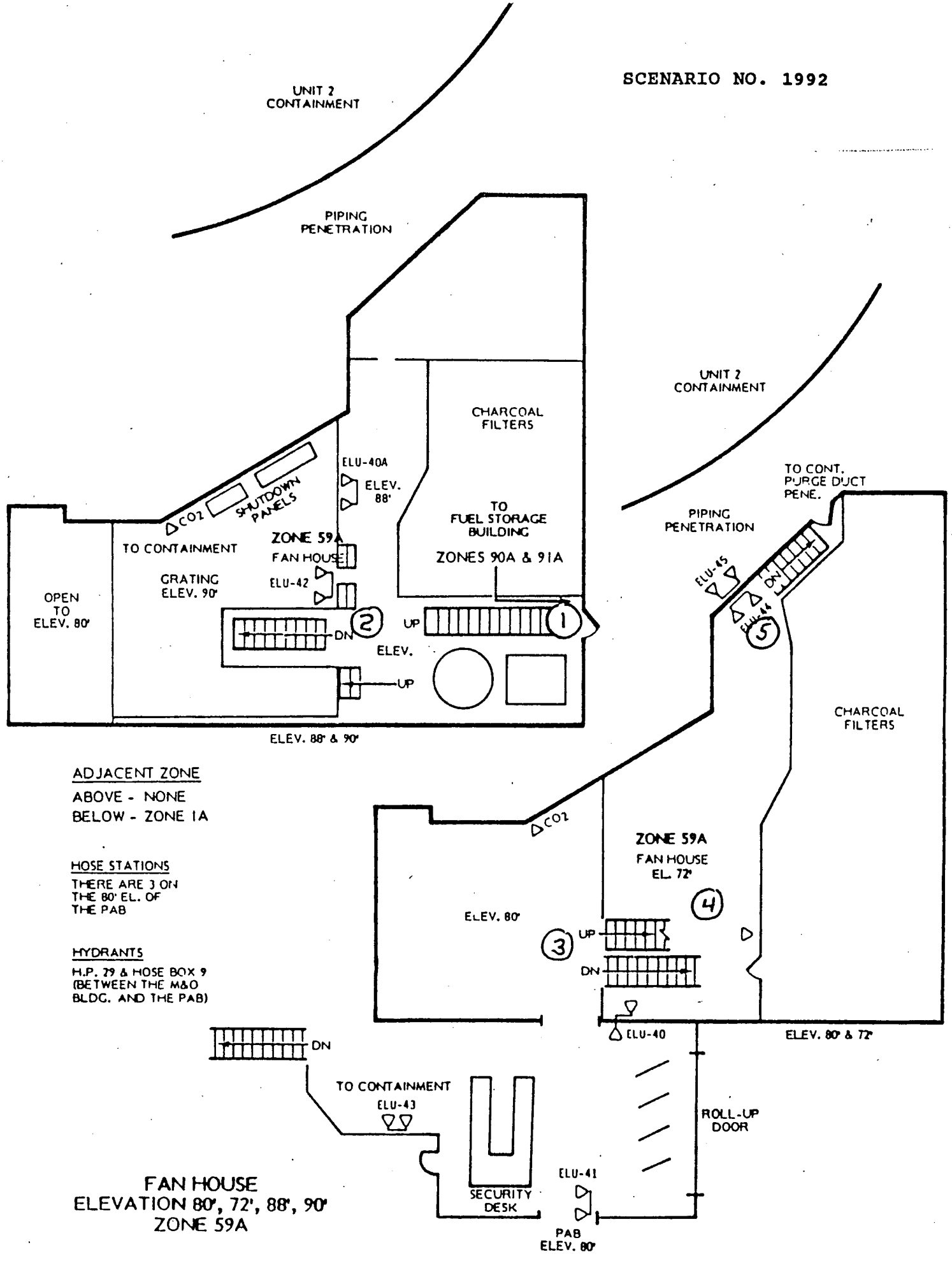
PRIMARY AUXILIARY BUILDING
ELEVATION 98'-0"

LOCATION	TIME	RADIATION LEVELS	
FAN BLDG - Point 1	< 10:30	AS READ	mR/hr
	10:30 to 12:15	5	mR/hr
	12:15 to 13:30	12	mR/hr
	> 13:45	DECREASING	mR/hr
Point 2	< 10:30	AS READ	mR/hr
	10:30 to 12:15	7	mR/hr
	12:15 to 13:30	14	mR/hr
	> 13:45	DECREASING	mR/hr
Point 3	< 10:30	AS READ	mR/hr
	10:30 to 12:15	7	mR/hr
	12:15:to 13:30	14	mR/hr
	> 13:45	DECREASING	mR/hr
Point 4	< 10:30	AS READ	mR/hr
	10:30 to 12:15	5	mR/hr
	12:15 to 13:30	13	mR/hr
	> 13:45	DECREASING	mR/hr
Point 5	< 10:30	AS READ	mR/hr
	10:30 to 12:15	5	mR/hr
	12:15 to 13:30	15	mR/hr
	> 13:45	DECREASING	mR/hr

NOTE 1: All open window (OW) mR/hr readings will be the same as the closed window (CW) mR/hr readings listed above.

NOTE 2: All loose contamination and airborne concentrations are actual levels detected.

NOTE 3: Data to be supplied to Rad Prot Tech at the locations after the survey is performed.



ADJACENT ZONE

ABOVE - NONE

BELOW - ZONE 1A

HOSE STATIONS

THERE ARE 3 ON THE 80' EL. OF THE PAB

HYDRANTS

H.P. 29 & HOSE BOX 9 (BETWEEN THE M&O BLDG. AND THE PAB)

FAN HOUSE
ELEVATION 80', 72', 88', 90'
ZONE 59A

LOCATION	TIME	RADIATION LEVELS	
ASSEMBLY AREAS			
SIM/VISITOR CENTER	< 10:30	AS READ	mR/hr
	ALL TIMES	AS READ	mR/hr
	> 13:45	AS READ	mR/hr
SECURITY/ADMIN BLDG	ALL TIMES	AS READ	mR/hr
ASSEMBLY AREA A-B 15 FT TURBINE BLDG	ALL TIMES	AS READ	mR/hr
M.O. BLDG CONST OFFICE COMPLEX	ALL TIMES	AS READ	mR/hr

NOTE 1: All loose contamination and airborne concentrations are actual levels detected.

NOTE 2: Data to be supplied to Rad Prot Tech at the locations after the survey is performed.

LOCATION	TIME	RADIATION LEVELS
SECURITY - Point 1	ALL TIMES	AS READ mR/hr
Point 2	ALL TIMES	AS READ mR/hr
Point 3	ALL TIMES	AS READ mR/hr
Point 4	ALL TIMES	AS READ mR/hr
Point 5	ALL TIMES	AS READ mR/hr
Point 6	ALL TIMES	AS READ mR/hr
Point 7	ALL TIMES	AS READ mR/hr
Point 8	ALL TIMES	AS READ mR/hr

NOTE 1: All open window (OW) mR/hr readings will be the same as the closed window (CW) mR/hr readings listed above.

NOTE 2: All loose contamination and airborne concentrations are actual levels detected.

NOTE 3: Data to be supplied to Rad Prot Tech at the locations after the survey is performed.

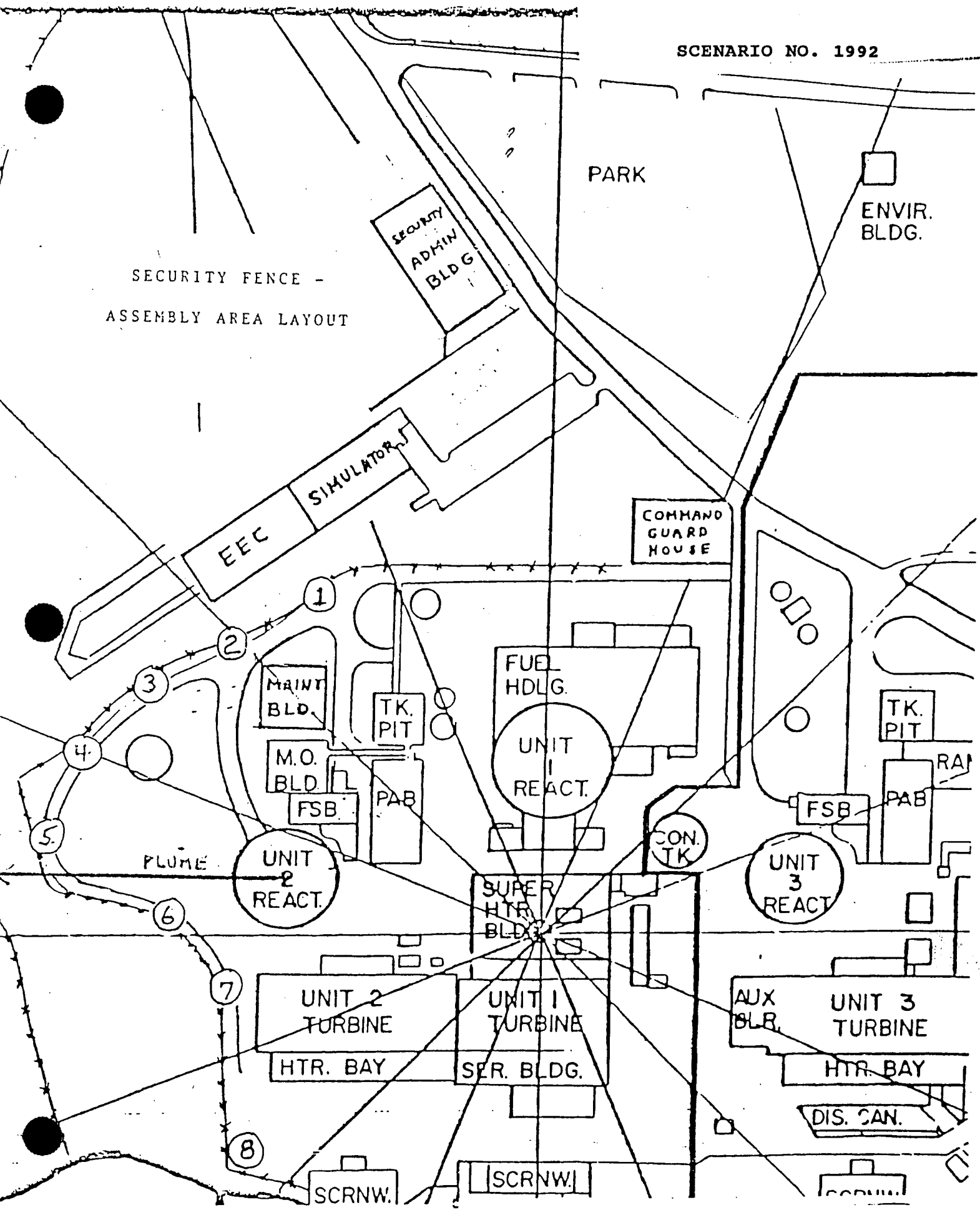

SECURITY FENCE -
ASSEMBLY AREA LAYOUT
PARK
ENVIR. BLDG.
SECURITY ADMIN BLDG
SIMULATOR
EEC
COMMAND GUARD HOUSE
1
2
3
4
5
6
7
8
MAINT BLD.
TK. PIT
FUEL HDLG.
UNIT 1 REACT.
M.O. BLD.
FSB
PAB
PLUME
UNIT 2 REACT.
CON. TK
UNIT 3 REACT
SUPER HTR. BLDG.
UNIT 2 TURBINE
UNIT 1 TURBINE
AUX BLR.
UNIT 3 TURBINE
HTR. BAY
SER. BLDG.
DIS. CAN.
SCRNW.
SCRNW.

TABLE 5

FACILITY RADIATION LEVELS

LOCATION	TIME	1 METER HEIGHT READING OW mR/hr	1 METER HEIGHT READING CW mR/hr	10 ft.^{3} AIR SAMPLE BKGD CPM	10 ft.^{3} AIR SAMPLE IODINE CPM	10 ft.^{3} AIR SAMPLE PART CPM
Emergency Operation Facility (EOF)	All Times	< 1.0	< 1.0	10	10	10
Operational Support Center (OSC)	All Times	< 1.0	< 1.0	10	10	10
Technical Support Center (TSC)	All Times	< 1.0	< 1.0	10	10	10
Contol Room (CR)	All Times	< 1.0	< 1.0	10	10	10

NOTE: Data to be supplied to Rad Protection Technician after the survey is completed.

TABLE 6
REUTER-STOKES READINGS
mR/hr

TIME	1	2	3	4	5	6	7	8

NOT REQUIRED FOR THIS SCENARIO

TABLE 7

PLUME MONITORING DATA AND FIGURES

NOT REQUIRED FOR THIS SCENARIO

TABLE 8

OFFSITE TLD READINGS

NOT REQUIRED FOR THIS SCENARIO

TABLE 9

POST ACCIDENT SAMPLES

NOT REQUIRED FOR THIS SCENARIO

TABLE 10

POST ACCIDENT OFFSITE CONTAMINATION LEVELS

NOT REQUIRED FOR THIS SCENARIO

TABLE 11

MEDICAL EMERGENCY DATA

NOT REQUIRED FOR THIS SCENARIO

IX. LOGISTICS

A. Drill Size

There will be a full scale activation of the following facilities.

* Control Room
* Technical Support Center
* Operational Support Center
* Emergency Operations Facility
* Corporate Response Center
* Astoria Emergency Control Center
* Emergency News Center (Con Edison Personnel Only)

B. Participation

Assembly and accountability will be required by all Con Edison personnel and contractor personnel at the site. After accountability has been completed, personnel not participating as players, controllers or observers will be permitted to return to their normal work locations. New York Power Authority personnel and contractors are not required to participate.

C. Arm Band Use

The following arm band color coding will be used during the drill.

Green - Controller
Red - Observer
White - Player

D. Access Lists

Access lists will only be prepared for the EOF for use by the Security Guard assigned to that post. All other Nuclear Power personnel not participating will be directed by their Department Managers to refrain from entering the TSC and OSC areas. Non drill participants requiring entry to the Control Room will be directed to contact the SWS assigned to the watch. Security restrictions on entry through the Main Gate and Command Guard House will be lifted by the Security Controller one hour after the declaration of ALERT.

E. Lunch

Lunch will be provided to all players, observers and controllers at their respective facilities in order that the drill can continue without interruptions.

F. Critique

Emergency Planning will hold a critique at 1000 hours on October 15, 1992 at the Simulator Auditorium. All controllers and observers shall attend. This critique will be followed by one held by the NRC.