CONSOLIDATED EDISON COMPANY OF NEW YORK

INDIAN POINT UNIT NO. 2

DRILL SCENARIO NO. 1993

CONSOLIDATED EDISON COMPANY OF NEW YORK

INDIAN POINT UNIT NO. 2

DRILL SCENARIO NO. 1993

TABLE OF CONTENTS

CONSOLIDATED EDISON COMPANY OF NEW YORK

INDIAN POINT UNIT NO. 2

DRILL SCENARIO NO. 1993

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 responsive actions of the participants are also detailed. These anticipated actions may 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 included are evaluation criteria for evaluating the response of the exercise participants.

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

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

Section VIII Radiological Information - this section contains time-sequenced 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 Offsite Contamination Levels
- Medical Emergency Data

Section IX Logistics - this section contains information and direction for the handling of peripheral items related to the drill, including:

- 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

DRILL SCENARIO NO. 1993

OBJECTIVES

Our objectives are to demonstrate the licensee's:

1. ability to identify emergencies through the four (4) classifications utilizing the EAL tables.

2. ability to notify to offsite authorities within 15 minutes of the initial (NUE) declaration and again at the closeout.

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 CRC.

   NOTE: State/Counties are not participating.

5. ability to communicate between offsite monitoring teams and licensee facilities.

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

7. ability to deploy offsite and onsite radiological monitoring teams.

8. ability to deploy inplant radiological monitoring teams.

9. ability to receive and assess radiological data.

10. ability to complete 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. ability to changeover 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 perform dose projections and determine recommended protective actions, if applicable.

16. personnel radiological exposure control capabilities for emergency personnel.

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

    NOTE: State/Counties are not participating.

18. ability to plan for a shift change.

19. ability to de-escalate the emergency and declare the recovery stage. (Recovery Center will not be activated).

CONSOLIDATED EDISON COMPANY OF NEW YORK

INDIAN POINT UNIT NO. 2

DRILL SCENARIO NO. 1993

III. DRILL SCENARIO

Initial Conditions

The Indian Point Unit 2 Nuclear Generating Station has been at full power for 177 days. A severe thunderstorm watch was declared at 0630. All plant parameters are normal and stable. A routine vapor containment (VC) building pressure relief is in progress. Equipment out of service for corrective maintenance are 22 Safety Injection (SI) pump and 22 Auxiliary Boiler Feed Pump. Limiting Condition of Operation (LCO) action statements are in effect for both of these pieces of equipment.

Narrative Summary

A tornado is observed by Operations touching down near Charles Point. When the Central Control Room (CCR) is notified, a Notification of Unusual Event (NUE) will be declared based on the Indian Point Unit 2 Emergency Plan NUE event Table Item 5D, Natural Phenomena.

The Central Control Room Operator will attempt to secure the in progress VC pressure relief when VC pressure reaches the desired value. Upon securing the pressure relief, Valve PCV-1190 (the inside VC pressure relief Valve) closes, while PCV-1191 and PCV-1192 (the outside VC pressure relief valves) remain open.

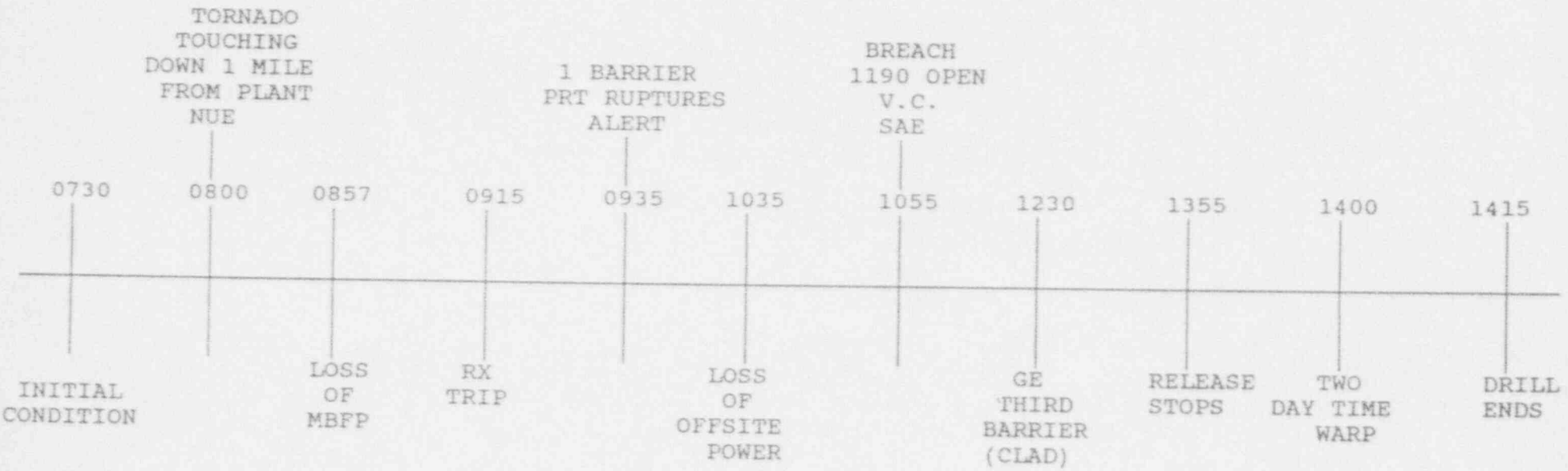
A loss of #21 Main Boiler Feed Pump occurs with an ensuing automatic turbine runback. Reactor Coolant System (RCS) pressure increases to the Power Operated Relief Valve (PORV) set point resulting in a PORV actuation. As pressure drops, the PORV's close, but pressure continues to decrease. The Pressurizer Relief Tank (PRT) pressure, level, and temperature increase, indicating that either the PORV's have not fully closed or a Safety Valve is open. The acoustic monitor confirms the Safety Valve is open causing a Small Break Loss of Coolant Accident (SBLOCA). A reactor trip occurs on low RCS pressure. RCS pressure continues to decrease resulting in a Safety Injection. As PRT pressure increases the rupture disc blows by design resulting in excessive Reactor Coolant System Leakage. An Alert will be declared on a Reactor Coolant System barrier breach as confirmed by RCS leakage into the VC at a rate of greater than 100 gpm.

While the CCR operators are responding to the Safety Injection a loss of offsite power occurs. Diesel Generators 21 and 22 tie on to their respective 480 volt buses. Diesel Generator 23 output breaker fails to close causing 480 volt Bus 6A to remain de-energized. After resetting SI and Containment Isolation Phase A, as directed by procedure, an electrical fault results in PCV-1190 opening creating a direct pathway from containment to atmosphere. A site area emergency will be declared based on a second barrier breach confirmed by a failure of the Containment Isolation function.

The ongoing small break LOCA results in voids in the Reactor Vessel. The Reactor Vessel Level Indicating System (RVLIS) shows a continued decreases in Reactor Vessel Level. After the core is uncovered, increasing radiation levels in the VC indicate the potential for fuel failure. An RCS sample is provided to the CCR indicating greater than 28 uci/cc. Increasing radiation levels in the VC are indicated on the R25 radiation monitoring. A general emergency will be declared based on the failure of a third barrier, the fuel, as indicated by the RCS sample.

Restoration of plant equipment begins with a re-energization of Bus 6A and the restoration of Safeguards equipment. An instrument and control technician installs an electrical jumper which causes Valve PCV-1190 to go closed and terminate the release. A time warp occurs in which the Reactor Core will be considered in a safe condition with no further potential releases of radioactive material to the environment. The Emergency Director will close out the emergency and declare the commencement of the recovery stage at which time the drill will terminate.

SCENARIO NO. 1993



DETAILED SCENARIO TIME LINE

TIME	INITIATING MESSAGE NUMBER	EVENT SUMMARY
T = 07:30	1	Initial conditions are: - Operating for 177 days at full power. - A severe thunderstorm alert was declared at 0630. - Plant parameters are stable and normal. - All Gas Turbine are running a/c AOI-28.0.7. - Equipment out on LCO are #22 SI Pump and #22 Aux. Boiler Feed Pump. - Pressure relief in progress.
T = 08:00	A	- Tornado is seen by NPO touching down at Charles Point.

ANTICIPATED RESULTS

Control Room Operator

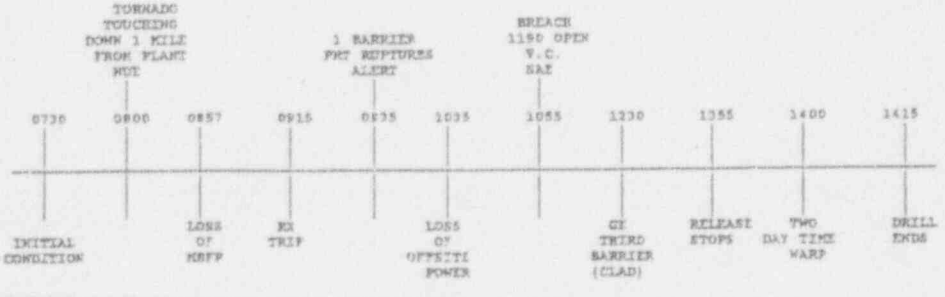
- Continue in A-28.0.7 and IP-1032.

Senior Watch Supervisor

- Declares an NUE due to Table 5D. Any tornado observed within one mile of site.

DETAILED SCENARIO TIME LINE

TIME	INITIATING MESSAGE NUMBER	EVENT SUMMARY
		Fills out Radiological Emergency Data Form Part 1.
		Direct the communicator to make appropriate notification with IP-1002.
T - 08:30	2	CCR Operators stop pressure relieving.
		- Valve No. 1190 closes but valves No. 1192 and No. 1192 stay open.
		ANTICIPATED RESULTS
		Control Room Operator
T = 08:45	B	- Send NPO to investigate why valves No. 1190 and No. 1192 didn't close.



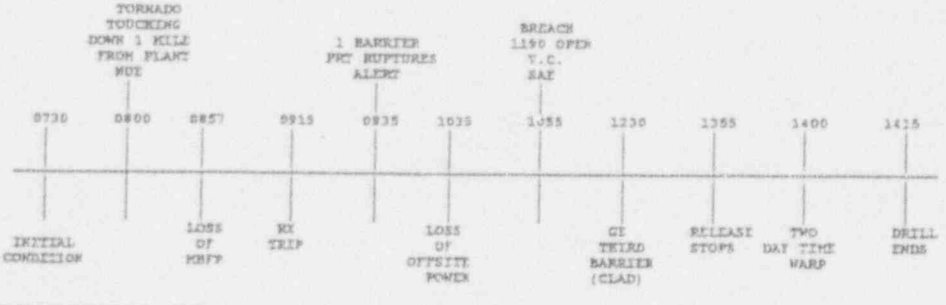
DETAILED SCENARIO TIME LINE

TIME	INITIATING MESSAGE NUMBER	EVENT SUMMARY
T = 08:57	3	- Loss of 21 MBFP occurs. - RCS pressure increases to open PORV resulting in PORV activation. - As pressure drops PORV close but pressure decrease does not stop. - PRT pressure and level increase. - Acoustic Monitor indicates Safety Valve still open.

ANTICIPATED RESULTS

Central Control Room Operator

- Make sure automatic action take place for loss of MFWP.



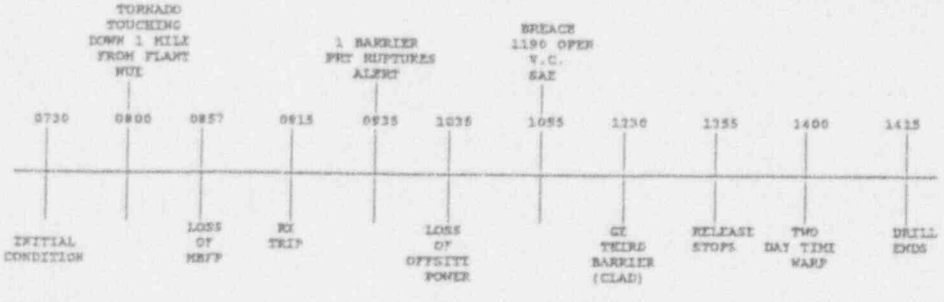
DETAILED SCENARIO TIME LINE

TIME	INITIATING MESSAGE NUMBER	EVENT SUMMARY
T = 09:15	4	Reactor Trips on low RCS pressure. - Pressurizing level increases due to vapor space break.

ANTICIPATED RESULTS

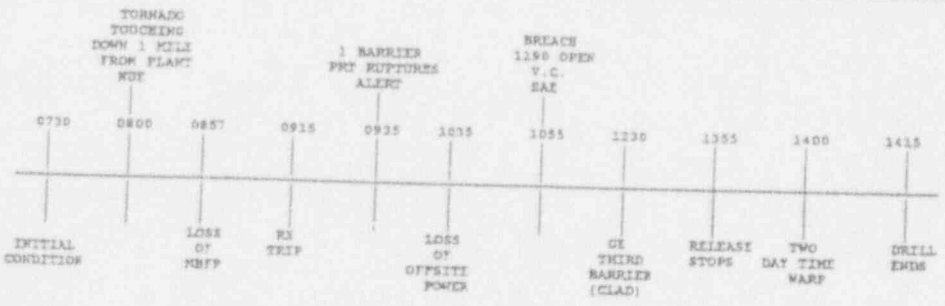
Control Room Operator

Enter E-O



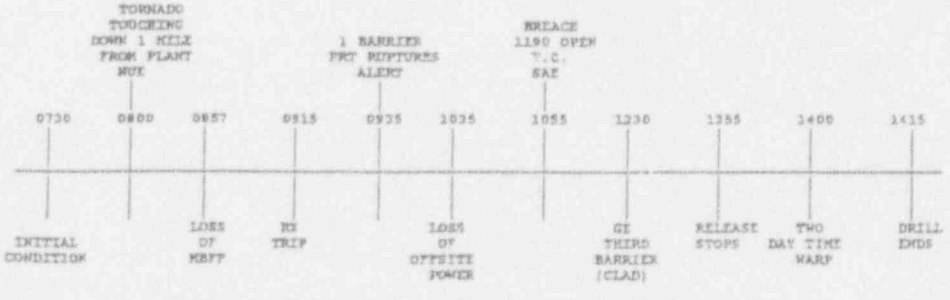
DETAILED SCENARIO TIME LINE

TIME	INITIATING MESSAGE NUMBER	EVENT SUMMARY
T = 09:20	5	- RCS pressure continues to decrease resulting in Safety Injection.
		- #21 SI Pump failed to start - SI on signal.
		ANTICIPATED RESULTS
		Control Room Operator
		- Re-enter E-O step 1
		Senior Watch Supervisor
		- Send NPO to investigate.
	C	#21 SI Pump
T = 09:35	6	- PRT Disc Ruptures



DETAILED SCENARIO TIME LINE

TIME	INITIATING MESSAGE NUMBER	EVENT SUMMARY
T = 09:40		**ANTICIPATED RESULTS**
		Senior Watch Supervisor
		- Declares Alert due to RCS leakage >100 gpm which constitutes a RCS breach.
		Control Room Operator
		Directs Sound Site Emergency Assembly Alarm.
		- Fills out "Rad. Emergency Data Form Part 1".
		- Direct communicator to make appropriate notification in accordance with IP-1002.
T = 10:30	8	- Loss of offsite power occurs.
		- #21 and #22 EDG pick up load on Busses 5A, 2A and 3A.
		- #23 EDG Breaker fails to close due to Bus 6A.
		- No high head injection pumps.
		- RCS pressure to high for low head injection.
		- Core uncovering continues.



DETAILED SCENARIO TIME LINE

TIME	INITIATING MESSAGE NUMBER	EVENT SUMMARY
T = 10:55	9	- After SI and Phase A reset Valve No. 1228 is opened. - Valve No. 1190 opens - Attempt to close Valve failed.

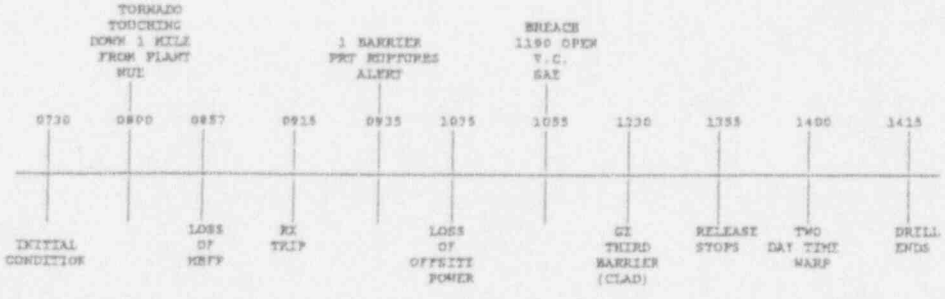
ANTICIPATED RESULTS

Emergency Director (ED)

- Declares SAE because two Barrier Breach.
- Fills out "Rad. Emergency Data Form Part 1".
- Have offsite authorities notified.
- Evacuate onsite nonessential personnel.

Central Control Room

T = 11:05	D	- Send NPO to investigate why Valve No. 1190 failed to close.



SCENARIO NO. 1993

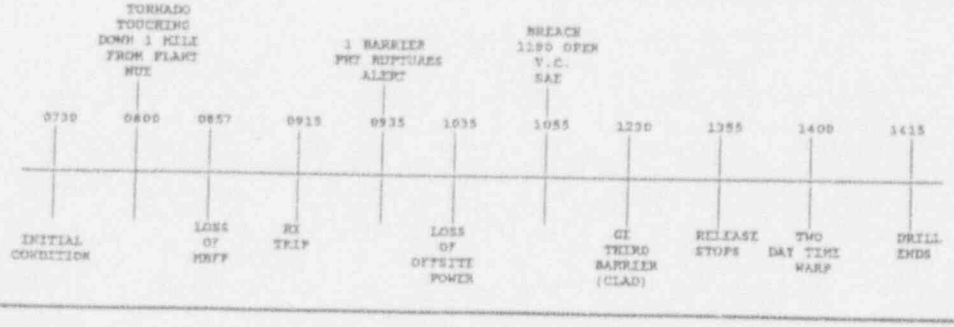
DETAILED SCENARIO TIME LINE

TIME	INITIATING MESSAGE NUMBER	EVENT SUMMARY
T = 12:30	10	- Small Break LOCA results in voids in Rx vessel.
		- RVLIS level continues to decrease.
		- R-25 and 26 increasing in V.C.
	E	- Samples taken from RCS indicates >28 uci/cc.

ANTICIPATED RESULTS

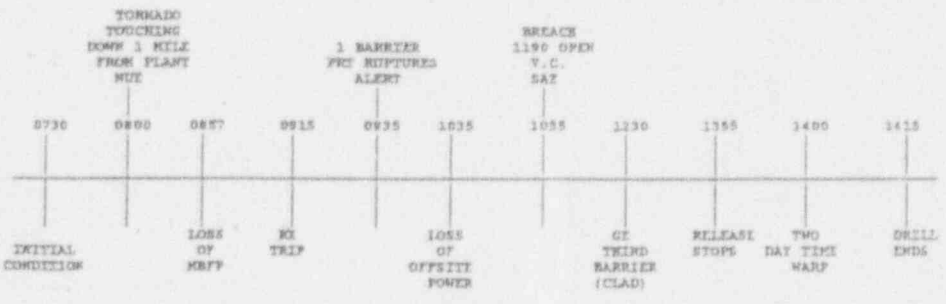
Emergency Director (ED)

11	- Declares a GE a/c fuel clad - Breach third Barrier failure.



DETAILED SCENARIO TIME LINE

TIME	INITIATING MESSAGE NUMBER	EVENT SUMMARY
T = 13:30	F	- Power restored to Bus 6A upon restoration of #23 EDG.
T = 13:45	G	- Number 22 SI Pump repair turnover to CCR.
T = 13:55	H	- I & C installs jumper which closes Valve PCV-1190.
		- Terminates release
		- Plant proceeding to cold shutdown.
T = 14:00	12	- Two Day Time Warp.
		- Rx in cold shutdown.
		- All equipment functioning normal.



CONSOLIDATED EDISON COMPANY OF NEW YORK

INDIAN POINT UNIT NO. 2

DRILL SCENARIO NO. 1993

IV. MESSAGE

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 inplementation of the emergency plans and procedures by Con Edison and the offsite authorities. In certain instances the logic involved in selecting the details stretches the imagination. This has been 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 do so by the Controller.

7. If samples inside or outside the site are deemed necessary, their collection will be performed and their analysis conducted unless simulations 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
4. 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.
8. The Main Gate and the Command Guard house will be secured for one hour after the assembly alarm is sounded. At another 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: CENTRAL CONTROL ROOM

TIME: T = 07:30

MESSAGE: NO. 1

This is a Drill

Con Edison Indian Point Unit No. 2 has been operating at full power for 177 days.

AOI-28.0.7 completed through Step 3.2.3.

A severe thunderstorm watch was declared at 06:30.

Plant parameters are stable and normal.

All Gas Turbines are running per procedure.

VC pressure relief in progress.

No. 22 SIS Pump was taken out for service at 06:00 for seal replacement. The Pump is expects back at approximately 15:00.

No. 22 ABFP is in for repairs since 16:00 yesterday and is expected back for service at approximately 16:00 today.

This is a Drill

CONTROLLER FIELD REPORT A

TO: NUCLEAR PLANT OPERATOR

LOCATION: ROOF OF THE TURBINE HALL

TIME: T = 08:00

MESSAGE:

This is a Drill

It is expected that the SRO has dispatched an NPO to the roof of the turbine hall building to perform a tornado watch (per AOI-28.0.7).

The NPO will observe a tornado touching down within one mile of the plant at Charles Point. It is expected that the NPO will relay this information to the CCR.

This is a Drill

TO: CENTRAL CONTROL ROOM

LOCATION: CONTROL OPERATOR

TIME: T = 08:30

MESSAGE: NO. 2

This is a Drill

The Control Operator, upon attempting to secure from a pressure relief, receives alarms and indications as follows:

- Indication light SL Panel PCV-1191 and PCV-1192 indicate open.
- Indication light SL Panel PCV-1190 indicates closed.

This is a Drill

CONTROLLER FIELD REPORT B

TO: NPO REPAIR TEAM

LOCATION: PCV-1191 AND 1192

TIME: T = 08:45

MESSAGE:

This is a Drill

It is expected that the Control Room Operator will dispatch an NPO to close the valves from the Fan Room. If this occurs, inform the NPO that the valves will not close.

It is expected that the SWS will request that the Maintenance Section send a team to the CCR where the SWS will direct them to make a detailed investigation.

Give the following information when trouble shooting starts and it is requested.

VALVE	INITIAL INVESTIGATION	DETAILED INVESTIGATION
PCV-1191	Problem is not electrical	Valve stem is broken - jamming valve
PCV-1192	Problem is not electrical	Problem is a broken spring and a butterfly shaft is jammed.

This is a Drill

TO: CONTROL ROOM OPERATOR

LOCATION: CONTROL ROOM

TIME: T = 08:57

MESSAGE: NO. 3

This is a Drill

Loss of No. 21 Main Boiler Feed Pump occurs.

Reactor Coolant System pressure increases to activate PORV's.

As pressure drops PORV's close, but Pressurizer pressure does not stop decreasing.

PRT level increases.

Pressurizer Safety Discharge Outlet header temperature indicates increasing.

Acoustic monitor indicates that the Safety Valves are open.

This is a Drill

TO: CONTROL ROOM OPERATOR

LOCATION: CONTROL ROOM

TIME: T = 09:15

MESSAGE: NO. 4

This is a Drill

Reactor Trip on Low Pressurizer Pressure, Turbine Trip.

All equipment functions are normal.

This is a Drill

TO: CONTROL ROOM OPERATOR

LOCATION: CONTROL ROOM

TIME: T = 09:20

MESSAGE NO. 5

This is a Drill

Safety Injection, Low Pressurizer Pressure.

No. 21 SI Pump fails to start.

This is a Drill

CONTROLLER FIELD REPORT C

TO: CONTROL ROOM OPERATOR

LOCATION: CONTROL ROOM

TIME: T = 09:30

MESSAGE:

This is a Drill

It is expected that the SWS will send an NPO to see why Safety Injection Pump No. 21 failed to start as an initial investigation. After being informed by the NPO of the status of the pump, it is expected that a repair team will be sent from the OSC to make a detailed investigation.

Give the following information when trouble shooting starts and it is requested.

Pump	Initial Investigation	Detailed Investigation
21 SIP	Problem is not electrical	Problem is a wiped bearings. Estimated repair time is 8 hours.

This is a Drill

TO: CONTROL ROOM OPERATOR

LOCATION: CONTROL ROOM

TIME: T = 09:35

MESSAGE: NO. 6

This a Drill

Increasing pressure in the PRT.

PRT Disc Ruptures.

Increasing level in the Containment pump.

Pressure decreases in the PRT.

This is a Drill

TO: CONTROL ROOM CONTROLLER

LOCATION: CONTROL ROOM

TIME: T = 09:40

MESSAGE: NO. 7

This is a Drill

SWS should declare an Alert because of RCS Barrier Breach.

This is a Drill

TO: CONTROL ROOM OPERATOR

LOCATION: CONTROL ROOM

TIME: T = 10:30

MESSAGE: NO. 8

This is a Drill

As a result of the Tornado a disturbance in the offsite electrical power system causes a loss of all offsite power supplies into the plant.

EDG's have already started, however, only EDG No. 21 and No. 22 load to the bus.

No. 23 EDG Breaker fails to close due to fault on Bus 6A.

> No high head Safety Injection Pumps available.

This is a Drill

TO: CONTROL ROOM CONTROLLER

LOCATION: CONTROL ROOM

TIME: T = 10:55

MESSAGE: NO. 9

This is a Drill

> After Control Room Operator resets SI and Phase A, valve 1228 is opened as per E-1.

> Valve 1190 inadvertently opens, attempts to close failed, valve will not close.

This a Drill

CONTROLLER FIELD REPORT D

TO: CONTROL ROOM OPERATOR

LOCATION: CONTROL ROOM

TIME: T = 11:05

MESSAGE:

This is a Drill

Attempts to close Valve No. 1190 unsuccessful.

This is a Drill

CONTROLLER FIELD REPORT E

TO: CHEMIST

LOCATION: CHEMISTRY FIELD

TIME: T = 12:30

MESSAGE:

This is a Drill

RCS System Sample

> 28 uci/cc

This is a Drill

TO: CONTROL ROOM OPERATOR

LOCATION: CONTROL ROOM

TIME: T = 12:30

MESSAGE: NO. 10

This is a Drill

> Small break LOCA results in voids in the Reactor Vessel head.

> RVLIS reading declining.

> Sample taken from RCS indicates >28 uci/cc.

This is a Drill

TO: CONTROLLER

LOCATION: CONTROL ROOM/EOF

TIME: T = 12:45

MESSAGE: NO. 11

This is a Drill

Emergency Director should declare a General Emergency as a result of the third barrier breach (fuel clad).

This is a Drill

CONTROLLER FIELD REPORT F

TO: CONTROL ROOM OPERATOR

LOCATION: CONTROL ROOM

TIME: T = 13:30

MESSAGE:

This is a Drill

> Maintenance completes repairs on EDG No. 23.

> EDG No. 23 energizes Bus 6A.

This is a Drill

CONTROLLER FIELD REPORT G

TO: CONTROL ROOM OPERATOR

LOCATION: CONTROL ROOM

TIME: T = 13:45

MESSAGE:

This is a Drill

> SIS Pump No. 22 repairs completed.

> SIS Pump No. 22 placed in service.

This is a Drill

CONTROLLER FIELD REPORT H

TO: CONTROL ROOM OPERATOR

LOCATION: CONTROL ROOM

TIME: T = 13:55

MESSAGE:

This is a Drill

> I & C installs jumper to close Valve No. 1190.

> Maintenance repairs Valve No. 1191 and valve closes.

> Plant proceeding to cold shutdown.

This is a Drill

TO: CONTROL ROOM OPERATOR

LOCATION: CONTROL ROOM

TIME: T = 14:00

MESSAGE: NO. 12

This is a Drill

Two Day Time Warp.

Reactor in cold shutdown.

All equipment normal.

This is a Drill

CONSOLIDATED EDISON COMPANY OF NEW YORK
INDIAN POINT UNIT NO. 2
DRILL SCENARIO NO. 1993

V. OBSERVER/CONTROLLER INSTRUCTIONS

A. Exercise Control Organization

Exercise Observer/Controllers shall be appointed in order to control, observe, 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 or 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 organization 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/Controller's comments should consider the evaluation elements set forth in Section C, "Exercise Evaluation Criteria." All notes taken should be retained for the purpose 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 personnel and offsite monitoring team.
- 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 Radiation Protection and Chemistry Technicians 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.
- Deportment of all personnel in the Control Room.

The following procedures could 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 Communication 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 observer the following:

- Timely activation
- A minimum of four qualified persons manning the center.
- Field survey performed.
- 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, OSC, 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 observer 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 has 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:

- 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 Health Physics 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 teams(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 MS-2/SPA-3 to Determine Thyroid Burdens
IP-1006	Site Perimeter Surveys
IP-1007	Determine of the Magnitude of Release and Exposure Rate
IP-1013	Recommendations 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 Noble Gas
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, 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 Radiation Protection 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 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 Offsite 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 performs survey as indicated using appropriate instrumentation.

The following procedures are to be used in the evaluation:

IP-1010	Search and Rescue Teams
IP-1011	Repair and Corrective Action
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

EMERGENCY EXERCISE/DRILL

OBSERVER/CONTROLLER LOG SHEET

Name: _____ Date: _____

Location: _____

TIME	OBSERVATION/COMMENT

ATTACHMENT 7.2
Page 1 OF 3

EMERGENCY DRILL PARTICIPANT ASSIGNMENT SHEET
Controllers-Observers

Drill Date 9/22/93

LOCATION	POSITION	NAME
CCR	Chief Controller	Inzirillo, F.
	Controller	Limoges,Ferrick
	Controller - SWS Dose Assessment	------
	Controller Communicators	Bollin, E.
	Controller - Watch HP Technician	Gately, D.
	Controller - Watch Chem Technician	Peters, J.
	Controller - Medical	------
	Controller - Fire Brigade	------
	Controller - NPO	Stroppel, M.
	Controller - Data Displayer	Hood, H.
TSC	Controller	Hayes, C.
	Info flow & Observer - utilization	Sutton, R.
	Observer - Communicator	Redding, R.
OSC	Controller - Coordinators TSC 53'	Julian, J.
	Controller OSC Team (Maint)	Puppa, J.
	Controller - OSC Team (Maint)	Montalvo, E.
	Controller - OSC Team (I&C)	Naku, K.
	Controller - OSC Team (Rad Pro)	Cubeta, G.
	Controller - OSC Team (Chem)	Kohnken, J.
	Controller - 72' Elevation	Pisiak, B.
EOF	Controller	Ferraro, A.
	Observer - Communicators	Whitney, M.
	Observer - Dose Assessment	Smith, D.

ATTACHMENT 7.2
Page 2 OF 3

EMERGENCY DRILL PARTICIPANT ASSIGNMENT SHEET
Controllers-Observers

Drill Date 9/22/93

LOCATION	POSITION	NAME
EOF	Controller - Emergency Director	McAvoy, J.
	Controller - Offsite Team	Sadlon, S.
	Controller - Offsite Team	Miller, D.
	Controller - Onsite Team	Martucci, R.
ASSEMBLY	Observer - Area A-B	Grassie, W.
	Observer - Simulator	Miller, M.
	Observer - Constr. Off. Complex	Condon, C.
	Observer - M.O. Building	------
	Observer - 72' TS/Admin	Cummings, B.
	Observer - Unit No. 1 Admin Bldg.	Giaccone, F.
	Observer - Service Center	------
	Observer - Security Admin Bldg.	Capalbo, R.
SECURITY	Controller - Controller Guard House	Elsroth, T.
	Observer - River Front Gate	------
	Observer - Main Gate	------
	Observer	------
ENC	Controller	Assigned by Walden
	Observer	"
	Observer	"
	Observer	"
CIG	Controller	Ross, M.
CRC	Controller	Wystepek

ATTACHMENT 7.1
Page 3 OF 3

EMERGENCY DRILL PARTICIPANT ASSIGNMENT SHEET
Controllers-Observers

Drill Date 9/22/93

LOCATION	POSITION	NAME
ASTORIA-ECC	Controller	Peters, R.
	Controller - Offsite Team	Megluevich
RC	Controller	------
AEOF	Controller	Ferraro, A.

ATTACHMENT 7.1
Page 1 OF 4

EMERGENCY DRILL PARTICIPANT ASSIGNMENT SHEET

Drill Date 9/22/93

JOB FUNCTION	NAME
Emergency Director (ED)	Miele, M.
Offsite Radiological Assessment Director	Gaynor, D.
Dose Assessment Health Physics	Teague, T.
Survey Team Health Physics	Magee, M.
Technical Advisor	Griffith
MIDAS Operators	Hewitt, R.
EOF Information Liaison	Spall, M.
Technical Advisor to Public Information	Primrose
Liaison to NYS EOC	-----
EOF Communicator No. 1 & 2	Falciano, Maier
Offsite Team	Resslhuber, B. Muller, Mettery, English,
Onsite Team	Baier, J., Agrest
Astoria ECC Coordinator	Colenaro
Astoria Backup Team(s)	Lynch, Damsky
Meteorologist	Cohen
EOF Clerical	Daly, Accomando, Birong, D.
SAS/Proteus Operator	Genadry, A.
Plant Operations Manager	Hugo, G.
TSC Manager	Curry, J.
I & C Coordinator	Olson, B.
Radiation Protection Coordinator	Shannon, M.
Maintenance Coordinator	Meyer, W.

ATTACHMENT 7.1
Page 2 OF 4

EMERGENCY DRILL PARTICIPANT ASSIGNMENT SHEET

Drill Date 9/22/93

JOB FUNCTION	NAME
Test & Performance Engineer	Barlok, J.
Systems Analysis Coordinator	Bar, A.
TSC Communicator	Barlin, I.
Data Courier	McKeon
TSC Communicator at CCR	Primrose, H.
Data Processor at CCR	Brooks, T.
Core Physics Engineer	Wong
Document Controller	Armstrong
Data Logger/SAS-Proteus Operator	Matalanis
TSC Clerical	Saylor, McKeon
OSC Manager	Noto, M.
Accountability Officer	McHugh
OSC Communicator	Evans, G.
Chemistry	Poplees, Accomando, Scott
Maintenance	Doyle, Tamburri, Bunch, Downing Nichols, Jerrick, Perez, Larson
EOF Clerical	Capalbo, R.,Edip,S.,McGuire,K.
Instrument & Control	Karasinski, Edling, Keyes, Mak, Dupilka, Lisewski
Quality Assurance	Boardman, Trombeta
Radiation Protection	Galleghar, Buda, Burris, Cubeta, Mages, Danielle
Material Control Storekeeper	Mete
Accident Victim	------
METACON/First Aid Team	------

ATTACHMENT 7.1
Page 3 OF 4

EMERGENCY DRILL PARTICIPANT ASSIGNMENT SHEET

Drill Date 9/22/93

JOB FUNCTION	NAME
Medical Representative	------
Senior Watch Supervisor	Jawor, J.
Support Facility Supervisor	Spangenberger
Senior Reactor Operator	Gorman, A.
Reactor Operator	O'Dell
Nuclear Plant Operators (7)	Pasquale, M., Jones, R., Schlagel, Studley, Campbell, Suneson, Hagarty
Watch Engineer	Santini
Control Room Communicator	Spagnola
Security Supervisors	Cullen, G.
Watch Rad Pro Tech	Colville, R.
Watch Chem Tech	Higgins, P.
Administration & Logistics Manager	Smith, L.
Engineering & Construction Support Manager	Remshaw
Central Information Group	Watch
Recovery Manager	------
Schedule & Planning Coordinator	------
Project Management Specialist	------
Emergency News Center Director	Walden, D.
Asst. Emergency News Center Director	Assigned by Walden
Corporate Spokesperson	Evans, J. M.
Information Coordinator	Assigned by Walden
Information Gatherer	------

ATTACHMENT 7.1
Page 4 OF 4

EMERGENCY DRILL PARTICIPANT ASSIGNMENT SHEET

Drill Date 9/22/93

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

Re: 1 07: 93

PARAMETER	TIME	07:30	07:45	08:00 TORNADO	08:15	08:30 C PR	08:45	09:00 LBMFP	09:15 TRIP	09:20 SI	09:35 BL DI:	09:45
Reactor Shutdown (Y/N)		N	N	N	N	N	N	N	Y	Y	Y	Y
NIS Power Range (%)		100	100	100	100	100	100	75	0	0	0	0
NIS Interim Range #35 (Amps)		3.7E-04	3.7E-04	3.7E-04	3.7E-04	3.7E-04	3.7E-04	2.8E-04	5.2E-10	5.2E-10	1.2E-11	1.2E-11
NIS Interim Range #36 (Amps)		3.9E-04	3.9E-04	3.9E-04	3.9E-04	3.9E-04	3.9E-04	2.9E-04	5.3E-10	5.3E-10	1.6E-11	1.6E-11
NIS Source Range #31 (Amps)		0	0	0	0	0	0	0	0	0	7000	7000
NIS Source Range #32 (Amps)		0	0	0	0	0	0	0	0	0	9500	9500
RCS Incor T/C (Center)(DegF)		599	599	599	599	599	599	586	558	558	599	599
RCS Incor T/C (Highest)(DegF)		603	603	603	605	605	605	596	562	562	603	603
RCS Pressure (PSIG)		2254	2254	2254	2254	2254	2254	2245	1872	1700	1510	1510
RCS Avg. Temp.(DegF)		559	559	559	559	559	559	556	545	541	574	574
RCS Cold Leg Temp. (DegF)		533	533	533	533	533	533	537	545	535	545	545
SAT Meter Margin (DegF)		41	41	41	41	41	41	51	64	64	0	0
RCP in Service (Y/N)		Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N
Pressurizer Level (%)		40	40	40	40	40	40	40	51	71	100	100
Reactor Vessel Level (%)		116	116	116	116	116	116	116	115	115	95	80
S/G WR Levels	#21 (%)	55	55	55	55	55	55	55	52	52	62	62
	#22	53	53	53	53	53	53	53	51	51	63	63
	#23	53	53	53	53	53	53	53	52	52	59	59
	#24	55	55	55	55	55	55	55	53	53	61	61
S/G Press	#21 (PSIG)	664	664	664	664	664	664	699	1005	1005	1005	1005
	#22	658	658	658	658	658	658	692	1002	1002	1002	1002
	#23	663	663	663	663	663	663	695	1004	1004	1004	1004
	#24	666	666	666	666	666	666	704	998	998	998	998
VC Pressure (PSIG)		-0.3	-0.4	-0.2	-0.2	-0.3	-0.3	-0.3	-0.3	-0.3	1.2	1.2
VC Temperature (DegF)		95	95	95	95	95	95	95	93	93	99	99
VC Sump Level (ft.)		40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	41.2
VC Hydrogen (%)		0	0	0	0	0	0	0	0	0	0	0
Aux FW Flow	SG21 (GPM)	28.1	28.1	28.1	28.1	28.1	28.1	28.1	200	200	100	100
	SG22	0	0	0	0	0	0	0	201	201	112	112
	SG23	0	0	0	0	0	0	0	198	198	98	98
	SG24	0	0	0	0	0	0	0	203	203	102	102
RWST Level (ft.)		37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.5	37.5	37.0	36.5
Cond Stor Tk Level (ft.)		28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.4	28.4	28.4

NUE

1190 SHUT
2 VLV OPN

LOSS_PWR OFFSITE

FAIL OPEN

...SE WINDOW

PARAMETER TIME	10:00	10:15	10:30	10:45	10:55	11:15	11:30	11:45	12:00	12:15	12:30
Reactor Shutdown (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
NIS Power range (%)	0	0	0	0	0	0	0	0	0	0	0
NIS Interim Range #35 (Amps)	1.2E-11	1.2E-11	1.2E-11	1.2E-11	1.2E-11	1.1E-11	1.1E-11	1.1E-11	1.1E-11	1.1E-11	1.1E-11
NIS Interim Range #36 (Amps)	1.6E-11	1.6E-11	1.6E-11	1.5E-11	1.5E-11	1.5E-11	1.5E-11	1.5E-11	1.5E-11	1.5E-11	1.4E-11
NIS Source Range #31 (Amps)	6700	6400	6100	5800	5500	5200	4900	4600	4300	4000	3700
NIS Source Range #32 (Amps)	9050	8600	8150	7700	7250	6800	6350	5900	5450	5000	4550
RCS Incor T/C (Center)(DegF)	603	639	637	660	690	722	714	754	759	797	793
RCS Incor T/C (Highest)(DegF)	625	645	655	665	695	725	745	760	780	795	820
RCS Pressure (PSIG)	1500	1530	1560	1500	1500	1500	1500	1500	1550	1405	1300
RCS Avg. Temp.(DegF)	587	595	600	605	621	643	655	665	676	689	708
RCS Cold Leg Temp. (DegF)	548	545	545	545	547	561	564	570	573	584	597
SAT Meter Margin (DegF)	0	0	0	0	0	0	0	0	0	0	0
RCP in Service (Y/N)	N	N	N	N	N	N	N	N	N	N	N
Pressurizer Level (%)	100	100	100	100	100	100	100	100	100	100	100
Reactor Vessel Level (%)	77	76	75	73	68	63	58	53	45	30	23
S/G WR Levels #21 (%)	62	62	62	62	62	60	59	58	55	54	54
#22	63	63	63	63	63	63	60	58	55	53	52
#23	59	59	59	58	58	58	57	57	57	57	57
#24	61	61	61	61	61	61	60	59	59	59	59
S/G Press #21 (PSIG)	1005	1005	1005	1005	985	964	944	915	908	904	884
#22	1002	1002	1002	1002	950	932	912	912	903	887	883
#23	1004	1004	1004	1004	1002	999	978	969	964	963	964
#24	1005	1005	1005	1005	998	979	978	962	936	932	932
VC Pressure (PSIG)	1.8	2.1	2.3	2.4	1.9	1.1	0.9	0.5	0.5	0.6	0.2
VC Temperature (DegF)	101	102	102	102	102	103	104	104	104	104	105
VC Sump Level (ft.)	43.4	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
VC Hydrogen (%)	0	0	0	0	0	0	0	0	0.73%	0.78%	1.41%
Aux FW Flow SG21 (GPM)	100	100	100	100	203	203	203	203	203	203	203
SG22	112	112	112	112	204	204	204	204	204	204	204
SG23	98	98	0	0	0	0	0	0	0	0	0
SG24	102	102	0	0	0	0	0	0	0	0	0
RWST Level (ft.)	36.2	35.9	35.6	35.3	35.0	34.7	34.4	34.1	33.8	33.5	33.2
Cond Stor Tk Level (ft.)	28.4	28.3	28.3	28.3	28.3	28.3	28.2	28.2	28.2	28.2	28.2

RELEASE STARTS

BASED ON SAMPLE

					RESTORE POWER	STORE 2SIP	1190 SHUT			TIME WARP 48 HOURS	
PARAMETER	TIME	12:45	13:00	13:15	13:30	13:45	13:55	14:00	14:15	08:00	08:15
Reactor Shutdown (Y/N)		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
NIS Power range (%)		0	0	0	0	0	0	0	0	0	0
NIS Interim Range #35 (Amps)		1.1E-11	1.1E-11	1.1E-11	1.1E-11	1.0E-11	1.0E-11	1.0E-11	1.0E-11	1.0E-12	1.0E-12
NIS Interim Range #36 (Amps)		1.4E-11	1.4E-11	1.4E-11	1.4E-11	1.4E-11	1.4E-11	1.3E-11	1.3E-11	1.0E-13	1.0E-13
NIS Source Range #31 (Amps)		3400	3100	2800	2500	2200	1900	1600	1300	30	30
NIS Source Range #32 (Amps)		4100	3650	3200	2750	2300	1850	1400	950	14	15
RCS Incor T/C (Center)(DegF)		829	847	867	907	887	897	897	897	94	92
RCS Incor T/C (Highest)(DegF)		840	865	895	915	913	910	903	895	110	108
RCS Pressure (PSIG)		1250	1100	1150	1300	1500	1475	1400	1450	30	30
RCS Avg. Temp.(DegF)		725	738	759	770	771	773	774	773	110	108
RCS Cold Leg Temp. (DegF)		610	611	623	624	630	637	644	651	110	108
SAT Meter Margin (DegF)		0	0	0	0	0	0	0	0	0	0
RCP in Service (Y/N)		N	N	N	N	N	N	N	N	N	N
Pressurizer Level (%)		100	100	100	100	100	100	100	100	0	0
Reactor Vessel Level (%)		26	31	32	37	44	51	58	65	65	65
S/G WR Levels	#21 (%)	51	51	50	50	49	49	48	47	62	62
	#22	50	50	49	48	48	47	47	47	63	63
	#23	57	57	57	57	57	57	57	57	59	59
	#24	59	59	59	59	59	59	59	59	61	61
S/G Press	#21 (PSIG)	875	875	847	825	803	783	783	784	0	0
	#22	873	873	869	861	837	810	801	782	0	0
	#23	965	965	967	968	968	969	970	971	0	0
	#24	933	935	935	935	936	936	937	937	0	0
VC Pressure (PSIG)		0.1	0.6	0.6	0.5	0.3	0.7	1.0	1.1	0.1	0.1
VC Temperature (DegF)		106	107	108	108	108	108	109	109	82	82
VC Sump Level (ft.)		45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	40.2	40.2
VC Hydrogen (%)		2.33%	3.05%	3.46%	3.59%	4.04%	4.36%	5.04%	5.60%	0.00%	0.00%
Aux FW Flow	SG21 (GPM)	203	203	203	203	203	203	203	203	0	0
	SG22	204	204	204	204	204	204	204	204	0	0
	SG23	0	0	0	0	0	0	0	0	0	0
	SG24	0	0	0	0	0	0	0	0	0	0
RWST Level (ft.)		32.9	32.6	32.3	32.0	31.7	31.4	31.1	30.8	35.3	35.3
Cond Stor Tk Level (ft.)		28.1	28.1	28.1	28.1	28.1	28.0	28.0	28.0	28.3	28.3

SCENARIO NO. 1993

PLANT STATUS LOG

PARAMETER			TIME 07:30
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	S
Gas Turbines		GT-1	O
		GT-2	O
		GT-3	O
SIS Pumps		#21	S
		#22	O/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	O/S
		#23	S
Containment Spray Pumps		#21	S
		#22	S
Recirculation Pumps		#21	S
		#22	S
Hydrogen Recombiner		#21	S
		#22	S

PARAMETER			TIME 07:30
Service Water Pumps		#21	O
(Circle Essential Hdr)		#22	S
		#23	O
		#24	S
		#25	O
		#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		(Y/N)	N
VC Isol. Phase B		(Y/N)	N
VC Isol. Vent		(Y/N)	N
Exceptions PCV-1190,1191,1192			OPEN
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

PLANT STATUS LOG

SCENARIO NO. 1993

PARAMETER		TIME 07:45
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	O
	GT-2	O
	GT-3	O
SIS Pumps	#21	S
	#22	O/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	O/S
	#23	S
Containment Spray Pumps	#21	S
	#22	S
Recirculation Pumps	#21	S
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 07:45
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	S
	#23	O
	#24	S
	#25	O
	#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)	N
Exceptions PCV-1190,1191,1192		OPEN
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

PLANT STATUS LOG

SCENARIO NO. 1993

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	S
Gas Turbines		GT-1	O
		GT-2	O
		GT-3	O
SIS Pumps		#21	S
		#22	O/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	O/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	S
	#25	O
	#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)	N
Exceptions PCV-1190,1191,1192		OPEN
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. 1993

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	S
Gas Turbines	GT-1	O
	GT-2	O
	GT-3	O
SIS Pumps	#21	S
	#22	O/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	O/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	S
	#25	O
	#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)	N
Exceptions	PCV-1190,1191,1192	OPEN
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. 1993

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	S
Gas Turbines		GT-1	O
		GT-2	O
		GT-3	O
SIS Pumps		#21	S
		#22	O/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	O/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	S
		#25	O
		#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	O
Fan Cooler Units		#21	O
		#22	O
		#23	O
		#24	O
		#25	O
VC Isol. Phase A		(Y/N)	N
VC Isol. Phase B		(Y/N)	N
VC Isol. Vent		(Y/N)	N
Exceptions	PCV-1191,1192		OPEN
	PCV-1190		CLOSED
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. 1993

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	O
		#22	O
		#23	O
Gas Turbines		GT-1	S
		GT-2	S
		GT-3	S
SIS Pumps		#21	S
		#22	O/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	O/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	S
		#25	O
		#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		(Y/N)	N
VC Isol. Phase B		(Y/N)	N
VC Isol. Vent		(Y/N)	N
Exceptions	PCV-1191,1192		OPEN
	PCV-1190		CLOSED
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. 1993

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	S
Gas Turbines	GT-1	O
	GT-2	O
	GT-3	O
SIS Pumps	#21	S
	#22	O/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	O*
	#22	O/S
	#23	O*
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	S
	#23	O
	#24	S
	#25	O
	#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	(Y/N)	N
VC Isol. Phase B	(Y/N)	N
VC Isol. Vent	(Y/N)	N
Exceptions PCV-1191, 1192		OPEN
PCV-1190		CLOSED
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. 1993

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	S
Gas Turbines		GT-1	O
		GT-2	O
		GT-3	O
SIS Pumps		#21	S
		#22	O/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	O
		#22	O/S
		#23	O
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	S
		#23	O
		#24	S
		#25	O
		#26	O
Circ Water Pumps		#21	O
		#22	O
		#23	O
		#24	O
		#25	O
		#26	O
Condensate Pumps		#21	O
		#22	O
		#23	S*
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		(Y/N)	N
VC Isol. Phase B		(Y/N)	N
VC Isol. Vent		(Y/N)	N
Exceptions	PCV-1191,1192		OPEN
	PCV-1190		CLOSED
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

PLANT STATUS LOG

SCENARIO NO. 1993

PARAMETER		TIME 09:20
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	O*
	#22	O*
	#23	O*
Gas Turbines	GT-1	O
	GT-2	O
	GT-3	O
SIS Pumps	#21	O/S*
	#22	O/S
	#23	O*
RHR Pumps	#21	O*
	#22	O*
Charging Pumps	#21	S
	#22	S
	#23	S
Rx Coolant Pumps	#21	O
	#22	O
	#23	O
	#24	O
Component Cooling Pumps	#21	O*
	#22	O
	#23	O
Aux Component Cooling Pumps	#21	O*
	#22	O*
Aux Feed Water Pumps	#21	O
	#22	O/S
	#23	O
Containment Spray Pumps	#21	S
	#22	S
Recirculation Pumps	#21	S
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 09:20
Service Water Pumps (Circle Essential Hdr)	#21	O
	#22	O*
	#23	O
	#24	S
	#25	S*
	#26	S*
Circ Water Pumps	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
	#26	O
Condensate Pumps	#21	O
	#22	O
	#23	S*
Comp. Cool Heat Exch	#21	O
	#22	S
RHR Heat Exchanger	#21	O
	#22	O
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
VC Isol. Phase A	(Y/N)	Y
VC Isol. Phase B	(Y/N)	N
VC Isol. Vent	(Y/N)	N
Exceptions PCV-1191, 1192		OPEN
PCV-1190		CLOSED
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. 1993

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	O*
		#22	O*
		#23	O*
Gas Turbines		GT-1	O
		GT-2	O
		GT-3	O
SIS Pumps		#21	O/S
		#22	O/S
		#23	O
RHR Pumps		#21	O
		#22	O
Charging Pumps		#21	O*
		#22	S
		#23	S
Rx Coolant Pumps		#21	O
		#22	O
		#23	O
		#24	O
Component Cooling Pumps		#21	O
		#22	O
		#23	O
Aux Component Cooling Pumps		#21	O
		#22	O
Aux Feed Water Pumps		#21	O
		#22	O/S
		#23	O
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	O
		#24	S
		#25	S*
		#26	S*
Circ Water Pumps		#21	O
		#22	O
		#23	O
		#24	O
		#25	O
		#26	O
Condensate Pumps		#21	O
		#22	O
		#23	S*
Comp. Cool Heat Exch		#21	O
		#22	S
RHR Heat Exchanger		#21	O
		#22	O
Fan Cooler Units		#21	O
		#22	O
		#23	O
		#24	O
		#25	O
VC Isol. Phase A		(Y/N)	Y
VC Isol. Phase B		(Y/N)	N
VC Isol. Vent		(Y/N)	N
Exceptions	PCV-1191, 1192		OPEN
	PCV-1190		CLOSED
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. 1993

PLANT STATUS LOG

PARAMETER		TIME 09:35
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	O
	#22	O
	#23	O
Gas Turbines	GT-1	O
	GT-2	O
	GT-3	O
SIS Pumps	#21	O/S
	#22	O/S
	#23	O
RHR Pumps	#21	O
	#22	O
Charging Pumps	#21	O
	#22	S
	#23	S
Rx Coolant Pumps	#21	S
	#22	S*
	#23	S*
	#24	S*
Component Cooling Pumps	#21	O*
	#22	O
	#23	O
Aux Component Cooling Pumps	#21	O
	#22	O
Aux Feed Water Pumps	#21	O
	#22	O/S
	#23	O
Containment Spray Pumps	#21	S
	#22	S
Recirculation Pumps	#21	S
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 09:35
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	O*
	#23	O
	#24	S
	#25	S*
	#26	S*
Circ Water Pumps	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
	#26	O
Condensate Pumps	#21	O
	#22	O
	#23	S*
Comp. Cool Heat Exch	#21	O
	#22	S
RHR Heat Exchanger	#21	O
	#22	O
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
VC Isol. Phase A	(Y/N)	Y
VC Isol. Phase B	(Y/N)	N
VC Isol. Vent	(Y/N)	N
Exceptions PCV-1191, 1192		OPEN
PCV-1190		CLOSED
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. 1993

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	O
	#22	O
	#23	O
Gas Turbines	GT-1	O
	GT-2	O
	GT-3	O
SIS Pumps	#21	O/S
	#22	O/S
	#23	O
RHR Pumps	#21	O
	#22	O
Charging Pumps	#21	O*
	#22	S
	#23	S
Rx Coolant Pumps	#21	S
	#22	S
	#23	S
	#24	S
Component Cooling Pumps	#21	O
	#22	O
	#23	O
Aux Component Cooling Pumps	#21	O
	#22	O
Aux Feed Water Pumps	#21	O
	#22	O/S
	#23	O
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	O
	#24	S
	#25	S*
	#26	S*
Circ Water Pumps	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
	#26	O
Condensate Pumps	#21	O
	#22	O
	#23	S*
Comp. Cool Heat Exch	#21	O
	#22	S
RHR Heat Exchanger	#21	O
	#22	O
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
VC Isol. Phase A	(Y/N)	Y
VC Isol. Phase B	(Y/N)	N
VC Isol. Vent	(Y/N)	N
Exceptions PCV-1191, 1192		OPEN
PCV-1190		CLOSED
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. 1993

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	O*
	#22	O*
	#23	O*
Gas Turbines	GT-1	O
	GT-2	O
	GT-3	O
SIS Pumps	#21	O/S*
	#22	O/S
	#23	O
RHR Pumps	#21	O
	#22	O
Charging Pumps	#21	O*
	#22	S
	#23	S
Rx Coolant Pumps	#21	O
	#22	O
	#23	O
	#24	O
Component Cooling Pumps	#21	O*
	#22	O
	#23	O
Aux Component Cooling Pumps	#21	O*
	#22	O*
Aux Feed Water Pumps	#21	O
	#22	O/S
	#23	O
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	O
	#24	S
	#25	S*
	#26	S*
Circ Water Pumps	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
	#26	O
Condensate Pumps	#21	O
	#22	O
	#23	S*
Comp. Cool Heat Exch	#21	O
	#22	S
RHR Heat Exchanger	#21	O
	#22	S
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
VC Isol. Phase A	(Y/N)	Y
VC Isol. Phase B	(Y/N)	N
VC Isol. Vent	(Y/N)	N
Exceptions FCV-1191, 1192		OPEN
PCV-1190		CLOSED
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. 1993

PLANT STATUS LOG

PARAMETER			TIME 10:15
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	O
		#22	O
		#23	O
Gas Turbines		GT-1	O
		GT-2	O
		GT-3	O
SIS Pumps		#21	O/S
		#22	O/S
		#23	O
RHR Pumps		#21	O
		#22	O
Charging Pumps		#21	O*
		#22	S
		#23	S
Rx Coolant Pumps		#21	S
		#22	S
		#23	S
		#24	S
Component Cooling Pumps		#21	O
		#22	O
		#23	O
Aux Component Cooling Pumps		#21	O
		#22	O
Aux Feed Water Pumps		#21	O
		#22	O/S
		#23	O
Containment Spray Pumps		#21	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	O*
		#23	O
		#24	S
		#25	S*
		#26	S*
Circ Water Pumps		#21	O
		#22	O
		#23	O
		#24	O
		#25	O
		#26	O
Condensate Pumps		#21	O
		#22	O
		#23	S*
Comp. Cool Heat Exch		#21	O
		#22	S
RHR Heat Exchanger		#21	O
		#22	O
Fan Cooler Units		#21	O
		#22	O
		#23	O
		#24	O
		#25	O
VC Isol. Phase A		(Y/N)	Y
VC Isol. Phase B		(Y/N)	N
VC Isol. Vent		(Y/N)	N
Exceptions	PCV-1191, 1192		OPEN
	PCV-1190		CLOSED
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 status from previous log

PLANT STATUS LOG

SCENARIO NO. 1993

PARAMETER			TIME 10:30
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	2A	O
	BUS	3A	O
	BUS	5A	O
	BUS	6A	O/S
Emergency D/Gs		#21	O
		#22	O
		#23	O
Gas Turbines		GT-1	O
		GT-2	O
		GT-3	O
SIS Pumps		#21	O/S
		#22	O/S
		#23	S*
RHR Pumps		#21	O
		#22	S*
Charging Pumps		#21	O
		#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	S*
Aux Feed Water Pumps		#21	O
		#22	O/S
		#23	S*
Containment Spray Pumps		#21	S
		#22	S
Recirculation Pumps		#21	S
		#22	S
Hydrogen Recombiner		#21	S
		#22	S

PARAMETER		TIME 10:30
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	S
RHR Heat Exchanger	#21	O
	#22	O
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S*
VC Isol. Phase A	(Y/N)	Y
VC Isol. Phase B	(Y/N)	N
VC Isol. Vent	(Y/N)	N
Exceptions PCV-1191, 1192		OPEN
PCV-1190		CLOSED
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. 1993

PLANT STATUS LOG

PARAMETER		TIME 10:45
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 2A	O
	BUS 3A	O
	BUS 5A	O
	BUS 6A	O/S
Emergency D/Gs	#21	O
	#22	O
	#23	O
Gas Turbines	GT-1	O
	GT-2	O
	GT-3	O
SIS Pumps	#21	O/S
	#22	O/S
	#23	S*
RHR Pumps	#21	O
	#22	S*
Charging Pumps	#21	O
	#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	S
Aux Feed Water Pumps	#21	O
	#22	O/S
	#23	S
Containment Spray Pumps	#21	S
	#22	S
Recirculation Pumps	#21	S
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 10:45
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	S
RHR Heat Exchanger	#21	O
	#22	O
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S
VC Isol. Phase A	(Y/N)	Y
VC Isol. Phase B	(Y/N)	N
VC Isol. Vent	(Y/N)	N
Exceptions PCV-1191, 1192		OPEN
PCV-1190		CLOSED
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. 1993

PLANT STATUS LOG

PARAMETER			TIME 10:55
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	2A	O
	BUS	3A	O
	BUS	5A	O
	BUS	6A	O/S
Emergency D/Gs		#21	O
		#22	O
		#23	O
Gas Turbines		GT-1	O
		GT-2	O
		GT-3	O
SIS Pumps		#21	O/S
		#22	O/S
		#23	S
RHR Pumps		#21	O
		#22	S
Charging Pumps		#21	O
		#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	S
Aux Feed Water Pumps		#21	O
		#22	O/S
		#23	S
Containment Spray Pumps		#21	S
		#22	S
Recirculation Pumps		#21	S
		#22	S
Hydrogen Recombiner		#21	S
		#22	S

PARAMETER		TIME 10:55
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	S
RHR Heat Exchanger	#21	O
	#22	O
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S
VC Isol. Phase A	(Y/N)	Y
VC Isol. Phase B	(Y/N)	N
VC Isol. Vent	(Y/N)	N
Exceptions PCV-1190, 1191, 1192		OPEN
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. 1993

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	2A	O
	BUS	3A	O
	BUS	5A	O
	BUS	6A	O/S
Emergency D/Gs		#21	O
		#22	O
		#23	O
Gas Turbines		GT-1	O
		GT-2	O
		GT-3	O
SIS Pumps		#21	O/S
		#22	O/S
		#23	S
RHR Pumps		#21	O
		#22	S
Charging Pumps		#21	O
		#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	S
Aux Feed Water Pumps		#21	O
		#22	O/S
		#23	S
Containment Spray Pumps		#21	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	O
Comp. Cool Heat Exch	#21	O
	#22	S
RHR Heat Exchanger	#21	O
	#22	O
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S
VC Isol. Phase A	(Y/N)	Y
VC Isol. Phase B	(Y/N)	N
VC Isol. Vent	(Y/N)	N
Exceptions	PCV-1190, 1191, 1192	OPEN
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. 1993

PLANT STATUS LOG

PARAMETER		TIME 11:15
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 2A	O
	BUS 3A	O
	BUS 5A	O
	BUS 6A	O/S
Emergency D/Gs	#21	O
	#22	O
	#23	O
Gas Turbines	GT-1	O
	GT-2	O
	GT-3	O
SIS Pumps	#21	O/S
	#22	O/S
	#23	S
RHR Pumps	#21	O
	#22	S
Charging Pumps	#21	O
	#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	S
Aux Feed Water Pumps	#21	O
	#22	O/S
	#23	S
Containment Spray Pumps	#21	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	S
RHR Heat Exchanger	#21	O
	#22	O
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S
VC Isol. Phase A	(Y/N)	Y
VC Isol. Phase B	(Y/N)	N
VC Isol. Vent	(Y/N)	N
Exceptions	PCV-1190, 1191, 1192	OPEN
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. 1993

PLANT STATUS LOG

PARAMETER		TIME 11:30
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 2A	O
	BUS 3A	O
	BUS 5A	O
	BUS 6A	O/S
Emergency D/Gs	#21	O
	#22	O
	#23	O
Gas Turbines	GT-1	O
	GT-2	O
	GT-3	O
SIS Pumps	#21	O/S
	#22	O/S
	#23	S
RHR Pumps	#21	O
	#22	S
Charging Pumps	#21	O
	#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	S
Aux Feed Water Pumps	#21	O
	#22	O/S
	#23	S
Containment Spray Pumps	#21	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	S
RHR Heat Exchanger	#21	O
	#22	O
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S
VC Isol. Phase A	(Y/N)	Y
VC Isol. Phase B	(Y/N)	N
VC Isol. Vent	(Y/N)	N
Exceptions	PCV-1190, 1191, 1192	OPEN
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. 1993

PLANT STATUS LOG

PARAMETER			TIME 11:45
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	2A	O
	BUS	3A	O
	BUS	5A	O
	BUS	6A	O/S
Emergency D/Gs		#21	O
		#22	O
		#23	O
Gas Turbines		GT-1	O
		GT-2	O
		GT-3	O
SIS Pumps		#21	O/S
		#22	O/S
		#23	S
RHR Pumps		#21	O
		#22	S
Charging Pumps		#21	O
		#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	S
Aux Feed Water Pumps		#21	O
		#22	O/S
		#23	S
Containment Spray Pumps		#21	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	S
RHR Heat Exchanger	#21	O
	#22	O
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S
VC Isol. Phase A	(Y/N)	Y
VC Isol. Phase B	(Y/N)	N
VC Isol. Vent	(Y/N)	N
Exceptions PCV-1190, 1191, 1192		OPEN
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. 1993

PLANT STATUS LOG

PARAMETER		TIME 12:00
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 2A	O
	BUS 3A	O
	BUS 5A	O
	BUS 6A	O/S
Emergency D/Gs	#21	O
	#22	O
	#23	O
Gas Turbines	GT-1	O
	GT-2	O
	GT-3	O
SIS Pumps	#21	O/S
	#22	O/S
	#23	S
RHR Pumps	#21	O
	#22	S
Charging Pumps	#21	O
	#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	S
Aux Feed Water Pumps	#21	O
	#22	O/S
	#23	S
Containment Spray Pumps	#21	S
	#22	S
Recirculation Pumps	#21	S
	#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	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	S
RHR Heat Exchanger	#21	O
	#22	O
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S
VC Isol. Phase A	(Y/N)	Y
VC Isol. Phase B	(Y/N)	N
VC Isol. Vent	(Y/N)	N
Exceptions	PCV-1190, 1191, 1192	OPEN
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. 1993

PLANT STATUS LOG

PARAMETER			TIME 12:15
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	2A	O
	BUS	3A	O
	BUS	5A	O
	BUS	6A	O/S
Emergency D/Gs		#21	O
		#22	O
		#23	O
Gas Turbines		GT-1	O
		GT-2	O
		GT-3	O
SIS Pumps		#21	O/S
		#22	O/S
		#23	S
RHR Pumps		#21	O
		#22	S
Charging Pumps		#21	O
		#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	S
Aux Feed Water Pumps		#21	O
		#22	O/S
		#23	S
Containment Spray Pumps		#21	S
		#22	S
Recirculation Pumps		#21	S
		#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	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	S
RHR Heat Exchanger		#21	O
		#22	O
Fan Cooler Units		#21	O
		#22	O
		#23	O
		#24	O
		#25	S
VC Isol. Phase A		(Y/N)	Y
VC Isol. Phase B		(Y/N)	N
VC Isol. Vent		(Y/N)	N
Exceptions	PCV-1190, 1191, 1192		OPEN
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. 1993

PLANT STATUS LOG

PARAMETER		TIME 12:30
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 2A	O
	BUS 3A	O
	BUS 5A	O
	BUS 6A	O/S
Emergency D/Gs	#21	O
	#22	O
	#23	O
Gas Turbines	GT-1	O
	GT-2	O
	GT-3	O
SIS Pumps	#21	O/S
	#22	O/S
	#23	S
RHR Pumps	#21	O
	#22	S
Charging Pumps	#21	O
	#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	S
Aux Feed Water Pumps	#21	O
	#22	O/S
	#23	S
Containment Spray Pumps	#21	S
	#22	S
Recirculation Pumps	#21	S
	#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	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	S
RHR Heat Exchanger	#21	O
	#22	O
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S
VC Isol. Phase A	(Y/N)	Y
VC Isol. Phase B	(Y/N)	N
VC Isol. Vent	(Y/N)	N
Exceptions	PCV-1190, 1191, 1192	OPEN
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

PLANT STATUS LOG

SCENARIO NO. 1993

PARAMETER			TIME 12:45
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	2A	O
	BUS	3A	O
	BUS	5A	O
	BUS	6A	O/S
Emergency D/Gs		#21	O
		#22	O
		#23	O
Gas Turbines		GT-1	O
		GT-2	O
		GT-3	O
SIS Pumps		#21	O/S
		#22	O/S
		#23	S
RHR Pumps		#21	O
		#22	S
Charging Pumps		#21	O
		#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	S
Aux Feed Water Pumps		#21	O
		#22	O/S
		#23	S
Containment Spray Pumps		#21	S
		#22	S
Recirculation Pumps		#21	S
		#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	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	S
RHR Heat Exchanger		#21	O
		#22	O
Fan Cooler Units		#21	O
		#22	O
		#23	O
		#24	O
		#25	S
VC Isol. Phase A		(Y/N)	Y
VC Isol. Phase B		(Y/N)	N
VC Isol. Vent		(Y/N)	N
Exceptions	PCV-1190, 1191, 1192		OPEN
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. 1993

PLANT STATUS LOG

PARAMETER		TIME 13:00
Offsite Power Available	138KV	O/S
	13.8KV	O
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 2A	O
	BUS 3A	O
	BUS 5A	O
	BUS 6A	O/S
Emergency D/Gs	#21	O
	#22	O
	#23	O
Gas Turbines	GT-1	O
	GT-2	O
	GT-3	O
SIS Pumps	#21	O/S
	#22	O/S
	#23	S
RHR Pumps	#21	O
	#22	S
Charging Pumps	#21	O
	#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	S
Aux Feed Water Pumps	#21	O
	#22	O/S
	#23	S
Containment Spray Pumps	#21	S
	#22	S
Recirculation Pumps	#21	S
	#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	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	S
RHR Heat Exchanger	#21	O
	#22	O
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S
VC Isol. Phase A	(Y/N)	Y
VC Isol. Phase B	(Y/N)	N
VC Isol. Vent	(Y/N)	N
Exceptions	PCV-1190, 1191, 1192	OPEN
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. 1993

PLANT STATUS LOG

PARAMETER		TIME 13:15
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 2A	O
	BUS 3A	O
	BUS 5A	O
	BUS 6A	O/S
Emergency D/Gs	#21	O
	#22	O
	#23	O
Gas Turbines	GT-1	O
	GT-2	O
	GT-3	O
SIS Pumps	#21	O/S
	#22	O/S
	#23	S
RHR Pumps	#21	O
	#22	S
Charging Pumps	#21	O
	#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	S
Aux Feed Water Pumps	#21	O
	#22	O/S
	#23	S
Containment Spray Pumps	#21	S
	#22	S
Recirculation Pumps	#21	S
	#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	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	S
RHR Heat Exchanger	#21	O
	#22	O
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	S
VC Isol. Phase A	(Y/N)	Y
VC Isol. Phase B	(Y/N)	N
VC Isol. Vent	(Y/N)	N
Exceptions	PCV-1190, 1191, 1192	OPEN
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. 1993

PLANT STATUS LOG

PARAMETER			TIME 13:30
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	2A	O
	BUS	3A	O
	BUS	5A	O
	BUS	6A	O*
Emergency D/Gs		#21	O
		#22	O
		#23	O
Gas Turbines		GT-1	O
		GT-2	O
		GT-3	O
SIS Pumps		#21	O/S
		#22	O/S
		#23	O*
RHR Pumps		#21	O
		#22	O*
Charging Pumps		#21	O
		#22	S
		#23	S
Rx Coolant Pumps		#21	S
		#22	S
		#23	S
		#24	S
Component Cooling Pumps		#21	O
		#22	O
		#23	O*
Aux Component Cooling Pumps		#21	O
		#22	O
Aux Feed Water Pumps		#21	O
		#22	O/S
		#23	S*
Containment Spray Pumps		#21	S
		#22	S
Recirculation Pumps		#21	S
		#22	S
Hydrogen Recombiner		#21	S
		#22	S

PARAMETER			TIME 13:30
Service Water Pumps		#21	O
(Circle Essential Hdr)		#22	O
		#23	O*
		#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	S
RHR Heat Exchanger		#21	O
		#22	O
Fan Cooler Units		#21	O
		#22	O
		#23	O
		#24	O
		#25	O*
VC Isol. Phase A		(Y/N)	Y
VC Isol. Phase B		(Y/N)	N
VC Isol. Vent		(Y/N)	N
Exceptions	PCV-1190, 1191, 1192		OPEN
High Head SIS Flow		#21 (GPM)	O
		#22 (GPM)	120
		#23 (GPM)	O
		#24 (GPM)	140
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

PLANT STATUS LOG

SCENARIO NO. 1993

PARAMETER		TIME 13:45
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 2A	O
	BUS 3A	O
	BUS 5A	O
	BUS 6A	O
Emergency D/Gs	#21	O
	#22	O
	#23	O
Gas Turbines	GT-1	O
	GT-2	O
	GT-3	O
SIS Pumps	#21	S/O
	#22	O
	#23	O
RHR Pumps	#21	O
	#22	O
Charging Pumps	#21	O
	#22	S
	#23	S
Rx Coolant Pumps	#21	S
	#22	S
	#23	S
	#24	S
Component Cooling Pumps	#21	O
	#22	O
	#23	O
Aux Component Cooling Pumps	#21	O
	#22	O
Aux Feed Water Pumps	#21	O
	#22	O/S
	#23	S
Containment Spray Pumps	#21	S
	#22	S
Recirculation Pumps	#21	S
	#22	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 13:45
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	O
	#23	O
	#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	S
RHR Heat Exchanger	#21	O
	#22	O
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
VC Isol. Phase A	(Y/N)	Y
VC Isol. Phase B	(Y/N)	N
VC Isol. Vent	(Y/N)	N
Exceptions	PCV-1190, 1191, 1192	OPEN
High Head SIS Flow	#21 (GPM)	O
	#22 (GPM)	60
	#23 (GPM)	80
	#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. 1993

PLANT STATUS LOG

PARAMETER		TIME 13:55
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 2A	O
	BUS 3A	O
	BUS 5A	O
	BUS 6A	O
Emergency D/Gs	#21	O
	#22	O
	#23	O
Gas Turbines	GT-1	O
	GT-2	O
	GT-3	O
SIS Pumps	#21	O
	#22	O/S
	#23	O
RHR Pumps	#21	O
	#22	O
Charging Pumps	#21	O
	#22	S
	#23	S
Rx Coolant Pumps	#21	S
	#22	S
	#23	S
	#24	S
Component Cooling Pumps	#21	O
	#22	O
	#23	O
Aux Component Cooling Pumps	#21	O
	#22	O
Aux Feed Water Pumps	#21	O
	#22	O/S
	#23	S
Containment Spray Pumps	#21	S
	#22	S
Recirculation Pumps	[illegible]	S
	[illegible]	S
Hydrogen Recombiner	#21	S
	#22	S

PARAMETER		TIME 13:55
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	O
	#23	O
	#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	S
RHR Heat Exchanger	#21	O
	#22	O
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
VC Isol. Phase A	(Y/N)	Y
VC Isol. Phase B	(Y/N)	N
VC Isol. Vent	(Y/N)	N
Exceptions PCV-1191, 1192		OPEN
PCV-1190		CLOSED
High Head SIS Flow	#21 (GPM)	O
	#22 (GPM)	60
	#23 (GPM)	O
	#24 (GPM)	80
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 14:00
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 2A	O
	BUS 3A	O
	BUS 5A	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	S
	#22	S
	#23	S
RHR Pumps	#21	O
	#22	S*
Charging Pumps	#21	S
	#22	S
	#23	S
Rx Coolant Pumps	#21	S
	#22	S
	#23	S
	#24	S
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 14:00**
Service Water Pumps	#21	O
(Circle Essential Hdr)	#22	S*
	#23	O
	#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	S
RHR Heat Exchanger	#21	O
	#22	S*
Fan Cooler Units	#21	O
	#22	O
	#23	O
	#24	O
	#25	O
VC Isol. Phase A	(Y/N)	N
VC Isol. Phase B	(Y/N)	N
VC Isol. Vent	(Y/N)	N
Exceptions PCV-1190, 1191, 1192		CLOSED
High Head SIS Flow	#21 (GPM)	O
	#22 (GPM)	O
	#23 (GPM)	O
	#24 (GPM)	O
Low Head SIS Flow	#21 (GPM)	500
	#22 (GPM)	460
	#23 (GPM)	480
	#24 (GPM)	510
Accumulator Level	#21 (%)	67
	#22 (%)	66
	#23 (%)	67
	#24 (%)	68

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

SCENARIO NO. 1993

RADIOLOGICAL/METEROLOGICAL LOG

PARAMETER TIME	07:30	07:45	08:00	08:15	08:30	08:45	09:00
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-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09
R-42 VC Gas uCi/cc	1.0E-03	1.0E-03	1.0E-03	1.0E-03	1.0E-03	1.0E-03	1.0E-03
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-44 Vent I131 uCi/cc	1.0E-11	1.0E-11	1.0E-11	1.0E-11	1.0E-11	1.0E-11	1.0E-11
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)	6.8	6.8	6.8	6.8	6.8	6.8	6.8
Wind Direction (degreees)	270	270	270	270	270	270	270
Pasquill Stability Catagory	D	D	D	D	D	D	D

SCENARIO NO. 1,93

RADIOLOGICAL/METEROLOGICAL LOG

PARAMETER TIME	09:15	09:30	09:40	09:45	10:00	10:15	10:30
R-5987 MCC 98' mR/hr	1	1	1	1	1	2	3
R-1 CCR mR/hr	0.1	0.1	0.1	1	1	1	1
R-2 VC 80' mR/hr	1	1	5	7	10	13	13
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	0.5	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	12	15	18	22	25
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-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09
R-42 VC Gas uCi/cc	1.0E-03	1.0E-03	1.0E-03	1.0E-03	1.0E-03	1.0E-03	1.0E-03
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-44 Vent I131 uCi/cc	1.0E-11	1.0E-11	1.0E-11	1.0E-11	1.0E-11	1.0E-11	1.0E-11
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)	6.8	6.8	6.8	6.8	6.8	6.8	6.8
Wind Direction (degreees)	270	270	270	270	270	270	270
Pasquill Stability Catagory	D	D	D	D	D	D	D

RADIOLOGICAL/METEOROLOGICAL LOG

PARAMETER TIME	10:45	10:55	11:00	11:15	11:30	11:45	12:00
R-5987 MCC 98' mR/hr	1	1	1	1	1	1	1
R-1 CCR mR/hr	1	1	1	1	1	1	1
R-2 VC 80' mR/hr	17	21	25	25	27	27	30
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	28	32	36	38	40	42	45
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-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09	4.0E-09
R-42 VC Gas uCi/cc	1.0E-03	1.0E-03	1.0E-03	1.0E-03	1.0E-03	1.0E-03	1.0E-03
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-44 Vent I131 uCi/cc	1.0E-11	1.0E-11	1.0E-11	1.0E-11	1.0E-11	1.0E-11	1.0E-11
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)	6.8	6.8	6.8	6.8	6.8	6.8	6.8
Wind Direction (degreees)	270	270	270	270	270	270	270
Pasquill Stability Catagory	D	D	D	D	D	D	D

SCENARIO NO. 1>>3

RADIOLOGICAL/METEROLOGICAL LOG

PARAMETER TIME	12:15	12:25	12:30	12:45	13:00	13:15	13:30
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	35	10000	OFFSCALE	OFFSCALE	OFFSCALE	OFFSCALE	OFFSCALE
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	3	2	2	2	2	2
R-7 VC Seal Table mR/hr	48	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	1.0E-05	OFFSCALE	OFFSCALE	OFFSCALE	OFFSCALE	OFFSCALE	OFFSCALE
R-42 VC Gas uCi/cc	1.0E-05	OFFSCALE	OFFSCALE	FFSCALE	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	1.0E-08	1.0E-08
R-44 Vent I131 uCi/cc	1.0E-11	1.0E-11	1.0E-11	1.0E-11	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	$1.5X10^{1}$	$6.0X10^{1}$	$2.6X10^{2}$	$4.0X10^{3}$	$4.5X10^{3}$	$4.5X10^{3}$
R-26 VC Hi-Rge R/hr	<1	$1.9X10^{1}$	$7.3X10^{1}$	$2.9X10^{2}$	$4.2X10^{3}$	$5.2X10^{3}$	$5.2X10^{3}$
R-27 Vent Monitor uCi/cc	<1	$1.8X10^{-2}$	$7.1X10^{-2}$	$3X10^{-1}$	4.7	5.7	6.2
R-27 Vent Flow Rate CFM	4.5E+04	$4.5X10^{4}$	$4.5X10^{4}$	$4.X10^{4}$	4.5E+04	4.5E+04	4.5E+04
R-27 Vent Dis Rate uCi/sec	0	$3.8X10^{5}$	$1.5X10^{6}$	$6.5X10^{6}$	$1.0X10^{8}$	$1.3X10^{8}$	$1.3X10^{8}$
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)	6.8	6.8	6.8	6.8	6.8	6.8	6.8
Wind Direction (degreees)	270	270	270	270	270	270	270
Pasquill Stability Catagory	D	D	D	D	D	D	D

RADIOLOGICAL/METEROLOGICAL LOG

PARAMETER TIME	13:45	13:55	14:00**
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	10000
R-4 Chrg. Pump mR/hr	1	1	1
R-5 F.S.B. mR/hr	0.2	0.2	0.2
R-6 Sample Rm. mR/hr	2	2	2
R-7 VC Seal Table mR/hr	OFFSCALE	OFFSCALE	10000
R-8 Drum Sta. mR/hr	0.5	0.5	0.5
R-41 VC Part uCi/cc	4.0E-09	4.0E-09	4.0E-09
R-42 VC Gas uCi/cc	1.0E-03	1.0E-03	1.0E-03
R-43 Vent Part uCi/CC	4.0E-12	4.0E-12	4.0E+12
R-44 Vent Gas uCi/cc	1.0E-08	1.0E-08	1.0E-08
R-44 Vent I131 uCi/cc	1.0E-11	1.0E-11	1.0E-11
R-45 Air Ejector uCi/cc	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
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	$4.5X10^3$	$4.5X10^3$	$4.5X10^2$
R-26 VC Hi-Rge R/hr	$5.2X10^3$	$5.2X10^3$	$5.2X10^2$
R-27 Vent Monitor uCi/cc	6.2	0	0
R-27 Vent Flow Rate CFM	4.5E+04	$4.5X10^4$	$4.5X10^{-4}$
R-27 Vent Dis Rate uCi/sec	$1.3X10^8$	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)	6.8	6.8	6.8
Wind Direction (degreees)	270	270	270
Pasquill Stability Catagory	D	D	D

**Two days later

CONSOLIDATED EDISON COMPANY OF NEW YORK

INDIAN POINT UNIT NO. 2

DRILL SCENARIO NO. 1993

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
TAB J TABLE 10:	Post Accident Offsite Contamination Levels
TAB K TABLE 11:	Medical Emergency Data

Reactor Coolant

	08:00	09:30	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00
Nuculide	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc
I-131	2.0E-03	1.2E-02	2.1E-02	3.0E-01	1.0E+00	3.9E+00	1.0E+01	2.5E+02	3.2E+02	3.2E+02
I-132	3.2E-02	8.5E-02	9.0E-02	2.0E-01	8.0E-01	2.4E+00	7.2E+00	1.4E+02	1.6E+02	1.6E+02
I-133	1.9E-02	6.2E-02	8.0E-02	8.0E-01	2.0E+00	7.0E+00	1.4E+01	3.0E+02	3.5E+02	3.5E+02
I-134	6.7E-02	1.5E-01	3.5E-02	1.0E-02	3.0E-01	< LLD	< LLD	< LLD	< LLD	< LLD
I-135	3.4E-04	1.1E-01	1.2E-01	4.0E-01	9.0E-01	3.5E+00	9.1E+00	1.6E+02	1.6E+02	1.6E+02
Xe-133	8.3E-03	5.8E-02	1.2E-01	5.0E-01	1.7E+00	7.2E+00	3.2E+01	2.8E+03	2.7E+03	2.7E+03
Xe-133m	< LLD	< LLD	< LLD	< LLD	3.0E-01	9.4E-01	4.0E+00	1.9E+02	1.8E+02	1.8E+02
Xe-135	2.5E-02	6.7E-02	9.6E-02	2.5E-01	6.0E-01	1.8E+00	1.9E+01	4.9E+02	5.0E+02	5.0E+02
Xe-135m	5.2E-03	2.2E-02	5.0E-02	7.0E-02	1.0E-01	6.0E-01	4.9E+00	1.8E+02	1.7E+02	1.7E+02
Xe-138	2.7E-02	3.1E-02	2.4E-02	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Kr-85	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Kr-85m	2.0E-03	8.0E-03	1.1E-02	3.7E-02	2.0E-01	1.1E+00	3.1E+00	< LLD	< LLD	< LLD
Kr-87	3.2E-03	1.0E-02	8.0E-03	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Kr-88	3.3E-03	1.2E-02	9.3E-03	2.0E-02	1.2E-01	8.0E-01	5.1E+00	< LLD	< LLD	< LLD
Rb-88	1.0E-02	7.0E-02	5.2E-02	1.5E-02	1.0E-01	7.5E-01	4.6E+00	< LLD	< LLD	< LLD
Rb-89	8.0E-03	5.0E-02	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Te-132	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	9.0E-01	1.5E+01	7.5E+01	7.5E+01
Cs-134	< LLD	2.1E-03	5.0E-03	1.4E-02	5.1E-02	2.1E-01	4.5E+00	4.5E+02	1.2E+03	1.2E+03
Cs-137	< LLD	2.2E-03	6.0E-03	1.6E-02	5.6E-02	2.4E-01	4.7E+00	5.1E+02	1.5E+03	1.5E+03
Ce-144	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.2E+00	1.0E+02	5.3E+02	5.3E+02
La-140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.2E+01	8.7E+01	8.7E+01
Ba-140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.0E+00	7.5E+01	5.0E+02	5.0E+02
La-142	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	1.0E+01	7.2E+01	7.2E+01
Ba-142	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	7.0E-01	6.2E+01	4.7E+02	4.7E+02
Total	2.1E-01	7.5E-01	7.3E-01	2.6E+00	8.2E+00	3.0E+01	1.3E+02	5.7E+03	8.9E+03	8.9E+03
EBAR	1.7	1.4	1.4	1.32	1.3	1.23	1.21	1.21	1.21	1.21
% Tech Spec	0.60	1.75	1.70	5.79	17.83	62.30	254.10	11583.73	18004.80	18004.80

V C COOLING

	08:00	09:30	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00
Nuculide	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc
I-131	2.0E-09	2.1E-09	5.0E-07	1.0E-08	8.0E-08	1.1E-07	5.0E-06	1.0E-03	1.8E-03	2.0E-03
I-132	< LLD	< LLD	< LLD				4.0E-07	2.0E-04	2.1E-04	1.9E-04
I-133	1.0E-09	1.3E-09	4.5E-07	1.5E-08	1.0E-07	2.0E-07	8.0E-06	2.1E-03	2.2E-03	2.5E-03
I-134	< LLD	< LLD	< LLD							
I-135	< LLD	< LLD	< LLD				3.0E-07	2.0E-06	1.5E-06	9.0E-07
TOTAL	3.0E-09	3.4E-09	9.5E-07	2.5E-08	1.8E-07	3.1E-07	1.4E-05	3.3E-03	4.2E-03	4.7E-03
Xe-133	6.0E-04	6.0E-04	1.4E-02	2.3E-02	8.8E-02	9.4E-02	5.2E+00	2.8E+01	3.2E+01	3.2E+01
Xe-133m	< LLD	< LLD	< LLD	< LLD	< LLD	9.4E-04	9.0E-02	1.9E+00	2.8E+00	2.8E+00
Xe-135	3.0E-04	3.0E-04	2.2E-04	8.0E-04	9.8E-03	1.5E-02	3.0E+00	2.5E+01	2.8E+01	2.8E+01
Xe-135m	1.0E-04	1.0E-04	1.8E-04	6.5E-04	6.5E-03	9.6E-03	2.0E+00	1.9E+01	2.6E+01	2.6E+01
Xe-138	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Kr-85	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Kr-85m	< LLD	< LLD	2.3E-05	4.3E-05	1.2E-03	9.2E-03	7.5E-01	1.1E+01	1.3E+01	1.3E+01
Kr-87	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Kr-88	< LLD	< LLD	9.3E-05	2.3E-04	7.3E-03	1.0E-02	9.0E-01	9.0E+00	1.1E+01	1.1E+01
TOTAL	1.0E-03	1.0E-03	1.5E-02	2.5E-02	1.1E-01	1.4E-01	1.2E+01	9.3E+01	1.1E+02	1.1E+02
Rb-88	1.0E-10	1.0E-10	6.8E-08	2.0E-07	3.8E-07	4.0E-07	8.2E-06	< LLD	< LLD	< LLD
Rb-89	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD
Te-132	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	2.0E+00	2.2E+00	2.2E+00
Cs-134	4.4E-10	4.4E-10	6.0E-10	1.3E-09	1.5E-09	2.1E-09	4.2E-07	4.5E+01	5.1E+01	5.1E+01
Cs-137	5.6E-10	5.6E-10	7.0E-10	1.5E-09	1.7E-09	2.4E-09	4.8E-07	4.7E+01	5.4E+01	5.4E+01
Ce-144	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	5.0E+00	5.3E+00	5.3E+00
La-140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	8.0E+00	9.2E+00	9.2E+00
Ba-140	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	5.6E+00	6.1E+00	6.1E+00
La-142	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	7.0E+00	8.0E+00	8.0E+00
Ba-142	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	4.8E+00	5.2E+00	5.2E+00
Total	1.1E-09	1.1E-09	6.9E-08	2.0E-07	3.8E-07	4.0E-07	9.1E-06	1.2E+02	1.4E+02	1.4E+02

PLANT VENT

	08:00	09:30	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00
Nuculide	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc	uCi/cc
I-131	< LLD	< LLD	< LLD	3.0E-11	3.1E-10	2.2E-09	7.0E-08	1.0E-05	2.0E-05	LLD
I-132	< LLD	< LLD	< LLD				3.5E-09	2.0E-06	2.0E-06	LLD
I-133	< LLD	< LLD	< LLD	3.8E-11	3.7E-10	2.5E-09	1.6E-08	2.0E-05	2.0E-05	LLD
I-134	< LLD	< LLD	< LLD							LLD
I-135	< LLD	< LLD	< LLD				1.5E-09	2.0E-08	2.0E-08	LLD
TOTAL	0	0	0	6.8E-11	6.8E-10	4.7E-09	9.1E-08	3.2E-05	4.2E-05	0.0E+00
Xe-133	< LLD	< LLD	< LLD	8.2E-04	1.1E-03	1.3E-03	2.5E-01	1.8E+00	3.0E+00	LLD
Xe-133m	< LLD	< LLD	< LLD	< LLD	< LLD	1.0E-06	4.0E-04	5.0E-01	6.0E-01	LLD
Xe-135	< LLD	< LLD	< LLD	1.5E-06	3.0E-06	4.0E-06	2.3E-01	2.1E+00	3.2E+00	LLD
Xe-135m	< LLD	< LLD	< LLD	1.2E-06	2.0E-06	3.3E-06	2.0E-01	1.9E+00	2.4E+00	LLD
Xe-138	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	LLD
Kr-85	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	LLD
Kr-85m	< LLD	< LLD	< LLD	9.0E-07	1.2E-05	1.3E-05	8.9E-02	5.8E-01	9.0E-01	LLD
Kr-87	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	< LLD	LLD
Kr-88	< LLD	< LLD	< LLD	1.0E-06	1.3E-05	1.0E-05	9.0E-02	7.0E-01	1.0E+00	LLD
TOTAL	0.0E+00	0.0E+00	0.0E+00	8.2E-04	1.1E-03	1.3E-03	8.6E-01	7.6E+00	1.1E+01	0.0E+00

PLANT/SAMPLE RADIATION LEVELS

TABLE OF CONTENTS

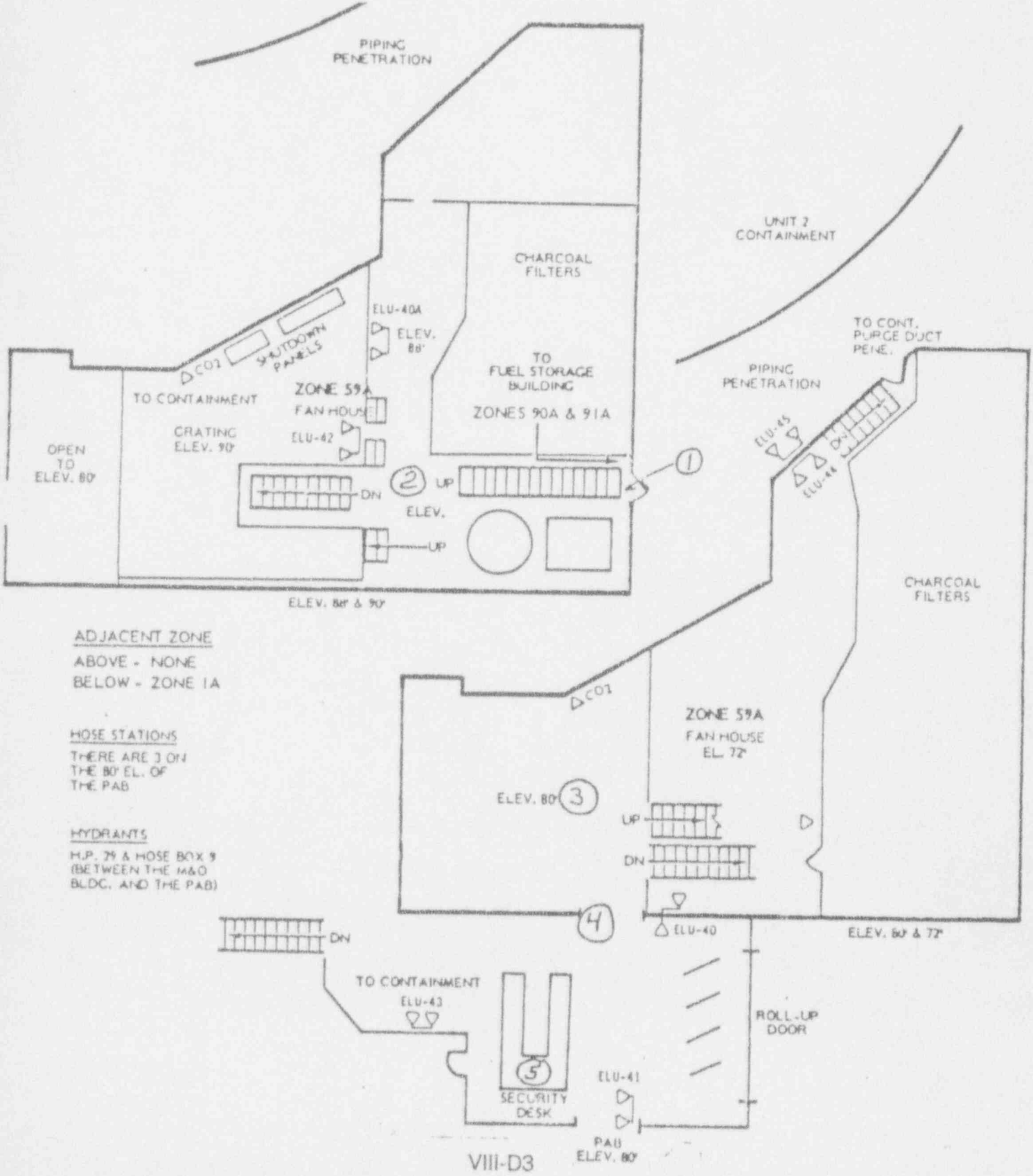
LOCATION		TIME	RADIATION LEVELS	
FAN BLDG. -	Point 1	< 12:29	AS READ	mR/hr
		12:29 to 12:59	0	mR/hr
		13:00 to 13:55	900	mR/hr
		> 14:00	50	mR/hr
	Point 2	< 12:29	AS READ	mR/hr
		12:29 to 12:59	100	mR/hr
		13:00 to 13:55	1200	mR/hr
		> 14:00	50	mR/hr
	Point 3	< 12:29	AS READ	mR/hr
		12:29 to 12:59	70	mR/hr
		13:00 to 13:55	825	mR/hr
		> 14:00	15	mR/hr
	Point 4	< 12:29	AS READ	mR/hr
		12:29 to 12:59	40	mR/hr
		13:00 to 13:55	200	mR/hr
		> 14:00	10	mR/hr
	Point 5	< 12:29	AS READ	mR/hr
		12:29 to 12:59	40	mR/hr
		13:00 to 13:55	200	mR/hr
		> 14:00	5	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 Radiation Protection Technician at the locations after the survey is performed.

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



ADJACENT ZONE

ABOVE - NONE
BELOW - ZONE 1A

HOSE STATIONS

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

HYDRANTS

H.P. 79 & HOSE BOX 9 (BETWEEN THE M&O BLDG. AND THE PAB)

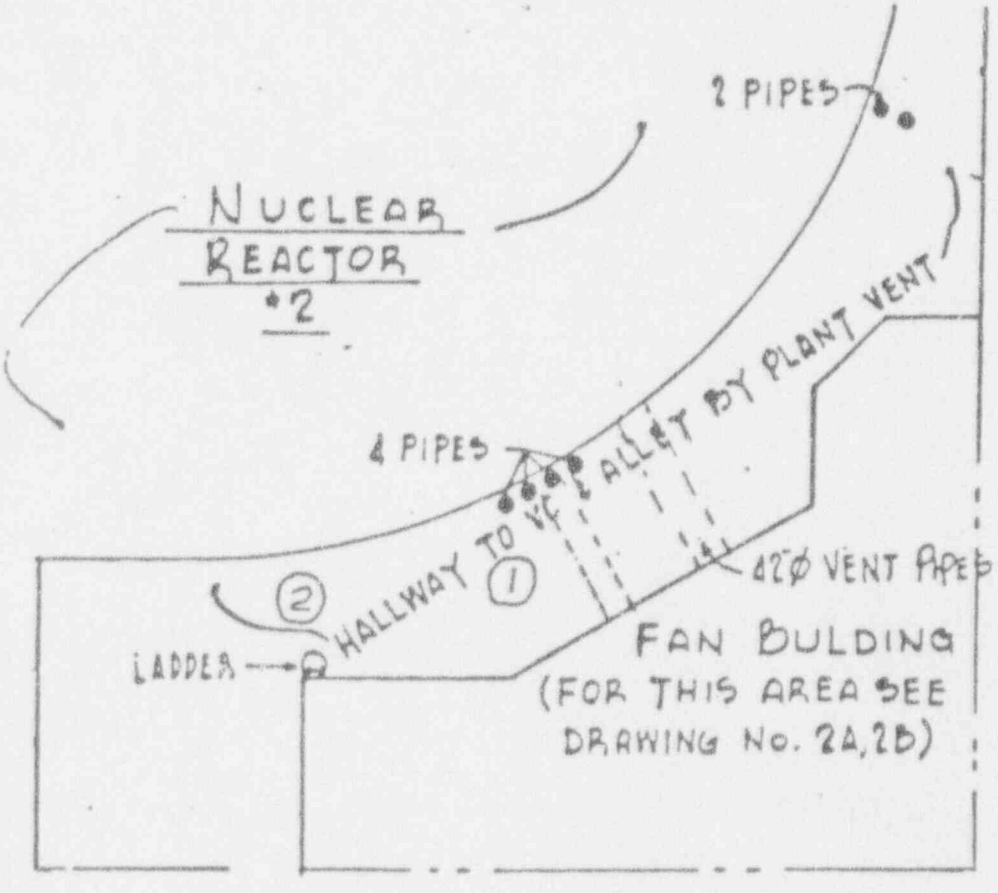
LOCATION		TIME	RADIATION LEVELS	
PLANT VENT - ALLEY	Point 1	< 12:29	AS READ	mR/hr
		12:30 to 12:59	150	mR/hr
		13:00 to 13:55	15000	mR/hr
BUILDING		> 14:00	400	mR/hr
	Point 2	< 12:29	AS READ	mR/hr
		12:30 to 12:59	40	mR/hr
		13:00 to 13:55	1300	mR/hr
		> 14:00	50	mR/hr

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 Radiation Protection Technician at the locations after the survey is performed.

ALLEY BY PLANT VENT



ALLEY BY PLANT VENT

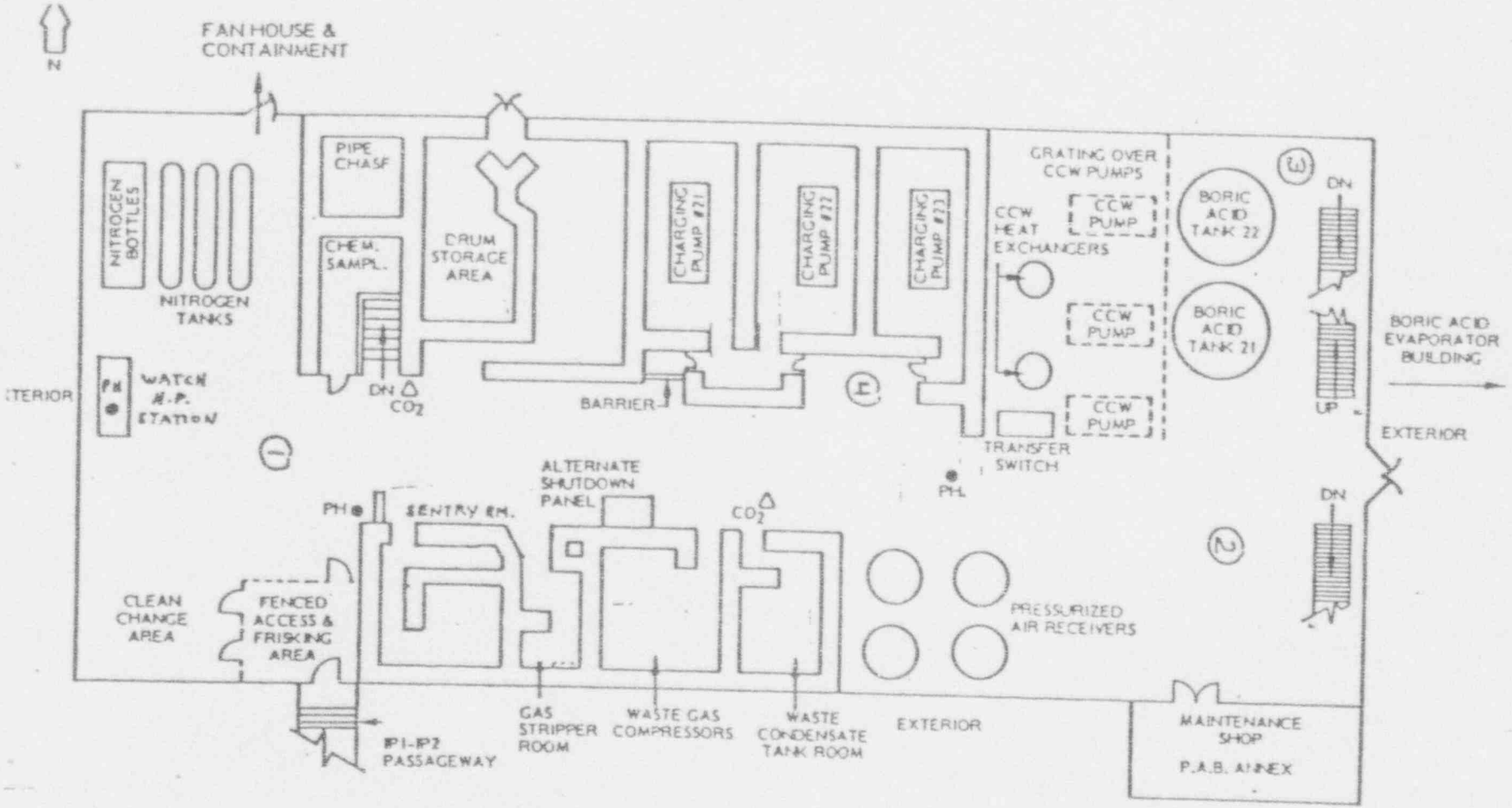
LOCATION		TIME	RADIATION LEVELS	
80' PAB -	Point 1	< 12:29	AS READ	mR/hr
		12:30 to 12:59	15	mR/hr
		13:00 to 13:55	30	mR/hr
		> 14:00	2	mR/hr
	Point 2	< 12:29	AS READ	mR/hr
		12:30 to 12:59	8	mR/hr
		13:00 to 13:55	15	mR/hr
		> 14:00	2	mR/hr
	Point 3	< 12:29	AS READ	mR/hr
		12:30 to 12:59	8	mR/hr
		13:00 to 13:55	10	mR/hr
		> 14:00	2	mR/hr
	Point 4	< 12:29	AS READ	mR/hr
		12:30 to 12:59	6	mR/hr
		12:30 to 13:55	15	mR/hr
		> 14:00	2	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 Radiation Protection Technician at the locations after the survey is performed.

PRIMARY AUXILIARY BUILDING
ELEVATION 80'



PRIMARY AUXILIARY BUILDING
ELEVATION 80'

LOCATION		TIME	RADIATION LEVELS	
98' PAB	Point 1	< 12:29	AS READ	mR/hr
		12:30 to 12:59	8	mR/hr
		13:00 to 13:55	45	mR/hr
		> 14:00	8	mR/hr
	Point 2	< 12:29	AS READ	mR/hr
		12:30 to 12:59	8	mR/hr
		13:00 to 13:55	45	mR/hr
		> 14:00	8	mR/hr
	Point 3	< 12:29	AS READ	mR/hr
		12:30 to 12:59	7	mR/hr
		13:00 to 13:55	40	mR/hr
		> 14:00	7	mR/hr
	Point 4	< 12:30	AS READ	mR/hr
		12:30 to 12:59	8	mR/hr
		13:00 to 13:55	55	mR/hr
		> 14:00	7	mR/hr
	Point 5	< 12:29	AS READ	mR/hr
		12:30 to 12:59	6	mR/hr
		13:00 to 13:55	35	mR/hr
		> 14:00	4	mR/hr
	Point 6	< 12:30	AS READ	mR/hr
		12:30 to 12:59	6	mR/hr
		13:00 to 13:55	35	mR/hr
		> 14:00	2	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 Radiation Protection Technician at the locations after the survey is performed.

PRIMARY AUXILIARY BUILDING
ELEVATION 98'-0"

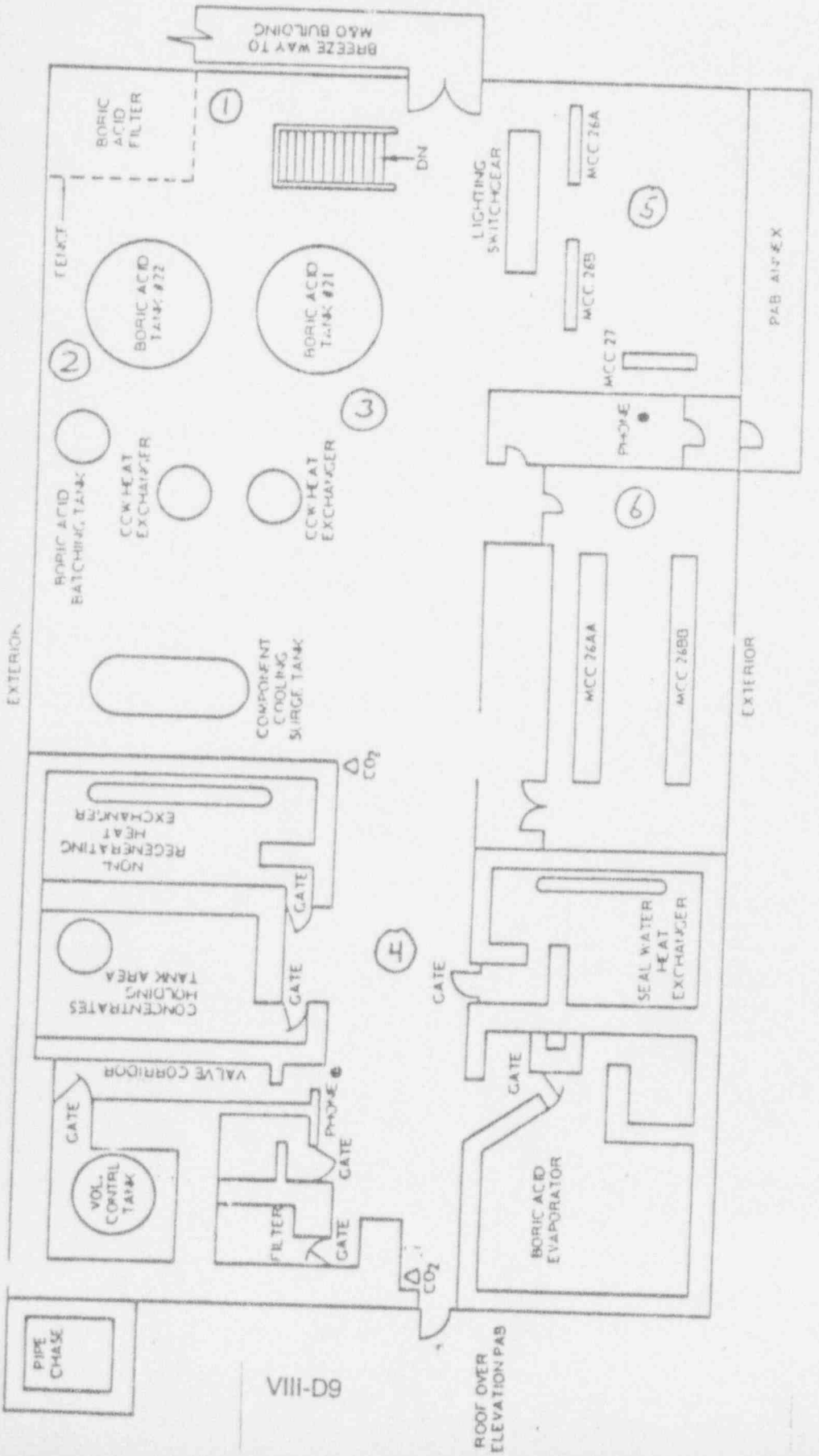


TABLE 4
PLANT RADIATION LEVELS

LOCATION	TIME	RADIATION LEVELS
SIS PUMPS - ROOM	ALL TIMES	0 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.

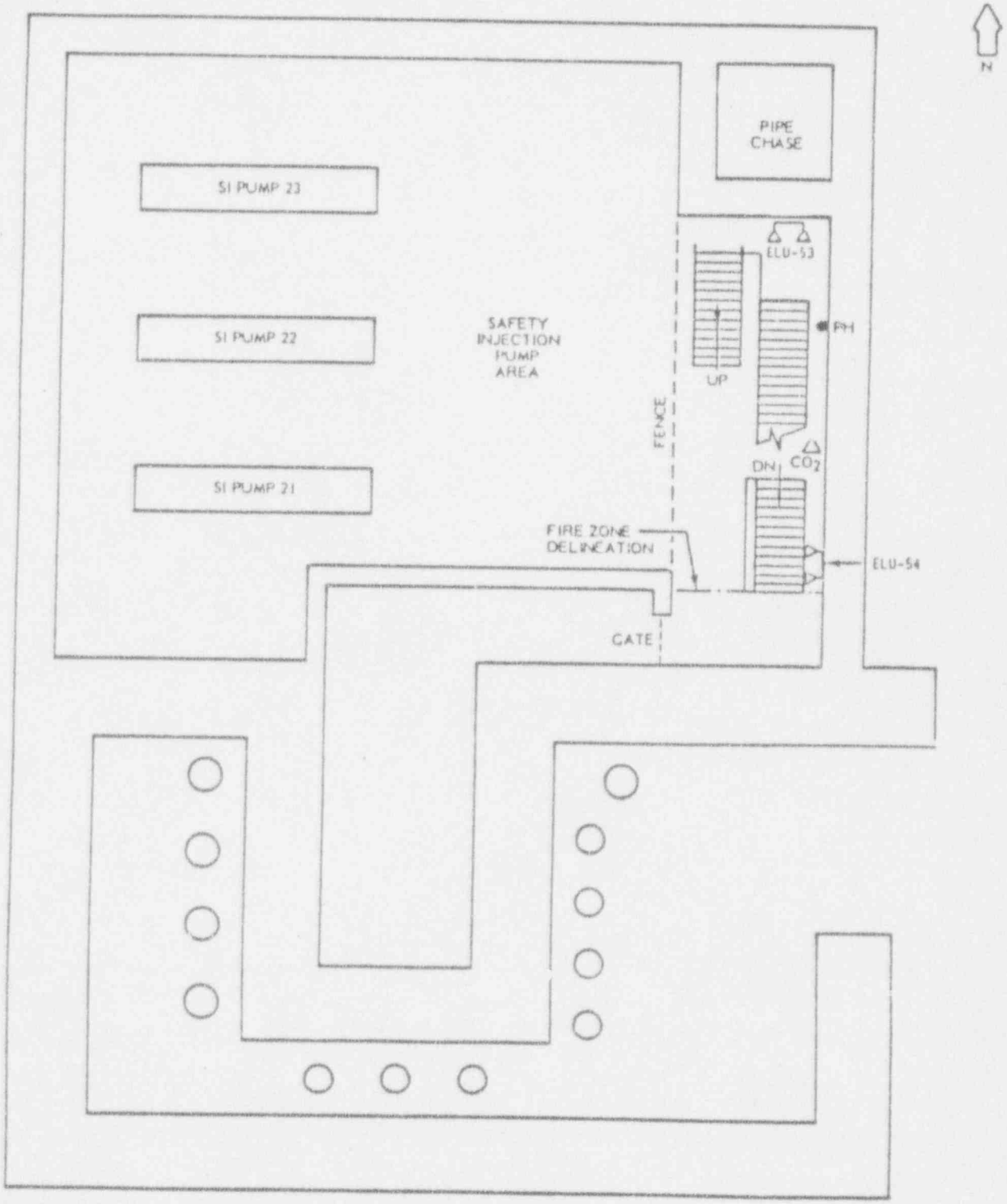
NOTE 3: Data to be supplied to Radiation Protection Technician at the locations after survey is performed.

RHR PUMPS

PHYSICAL LAYOUT

NOT REQUIRED FOR THIS SCENARIO

PRIMARY AUXILIARY BUILDING
ELEVATION 59'



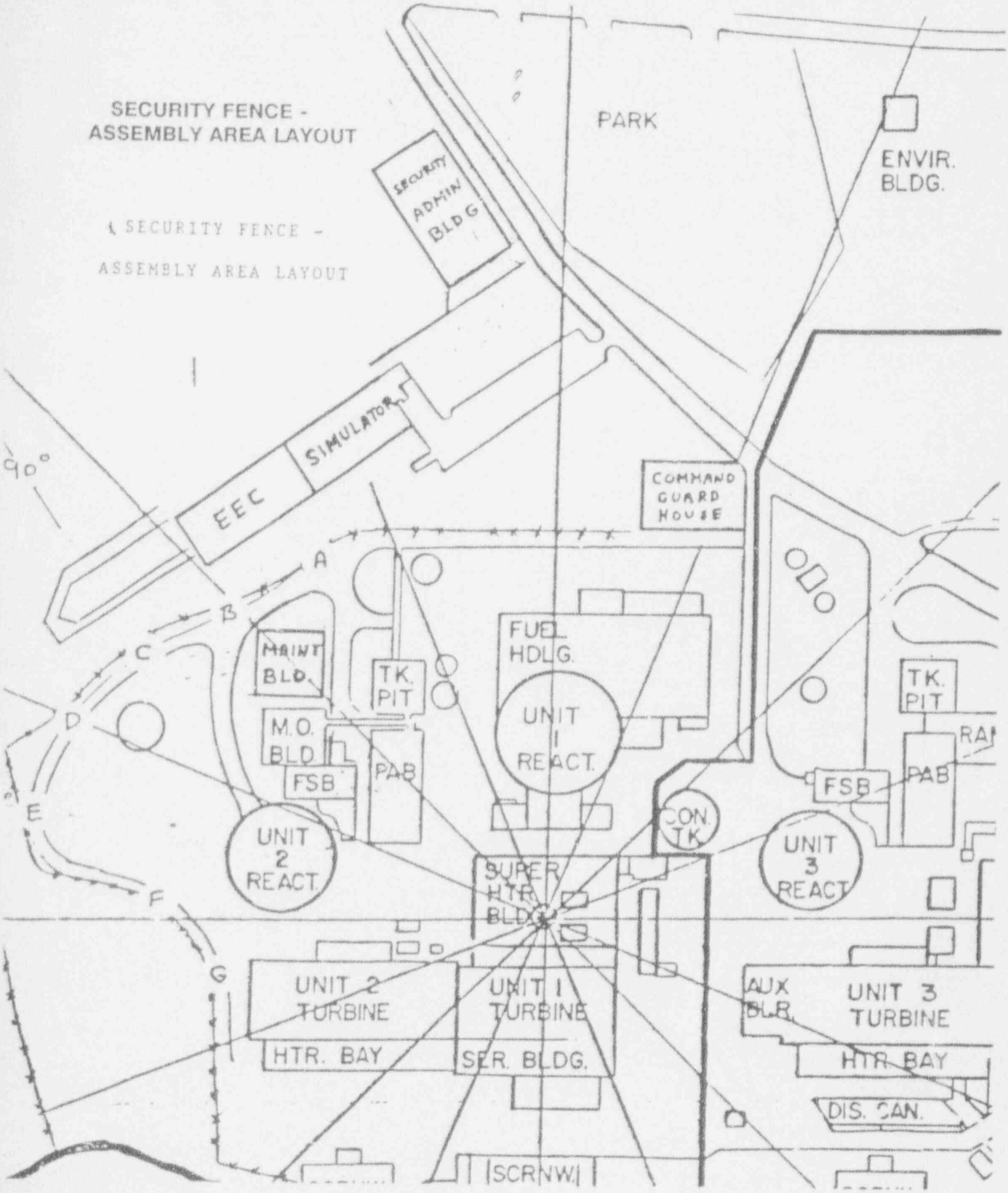
PRIMARY AUXILIARY BUILDING
ELEVATION 59'

TABLE 4

SECURITY FENCE FIELD DATA -MR/HR

TIME	LOCATION POINTS						
	A	B	C	D	E	F	G
< 12:25	0	0	0	0	0	0	0
12:25	0	1	4	1	0	0	0
12:30	0	3	18	3	0	0	0
12:45	0	20	78	30	0	0	0
13:00	4	600	1010	750	0	0	0
13:15	4	610	1315	800	0	0	0
13:30	4	610	1315	800	0	0	0
13:45	4	610	1315	800	0	0	0
14:00	0	0	0	0	0	0	0

SECURITY FENCE -
ASSEMBLY AREA LAYOUT



LOCATION	TIME	RADIATION LEVELS	
SIMULATOR/VISITOR CENTER	< 12:59	AS READ	mR/hr
	13:30 to 13:55	7	mR/hr
	> 14:00	AS READ	mR/hr
SECURITY/ADMIN BUILDING	ALL TIMES	AS READ	mR/hr
ASSEMBLY AREA A-B 15 FT TURBINE BLDG	ALL TIMES	AS READ	mR/hr
M.O. BUILDING CONST OFFICE COMPLEX	< 12:59	AS READ	mR/hr
	13:30 to 13:55	100	mR/hr
	< 14:00	2	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 Radiation Protection Technician at the locations after the survey is performed.

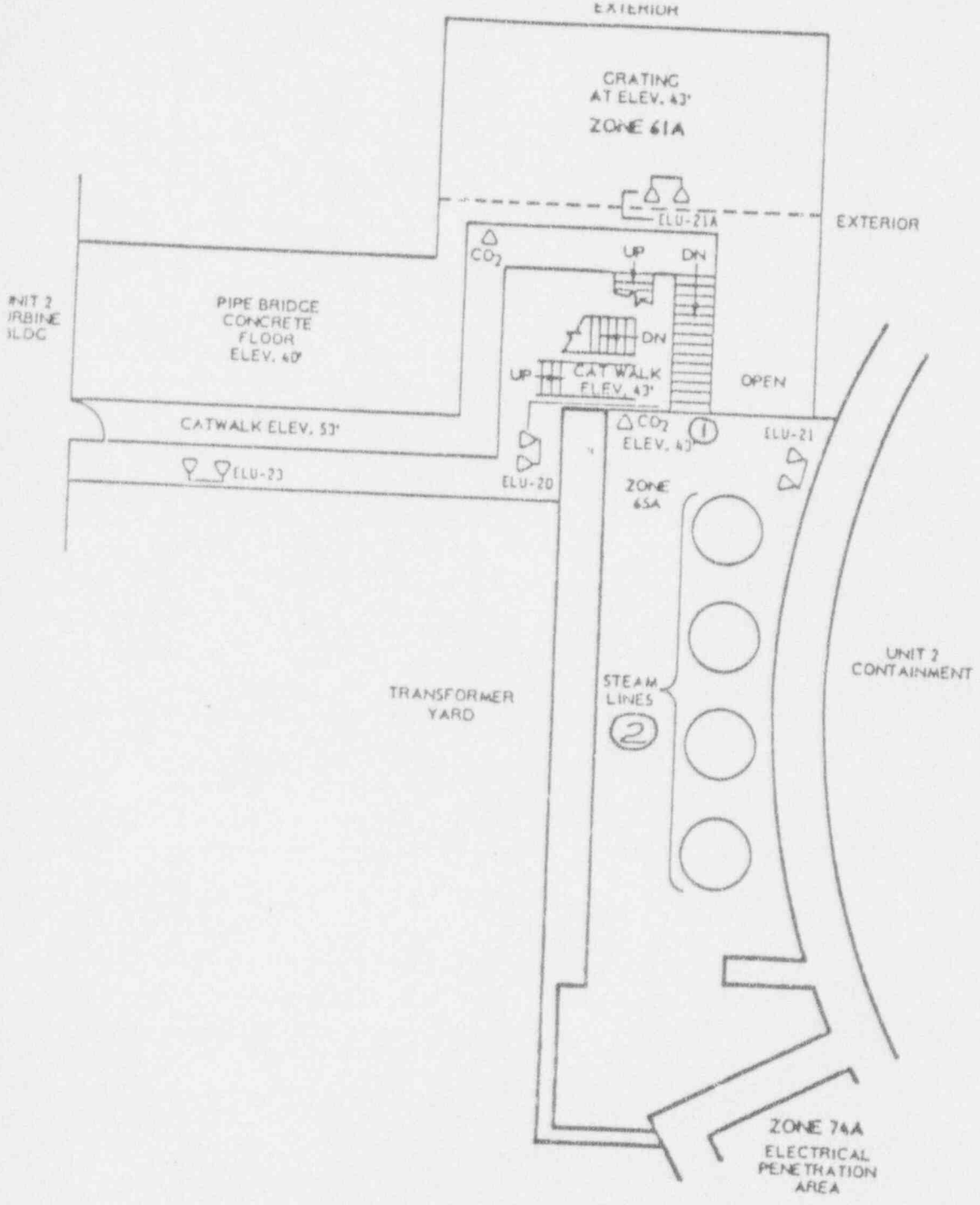
LOCATION		TIME	RADIATION LEVELS	
43' ABFP BLDG -	Point 1	< 12:29	AS READ	mR/hr
		12:30 to 12:59	2	mR/hr
		13:00 to 13:55	7	mR/hr
		< 14:00	3	mR/hr
PIPE PENET	Point 2	< 12:29	AS READ	mR/hr
		12:30 to 12:59	10	mR/hr
		13:00 to 13:55	100	mR/hr
		< 14:00	15	mR/hr
18' ABFP BLDG -	Point 1	< 12:29	AS READ	mR/hr
		12:30 to 12:59	1	mR/hr
		13:00 to 13:55	5	mR/hr
		< 14:00	1	mR/hr
	Point 2	< 12:29	AS READ	mR/hr
		12:30 to 12:59	1	mR/hr
		13:00 to 13:55	10	mR/hr
		< 14:00	2	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.

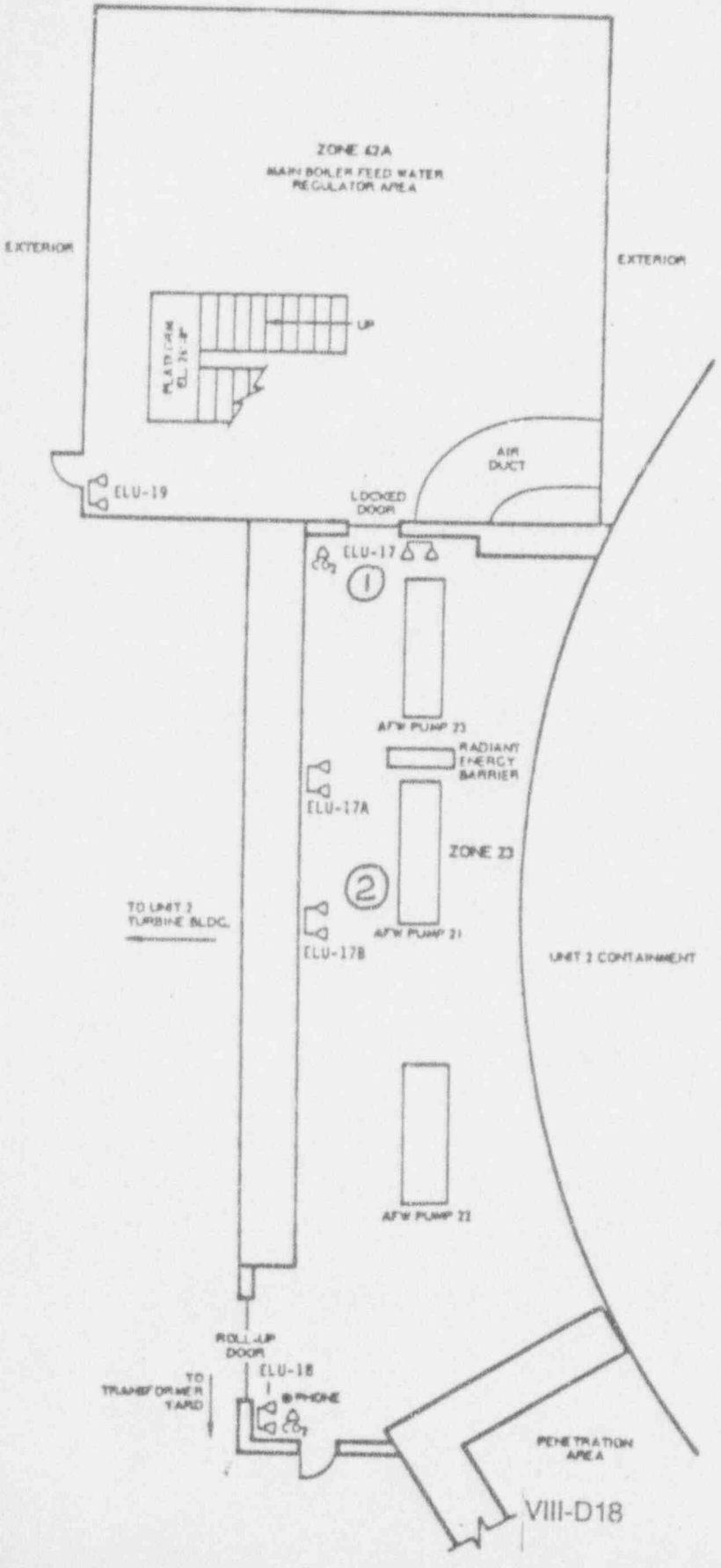
NOTE 3: Data to be supplied to Radiation Protection Technician at the locations after the survey is performed.

MAIN STEAM VALVE ARE
ELEVATIONS 43', 53'
ZONES 65A, 61A



MAIN STEAM VALVE AREA
ELEVATIONS 43', 53'
ZONES 65A, 61A

AUXILIARY BOILER FEEDWATER PUMP HOUSE
ELEVATION 18'



ADJACENT ZONES

ABOVE - ZONE 60A & 61A
BELOW - GRADE

HOSE STATIONS

UNIT 3 TURBINE BLDG. HAS 5 HOSE STATIONS ON EACH ELEV.

HYDRANTS

- H.P. 35 & HOSE BOX 7 (TRANSFORMER YARD)
- H.P. 34 & HOSE BOX 7 (NORTH END OF AB/FW BLDG.)

PIPE PENETRATION 51'

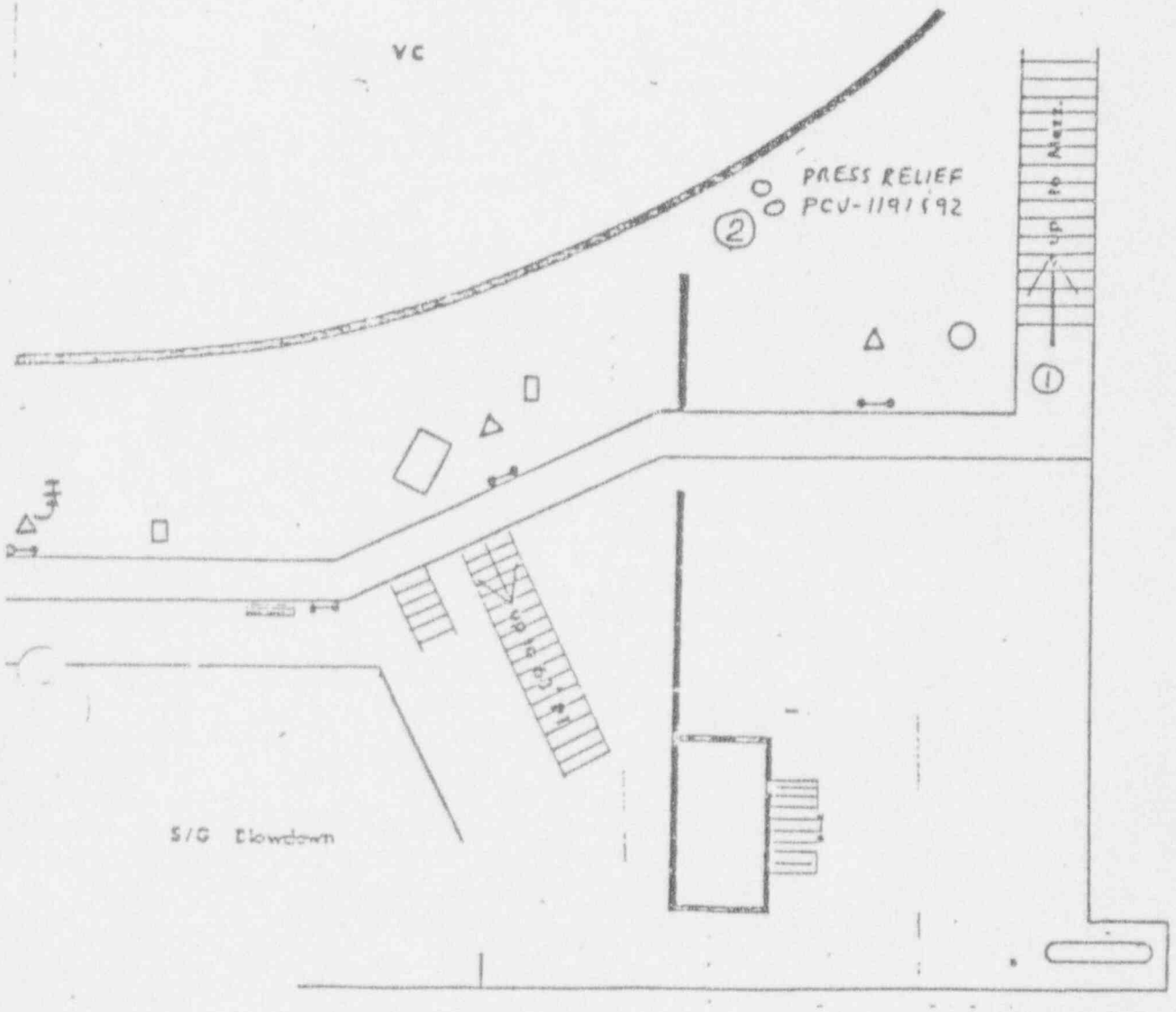


TABLE 5

FACILITY RADIATION LEVELS

		1 METER HEIGHT READING			10FT^3 AIR SAMPLE	
LOCATION	TIME	0W mR/hr	CW mR/hr	BKGD CPM	IODINE CPM	PART CPM
Emergency Operation Facility (EOF)	ALL Times	<1.0	<1.0	20	20	20
Operational Support Center (OSC)	All Times	<1.0	<1.0	20	20	20
Technical Support Center (TSC)	All Times	<1.0	<1.0	20	20	20
ontrol Room CR)	All Times	<1.0	<1.0	20	20	20
Recovery Center (RC)	All Times	<1.0	<1.0	20	20	20

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

TABLE 6

REUTER-STOKES READINGS
mR/HR

TIME	1	2	3	4	5	6	7	8
< 12:30				BKGD	BKGD	BKGD		
12:30				BKGD	4.7	2.0		
12:45				BKGD	19.1	8.4		
13:00				.01	285.0	78.0		
13:15				.03	348.0	97.0		
13:30				.03	348.0	97.0		
13:45				.03	348.0	<.1		
14:00				<.01	10.0	<.1		

TABLE 7

PLUME MONITORING DATA AND FIGURES

NOT REQUIRED FOR THIS SCENARIO

1993 SCENARIO

		CW	OW	THYROID	CHARCOAL
		MR/hr	MR/hr	mRem/hr	CPM
TIME	<1225				
WD	270°				
WS m/sec	6.8				
1/WS	0.15				
PASQUILL	D				
SB Xu/Q	$1.4X10^{-4}$	<1	<1	<1	BKGD
1 mi Xu/Q	$5.1X10^{-5}$	<1	<1	<1	BKGD
2 mi Xu/Q	$1.9X10^{-5}$	<1	<1	<1	BKGD
3 mi Xu/Q	$1.0X10^{-5}$	<1	<1	<1	BKGD
4 mi Xu/Q	$6.8X10^{-6}$	<1	<1	<1	BKGD
ni Xu/Q	$5.1X10^{-6}$	<1	<1	<1	BKGD
6 mi Xu/Q	$3.8X10^{-6}$	<1	<1	<1	BKGD
7 mi Xu/Q	$3.2X10^{-6}$	<1	<1	<1	BKGD
8 mi Xu/Q	$2.7X10^{-6}$	<1	<1	<1	BKGD
9 mi Xu/Q	$2.3X10^{-6}$	<1	<1	<1	BKGD
10 mi Xu/Q	$2.1X10^{-6}$	<1	<1	<1	BKGD
N.G. Ci/sec					
Ci/sec					
S/D HRS	3				
NB K1	$4.3X10^{5}$				
THY K2	$7X10^{8}$				

1993 SCENARIO

		CW	OW	THYROID	CHARCOAL
		MR/hr	MR/hr	mRem/hr	CPM
TIME	1225				
WD	270°				
WS m/sec	6.8				
1/WS	0.15				
PASQUILL	D				
SB Xu/Q	$1.4X10^{-4}$	3	4	<1	BKGD
1 mi Xu/Q	$5.0X10^{-5}$	<1	<1	<1	BKGD
2 mi Xu/Q	$1.9X10^{-5}$	<1	<1	<1	BKGD
3 mi Xu/Q	$1.0X10^{-5}$	<1	<1	<1	BKGD
4 mi Xu/Q	$6.8X10^{-6}$	<1	<1	<1	BKGD
.i Xu/Q	$5.1X10^{-6}$	<1	<1	<1	BKGD
6 mi Xu/Q	$3.8X10^{-6}$	<1	<1	<1	BKGD
7 mi Xu/Q	$3.2X10^{-6}$	<1	<1	<1	BKGD
8 mi Xu/Q	$2.7X10^{-6}$	<1	<1	<1	BKGD
9 mi Xu/Q	$2.3X10^{-6}$	<1	<1	<1	BKGD
10 mi Xu/Q	$2.1X10^{-6}$	<1	<1	<1	BKGD
N.G. Ci/sec	$3.8X10^{-1}$				
I Ci/sec	$3.8X10^{-5}$				
S/D HRS	3 1/4				
WB K1	$4.3X10^{5}$				
THY K2	$7.0X10^{8}$				

1993 SCENARIO

		CW	OW	THYROID	CHARCOAL
		MR/hr	MR/hr	mRem/hr	CPM
TIME	1230				
WD	270°				
WS m/sec	6.8				
1/WS	0.15				
PASQUILL	D				
SB Xu/Q	$1.4X10^{-4}$	14	18	2	6
1 mi Xu/Q	$5.0X10^{-5}$	5	7	<1	BKGD
2 mi Xu/Q	$1.9X10^{-5}$	2	3	<1	BKGD
3 mi Xu/Q	$1.0X10^{-5}$	<1	<1	<1	BKGD
4 mi Xu/Q	$6.8X10^{-6}$	<1	<1	<1	BKGD
5 mi Xu/Q	$5.1X10^{-6}$	<1	<1	<1	BKGD
6 mi Xu/Q	$3.8X10^{-6}$	<1	<1	<1	BKGD
7 mi Xu/Q	$3.2X10^{-6}$	<1	<1	<1	BKGD
8 mi Xu/Q	$2.7X10^{-6}$	<1	<1	<1	BKGD
9 mi Xu/Q	$2.3X10^{-6}$	<1	<1	<1	BKGD
10 mi Xu/Q	$2.1X10^{-6}$	<1	<1	<1	BKGD
N.G. Ci/sec	1.5				
I Ci/sec	$1.5X10^{-4}$				
S/D HRS	3 1/4				
WB K1	$4.3X10^{5}$				
THY K2	$7.0X10^{8}$				

1993 SCENARIO

		CW	OW	THYROID	CHARCOAL
		MR/hr	MR/hr	mRem/hr	CPM
TIME	1245				
WD	270°				
WS m/sec	6.8				
1/WS	0.15				
PASQUILL	D				
SB Xu/Q	$1.4X10^{-4}$	60	78	10	30
1 mi Xu/Q	$5.0X10^{-5}$	21	27	3	9
2 mi Xu/Q	$1.9X10^{-5}$	8	10	1	3
3 mi Xu/Q	$1.0X10^{-5}$	4	6	<1	BKGD
4 mi Xu/Q	$6.8X10^{-6}$	3	5	<1	BKGD
mi Xu/Q	$5.1X10^{-6}$	2	3	<1	BKGD
6 mi Xu/Q	$3.8X10^{-6}$	1	2	<1	BKGD
7 mi Xu/Q	$3.2X10^{-6}$	1	2	<1	BKGD
8 mi Xu/Q	$2.7X10^{-6}$	<1	<1	<1	BKGD
9 mi Xu/Q	$2.3X10^{-6}$	<1	<1	<1	BKGD
10 mi Xu/Q	$2.1X10^{-6}$	<1	<1	<1	BKGD
N.G. Ci/sec	6.5				
Ci/sec	$6.5X10^{-4}$				
S/D HRS	3 1/2				
NB K1	$4.3X10^{5}$				
THY K2	$7.0X10^{8}$				

1993 SCENARIO

		CW	OW	THYROID	CHARCOAL
		MR/hr	MR/hr	mRem/hr	CPM
TIME	1300				
WD	270°				
WS m/sec	6.8				
1/WS	0.15				
PASQUILL	D				
SB Xu/Q	$1.4X10^{-4}$	780	1010	154	490
1 mi Xu/Q	$5.0X10^{-5}$	280	365	55	175
2 mi Xu/Q	$1.9X10^{-5}$	106	140	21	70
3 mi Xu/Q	$1.0X10^{-5}$	55	70	11	35
4 mi Xu/Q	$6.8X10^{-6}$	38	50	7	23
.ni Xu/Q	$5.1X10^{-6}$	28	35	6	19
6 mi Xu/Q	$3.8X10^{-6}$	21	27	4	13
7 mi Xu/Q	$3.2X10^{-6}$	18	23	3	9
8 mi Xu/Q	$2.7X10^{-6}$	15	18	3	9
9 mi Xu/Q	$2.3X10^{-6}$	13	16	2	6
10 mi Xu/Q	$2.1X10^{-6}$	12	15	2	6
N.G. Ci/sec	$1X10^{2}$				
I Ci/sec	$1X10^{-2}$				
S/D HRS	3 3/4				
WB K1	$3.7X10^{5}$				
THY K2	$7X10^{8}$				

1993 SCENARIO

		CW	OW	THYROID	CHARCOAL
		MR/hr	MR/hr	mRem/hr	CPM
TIME	1315				
WD	270°				
WS m/sec	6.8				
1/WS	0.15				
PASQUILL	D				
SB Xu/Q	$1.4X10^{-4}$	1010	1315	196	580
1 mi Xu/Q	$5.0X10^{-5}$	360	470	70	220
2 mi Xu/Q	$1.9X10^{-5}$	135	175	27	82
3 mi Xu/Q	$1.0X10^{-5}$	70	90	14	47
ii Xu/Q	$6.8X10^{-6}$	50	65	10	30
5 mi Xu/Q	$5.1X10^{-6}$	35	45	7	23
6 mi Xu/Q	$3.8X10^{-6}$	25	32	5	14
7 mi Xu/Q	$3.2X10^{-6}$	20	26	5	14
8 mi Xu/Q	$2.7X10^{-6}$	19	24	4	13
9 mi Xu/Q	$2.3X10^{-6}$	17	20	3	9
10 mi Xu/Q	$2.1X10^{-6}$	15	13	3	9
N.G. Ci/sec	$1.3X10^{2}$				
Ci/sec	$1.3X10^{-2}$				
/D HRS	4				
VB K1	$3.7X10^{5}$				
HY K2	$7X10^{8}$				

1993 SCENARIO

		CW	OW	THYROID	CHARCOAL
		MR/hr	MR/hr	mRem/hr	CPM
TIME	1330				
WD	270°				
WS m/sec	6.8				
1/WS	0.15				
PASQUILL	D				
SB Xu/Q	$1.4X10^{-4}$	1010	1315	196	580
1 mi Xu/Q	$5.0X10^{-5}$	360	470	70	220
2 mi Xu/Q	$1.9X10^{-5}$	135	175	27	82
3 mi Xu/Q	$1.0X10^{-5}$	70	90	14	47
4 mi Xu/Q	$6.8X10^{-6}$	50	65	10	30
5 mi Xu/Q	$5.1X10^{-6}$	35	45	7	23
6 mi Xu/Q	$3.8X10^{-6}$	25	32	5	14
7 mi Xu/Q	$3.2X10^{-6}$	20	26	5	14
8 mi Xu/Q	$2.7X10^{-6}$	19	24	4	13
9 mi Xu/Q	$2.3X10^{-6}$	17	20	3	9
10 mi Xu/Q	$2.1X10^{-6}$	15	13	3	9
N.G. Ci/sec	$1.3X10^{2}$				
Ci/sec	$1.3X10^{-2}$				
/D HRS	4 1/4				
VB K1	$3.7X10^{5}$				
HY K2	$7X10^{8}$				

1993 SCENARIO

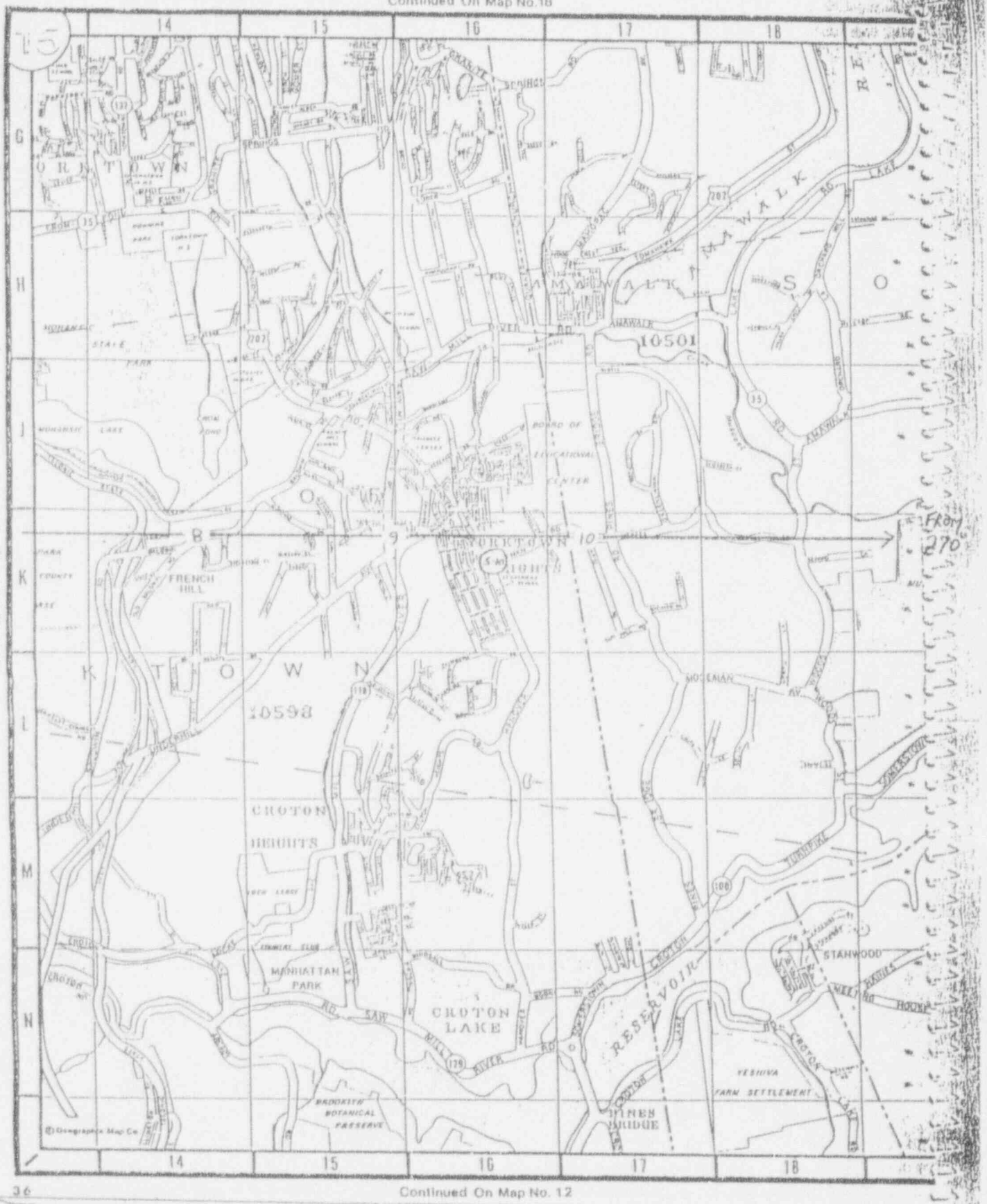
		CW	OW	THYROID	CHARCOAL
		MR/hr	MR/hr	mRem/hr	CPM
TIME	1345				
WD	270°				
WS m/sec	6.8				
1/WS	0.15				
PASQUILL	D				
SB Xu/Q	$1.4X10^{-4}$	1010	1315	196	580
1 mi Xu/Q	$5.0X10^{-5}$	360	470	70	220
2 mi Xu/Q	$1.9X10^{-5}$	135	175	27	82
3 mi Xu/Q	$1.0X10^{-5}$	70	90	14	47
4 mi Xu/Q	$6.8X10^{-6}$	50	65	10	30
.ni Xu/Q	$5.1X10^{-6}$	35	45	7	23
6 mi Xu/Q	$3.8X10^{-6}$	25	32	5	14
7 mi Xu/Q	$3.2X10^{-6}$	20	26	5	14
8 mi Xu/Q	$2.7X10^{-6}$	19	24	4	13
9 mi Xu/Q	$2.3X10^{-6}$	17	20	3	9
0 mi Xu/Q	$2.1X10^{-6}$	15	13	3	9
.G. Ci/sec	$1.3X10^{2}$				
Ci/sec	$1.3X10^{-2}$				
/D HRS	4 1/2				
/B K1	$3.7X10^{5}$				
HY K2	$7X10^{8}$				

1993 SCENARIO

		CW	OW	THYROID	CHARCOAL
		MR/hr	MR/hr	mRem/hr	CPM
TIME	1400				
WD	270°				
WS m/sec	6.8				
1/WS	0.15				
PASQUILL	D				
SB Xu/Q	$1.4X10^{-4}$	<1	<1	<1	BGRD
1 mi Xu/Q	$5.0X10^{-5}$	<1	<1	<1	BGRD
2 mi Xu/Q	$1.9X10^{-5}$	135	175	27	82
3 mi Xu/Q	$1.0X10^{-5}$	70	90	14	47
4 mi Xu/Q	$6.8X10^{-6}$	50	65	10	30
.ni Xu/Q	$5.1X10^{-6}$	35	45	7	23
6 mi Xu/Q	$3.8X10^{-6}$	25	32	5	14
7 mi Xu/Q	$3.2X10^{-6}$	20	26	5	14
8 mi Xu/Q	$2.7X10^{-6}$	19	24	4	13
9 mi Xu/Q	$2.3X10^{-6}$	17	20	3	9
0 mi Xu/Q	$2.1X10^{-6}$	15	13	3	9
).G. Ci/sec	0				
Ci/sec	0				
/D HRS	4 3/4				
VB K1	$3.1X10^{5}$				
HY K2	$7X10^{8}$				

1993 SCENARIO

		CW	OW	THYROID	CHARCOAL
		MR/hr	MR/hr	mRem/hr	CPM
TIME	1400 2 DAYS LATER				
WD	220°				
WS m/sec	5.2				
1/WS	0.19				
PASQUILL	C				
SB Xu/Q		<1	<1	<1	BGRD
1 mi Xu/Q		<1	<1	<1	BGRD
2 mi Xu/Q		<1	<1	<1	BGRD
3 mi Xu/Q		<1	<1	<1	BGRD
4 mi Xu/Q		<1	<1	<1	BGRD
5 mi Xu/Q		<1	<1	<1	BGRD
6 mi Xu/Q		<1	<1	<1	BGRD
7 mi Xu/Q		<1	<1	<1	BGRD
8 mi Xu/Q		<1	<1	<1	BGRD
9 mi Xu/Q		<1	<1	<1	BGRD
10 mi Xu/Q		<1	<1	<1	BGRD
N.G. Ci/sec	0				
I Ci/sec	0				
S/D HRS					
WB K1					
THY K2					



DASHED LINES ON EITHER SIDE OF THE PLUME SIGNIFY 1/10 OF THE CENTERLINE VALUE

1993 SENARIO

DASHED LINES ON EITHER SIDE OF THE PLUME SIGNIFY 1/10 OF THE CENTERLINE VALUE

1993 SENARIO

DASHED LINES ON EITHER SIDE OF THE PLUME SIGNIFY 1/10 OF THE CENTERLINE VALUE

1993 SENARIO

TABLE 8

OFFSITE TLD READINGS

SECTOR	MILE RING	MREM	SECTOR	MILE RING	MREM
1	1		9	1	
	5			5	
	10			10	
2	1		10	1	
	5			5	
	10			10	
3	1		11	1	
	5			10	
	10			10	
4	1		12	1	
	5			5	
	10			10	
5	1	1362.8	13	1	
	5	89.8		5	
	10	32.9			
6	1		14	1	
	5			5	
	10			10	
7	1		15	1	
	5			5	
	10			10	
8	1		16	1	
	5			5	
	10			10	

NOTE: Data to be supplied to Offsite Radiological Assessment Director.

TABLE 9

POST ACCIDENT SAMPLES

NOT REQUIRED FOR THIS SCENARIO

TABLE 10

POST ACCIDENT OFFSITE CONTAMINATION LEVELS

NOT REQUIRED FOR THIS SCENARIO

SCENARIO NO. 1993

TABLE 11

MEDICAL EMERGENCY DATA

NOT REQUIRED FOR THIS SCENARIO

CONSOLIDATED EDISON COMPANY OF NEW YORK

INDIAN POINT UNIT NO. 2

EXERCISE SCENARIO NO. 1993

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
- 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 September 23, 1993 at the Simulator Auditorium. All controllers and observers shall attend.