NRC

NEW YORK POWER AUTHORITY

INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1993 NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

JULY 21, 1993

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1993 NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

JULY 21, 1993

On May 20, 1993, the undersigned formally reviewed the scenario package for the July 21, 1993 NRC Observed Partial Participation Emergency Response Exercise at Indian Point 3.

Name	Title
Mary Ann Chaubard	Emergency Planning Engineer
Wayne Robinson	Simulator Support Supervisor
Robert Cullen	Nuclear Chemical Engineer
John Boccio	I&C Senior Planner
Charlene Faison	Supv., Rad. Prot. & Emerg. Preparedness
Ira Fine	Senior Information Specialist
Richard Ruzicka	Nuc. Training Specialist

Approved By:

David D. Bell
Emergency Planning Coordinator
May 20, 1993

SECTION 1

GROUND RULES AND SAFETY PRECAUTIONS

NEW YORK POWER AUTHORITY
INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1993 NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

JULY 21, 1993

NewYork Power Authority

Memorandum

July 19, 1993
IP-RES-93-309

MEMORANDUM TO: ALL SITE PERSONNEL

FROM: DAVE BELL
EMERGENCY PLANNING COORDINATOR

SUBJECT: **EXERCISE GROUND RULES AND SAFETY PRECAUTIONS**

In accordance with 10CFR50, Appendix E and the IP-3 Emergency Plan, an Emergency Response Exercise is being conducted on July 21, 1993.

All exercise participants are required to observe the following Exercise Ground Rules for the duration of the exercise. If you have any questions regarding these Ground Rules, contact an Exercise Controller for clarification.

1. Take no actions that affect plant or non-exercise related operations.

2. Take immediate action to restore safe operation if an unsafe condition exists. Ignore the exercise situation if actual safety becomes a concern.

3. Ensure all communications indicate **"THIS IS A DRILL"**. Make a positive statement that you are making an exercise related message both at the beginning and end of all messages or conversations. If communication lines are kept open for extended periods, periodically repeat the statement.

4. Make all required notifications. These include: notification to site personnel, NYPA Headquarters, New York State and the Counties, NRC Headquarters and IP-3 Resident Inspector, ANI, INPO, and Con Edison. Be sure to indicate that **"THIS IS A DRILL"**.

5. There will be one or more Observer/Controllers at each important location. These individuals will provide information that would normally be available at that location (e.g., reactor status in the Control Room, dose rate readings with field teams, etc.). Only selected parameters and readings will be provided. The selected information will be sufficient to make decisions in accordance with the IP-3 Emergency Plan. Use only the information provided. Do not improvise information.

6. In most cases, you are expected to perform all the tasks that would be required as a result of the simulated events, e.g. access information, utilize instrumentation, obtain any procedures, drawings, parts and tools needed to effect repair or "fixes". Controllers will provide clarification on actions which are to be simulated or are outside the scope of this exercise in order to keep the exercise progressing in accordance with the scenario.

7. Be sure the Observer/Controller is aware of your actions (e.g., do not dispatch a monitoring or repair team unless the Controller is aware of it; he may choose to send an Observer/Controller with that team).

8. Offsite monitoring team Controller/Observers will inform teams to **request** information from them as they need it. They shall demonstrate use of the equipment before the exercise data are provided to them.

9. Observer/Controllers will observe all aspects of the exercise in order to prepare an in-house evaluation of plans, procedures, training, and performance. NRC, Q.A., and other personnel will also be evaluating the performance of participants at each location.

10. **"Dressing out"** of some participants may be requested in accordance with the scenario and shall be consistent with actual radiological conditions.

11. Post accident samples will not be taken. However, teams may be chosen, briefed, and dispatched. Due to the condensed time frame of the scenario, the results of the sample analysis will be given to the team at the appropriate time.

12. Remaining strictly within the bounds of ALARA, no entries will be made into containment for exercise purposes. Teams will don protective clothing and follow procedures up to the airlock but will simulate entry into containment.

13. If evacuation of onsite personnel is warranted, only a small group from the affected areas will be evacuated.

If during any part of the exercise 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 and will assist you only to the extent necessary.

This exercise is conducted to evaluate our Emergency Plan. The Exercise is also a training vehicle for members of the IP-3 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 Observers/Controllers at the conclusion of the exercise.

Thank you for your participation and adherence to these rules.

SECTION 2

OBJECTIVES

NEW YORK POWER AUTHORITY
INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1993 NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

JULY 21, 1993

Indian Point 3
Nuclear Power Plant
P.O. Box 215
Buchanan, New York 10511
914 739.8200

New York Power Authority

April 21, 1993
IPN-93-024

Docket No. 50-286
License No. DPR-64

Mr. Thomas T. Martin
Regional Administrator - Region 1
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Dear Mr. Martin:

Enclosed are the objectives for the Indian Point 3 Partial Participation Emergency Preparedness Exercise scheduled to be conducted on July 21, 1993. These objectives are submitted in accordance with the timeframe set forth in NRC Inspection Manual Procedure 82302, Review of Exercise Objectives and Scenarios for Power Reactors (03/24/89), and FEMA-REP-14, Radiological Emergency Preparedness Exercise Manual (9/91).

This Exercise will be conducted in accordance with 10CFR50 requirements. The New York Power Authority intends to fully test the Site response to a simulated emergency condition at Indian Point 3. Active participation by New York State and the surrounding counties is not anticipated.

Interaction between the NRC staff and the New York Power Authority concerning scenario development for this Exercise is anticipated and welcomed at this time.

Should you or your staff have any questions, please feel free to contact David D. Bell, Site Emergency Planning Coordinator, at (914) 736-8403.

Respectfully,

John H. Garrity
Resident Manager
Indian Point 3 Nuclear Power Plant

JHG/DDB/lat

Enclosure

cc: Document Control Desk (original)
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Ebe McCabe, Chief
Emergency Preparedness Section
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Resident Inspector's Office - IP3
U.S. Nuclear Regulatory Commission
P.O. Box 337
Buchanan, NY 10511

IP3 Records Center

INDIAN POINT NO. 3 NUCLEAR POWER PLANT
1993 PARTIAL PARTICIPATION EXERCISE
JULY 21, 1993

PURPOSE/SCOPE/OBJECTIVES

A. PURPOSE:

The purpose of this Exercise is to demonstrate the ability of the IP3 Emergency Response Organization to respond to a simulated emergency at IP3. It is designed to demonstrate the capabilities of the Emergency Response Facilities and Emergency Response Plan and Procedures to support this response. It is also a vehicle through which Emergency Response Organization (ERO) personnel receive practical-based training in their specific emergency response responsibilities.

B. SCOPE:

The scenario is designed to activate the IP3 Emergency Plan and Procedures through various action levels. Although the scenario accurately simulates operating events, it is not intended to be used to assess the operators' diagnostic capabilities but rather provides sequences which ultimately demonstrate the operators' ability to respond to events which result in exercising emergency plans and procedures. Free play is encouraged and the controllers will interfere only if operator/player action prematurely terminates the exercise or excessively deviates from the scenario timeline.

The scenario is developed and reviewed by a committee consisting of representatives from many disciplines including Emergency Planning (Site and Corporate), Training, Public Affairs, Chemistry, Fire Protection, and Instrument and Control. The scenario is also run on the IP3 simulator to develop data and verify sequences and expected responses.

The Exercise will be conducted during normal work hours and will last approximately four (4) hours.

Since this is a Partial Participation Exercise, participation by Orange, Putnam, Rockland, and Westchester Counties as well as New York State will be limited. Support is anticipated from Consolidated Edison (IP2) for offsite survey teams. The New York Power Authority will activate the following Emergency Response Facilities: Control Room, Operations Support Center, Technical Support Center, Joint News Center, and Alternate Emergency Operations Facility.

At no time will the exercise be permitted to interfere with the safe operation of IP3. To ensure this goal, plant management may suspend the exercise, or any part of it, for any period of time if a plant safety issue arises.

C. **OBJECTIVES:**

All of the major elements that are to be included in every exercise, as outlined in NRC Inspection Procedure 82302 (03/24/89), are incorporated into the objectives for this Exercise. In addition, five (5) of the elements that should be exercised over a five (5) year period are included in the objectives and are as follows:

1. Activation of the Joint News Center.
2. Use of fire control teams.
3. Capability for determining the magnitude and impact of the particular components of a release.
4. Assembly and accountability.
5. Relocation to the Alternate Emergency Operations Facility.

The following objectives will be demonstrated. They were used to develop the exercise scenario and provide a framework for drill observers to evaluate exercise performance. NUREG-0654 references for each objective are indicated.

1.0 Accident Detection and Assessment

1.1 Identify plant system and effluent parameter values characteristic of off-normal conditions. (I.1)

1.2 Perform accident assessment based on information obtained from samples, radiation and effluent monitors, in-plant instrumentation, and containment radiation monitors. (I.2)

2.0 Emergency Classification

2.1 Classify actual or potential emergencies in accordance with the Initiating Conditions/Emergency Action Levels Table found in Section 4 of the Site Emergency Plan. (D.1, 2)

3.0 Notification of Emergency Responders

3.1 Provide emergency notifications to the NRC; New York State; the Counties of Westchester, Rockland, Putnam, and Orange; American Nuclear Insurers; and the Institute of Nuclear Power Operations consistent with the particular emergency classifications. (E.1)

3.2 Provide initial emergency information to the State and Counties utilizing the N.Y.S. Radiological Emergency Data Form, Part I. (E.3)

3.3 Alert, notify, and mobilize response personnel. (E.2)

3.4 Notify all personnel onsite of the simulated emergency via the plant page system and site assembly alarm. (J.1)

4.0 Communications

4.1 Utilize the Radiological Emergency Communication System (RECS) to provide communications with New York State and the Counties. (F.1.b, d)

4.2 Communicate with the NRC Operations Center via the Emergency Notification System (ENS). (F.1.f)

4.3 Coordinate, deploy, and control radiological monitoring teams using the field communications system. (F.1.d)

4.4 Include the information contained on the N.Y.S. Radiological Emergency Data Form, Part I (and Part II as applicable) in follow-up messages (updates) to the State and Counties. (E.4)

4.5 Communicate between the emergency response facilities utilizing the appropriate emergency communication systems. (F.1.d and NUREG 0737, Suppl. 1, 8.2, 8.3, 8.4)

5.0 Radiological Exposure Control

5.1 Monitor and maintain exposure to emergency response personnel within established exposure guidelines. (K.1.b, c)

5.2 Any personnel exposures above the established guidelines will be authorized by the Emergency Director. (K.2)

5.3 The methods and resources for distributing dosimetry to emergency workers and keeping records of individual radiation exposures will be demonstrated. (K.3.a, b)

5.4 Provide radiological monitoring for personnel evacuated from the site (if evacuated during or after a radioactive release). (J.3)

6.0 Protective Action Recommendations

6.1 Provide protective action recommendations to the State and Counties in accordance with the emergency plan and consistent with the scenario events. (J.7)

7.0 Staff Augmentation

7.1 Designate an individual who is in charge of the emergency and who makes decisions and coordinates emergency activities. (A.1.d)

7.2 Identify the need for and call upon outside support groups for assistance. (A.3)

7.3 Augment the on-shift organization within 60 minutes during normal working hours to include the minimum staffing level specified in Table 5-1 of the Emergency Plan. (B.5)

8.0 Shift Staffing

8.1 Designate an Emergency Director who will have the authority and responsibility to initiate emergency actions including making protective action recommendations to the offsite agencies. (B.2)

8.2 Demonstrate the line of succession for the Emergency Director position. (B.3)

8.3 Provide for continuous 24-hour operation of the site emergency response organization through the use of a two (2) shift roster. (A.4) Roster only

9.0 Activation of the Joint News Center

9.1 Activate and staff the Joint News Center. (G.3.a, b)

9.2 Provide clear, accurate, and timely information via media briefings and news releases. (G.4.a, b)

10.0 Use of Fire Control Teams

10.1 Respond to a simulated fire with a qualified Site Fire Brigade. (N.2.b and O.4.d)

11.0 Relocation to the Alternate Emergency Operations Facility (AEOF)

11.1 Recognize the need to relocate to the AEOF.

11.2 Assign EOF personnel to the Control Room to assist in dose assessment and field team coordination until the AEOF is operational.

11.3 Communicate and coordinate with Westchester County regarding the transit of the EOF staff between the EOF and AEOF (simulated).

11.4 Transfer command and control functions from the Control Room to the EOF staff upon staff arrival at the AEOF.

12.0 Field Monitoring

12.1 Provide the methods, equipment, and expertise to make rapid assessments of the actual or potential magnitude and locations of radiological hazards through gaseous release pathways. (I.7, 8)

12.2 Collect and analyze air sample media (as appropriate) and communicate and record sample data. (N.2.d)

13.0 Capability for Determining the Magnitude and Impact of a Release

13.1 Determine the source term and magnitude of the release of radioactive materials based on plant system parameters and effluent monitors. (I.3.a, b)

13.2 Correlate effluent monitor readings to onsite and offsite exposures under the scenario meteorological conditions. (I.4)

13.3 Utilize appropriate equipment and procedures for the measurement of airborne radioiodine concentrations as low as 10^{-7} microcuries per cubic centimeter in the presence of noble gases. (I.9)

13.4 Utilize field data to determine doserates and estimated integrated dose and to determine appropriate protective measures based on the protective action guidelines, evacuation time estimates, and other appropriate factors. (I.10)

14.0 Use of Potassium Iodide

14.1 Discuss the need for potassium iodide (KI) as authorized by the Emergency Director. (J.6.c)

15.0 Assembly and Accountability

15.1 Assemble and account for all individuals onsite within 30 minutes of the declaration of a Site Area Emergency and continuously account for personnel during the duration of the exercise. (J.5)

15.2 Control site access through use of the Site Security Force. (O.4.d)

16.0 Emergency Facilities and Equipment

16.1 Activate and staff the Emergency Response Facilities (ERFs), i.e., Technical Support Center, Operations Support Center, Alternate Emergency Operations Facility, and Joint News Center. (H.1, 2, 4, 9)

16.2 Utilize the capabilities, displays, supplies, and equipment of the ERFs to support emergency operations. (H.9)

16.3 Utilize onsite and offsite monitoring systems to initiate emergency measures and conduct assessments. (H.5, 6)

17.0 Exercise Control and Evaluation

17.1 Provide exercise controllers who will referee the exercise in accordance with the prescribed scenario timeline.

17.2 Provide exercise controllers who will provide scenario data and answer questions without prompting exercise players.

17.3 Provide exercise observers who will adequately critique exercise performance and characterize their findings.

D. EXERCISE AND DRILLS:

This exercise incorporates the following drills:

1. Communication Drill - The IP3 staff will demonstrate the ability to notify and communicate with State and Local governments, and field assessment teams. (N.2.a)

2. Health Physics/Radiological Monitoring Drill - The Health Physics staff will respond to and conduct analysis of simulated elevated air samples and direct radiation measurements in the environment. (N.2.d and N.2.e.(1))

3. Fire Drill - The IP3 Fire Brigade will respond to a fire within the plant as per Site Fire Procedures. (N.2.b)

E. **CONCEPT OF OPERATIONS AND CONTROL OF THE EXERCISE:**

The Authority will supply official Controllers/Observers for locations where an emergency response is being demonstrated. Prior to the exercise, the Controllers and Observers will attend a briefing where they will be provided with locations, maps, time periods, technical information, exercise guidelines, and an evaluation checklist for their exercise assignments.

The exercise initiating events and information will be controlled by the Lead Controller at IP3. The Lead Controller will have the responsibility to control and coordinate the time sequence of initiating events.

The simulated accident will continue to develop based on data and information provided to the Emergency Response Facility personnel by the Controllers. Certain inconsistencies (such as technical reasons for equipment failure) may be intentional. Such inconsistencies may be necessary due to the restrictions of simulating an accident that has never occurred and the requirement to provide an exercise basis which tests response capabilities to the maximum extent feasible in a limited time. The Lead Controller shall have the authority to resolve or explain any inconsistencies or problems that may occur during the exercise. With the exception of such potential inconsistencies, the internal operation of the Site ERFs shall be consistent with their intended operation in a real emergency.

F. **MAINTAINING EMERGENCY READINESS:**

Actions taken by the participants will not reduce plant or public safety. The potential for creating real radiological or other emergencies shall be specifically avoided. All messages about real events will be clearly identified. For example, a real message will be preceded with the words "This is NOT, repeat NOT a drill message".

During the exercise, the ability to recognize real conditions will be maintained. The exercise will be terminated in the event a real emergency condition exists. The exercise scenario will not result in degradation of systems, equipment, or supplies, nor will it affect the detection, assessment, or emergency response capability of the plant.

SECTION 3

OPERATIONS AND CONTROL

NEW YORK POWER AUTHORITY
INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1993 NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

JULY 21, 1993

SECTION 3

OPERATIONS AND CONTROL

I. INSTRUCTIONS FOR OBSERVERS AND CONTROLLERS

The 1993 Partial Participation Exercise for the Indian Point No. 3 Nuclear Power Plant will be conducted in accordance with IP-3 Emergency Plan Implementing Procedure IP-1080 - Conduct of Emergency Exercises and Drills. This procedure describes the types of exercises and drills mandated, planning criteria, responsibilities of Controllers and Observers, and follow-up procedures for critique, reporting, and corrective actions.

A. The following provides guidelines with regard to activity simulation:

1. The taking of chemistry samples will be simulated. Teams will, however, be chosen, briefed, and dispatched. Because of the condensed time frame of the scenario, results of the samples will be provided to the teams consistent with the scenario time line.

2. "Dressing out" of some participants may be requested in accordance with the scenario and shall be consistent with actual radiological conditions.

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

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

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

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

B. Emergency response activities will include the following:

1. Facility activation and staffing of the Control Room (Simulator), OSC, TSC, AEOF, and JNC. The exercise will be conducted from the IP3 Simulator, but the Simulator will not be used to dynamically drive the scenario.

2. All notifications and communications.

3. Offsite field readings and sampling.

4. Dose assessment and protective action recommendations.

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

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

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

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

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

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

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

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

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

6. Observers will complete and submit copies of their respective Observer Checklists to the Emergency Planning Coordinator. Copies of these checklists are attached (Attachment 1).

II. OBSERVER/CONTROLLER ASSIGNMENTS (See Attachment 2)

III. EXERCISE SCHEDULE

An Observer/Controller Orientation and Exercise Briefing will be conducted on Tuesday, July 20, 1993 at 1:00 PM at the IP-3 Training Center. The purpose of this meeting is to present the scenario that will be utilized, review the ground rules for the exercise, address any questions or concerns that the Observers or Controllers may have, and provide the necessary data, maps, field reports, etc. required for presentation to the participants.

The 1993 IP-3 Partial Participation Exercise will be approximately 4 hours long and will be conducted during normal working hours on Wednesday, July 21, 1993.

Debriefings for all Observers and Controllers will be held on Wednesday, July 21, 1993 at 1:00 PM and on Thursday, July 22, 1993 at 7:00 AM at the IP-3 Training Center. A formal exercise critique will be held in the Admin. Conference Room at 1:00 PM on Thursday, July 22, 1993. At this time, representatives from each Emergency Response Facility or function will present a short summary of the findings in his or her area of observation.

This critique will include comments stating whether or not the objectives established for the exercise were met in their specific area of observation. Comments will also include strengths and weaknesses and will include recommendations for correcting inadequate or unsatisfactory performance and/or procedures.

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

Wayne Robinson	-	Control Room
Jerry Gullick	-	Technical Support Center
Bob Cullen	-	Operations Support Center
Rich Robenstein	-	Emergency Operations Facility/AEOF
Mary Ann Chaubard	-	Radiological Assessment
Mike Kyer	-	Accountability
Jay Mosher	-	Security
Roger Lauricella	-	Fire Brigade
Ira Fine	-	Joint News Center

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

- The scenario;
- The assignment sheets;
- An overview of the exercise;
- A listing of each noted shortcoming and associated recommended corrective action;
- Proposed Emergency Plan Corrective Action Reports (EPCARs).

July 21, 1993

Attachment 1

OBSERVER CHECKLIST INDEX

Control Room

Emergency Operations Facility (AEOF)

Dose Assessment

Field Monitoring

Operations Support Center

Repair & Corrective Action Teams

HP Technicians

Chemistry Technician

Fire Brigade

Technical Support Center

Security

Accountability

Joint News Center

NOTE: Observer Checklists will be provided at the Exercise Briefing on July 20, 1993.

DATE: 07/21/93

ATTACHMENT 2

EXERCISE ASSIGNMENT SHEET

JOB FUNCTION	OBSERVER	DRILL EXTENSION
Lead Controller	Dave Bell	(Page)
Control Room Controller	Wayne Robinson	8757
Plant Operations Manager Shift Supervisor	Mary Ann Chaubard	8758
Sr. Reactor Operator Reactor Operator CR Communicator(s) Nuclear Plant Operators Accountability Officer	Ed Armando	8758
EOF Controller Emergency Director Technical Advisor Public Relations P.R. Tech. Assistant RATL	Rich Robenstein	8488 (EOF) 681-6331 (AEOF)
Rad. Assessment Team:		
MIDAS Operator EOF Monitor	Mary Ann Chaubard (CCR)	8758
Dose Assessment	Stan Wisla	8488
Rad. Communicators Survey Teams		681-6327 (AEOF)
Communicators Acct. Officers/Clerks	Alain Grosjean	8485 (EOF) 681-6327 (AEOF)
TSC Controller	Jerry Gullick	8713
TSC Manager TSC Mechanical TSC Electrical	Tony Cerwin	8725
TSC Reactor TSC Communications Room TSC Accountability	Maggie McGough	8027
OSC Controller	Bob Cullen	8709
OSC Manager OSC H.P. Team Leader OSC Chemistry Team Leader OSC I&C Team Leader OSC Maintenance Team Leader OSC Operations Team Leader OSC Security Team Leader	Rich Ruzicka	8799
OSC Accountability Officer OSC Clerk	Maggie McGough	8721
Watch H.P.	Mike Byrnes	8440 (Page)
Watch Chemist	Joe Matwijiw	8460 (Page)

DATE: 07/21/93

ATTACHMENT 2

EXERCISE ASSIGNMENT SHEET

JOB FUNCTION	OBSERVER	DRILL EXTENSION
Fire Brigade	Roger Lauricella	(Page)
Lead Accountability Officer	Mike Kyer	8051
Accountability Areas:		
Training	Mike Khadabux	8667
Warehouse	Daria Sullivan	8122
Construction	Marie Campanaro	8699
Machine Shop	Ed Maset/Irene Catano/ Bill Taylor	8622/8633
Onsite Monitoring Team	Matty Mozzor	(914) 645-3033
Offsite Monitoring Teams:		
(1)	John Hughes	(914) 643-0401
(2)	Steve Horvath	(914) 645-3032
Repair & Corrective Action Teams:	Rick Alpert	
(1)	John Boccio	8700
(2)	John Murgida	8700
(3)	Jack Arcate	8700
(4)	Charlie Braun	8700
(5)	Steve Manzione	8700
Security Command Post	Jay Mosher	8067
Security Gates	Reggie Rose	8067
Joint News Center	Ira Fine	8085
AEOF	Charlene Faison	681-6330
Q.A.	Robert Buckley Korkean Dulgerian Andrew Picciano Jan Mayer Narenda Papaiya	

Wayne Robinson - Control Room

Objectives - 1.1, 1.2, 2.1, 3.1, 3.2, 3.3, 3.4, 4.1, 4.2, 4.4, 4.5, 6.1, 7.1, 8.1, 8.2, 10.4, 15.1, 15.2

Jerry Gullick - Technical Support Center

Objectives - 1.2, 4.5, 7.2, 7.3, 8.3, 15.1, 15.2

Bob Cullen - Operations Support Center

Objectives - 4.5, 5.1, 5.2, 5.3, 5.4, 7.3, 8.3, 13.1, 15.1, 15.2

Rich Robenstein - EOF/AEOF

Objectives - 1.1, 1.2, 2.1, 3.1, 4.1, 4.4, 4.5, 5.2, 6.1, 7.1, 7.2, 7.3, 8.1, 8.2, 8.3, 10.1, 10.2, 10.3, 10.4, 13.1, 15.1, 15.2, 15.3

Mary Ann Chaubard - Radiological Assessment

Objectives - 1.2, 4.3, 11.1, 11.2, 12.1, 12.2, 12.3, 12.4, 15.3

Roger Lauricella - Fire Brigade

Objectives - 10.0

Mike Kyer - Accountability

Objectives - 3.4, 5.4, 14.1, 15.2

Jay Mosher - Security

Objectives - 3.3, 14.2

Ira Fine - Joint News Center

Objectives - 4.5, 7.1, 7.3, 8.3, 9.1, 9.2, 15.1, 15.2

David Bell - Drill Control and Evaluation

Objectives - 16.1, 16.2, 16.3

7/2[illegible]3

CRITIQUE SUMMARY

NAME: _____ LOCATION/FUNCTION: _____/_____

OBJECTIVE	ANTICIPATED ACTION	ACTUAL ACTION	STRENGTHS/WEAKNESSES
1.0 Accident Detection and Assessment	Recognize the off-normal conditions presented in the scenario and utilize the information available to assess the accident conditions, eg. follow procedures for accident mitigation		

Was objective met? Yes No

/93

CRITIQUE SUMMARY

NAME: _____ LOCATION/FUNCTION: _____/_____

OBJECTIVE	ANTICIPATED ACTION	ACTUAL ACTION	STRENGTHS/WEAKNESSES
2.0 Emergency Classification	Use the scenario information provided to determine the appropriate emergency classification. Emergency classification to be declared within 15 minutes of recognizing the initiating conditions.		

Was objective met? Yes No

CRITIQUE SUMMARY

NAME: _____ LOCATION/FUNCTION: _____/_____

OBJECTIVE	ANTICIPATED ACTION	ACTUAL ACTION	STRENGTHS/WEAKNESSES
3.0 Notification	Notify the State and Counties of the emergency within 15 mins of its declaration. Notify the NRC within 1 hour. Notify response personnel and the Site via plant page and assembly alarm. Notify ANI, INPO as appropriate		

Was Objective met? Yes No

7/21/93

CRITIQUE SUMMARY

NAME: _____ LOCATION/FUNCTION: _____/_____

OBJECTIVE	ANTICIPATED ACTION	ACTUAL ACTION	STRENGTHS/WEAKNESSES
4.0	Utilize the "RECS" and "ENS"		
Communication	to notify the State/Counties and		
	NRC respectively. Transmit info.		
	to State and Counties utilizing		
	Ports I and II. Communicate with		
	field teams utilizing radio or phones.		
	Communicate between ERF's		
	utilizing 5 Party Phone System		

Was objective met? Yes No

21/93

CRITIQUE SUMMARY

NAME: _____ LOCATION/FUNCTION: _____/_____

OBJECTIVE	ANTICIPATED ACTION	ACTUAL ACTION	STRENGTHS/WEAKNESSES
5.0	Provide dosimetry to and maintain		
Rad.	exposures to workers within limits		
Exposure	Authorizations for exposures above		
Control	limits to be made by ED. Keep		
	records of individuals exposures		
	Monitor Site evacuees (as appropriate)		

Was objective met? Yes No

12/1/93

CRITIQUE SUMMARY

NAME: _____ LOCATION/FUNCTION: _____/_____

OBJECTIVE	ANTICIPATED ACTION	ACTUAL ACTION	STRENGTHS/WEAKNESSES
6.0	Make "PARs" to State and		
Protective	Counties as appropriate to the		
Actions	emergency classification.		
Recommendations			

Was objective met ? Yes No

7/21/93

CRITIQUE SUMMARY

NAME: _____ LOCATION/FUNCTION: _____/_____

OBJECTIVE	ANTICIPATED ACTION	ACTUAL ACTION	STRENGTHS/WEAKNESSES
7.0 Staff Augmentation	The ED will take charge and coordinate all response activities. Off site support will be requested as appropriate (INPO, WPO, etc.) Table 5-1 staffing levels will be met within 60 minutes of the Alert classification.		

was objective met? Yes No

7/21/93

CRITIQUE SUMMARY

NAME: _____ LOCATION/FUNCTION: _____/_____

OBJECTIVE	ANTICIPATED ACTION	ACTUAL ACTION	STRENGTHS/WEAKNESSES
8.0 Shift Staffing	The ED functions will be transferred from the S.S. to the Res. Manager without loss or disruptin of decisim making actions. ERF's will establish a 2 Shift roster for emergency response functions		

Was objective met? Yes No

7/21/93

CRITIQUE SUMMARY

NAME: _____ LOCATION/FUNCTION: _____/_____

OBJECTIVE	ANTICIPATED ACTION	ACTUAL ACTION	STRENGTHS/WEAKNESSES
9.0 Joint News Center	The "JNC" will be staffed and demonstrate information release to the public through media briefings and the writing of news releases.		

Was objective met? Yes No

7/21/93

CRITIQUE SUMMARY

NAME: _____ LOCATION/FUNCTION: _____/_____

OBJECTIVE	ANTICIPATED ACTION	ACTUAL ACTION	STRENGTHS/WEAKNESSES
10.0 Fire Control Teams	The site Fire Brigade will respond to a simulated fire within the Protected Area in accordance with the appropriate procedures		

7/21/93

CRITIQUE SUMMARY

NAME: _____ LOCATION/FUNCTION: _____/_____

OBJECTIVE	ANTICIPATED ACTION	ACTUAL ACTION	STRENGTHS/WEAKNESSES
11.0 Relocation to AEOF	The need for relocation will be recognized based on anticipated or actual scenario rad. levels if departure occurs after the release, staff will go to decon/ monitoring center in Vahalla before going to AEOF. Staff will dispatch personnel to CCR for dose assessment/fidd monitoring coordination. Upon arrival at AEOF, staff will receive briefing and re-assume command and control from CCR.		

Was objective met? Yes No

7/21/93

CRITIQUE SUMMARY

NAME: _____ LOCATION/FUNCTION: /

OBJECTIVE	ANTICIPATED ACTION	ACTUAL ACTION	STRENGTHS/WEAKNESSES
12.0 Field Monitoring	Field teams will locate and assess the radioactive plume through measurement and air sampling. Appropriate equipment and procedures will be utilized.		

Was objective met? Yes No

7/21/93

CRITIQUE SUMMARY

NAME: _____ LOCATION/FUNCTION: _____/_____

OBJECTIVE	ANTICIPATED ACTION	ACTUAL ACTION	STRENGTHS/WEAKNESSES
13.0 Determining Magnitude and Impact of Release (Dose Assessment)	Dose Assessment Personnel will use effluent monitors and field data to determine the source term and offsite doses resulting from the release. MIDAS and the IBM dose assessment program will be utilized to make assessments. Recommendations for protective actions will be made to the ED		

Was objective met? Yes No

7/21/93

CRITIQUE SUMMARY

NAME: _____ LOCATION/FUNCTION: _____/_____

OBJECTIVE	ANTICIPATED ACTION	ACTUAL ACTION	STRENGTHS/WEAKNESSES
19.0 Use of KI	The need for using KI will be discussed and authorized by the ED as appropriate.		

Was objective met? Yes No

7/21/93

CRITIQUE SUMMARY

NAME: _____ LOCATION/FUNCTION: _____/_____

OBJECTIVE	ANTICIPATED ACTION	ACTUAL ACTION	STRENGTHS/WEAKNESSES
15.0	Account for all personnel		
Assembly	in the Protected Area		
And	within 30 mins of the		
Accountability	SAE declaration.		
	The Security Force will		
	demonstrate control of		
	access to the site.		

Was objective met? Yes NO

7/21/93

CRITIQUE SUMMARY

NAME: _____ LOCATION/FUNCTION: _____/_____

OBJECTIVE	ANTICIPATED ACTION	ACTUAL ACTION	STRENGTHS/WEAKNESSES
16.0 Emergency Facilities and Equipment	The Emergency Response Facilities (CCR, TSC, OSC, EOF, AEOF, JNC) will be activated and staffed. The availability and use of the equipment, supplies, displays, and information in the ERFs will be demonstrated, eg. SPDS, MIDAS, HP instrumentation, status boards, forms, etc.		

Was objective met? Yes No

7/21/93

CRITIQUE SUMMARY

NAME: _____ LOCATION/FUNCTION: _____/_____

OBJECTIVE	ANTICIPATED ACTION	ACTUAL ACTION	STRENGTHS/WEAKNESSES
17.0 Drill Control and Evaluation	Drill Controllers/Observers will keep actions consistent with the scenario. They will provide data without prompting players. They will conduct an effective critique of the drill by:- stating whether objectives were met. - identifying strengths and weaknesses - categorizing drill findings and the need for corrective actions.		

Was objective met? Yes No

7/x/93

CONTINGENCIES

NAME: _____ LOCATION/FUNCTION: _____/_____

List any contingencies which were necessary to:

- Correct/modify scenario information.
- Prevent divergance from the scenario timeline.
- Correct player failure to follow procedure.
- Compensate for missing/defective equipment or supplies.

TIME	OBSERVER/CONTROLLER ACTION	REASON

1/93

CATEGORIZE WEAKNESSES

NAME: _____ LOCATION/FUNCTION: _____/_____

REPORTABLE (10CFR50, SOR, ETC.) (Not applicable for Practice Drill)	SIGNIFICANT (Procedural non-compliances, equip. failures, etc.)	MINOR (Area for Improvement)	RECOMMENDED CORRECTIVE ACTIONS

SECTION 4

EXERCISE SCENARIO OVERVIEW

NEW YORK POWER AUTHORITY
INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1993 NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

JULY 21, 1993

NEW YORK POWER AUTHORITY

INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1993 NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

JULY 21, 1993

INITIAL CONDITIONS - 0730 hrs.

The Indian Point Unit #3 Nuclear Power Plant has been operating for the last 90 days at 100% power. Plant operations personnel have completed shift turnover with the following information:

- 345 KV Breaker #1 is open as requested by Consolidated Edison District Operator due to maintenance.
- No equipment is out of service.
- Contractors are cleaning Emergency Diesel Generator (EDG) #33 area and it's sump.
- Management permission has been granted to place CO2 control switch for EDG #33 room in the "ABORT" position for 6 hours.
- Red trouble alarm for Zone #278 is lit (CO2 discharge).

DRILL COMMENCES - 0745 hrs.

0745: The process radiation monitor annunciator alarms. Operators confirm that Air Ejector Radiation Monitor (R-15) has increased. Calculations will indicate a 0.1 gpm steam generator (SG) tube leak. Chemistry will be instructed to obtain samples of the air ejector and 4 SGs. (See Field Reports #1 & #1A.)

0800: The Central Control Room (CCR) operators will experience a loss of all supervisory panel alarms due to the supply breaker faulting. (See Field Report #2.)

0815: An **ALERT** should be declared based on EAL X.B. - most or all alarms (annunciators) lost.

A fire occurs in the phone room at the Emergency Operations Facility (EOF) causing all phone/radio communications to fail. The EOF staff will discover this condition when they arrive at the EOF. (See Field Report #2A.)

0845: Chemist will notify the CCR that the sample from SG #32 has elevated radioactivity levels which confirm a tube leak of 0.1 gpm.

EOF may be preparing to relocate to the Alternate EOF (AEOF).

The Fire Control and Display Panel alarms in the CCR indicating a fire is occurring in the EDG #33 room. (See Field Reports #3 & #3A.)

0900-
0915: Fire Brigade reports that the fire damaged the air compressor and fuel day tank for EDG #33.

A **SITE AREA EMERGENCY** should be declared based on EAL III.C. - Fire compromising the functions of required safety systems.

Power to the annunciators in the CCR may be restored.

0915: Major grid disturbance causes 345 KV Breaker #3 to open and a loss of 138 KV and 13.8 KV power. Control Rods K-10 & J-11 fail to insert into the core. (See Field Report #4.)

Bus 5A remains de-energized due to the inoperability of EDG #33. (See Field Report #5.)

0920: Safety injection (SI) pump #31 is inoperable due to the loss of Bus 5A and SI pump #32 fails to start due to breaker problems. (See Field Report #6.)

Main Steam Line (MSL) Safety Valve #45-2 lifts and remains open causing a delta pressure safety injection actuation. A release within technical specification (T.S.) limits commences. (See Field Report #7.)

0930: A SG tube rupture of approximately 1200 gpm occurs in SG #32. RHR pump #32 fails. (See Field Report #8.)

0945: SI pump #33 fails. (See Field Report #9.) The Reactor Coolant System (RCS) inventory continues to decrease.

1000: Core exit thermocouple readings are increasing. MSL Radiation Monitor R-62B indicates core activity being released through MSL Safety Valve #45-2. A **GENERAL EMERGENCY** could be declared due to EAL I.C.8 - Loss of 2 out of 3 fission product barriers with potential loss of the third.

1015: Core damage results from the loss of RCS inventory. Core exit thermocouple readings continue to increase.

1030: The AEOF should assume command and control by this time.

1045: RCS cooling is restored. Core exit thermocouple readings have peaked at 1300°F.

NOTE: Repair of MSL Safety Valve #45-2 can be accomplished or valve will automatically close at 11:15.

1115: RCS temperature is approximately 350°F. The release is secured.

1130-
1200: Drill is terminated.

NOTE: Action for Field Report #10 (radiological survey on steam leaks) can be initiated any time during the exercise.

SECTION 5

PLANT DATA

NEW YORK POWER AUTHORITY
INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1993 NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

JULY 21, 1993

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 0730

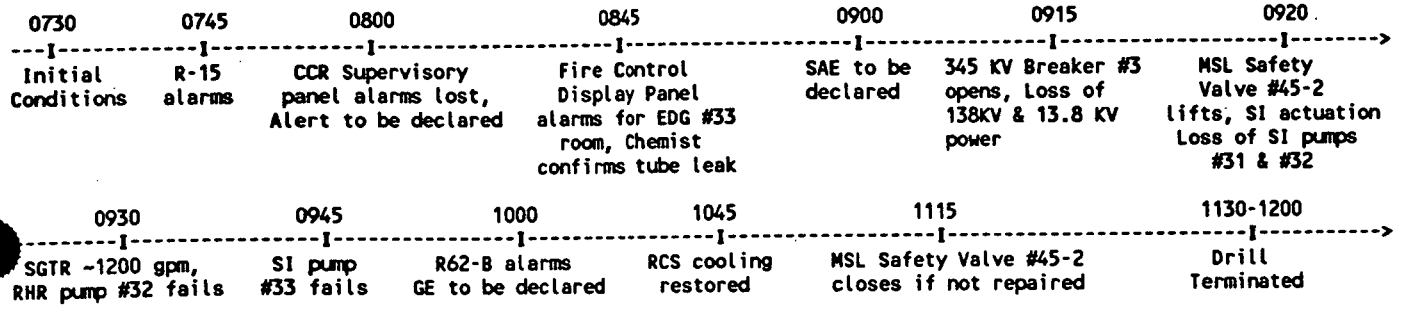
INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 1

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:

CCR and All Controllers	Plant status per plant status log #1.
	
	Initial Conditions:
	- IP#3 has been operating for the last 90 days at 100% power.
	- Shift turnover has been completed with the following:
	  - 345 KV breaker #1 is open as requested by Con Ed DO due to maintenance.
	  - No equipment OOS.
	  - Contractors are cleaning EDG #33 area and it's sump.
	  - Management granted permission to place CO2 control switch for EDG #33 in the "ABORT" position.
	  - Red trouble alarm for Zone #278 is lit (CO2 discharge)
		None	None

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



NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 0730

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 1

- Plant status per plant status log # 1.
- Initial conditions:
  - IP#3 has been operating for the last 90 days at 100% power.
  - Shift turnover has been completed with the following:
    - 345 KV breaker #1 is open as requested by Con Edison District Operator due to maintenance
    - No equipment is out of service
    - Contractors are cleaning EDG #33 area and it's sump
    - Management granted permission to place CO2 control switch for EDG #33 in the "ABORT" position
    - Red trouble alarm for Zone #278 is lit (CO2 discharge)

- THIS IS A DRILL -

#1

EP FORM 31a

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
0730

	PARAMETER		VALUE	
U1170	INCORE T/C TIME AVG VALUE		599.7	DEG F
U0090	INST VALUE OF HOTTEST INCORE T/C		622.9	DEG F
U0484	RCL AVG TAVG		566.5	DEG F
U0486	RCL HOT AVG T		595.3	DEG F
PT-402	RCS PRESSURE - LOOP 1		2235.5	PSIG
PT-403	RCS PRESSURE - LOOP 4		2235.5	PSIG
KHTMARCS	LOWEST RCS TEMP SAT MARGIN		57.2	DEG F
TMARCETA	CET TEMP SAT MAR		57.2	DEG F
S498AD	RCP #31 STATUS		ON	
S498BD	RCP #32 STATUS		ON	
S498CD	RCP #33 STATUS		ON	
S498DD	RCP #34 STATUS		ON	
U0483	PRESSURIZER LEVEL 1/2/3 AVG		44.9	PCT
FT-128	CHARGING PUMP DISCHARGE FLOW		47.9	GPM
LT-417D	STEAM GENERATOR #31 W.R. LEVEL		52.5	PCT
LT-427D	STEAM GENERATOR #32 W.R. LEVEL		52.5	PCT
LT-437D	STEAM GENERATOR #33 W.R. LEVEL		52.5	PCT
LT-447D	STEAM GENERATOR #34 W.R. LEVEL		52.5	PCT
U0414	STM GEN A STM P 1/2/3 AVG		733.8	PSIG
U0434	STM GEN B STM P 1/2/3 AVG		733.8	PSIG
U0454	STM GEN C STM P 1/2/3 AVG		733.8	PSIG
U0474	STM GEN D STM P 1/2/3 AVG		733.8	PSIG
U1000	CONTAINMENT P 1/2/3 AVG		0.2	PSIG
FT1200	AUX FD FLOW TO SG #31		0.0	GPM
FT1201	AUX FD FLOW TO SG #32		0.0	GPM
FT1202	AUX FD FLOW TO SG #33		0.0	GPM
FT1203	AUX FD FLOW TO SG #34		0.0	GPM
LT1128	CONDENSATE STORAGE TANK LEVEL		28.2	FT
LT1128A	CONDENSATE STORAGE TANK LEVEL		28.2	FT
TC-1416	CONTAINMENT AVG TEMPERATURE		82.9	DEG F
LT-1255	CONTAINMENT SUMP LEVEL		40.9	FT
LT-1256	CONTAINMENT SUMP LEVEL		40.9	FT
LT-1251	RECIRCULATION SUMP LEVEL		34.3	FT
LT-1252	RECIRCULATION SUMP LEVEL		34.3	FT
LT-920	RWST LEVEL		36.1	FT
LT-931	CHEMICAL SPRAY ADDITIVE TANK LVL		83.4	PCT
HC-MCA	CONTAINMENT H2 CONCENTRATION		0.0	PCT
HC-MCB	CONTAINMENT H2 CONCENTRATION		0.0	PCT
LR002A	RVLIS DYNAMIC HEAD RANGE		100.0	PCT
LR002B	RVLIS DYNAMIC HEAD RANGE		100.0	PCT
LR001A	RVLIS FULL RANGE	U	0.0	PCT
LR001B	RVLIS FULL RANGE	U	0.0	PCT
N-35	INTERMEDIATE RANGE DETECTOR		2.0E-04	AMPS
N-36	INTERMEDIATE RANGE DETECTOR		2.0E-04	AMPS
KISUR	INTERMEDIATE RANGE START-UP RATE		0.0	DECPM
N-31	SOURCE RANGE DETECTOR		0.0	CPS
N-32	SOURCE RANGE DETECTOR		0.0	CPS
KSSUR	SOURCE RANGE START-UP RATE		0.0	DECPM
U1169	PWR RNG NUCL CHANNEL RMP AVG Q		100.0	PCT

- DRILL INFORMATION ONLY -

#1

EP FORM 31b

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
0730

	PARAMETER	VALUE	
R01	CONTROL ROOM RAD	0.000E+00	MR/HR
R02	AREA 2 RADIATION	7.000E-01	MR/HR
R04	CHARGING PUMP ROOM	1.000E-01	MR/HR
R05	FUEL STORAGE BUILDING RAD	2.000E-01	MR/HR
R06	SAMPLE ROOM RAD	6.000E-01	MR/HR
R07	IN CORE INS ROOM RAD	3.000E+00	MR/HR
R08	DRUMMING STATION RAD	8.000E-01	MR/HR
R10	STEAM LINE PENETRATIONS RAD	0.000E+00	R/HR
R11	CNMT AIR PARTICLE RADIATION	2.200E-10	UCI/CC
R12	CONTAINMENT GAS RADIATION	1.400E-06	UCI/CC
R13	PLANT VENT AIR PARTICLE RAD	1.000E+03	CPM
R14	AUX BUILDING EXHAUST RAD	1.500E+03	CPM
R15	STEAM AIR EJECT EXHAUST RAD	0.000E+00	UCI/CC
R16A	CNMT CLNG HX SVC WTR OUT 1R	1.000E-07	UCI/CC
R16B	CNMT CLNG HX SVC WTR OUT 2R	1.000E-07	UCI/CC
R17A	CMPT CLG PUMP SUCT A HEADER RAD	3.000E+02	CPM
R17B	CMPT CLG PUMP SUCT B HEADER RAD	4.000E+02	CPM
R18	LIQUID WASTE DISPOSAL RADIATION	3.500E-06	UCI/CC
R19	STM GENER BLOWDOWN DRAIN 2 RAD	0.000E+00	UCI/CC
R23	CCW SERVICE WATER EFFLUENT	1.000E-07	UCI/CC
R25	CONTAINMENT HIGH RAD MONITOR 1	9.200E-02	R/HR
R26	CONTAINMENT HIGH RAD MONITOR 2	9.200E-02	R/HR
R27	PLANT VENT RADIATION	6.800E-08	UCI/S
Y9051A	STACK DISCHARGE AIR FLOW	60.0	KCFM
R59	RAMS BUILDING NOBLE GAS MONITOR	5.100E-09	UCI/CC
R62A	31 MAIN STEAM LINE	2.000E-04	UCI/CC
R62B	32 MAIN STEAM LINE	4.000E-04	UCI/CC
R62C	33 MAIN STEAM LINE	2.000E-04	UCI/CC
R62D	34 MAIN STEAM LINE	2.000E-04	UCI/CC
R63A	GROSS FAILED FUEL DETECTOR R63A	9.100E-03	UCI/CC
R63B	GROSS FAILED FUEL DETECTOR R63B	9.100E-03	UCI/CC
R64	PAB 55 FT AREA MONITOR	1.000E-02	MR/HR
R65	PAB 73 FT AREA MONITOR	1.000E-01	MR/HR
R66	PAB 34 FT AREA MONITOR	1.000E-01	MR/HR
R67	PAB 41 FT AREA MONITOR	2.000E-01	MR/HR
R68	PAB 15 FT AREA MONITOR	3.000E+00	MR/HR
R69	PIPE PEN 54 FT AREA MONITOR	4.000E+00	MR/HR
R70	FAN HOUSE 77 FT AREA MONITOR	1.000E-01	MR/HR

A - IN ALARM
U - UNAVAILABLE OR OUT-OF-RANGE
E - ENTERED VALUE
X - OUT OF ALARM CHECKING
S - OUT OF SCAN

- DRILL INFORMATION ONLY -

EP-FORM #31C

IP-3 EQUIPMENT STATUS LOG

#1

DATE: 07/21/93
TIME: 0730

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1	X			
	#32 4	X			
	#33 3	X			
	#34 2	X			
Emergency D/Gs	#31 2A		X		
	#32 6A		X		
	#33 5A		X		
Offsite Power Available	138V	X			
	13.8KV		X		
Gas Turbines (Con Edison)	GT-1		X		
	GT-2		X		
	GT-3		X		
SIS Pumps	#31 5A		X		
	#32 2A		X		
	#33 6A		X		
High Head SIS Flow	#31(GPM)		Ø		
	#32(GPM)		Ø		
	#33(GPM)		Ø		
	#34(GPM)		Ø		
RHR Pumps	#31 3A		X		
	#32 6A		X		
Recirc. Pumps	#31 5A		X		
	#32 6A		X		
Low Head SIS Flow	#31(GPM)		Ø		
	#32(GPM)		Ø		
	#33(GPM)		Ø		
	#34(GPM)		Ø		
Accum. Level	#31 (%)		35		
	#32 (%)		33		
	#33 (%)		34		
	#34 (%)		34		

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
RHR Heat Exchangers	#31		X		
	#32		X		
Component Cooling Heat Exchangers	#31	X			
	#32	X			
Hydrogen Recombiner	#31 2A		X		
	#32 6A		X		
Fan Cooler Units	#31 5A		X		
	#32 2A	X			
	#33 5A	X			
	#34 3A	X			
	#35 6A	X			
Aux. Boiler Feed Pumps	#31 3A		X		
	#32		X		
	#33 6A		X		
Containment Spray Pumps	#31 5A		X		
	#32 6A		X		
Charging Pumps	#31 5A	X			
	#32 3A		X		
	#33 6A		X		
Component Cooling Pumps	#31 5A	X			
	#32 2A		X		
	#33 6A	X			
Aux. Component Cooling Pumps	#31 5A		X		
	#32 6A		X		
	#33 5A		X		
	#34 6A		X		
Appendix 'R' D/G			X		

PARAMETER	BUS #	STATUS O	S	OS	ESSENTIAL	NON-ESSENTIAL
Service Water Pumps	#31 5A		X		X	
	#32 2A		X		X	
	#33 6A	X			X	
	#34 5A		X			X
	#35 3A	X				X
	#36 6A	X				X

VC Isolation Valves (Phase A/B valves which are not in required position.)

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM.

S - STANDBY
O - OPERATING
OS - OUT OF SERVICE

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 0745

INDIAN POINT NO. 3 SCENARIO

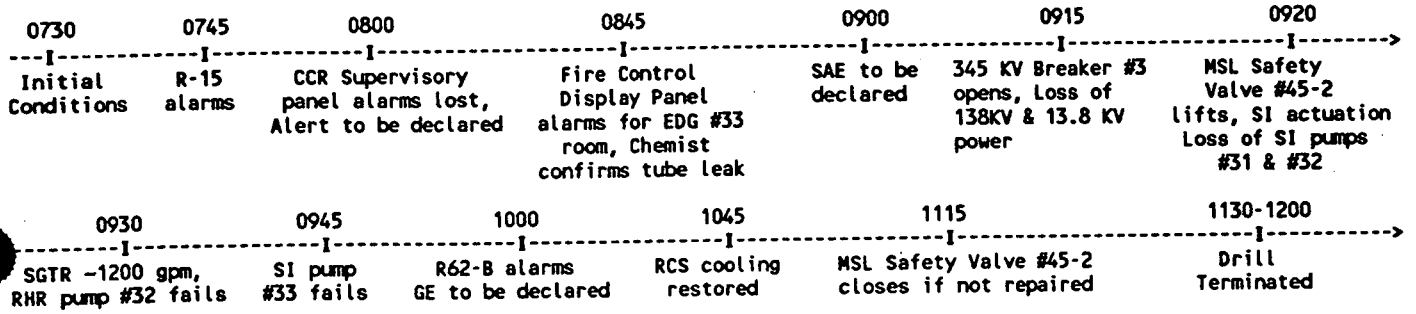
MESSAGE NUMBER: 2

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR and All Controllers	Plant status per plant status log #2. R-15 SJAE Exhaust alarm. R-15 is stabilized. R-19 is slowly increasing and will stabilize at 0830.	CCR operators refer to: ARP-40 ONOP-RM-2 ONOP-SG-1 and follow actions in accordance with the above procedures. Chemistry calculation of leak rate from R-15.	None

NOTE: Controller confirms all automatic actions associated with R-15 occur.

NOTE: Controller will not allow operators to commence a plant shutdown.

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



NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 0745

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 2

- Plant status per plant status log #2.
- R-15 SJAE Exhaust Alarm.

- THIS IS A DRILL -

#2

EP FORM 31a

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
0745

	PARAMETER		VALUE	
U1170	INCORE T/C TIME AVG VALUE		599.6	DEG F
U0090	INST VALUE OF HOTTEST INCORE T/C		622.8	DEG F
U0484	RCL AVG TAVG		566.5	DEG F
U0486	RCL HOT AVG T		595.3	DEG F
PT-402	RCS PRESSURE - LOOP 1		2235.4	PSIG
PT-403	RCS PRESSURE - LOOP 4		2235.4	PSIG
KHTMARCS	LOWEST RCS TEMP SAT MARGIN		57.2	DEG F
TMARCETA	CET TEMP SAT MAR		57.2	DEG F
S498AD	RCP #31 STATUS		ON	
S498BD	RCP #32 STATUS		ON	
S498CD	RCP #33 STATUS		ON	
S498DD	RCP #34 STATUS		ON	
U0483	PRESSURIZER LEVEL 1/2/3 AVG		44.7	PCT
FT-128	CHARGING PUMP DISCHARGE FLOW		47.9	GPM
LT-417D	STEAM GENERATOR #31 W.R. LEVEL		52.5	PCT
LT-427D	STEAM GENERATOR #32 W.R. LEVEL		52.5	PCT
LT-437D	STEAM GENERATOR #33 W.R. LEVEL		52.5	PCT
LT-447D	STEAM GENERATOR #34 W.R. LEVEL		52.5	PCT
U0414	STM GEN A STM P 1/2/3 AVG		733.8	PSIG
U0434	STM GEN B STM P 1/2/3 AVG		733.8	PSIG
U0454	STM GEN C STM P 1/2/3 AVG		733.8	PSIG
U0474	STM GEN D STM P 1/2/3 AVG		733.8	PSIG
U1000	CONTAINMENT P 1/2/3 AVG		0.2	PSIG
FT1200	AUX FD FLOW TO SG #31		0.0	GPM
FT1201	AUX FD FLOW TO SG #32		0.0	GPM
FT1202	AUX FD FLOW TO SG #33		0.0	GPM
FT1203	AUX FD FLOW TO SG #34		0.0	GPM
LT1128	CONDENSATE STORAGE TANK LEVEL		28.1	FT
LT1128A	CONDENSATE STORAGE TANK LEVEL		28.1	FT
TC-1416	CONTAINMENT AVG TEMPERATURE		82.9	DEG F
LT-1255	CONTAINMENT SUMP LEVEL		40.9	FT
LT-1256	CONTAINMENT SUMP LEVEL		40.9	FT
LT-1251	RECIRCULATION SUMP LEVEL		34.3	FT
LT-1252	RECIRCULATION SUMP LEVEL		34.3	FT
LT-920	RWST LEVEL		36.1	FT
LT-931	CHEMICAL SPRAY ADDITIVE TANK LVL		83.4	PCT
HC-MCA	CONTAINMENT H2 CONCENTRATION		0.0	PCT
HC-MCB	CONTAINMENT H2 CONCENTRATION		0.0	PCT
LR002A	RVLIS DYNAMIC HEAD RANGE		100.0	PCT
LR002B	RVLIS DYNAMIC HEAD RANGE		100.0	PCT
LR001A	RVLIS FULL RANGE	U	0.0	PCT
LR001B	RVLIS FULL RANGE	U	0.0	PCT
N-35	INTERMEDIATE RANGE DETECTOR		2.0E-04	AMPS
N-36	INTERMEDIATE RANGE DETECTOR		2.0E-04	AMPS
KISUR	INTERMEDIATE RANGE START-UP RATE		0.0	DECPM
N-31	SOURCE RANGE DETECTOR		0.0	CPS
N-32	SOURCE RANGE DETECTOR		0.0	CPS
KSSUR	SOURCE RANGE START-UP RATE		0.0	DECPM
U1169	PWR RNG NUCL CHANNEL RMP AVG Q		100.0	PCT

- DRILL INFORMATION ONLY -

#2

EP FORM 31b

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
0745

	PARAMETER		VALUE	
R01	CONTROL ROOM RAD		0.000E+00	MR/HR
R02	AREA 2 RADIATION		7.000E-01	MR/HR
R04	CHARGING PUMP ROOM		1.000E-01	MR/HR
R05	FUEL STORAGE BUILDING RAD		2.000E-01	MR/HR
R06	SAMPLE ROOM RAD		6.000E-01	MR/HR
R07	IN CORE INS ROOM RAD		3.000E+00	MR/HR
R08	DRUMMING STATION RAD		8.000E-01	MR/HR
R10	STEAM LINE PENETRATIONS RAD		0.000E+00	R/HR
R11	CNMT AIR PARTICLE RADIATION		2.200E-10	UCI/CC
R12	CONTAINMENT GAS RADIATION		1.400E-06	UCI/CC
R13	PLANT VENT AIR PARTICLE RAD		1.000E+03	CPM
R14	AUX BUILDING EXHAUST RAD		1.500E+03	CPM
R15	STEAM AIR EJECT EXHAUST RAD	A	2.500E-04	UCI/CC
R16A	CNMT CLNG HX SVC WTR OUT 1R		1.000E-07	UCI/CC
R16B	CNMT CLNG HX SVC WTR OUT 2R		1.000E-07	UCI/CC
R17A	CMPT CLG PUMP SUCT A HEADER RAD		3.000E+02	CPM
R17B	CMPT CLG PUMP SUCT B HEADER RAD		4.000E+02	CPM
R18	LIQUID WASTE DISPOSAL RADIATION		3.500E-06	UCI/CC
R19	STM GENER BLOWDOWN DRAIN 2 RAD		7.100E-06	UCI/CC
R23	CCW SERVICE WATER EFFLUENT		1.000E-07	UCI/CC
R25	CONTAINMENT HIGH RAD MONITOR 1		9.200E-02	R/HR
R26	CONTAINMENT HIGH RAD MONITOR 2		9.200E-02	R/HR
R27	PLANT VENT RADIATION		6.800E-08	UCI/S
Y9051A	STACK DISCHARGE AIR FLOW		60.0	KCFM
R59	RAMS BUILDING NOBLE GAS MONITOR		5.100E-09	UCI/CC
R62A	31 MAIN STEAM LINE		2.000E-04	UCI/CC
R62B	32 MAIN STEAM LINE		4.000E-04	UCI/CC
R62C	33 MAIN STEAM LINE		2.000E-04	UCI/CC
R62D	34 MAIN STEAM LINE		2.000E-04	UCI/CC
R63A	GROSS FAILED FUEL DETECTOR R63A		9.100E-03	UCI/CC
R63B	GROSS FAILED FUEL DETECTOR R63B		9.100E-03	UCI/CC
R64	PAB 55 FT AREA MONITOR		1.000E-02	MR/HR
R65	PAB 73 FT AREA MONITOR		1.000E-01	MR/HR
R66	PAB 34 FT AREA MONITOR		1.000E-01	MR/HR
R67	PAB 41 FT AREA MONITOR		2.000E-01	MR/HR
R68	PAB 15 FT AREA MONITOR		3.000E+00	MR/HR
R69	PIPE PEN 54 FT AREA MONITOR		4.000E+00	MR/HR
R70	FAN HOUSE 77 FT AREA MONITOR		1.000E-01	MR/HR

A - IN ALARM
U - UNAVAILABLE OR OUT-OF-RANGE
E - ENTERED VALUE
X - OUT OF ALARM CHECKING
S - OUT OF SCAN

- DRILL INFORMATION ONLY -

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 0800

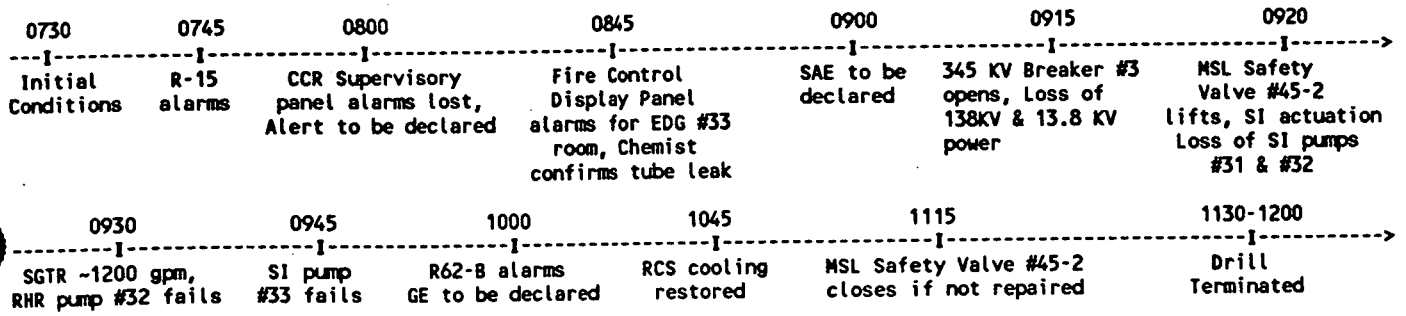
INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 3

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR and All Controllers	Plant status per plant status log #3. Supervisory panel alarms are lost.	CCR operators request I&C to investigate and repair. CCR operators may classify the emergency as a SAE due to a transient (SGT leak) and the loss of supervisory alarms.	Alert should be declared within 15 min.

NOTE: The action to declare a SAE at this time will be allowed.

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



NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 0800

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 3

- Plant status per plant status log #3.
- Supervisory panel alarms are lost.

- THIS IS A DRILL -

#3

EP FORM 31a

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
0800

	PARAMETER		VALUE	
U1170	INCORE T/C TIME AVG VALUE		599.6	DEG F
U0090	INST VALUE OF HOTTEST INCORE T/C		622.8	DEG F
U0484	RCL AVG TAVG		566.6	DEG F
U0486	RCL HOT AVG T		595.3	DEG F
PT-402	RCS PRESSURE - LOOP 1		2235.4	PSIG
PT-403	RCS PRESSURE - LOOP 4		2235.4	PSIG
KHTMARCS	LOWEST RCS TEMP SAT MARGIN		57.2	DEG F
TMARCETA	CET TEMP SAT MAR		57.2	DEG F
S498AD	RCP #31 STATUS		ON	
S498BD	RCP #32 STATUS		ON	
S498CD	RCP #33 STATUS		ON	
S498DD	RCP #34 STATUS		ON	
U0483	PRESSURIZER LEVEL 1/2/3 AVG		44.5	PCT
FT-128	CHARGING PUMP DISCHARGE FLOW		47.9	GPM
LT-417D	STEAM GENERATOR #31 W.R. LEVEL		52.5	PCT
LT-427D	STEAM GENERATOR #32 W.R. LEVEL		52.5	PCT
LT-437D	STEAM GENERATOR #33 W.R. LEVEL		52.5	PCT
LT-447D	STEAM GENERATOR #34 W.R. LEVEL		52.5	PCT
U0414	STM GEN A STM P 1/2/3 AVG		733.8	PSIG
U0434	STM GEN B STM P 1/2/3 AVG		733.7	PSIG
U0454	STM GEN C STM P 1/2/3 AVG		733.7	PSIG
U0474	STM GEN D STM P 1/2/3 AVG		733.7	PSIG
U1000	CONTAINMENT P 1/2/3 AVG		0.2	PSIG
FT1200	AUX FD FLOW TO SG #31		0.0	GPM
FT1201	AUX FD FLOW TO SG #32		0.0	GPM
FT1202	AUX FD FLOW TO SG #33		0.0	GPM
FT1203	AUX FD FLOW TO SG #34		0.0	GPM
LT1128	CONDENSATE STORAGE TANK LEVEL		28.1	FT
LT1128A	CONDENSATE STORAGE TANK LEVEL		28.1	FT
TC-1416	CONTAINMENT AVG TEMPERATURE		82.9	DEG F
LT-1255	CONTAINMENT SUMP LEVEL		40.9	FT
LT-1256	CONTAINMENT SUMP LEVEL		40.9	FT
LT-1251	RECIRCULATION SUMP LEVEL		34.3	FT
LT-1252	RECIRCULATION SUMP LEVEL		34.3	FT
LT-920	RWST LEVEL		36.1	FT
LT-931	CHEMICAL SPRAY ADDITIVE TANK LVL		83.4	PCT
HC-MCA	CONTAINMENT H2 CONCENTRATION		0.0	PCT
HC-MCB	CONTAINMENT H2 CONCENTRATION		0.0	PCT
LR002A	RVLIS DYNAMIC HEAD RANGE		100.0	PCT
LR002B	RVLIS DYNAMIC HEAD RANGE		100.0	PCT
LR001A	RVLIS FULL RANGE	U	0.0	PCT
LR001B	RVLIS FULL RANGE	U	0.0	PCT
N-35	INTERMEDIATE RANGE DETECTOR		2.0E-04	AMPS
N-36	INTERMEDIATE RANGE DETECTOR		2.0E-04	AMPS
KISUR	INTERMEDIATE RANGE START-UP RATE		0.0	DECPM
N-31	SOURCE RANGE DETECTOR		0.0	CPS
N-32	SOURCE RANGE DETECTOR		0.0	CPS
KSSUR	SOURCE RANGE START-UP RATE		0.0	DECPM
U1169	PWR RNG NUCL CHANNEL RMP AVG Q		100.0	PCT

- DRILL INFORMATION ONLY -

#3

EP FORM 31b

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
0800

	PARAMETER		VALUE	
R01	CONTROL ROOM RAD		0.000E+00	MR/HR
R02	AREA 2 RADIATION		7.000E-01	MR/HR
R04	CHARGING PUMP ROOM		1.000E-01	MR/HR
R05	FUEL STORAGE BUILDING RAD		2.000E-01	MR/HR
R06	SAMPLE ROOM RAD		6.000E-01	MR/HR
R07	IN CORE INS ROOM RAD		3.000E+00	MR/HR
R08	DRUMMING STATION RAD		8.000E-01	MR/HR
R10	STEAM LINE PENETRATIONS RAD		0.000E+00	R/HR
R11	CNMT AIR PARTICLE RADIATION		2.200E-10	UCI/CC
R12	CONTAINMENT GAS RADIATION		1.400E-06	UCI/CC
R13	PLANT VENT AIR PARTICLE RAD		1.000E+03	CPM
R14	AUX BUILDING EXHAUST RAD		1.500E+03	CPM
R15	STEAM AIR EJECT EXHAUST RAD	A	2.500E-04	UCI/CC
R16A	CNMT CLNG HX SVC WTR OUT 1R		1.000E-07	UCI/CC
R16B	CNMT CLNG HX SVC WTR OUT 2R		1.000E-07	UCI/CC
R17A	CMPT CLG PUMP SUCT A HEADER RAD		3.000E+02	CPM
R17B	CMPT CLG PUMP SUCT B HEADER RAD		4.000E+02	CPM
R18	LIQUID WASTE DISPOSAL RADIATION		3.500E-06	UCI/CC
R19	STM GENER BLOWDOWN DRAIN 2 RAD		8.800E-06	UCI/CC
R23	CCW SERVICE WATER EFFLUENT		1.000E-07	UCI/CC
R25	CONTAINMENT HIGH RAD MONITOR 1		9.200E-02	R/HR
R26	CONTAINMENT HIGH RAD MONITOR 2		9.200E-02	R/HR
R27	PLANT VENT RADIATION		6.800E-08	UCI/S
Y9051A	STACK DISCHARGE AIR FLOW		60.0	KCFM
R59	RAMS BUILDING NOBLE GAS MONITOR		5.100E-09	UCI/CC
R62A	31 MAIN STEAM LINE		2.000E-04	UCI/CC
R62B	32 MAIN STEAM LINE		4.000E-04	UCI/CC
R62C	33 MAIN STEAM LINE		2.000E-04	UCI/CC
R62D	34 MAIN STEAM LINE		2.000E-04	UCI/CC
R63A	GROSS FAILED FUEL DETECTOR R63A		9.100E-03	UCI/CC
R63B	GROSS FAILED FUEL DETECTOR R63B		9.100E-03	UCI/CC
R64	PAB 55 FT AREA MONITOR		1.000E-02	MR/HR
R65	PAB 73 FT AREA MONITOR		1.000E-01	MR/HR
R66	PAB 34 FT AREA MONITOR		1.000E-01	MR/HR
R67	PAB 41 FT AREA MONITOR		2.000E-01	MR/HR
R68	PAB 15 FT AREA MONITOR		3.000E+00	MR/HR
R69	PIPE PEN 54 FT AREA MONITOR		4.000E+00	MR/HR
R70	FAN HOUSE 77 FT AREA MONITOR		1.000E-01	MR/HR

A - IN ALARM
U - UNAVAILABLE OR OUT-OF-RANGE
E - ENTERED VALUE
X - OUT OF ALARM CHECKING
S - OUT OF SCAN

- DRILL INFORMATION ONLY -

EP-FORM #31C

IP-3 EQUIPMENT STATUS LOG

DATE: 07/21/93
TIME: 0800

#3

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1	X			
	#32 4	X			
	#33 3	X			
	#34 2	X			
Emergency D/Gs	#31 2A		X		
	#32 6A		X		
	#33 5A		X		
Offsite Power Available	138V	X			
	13.8KV		X		
Gas Turbines (Con Edison)	GT-1		X		
	GT-2		X		
	GT-3		X		
SIS Pumps	#31 5A		X		
	#32 2A		X		
	#33 6A		X		
High Head SIS Flow	#31(GPM)		Ø		
	#32(GPM)		Ø		
	#33(GPM)		Ø		
	#34(GPM)		Ø		
RHR Pumps	#31 3A		X		
	#32 6A		X		
Recirc. Pumps	#31 5A		X		
	#32 6A		X		
Low Head SIS Flow	#31(GPM)		Ø		
	#32(GPM)		Ø		
	#33(GPM)		Ø		
	#34(GPM)		Ø		
Accum. Level	#31 (%)		35		
	#32 (%)		33		
	#33 (%)		34		
	#34 (%)		34		

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
RHR Heat Exchangers	#31		X		
	#32		X		
Component Cooling Heat Exchangers	#31	X			
	#32	X			
Hydrogen Recombiner	#31 2A		X		
	#32 6A		X		
Fan Cooler Units	#31 5A		X		
	#32 2A	X			
	#33 5A	X			
	#34 3A	X			
	#35 6A	X			
Aux. Boiler Feed Pumps	#31 3A		X		
	#32		X		
	#33 6A		X		
Containment Spray Pumps	#31 5A		X		
	#32 6A		X		
Charging Pumps	#31 5A	X			
	#32 3A		X		
	#33 6A		X		
Component Cooling Pumps	#31 5A	X			
	#32 2A		X		
	#33 6A	X			
Aux. Component Cooling Pumps	#31 5A		X		
	#32 6A		X		
	#33 5A		X		
	#34 6A		X		
Appendix 'R' D/G			X		

PARAMETER	BUS #	STATUS O	S	OS	ESSENTIAL	NON-ESSENTIAL
Service Water Pumps	#31 5A		X		X	
	#32 2A		X		X	
	#33 6A	X			X	
	#34 5A		X			X
	#35 3A	X				X
	#36 6A	X				X

VC Isolation Valves (Phase A/B valves which are not in required position.)

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM.

S = STANDBY
O = OPERATING
OS = OUT OF SERVICE

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

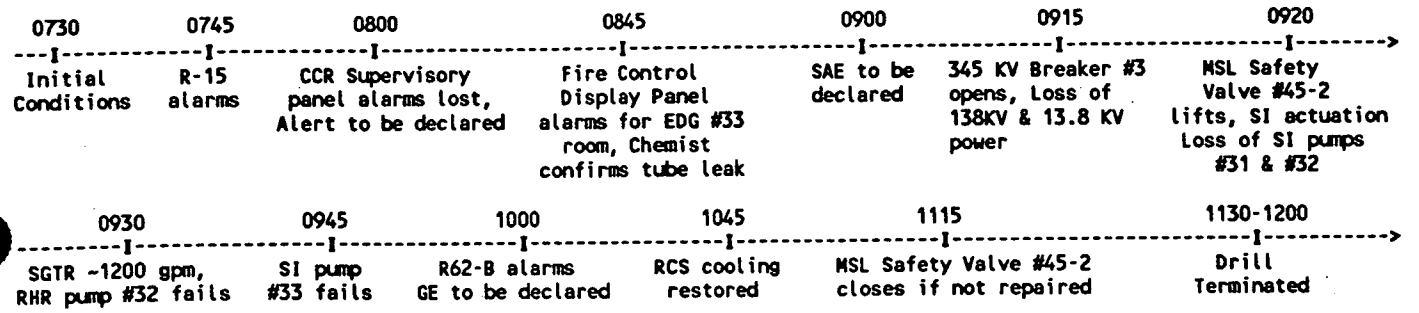
DATE: July 21, 1993 **TIME:** 0815

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 4

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR and All Controllers	Plant status per plant status log #4.	ERF's being activated. If SAE declared, accountability in progress.	Alert (SAE may be declared)

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



NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 0815

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 4

- Plant status per plant status log #4.

- THIS IS A DRILL -

#4

EP FORM 31a

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
0815

PARAMETER		VALUE		
U1170	INCORE T/C TIME AVG VALUE		599.6	DEG F
U0090	INST VALUE OF HOTTEST INCORE T/C		622.8	DEG F
U0484	RCL AVG TAVG		566.6	DEG F
U0486	RCL HOT AVG T		595.3	DEG F
PT-402	RCS PRESSURE - LOOP 1		2235.4	PSIG
PT-403	RCS PRESSURE - LOOP 4		2235.4	PSIG
KHTMARCS	LOWEST RCS TEMP SAT MARGIN		57.3	DEG F
TMARCETA	CET TEMP SAT MAR		57.3	DEG F
S498AD	RCP #31 STATUS		ON	
S498BD	RCP #32 STATUS		ON	
S498CD	RCP #33 STATUS		ON	
S498DD	RCP #34 STATUS		ON	
U0483	PRESSURIZER LEVEL 1/2/3 AVG		44.3	PCT
FT-128	CHARGING PUMP DISCHARGE FLOW		47.9	GPM
LT-417D	STEAM GENERATOR #31 W.R. LEVEL		52.5	PCT
LT-427D	STEAM GENERATOR #32 W.R. LEVEL		52.5	PCT
LT-437D	STEAM GENERATOR #33 W.R. LEVEL		52.5	PCT
LT-447D	STEAM GENERATOR #34 W.R. LEVEL		52.5	PCT
U0414	STM GEN A STM P 1/2/3 AVG		733.6	PSIG
U0434	STM GEN B STM P 1/2/3 AVG		733.6	PSIG
U0454	STM GEN C STM P 1/2/3 AVG		733.6	PSIG
U0474	STM GEN D STM P 1/2/3 AVG		733.6	PSIG
U1000	CONTAINMENT P 1/2/3 AVG		0.2	PSIG
FT1200	AUX FD FLOW TO SG #31		0.0	GPM
FT1201	AUX FD FLOW TO SG #32		0.0	GPM
FT1202	AUX FD FLOW TO SG #33		0.0	GPM
FT1203	AUX FD FLOW TO SG #34		0.0	GPM
LT1128	CONDENSATE STORAGE TANK LEVEL		28.1	FT
LT1128A	CONDENSATE STORAGE TANK LEVEL		28.1	FT
TC-1416	CONTAINMENT AVG TEMPERATURE		82.9	DEG F
LT-1255	CONTAINMENT SUMP LEVEL		40.9	FT
LT-1256	CONTAINMENT SUMP LEVEL		40.9	FT
LT-1251	RECIRCULATION SUMP LEVEL		34.3	FT
LT-1252	RECIRCULATION SUMP LEVEL		34.3	FT
LT-920	RWST LEVEL		36.1	FT
LT-931	CHEMICAL SPRAY ADDITIVE TANK LVL		83.4	PCT
HC-MCA	CONTAINMENT H2 CONCENTRATION		0.0	PCT
HC-MCB	CONTAINMENT H2 CONCENTRATION		0.0	PCT
LR002A	RVLIS DYNAMIC HEAD RANGE		100.0	PCT
LR002B	RVLIS DYNAMIC HEAD RANGE		100.0	PCT
LR001A	RVLIS FULL RANGE	U	0.0	PCT
LR001B	RVLIS FULL RANGE	U	0.0	PCT
N-35	INTERMEDIATE RANGE DETECTOR		2.0E-04	AMPS
N-36	INTERMEDIATE RANGE DETECTOR		2.0E-04	AMPS
KISUR	INTERMEDIATE RANGE START-UP RATE		0.0	DECPM
N-31	SOURCE RANGE DETECTOR		0.0	CPS
N-32	SOURCE RANGE DETECTOR		0.0	CPS
KSSUR	SOURCE RANGE START-UP RATE		0.0	DECPM
U1169	PWR RNG NUCL CHANNEL RMP AVG Q		100.0	PCT

- DRILL INFORMATION ONLY -

#4

EP FORM 31b | INDIAN POINT UNIT 3 | 07/21/93
EMERGENCY PLANT STATUS REPORT | 0815

	PARAMETER		VALUE	
R01	CONTROL ROOM RAD		0.000E+00	MR/HR
R02	AREA 2 RADIATION		7.000E-01	MR/HR
R04	CHARGING PUMP ROOM		1.000E-01	MR/HR
R05	FUEL STORAGE BUILDING RAD		2.000E-01	MR/HR
R06	SAMPLE ROOM RAD		6.000E-01	MR/HR
R07	IN CORE INS ROOM RAD		3.000E+00	MR/HR
R08	DRUMMING STATION RAD		8.000E-01	MR/HR
R10	STEAM LINE PENETRATIONS RAD		0.000E+00	R/HR
R11	CNMT AIR PARTICLE RADIATION		2.200E-10	UCI/CC
R12	CONTAINMENT GAS RADIATION		1.400E-06	UCI/CC
R13	PLANT VENT AIR PARTICLE RAD		1.000E+03	CPM
R14	AUX BUILDING EXHAUST RAD		1.500E+03	CPM
R15	STEAM AIR EJECT EXHAUST RAD	A	2.500E-04	UCI/CC
R16A	CNMT CLNG HX SVC WTR OUT 1R		1.000E-07	UCI/CC
R16B	CNMT CLNG HX SVC WTR OUT 2R		1.000E-07	UCI/CC
R17A	CMPT CLG PUMP SUCT A HEADER RAD		3.000E+02	CPM
R17B	CMPT CLG PUMP SUCT B HEADER RAD		4.000E+02	CPM
R18	LIQUID WASTE DISPOSAL RADIATION		3.500E-06	UCI/CC
R19	STM GENER BLOWDOWN DRAIN 2 RAD		9.600E-06	UCI/CC
R23	CCW SERVICE WATER EFFLUENT		1.000E-07	UCI/CC
R25	CONTAINMENT HIGH RAD MONITOR 1		9.200E-02	R/HR
R26	CONTAINMENT HIGH RAD MONITOR 2		9.200E-02	R/HR
R27	PLANT VENT RADIATION		6.800E-08	UCI/S
Y9051A	STACK DISCHARGE AIR FLOW		60.0	KCFM
R59	RAMS BUILDING NOBLE GAS MONITOR		5.100E-09	UCI/CC
R62A	31 MAIN STEAM LINE		2.000E-04	UCI/CC
R62B	32 MAIN STEAM LINE		4.000E-04	UCI/CC
R62C	33 MAIN STEAM LINE		2.000E-04	UCI/CC
R62D	34 MAIN STEAM LINE		2.000E-04	UCI/CC
R63A	GROSS FAILED FUEL DETECTOR R63A		9.100E-03	UCI/CC
R63B	GROSS FAILED FUEL DETECTOR R63B		9.100E-03	UCI/CC
R64	PAB 55 FT AREA MONITOR		1.000E-02	MR/HR
R65	PAB 73 FT AREA MONITOR		1.000E-01	MR/HR
R66	PAB 34 FT AREA MONITOR		1.000E-01	MR/HR
R67	PAB 41 FT AREA MONITOR		2.000E-01	MR/HR
R68	PAB 15 FT AREA MONITOR		3.000E+00	MR/HR
R69	PIPE PEN 54 FT AREA MONITOR		4.000E+00	MR/HR
R70	FAN HOUSE 77 FT AREA MONITOR		1.000E-01	MR/HR

A - IN ALARM
U - UNAVAILABLE OR OUT-OF-RANGE
E - ENTERED VALUE
X - OUT OF ALARM CHECKING
S - OUT OF SCAN

- DRILL INFORMATION ONLY -

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

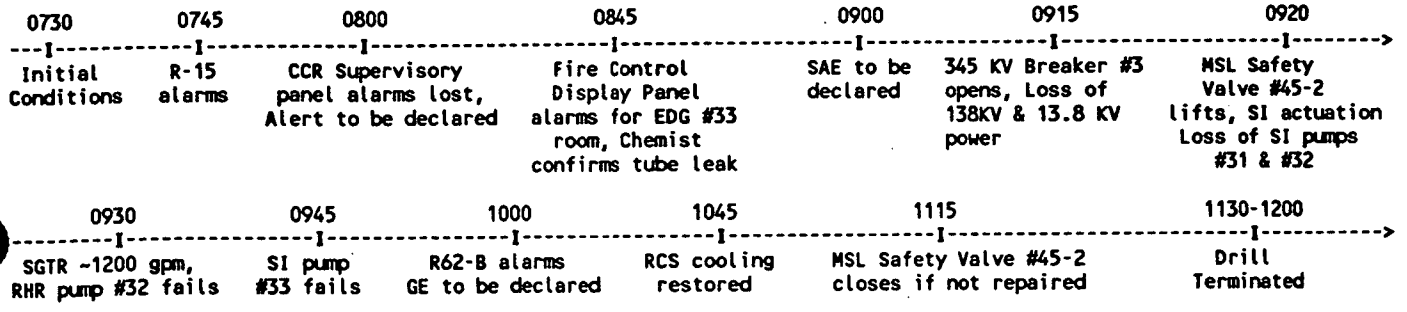
DATE: July 21, 1993 **TIME:** 0830

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 5

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR and All Controllers	Plant status per plant status log #5. R-19 SG BLWDN alarm.		Alert (SAE may be declared)

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



NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 0830

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 5

- Plant status per plant status log #5.
- R-19 SG BLWDN alarm.

- THIS IS A DRILL -

#5

EP FORM 31a

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
0830

	PARAMETER		VALUE	
U1170	INCORE T/C TIME AVG VALUE		599.6	DEG F
U0090	INST VALUE OF HOTTEST INCORE T/C		622.8	DEG F
U0484	RCL AVG TAVG		566.6	DEG F
U0486	RCL HOT AVG T		595.3	DEG F
PT-402	RCS PRESSURE - LOOP 1		2235.4	PSIG
PT-403	RCS PRESSURE - LOOP 4		2235.4	PSIG
KHTMARCS	LOWEST RCS TEMP SAT MARGIN		57.3	DEG F
TMARCETA	CET TEMP SAT MAR		57.3	DEG F
S498AD	RCP #31 STATUS		ON	
S498BD	RCP #32 STATUS		ON	
S498CD	RCP #33 STATUS		ON	
S498DD	RCP #34 STATUS		ON	
U0483	PRESSURIZER LEVEL 1/2/3 AVG		44.3	PCT
FT-128	CHARGING PUMP DISCHARGE FLOW		47.9	GPM
LT-417D	STEAM GENERATOR #31 W.R. LEVEL		52.5	PCT
LT-427D	STEAM GENERATOR #32 W.R. LEVEL		52.5	PCT
LT-437D	STEAM GENERATOR #33 W.R. LEVEL		52.5	PCT
LT-447D	STEAM GENERATOR #34 W.R. LEVEL		52.5	PCT
U0414	STM GEN A STM P 1/2/3 AVG		733.6	PSIG
U0434	STM GEN B STM P 1/2/3 AVG		733.6	PSIG
U0454	STM GEN C STM P 1/2/3 AVG		733.6	PSIG
U0474	STM GEN D STM P 1/2/3 AVG		733.6	PSIG
U1000	CONTAINMENT P 1/2/3 AVG		0.2	PSIG
FT1200	AUX FD FLOW TO SG #31		0.0	GPM
FT1201	AUX FD FLOW TO SG #32		0.0	GPM
FT1202	AUX FD FLOW TO SG #33		0.0	GPM
FT1203	AUX FD FLOW TO SG #34		0.0	GPM
LT1128	CONDENSATE STORAGE TANK LEVEL		28.1	FT
LT1128A	CONDENSATE STORAGE TANK LEVEL		28.1	FT
TC-1416	CONTAINMENT AVG TEMPERATURE		82.9	DEG F
LT-1255	CONTAINMENT SUMP LEVEL		40.9	FT
LT-1256	CONTAINMENT SUMP LEVEL		40.9	FT
LT-1251	RECIRCULATION SUMP LEVEL		34.3	FT
LT-1252	RECIRCULATION SUMP LEVEL		34.3	FT
LT-920	RWST LEVEL		36.1	FT
LT-931	CHEMICAL SPRAY ADDITIVE TANK LVL		83.4	PCT
HC-MCA	CONTAINMENT H2 CONCENTRATION		0.0	PCT
HC-MCB	CONTAINMENT H2 CONCENTRATION		0.0	PCT
LR002A	RVLIS DYNAMIC HEAD RANGE		100.0	PCT
LR002B	RVLIS DYNAMIC HEAD RANGE		100.0	PCT
LR001A	RVLIS FULL RANGE	U	0.0	PCT
LR001B	RVLIS FULL RANGE	U	0.0	PCT
N-35	INTERMEDIATE RANGE DETECTOR		2.0E-04	AMPS
N-36	INTERMEDIATE RANGE DETECTOR		2.0E-04	AMPS
KISUR	INTERMEDIATE RANGE START-UP RATE		0.0	DECPM
N-31	SOURCE RANGE DETECTOR		0.0	CPS
N-32	SOURCE RANGE DETECTOR		0.0	CPS
KSSUR	SOURCE RANGE START-UP RATE		0.0	DECPM
U1169	PWR RNG NUCL CHANNEL RMP AVG Q		100.0	PCT

- DRILL INFORMATION ONLY -

#5

EP FORM 31b

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
0830

	PARAMETER		VALUE	
R01	CONTROL ROOM RAD		0.000E+00	MR/HR
R02	AREA 2 RADIATION		7.000E-01	MR/HR
R04	CHARGING PUMP ROOM		1.000E-01	MR/HR
R05	FUEL STORAGE BUILDING RAD		2.000E-01	MR/HR
R06	SAMPLE ROOM RAD		6.000E-01	MR/HR
R07	IN CORE INS ROOM RAD		3.000E+00	MR/HR
R08	DRUMMING STATION RAD		8.000E-01	MR/HR
R10	STEAM LINE PENETRATIONS RAD		0.000E+00	R/HR
R11	CNMT AIR PARTICLE RADIATION		2.200E-10	UCI/CC
R12	CONTAINMENT GAS RADIATION		1.400E-06	UCI/CC
R13	PLANT VENT AIR PARTICLE RAD		1.000E+03	CPM
R14	AUX BUILDING EXHAUST RAD		1.500E+03	CPM
R15	STEAM AIR EJECT EXHAUST RAD	A	2.500E-04	UCI/CC
R16A	CNMT CLNG HX SVC WTR OUT 1R		1.000E-07	UCI/CC
R16B	CNMT CLNG HX SVC WTR OUT 2R		1.000E-07	UCI/CC
R17A	CMPT CLG PUMP SUCT A HEADER RAD		3.000E+02	CPM
R17B	CMPT CLG PUMP SUCT B HEADER RAD		4.000E+02	CPM
R18	LIQUID WASTE DISPOSAL RADIATION		3.500E-06	UCI/CC
R19	STM GENER BLOWDOWN DRAIN 2 RAD	A	1.000E-05	UCI/CC
R23	CCW SERVICE WATER EFFLUENT		1.000E-07	UCI/CC
R25	CONTAINMENT HIGH RAD MONITOR 1		9.200E-02	R/HR
R26	CONTAINMENT HIGH RAD MONITOR 2		9.200E-02	R/HR
R27	PLANT VENT RADIATION		6.800E-08	UCI/S
Y9051A	STACK DISCHARGE AIR FLOW		60.0	KCFM
R59	RAMS BUILDING NOBLE GAS MONITOR		5.100E-09	UCI/CC
R62A	31 MAIN STEAM LINE		2.000E-04	UCI/CC
R62B	32 MAIN STEAM LINE		4.000E-04	UCI/CC
R62C	33 MAIN STEAM LINE		2.000E-04	UCI/CC
R62D	34 MAIN STEAM LINE		2.000E-04	UCI/CC
R63A	GROSS FAILED FUEL DETECTOR R63A		9.100E-03	UCI/CC
R63B	GROSS FAILED FUEL DETECTOR R63B		9.100E-03	UCI/CC
R64	PAB 55 FT AREA MONITOR		1.000E-02	MR/HR
R65	PAB 73 FT AREA MONITOR		1.000E-01	MR/HR
R66	PAB 34 FT AREA MONITOR		1.000E-01	MR/HR
R67	PAB 41 FT AREA MONITOR		2.000E-01	MR/HR
R68	PAB 15 FT AREA MONITOR		3.000E+00	MR/HR
R69	PIPE PEN 54 FT AREA MONITOR		4.000E+00	MR/HR
R70	FAN HOUSE 77 FT AREA MONITOR		1.000E-01	MR/HR

A - IN ALARM
U - UNAVAILABLE OR OUT-OF-RANGE
E - ENTERED VALUE
X - OUT OF ALARM CHECKING
S - OUT OF SCAN

- DRILL INFORMATION ONLY -

EP-FORM #31C

IP-3 EQUIPMENT STATUS LOG

#5

DATE: 07/21/93
TIME: 0830

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1	X			
	#32 4	X			
	#33 3	X			
	#34 2	X			
Emergency D/Gs	#31 2A		X		
	#32 6A		X		
	#33 5A		X		
Offsite Power Available	138V	X			
	13.8KV		X		
Gas Turbines (Con Edison)	GT-1		X		
	GT-2		X		
	GT-3		X		
SIS Pumps	#31 5A		X		
	#32 2A		X		
	#33 6A		X		
High Head SIS Flow	#31(GPM)		Ø		
	#32(GPM)		Ø		
	#33(GPM)		Ø		
	#34(GPM)		Ø		
RHR Pumps	#31 3A		X		
	#32 6A		X		
Recirc. Pumps	#31 5A		X		
	#32 6A		X		
Low Head SIS Flow	#31(GPM)		Ø		
	#32(GPM)		Ø		
	#33(GPM)		Ø		
	#34(GPM)		Ø		
Accum. Level	#31 (%)		35		
	#32 (%)		33		
	#33 (%)		34		
	#34 (%)		34		

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
RHR Heat Exchangers	#31		X		
	#32		X		
Component Cooling Heat Exchangers	#31	X			
	#32	X			
Hydrogen Recombiner	#31 2A		X		
	#32 6A		X		
Fan Cooler Units	#31 5A		X		
	#32 2A	X			
	#33 5A	X			
	#34 3A	X			
	#35 6A	X			
Aux. Boiler Feed Pumps	#31 3A		X		
	#32		X		
	#33 6A		X		
Containment Spray Pumps	#31 5A		X		
	#32 6A		X		
Charging Pumps	#31 5A	X			
	#32 3A		X		
	#33 6A		X		
Component Cooling Pumps	#31 5A	X			
	#32 2A		X		
	#33 6A	X			
Aux. Component Cooling Pumps	#31 5A		X		
	#32 6A		X		
	#33 5A		X		
	#34 6A		X		
Appendix 'R' D/G			X		

PARAMETER	BUS #	STATUS O	S	OS	ESSENTIAL	NON-ESSENTIAL
Service Water Pumps	#31 5A		X		X	
	#32 2A		X		X	
	#33 6A	X			X	
	#34 5A		X			X
	#35 3A	X				X
	#36 6A	X				X

VC Isolation Valves (Phase A/B valves which are not in required position.)

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM.

S - STANDBY
O - OPERATING
OS - OUT OF SERVICE

DEC 1992

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 0845

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 6

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR and All Controllers	Plant status per plant status log #6. Chemist notifies CCR that sample for SG #32 has elevated radioactivity levels - confirming tube leak of 0.1 gpm. The Fire Control & Display Panel alarms: Zone #277.	CCR operators refer to: ARP-26 ONOP-FP-1 Fire Brigade activation.	Alert (SAE may be declared)

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

0730	0745	0800	0845	0900	0915	0920
Initial Conditions	R-15 alarms	CCR Supervisory panel alarms lost, Alert to be declared	Fire Control Display Panel alarms for EDG #33 room, Chemist confirms tube leak	SAE to be declared	345 KV Breaker #3 opens, Loss of 138KV & 13.8 KV power	MSL Safety Valve #45-2 lifts, SI actuation Loss of SI pumps #31 & #32

0930	0945	1000	1045	1115	1130-1200
SGTR ~1200 gpm, RHR pump #32 fails	SI pump #33 fails	R62-B alarms GE to be declared	RCS cooling restored	MSL Safety Valve #45-2 closes if not repaired	Drill Terminated

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 0845

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 6

- Plant status per plant status log #6.
- Fire Control & Display Panel alarms: Zone #277.

- THIS IS A DRILL -

#6

EP FORM 31a

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
0845

PARAMETER		VALUE		
U1170	INCORE T/C TIME AVG VALUE		599.6	DEG F
U0090	INST VALUE OF HOTTEST INCORE T/C		622.8	DEG F
U0484	RCL AVG TAVG		566.6	DEG F
U0486	RCL HOT AVG T		595.3	DEG F
PT-402	RCS PRESSURE - LOOP 1		2235.4	PSIG
PT-403	RCS PRESSURE - LOOP 4		2235.4	PSIG
KHTMARCS	LOWEST RCS TEMP SAT MARGIN		57.3	DEG F
TMARCETA	CET TEMP SAT MAR		57.3	DEG F
S498AD	RCP #31 STATUS		ON	
S498BD	RCP #32 STATUS		ON	
S498CD	RCP #33 STATUS		ON	
S498DD	RCP #34 STATUS		ON	
U0483	PRESSURIZER LEVEL 1/2/3 AVG		44.3	PCT
FT-128	CHARGING PUMP DISCHARGE FLOW		47.9	GPM
LT-417D	STEAM GENERATOR #31 W.R. LEVEL		52.5	PCT
LT-427D	STEAM GENERATOR #32 W.R. LEVEL		52.5	PCT
LT-437D	STEAM GENERATOR #33 W.R. LEVEL		52.5	PCT
LT-447D	STEAM GENERATOR #34 W.R. LEVEL		52.5	PCT
U0414	STM GEN A STM P 1/2/3 AVG		733.6	PSIG
U0434	STM GEN B STM P 1/2/3 AVG		733.6	PSIG
U0454	STM GEN C STM P 1/2/3 AVG		733.6	PSIG
U0474	STM GEN D STM P 1/2/3 AVG		733.6	PSIG
U1000	CONTAINMENT P 1/2/3 AVG		0.2	PSIG
FT1200	AUX FD FLOW TO SG #31		0.0	GPM
FT1201	AUX FD FLOW TO SG #32		0.0	GPM
FT1202	AUX FD FLOW TO SG #33		0.0	GPM
FT1203	AUX FD FLOW TO SG #34		0.0	GPM
LT1128	CONDENSATE STORAGE TANK LEVEL		28.1	FT
LT1128A	CONDENSATE STORAGE TANK LEVEL		28.1	FT
TC-1416	CONTAINMENT AVG TEMPERATURE		82.9	DEG F
LT-1255	CONTAINMENT SUMP LEVEL		40.9	FT
LT-1256	CONTAINMENT SUMP LEVEL		40.9	FT
LT-1251	RECIRCULATION SUMP LEVEL		34.3	FT
LT-1252	RECIRCULATION SUMP LEVEL		34.3	FT
LT-920	RWST LEVEL		36.1	FT
LT-931	CHEMICAL SPRAY ADDITIVE TANK LVL		83.4	PCT
HC-MCA	CONTAINMENT H2 CONCENTRATION		0.0	PCT
HC-MCB	CONTAINMENT H2 CONCENTRATION		0.0	PCT
LR002A	RVLIS DYNAMIC HEAD RANGE		100.0	PCT
LR002B	RVLIS DYNAMIC HEAD RANGE		100.0	PCT
LR001A	RVLIS FULL RANGE	U	0.0	PCT
LR001B	RVLIS FULL RANGE	U	0.0	PCT
N-35	INTERMEDIATE RANGE DETECTOR		2.0E-04	AMPS
N-36	INTERMEDIATE RANGE DETECTOR		2.0E-04	AMPS
KISUR	INTERMEDIATE RANGE START-UP RATE		0.0	DECPM
N-31	SOURCE RANGE DETECTOR		0.0	CPS
N-32	SOURCE RANGE DETECTOR		0.0	CPS
KSSUR	SOURCE RANGE START-UP RATE		0.0	DECPM
U1169	PWR RNG NUCL CHANNEL RMP AVG Q		100.0	PCT

- DRILL INFORMATION ONLY -

#6

EP FORM 31b

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
0845

	PARAMETER		VALUE	
R01	CONTROL ROOM RAD		0.000E+00	MR/HR
R02	AREA 2 RADIATION		7.000E-01	MR/HR
R04	CHARGING PUMP ROOM		1.000E-01	MR/HR
R05	FUEL STORAGE BUILDING RAD		2.000E-01	MR/HR
R06	SAMPLE ROOM RAD		6.000E-01	MR/HR
R07	IN CORE INS ROOM RAD		3.000E+00	MR/HR
R08	DRUMMING STATION RAD		8.000E-01	MR/HR
R10	STEAM LINE PENETRATIONS RAD		0.000E+00	R/HR
R11	CNMT AIR PARTICLE RADIATION		2.200E-10	UCI/CC
R12	CONTAINMENT GAS RADIATION		1.400E-06	UCI/CC
R13	PLANT VENT AIR PARTICLE RAD		1.000E+03	CPM
R14	AUX BUILDING EXHAUST RAD		1.500E+03	CPM
R15	STEAM AIR EJECT EXHAUST RAD	A	2.500E-04	UCI/CC
R16A	CNMT CLNG HX SVC WTR OUT 1R		1.000E-07	UCI/CC
R16B	CNMT CLNG HX SVC WTR OUT 2R		1.000E-07	UCI/CC
R17A	CMPT CLG PUMP SUCT A HEADER RAD		3.000E+02	CPM
R17B	CMPT CLG PUMP SUCT B HEADER RAD		4.000E+02	CPM
R18	LIQUID WASTE DISPOSAL RADIATION		3.500E-06	UCI/CC
R19	STM GENER BLOWDOWN DRAIN 2 RAD	A	1.000E-05	UCI/CC
R23	CCW SERVICE WATER EFFLUENT		1.000E-07	UCI/CC
R25	CONTAINMENT HIGH RAD MONITOR 1		9.200E-02	R/HR
R26	CONTAINMENT HIGH RAD MONITOR 2		9.200E-02	R/HR
R27	PLANT VENT RADIATION		6.800E-08	UCI/S
Y9051A	STACK DISCHARGE AIR FLOW		60.0	KCFM
R59	RAMS BUILDING NOBLE GAS MONITOR		5.100E-09	UCI/CC
R62A	31 MAIN STEAM LINE		2.000E-04	UCI/CC
R62B	32 MAIN STEAM LINE		4.000E-04	UCI/CC
R62C	33 MAIN STEAM LINE		2.000E-04	UCI/CC
R62D	34 MAIN STEAM LINE		2.000E-04	UCI/CC
R63A	GROSS FAILED FUEL DETECTOR R63A		9.100E-03	UCI/CC
R63B	GROSS FAILED FUEL DETECTOR R63B		9.100E-03	UCI/CC
R64	PAB 55 FT AREA MONITOR		1.000E-02	MR/HR
R65	PAB 73 FT AREA MONITOR		1.000E-01	MR/HR
R66	PAB 34 FT AREA MONITOR		1.000E-01	MR/HR
R67	PAB 41 FT AREA MONITOR		2.000E-01	MR/HR
R68	PAB 15 FT AREA MONITOR		3.000E+00	MR/HR
R69	PIPE PEN 54 FT AREA MONITOR		4.000E+00	MR/HR
R70	FAN HOUSE 77 FT AREA MONITOR		1.000E-01	MR/HR

A - IN ALARM
U - UNAVAILABLE OR OUT-OF-RANGE
E - ENTERED VALUE
X - OUT OF ALARM CHECKING
S - OUT OF SCAN

- DRILL INFORMATION ONLY -

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 0900

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 7

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR and All Controllers	Plant status per plant status log #7. Fire Brigade reports that the fire damaged the air compressor and fuel day tank for EDG #33.	CCR operators are evaluating T.S.	SAE should be declared within 15 min.

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

0730	0745	0800	0845	0900	0915	0920
Initial Conditions	R-15 alarms	CCR Supervisory panel alarms lost, Alert to be declared	Fire Control Display Panel alarms for EDG #33 room, Chemist confirms tube leak	SAE to be declared	345 KV Breaker #3 opens, Loss of 138KV & 13.8 KV power	MSL Safety Valve #45-2 lifts, SI actuation Loss of SI pumps #31 & #32

0930	0945	1000	1045	1115	1130-1200
SGTR ~1200 gpm, RHR pump #32 fails	SI pump #33 fails	R62-B alarms GE to be declared	RCS cooling restored	MSL Safety Valve #45-2 closes if not repaired	Drill Terminated

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 0900

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 7

- Plant status per plant status log #7.

- THIS IS A DRILL -

#7

EP FORM 31a

INDIAN POINT UNIT 3 07/21/93
EMERGENCY PLANT STATUS REPORT 0900

	PARAMETER		VALUE	
U1170	INCORE T/C TIME AVG VALUE		599.6	DEG F
U0090	INST VALUE OF HOTTEST INCORE T/C		622.8	DEG F
U0484	RCL AVG TAVG		566.6	DEG F
U0486	RCL HOT AVG T		595.3	DEG F
PT-402	RCS PRESSURE - LOOP 1		2235.4	PSIG
PT-403	RCS PRESSURE - LOOP 4		2235.4	PSIG
KHTMARCS	LOWEST RCS TEMP SAT MARGIN		57.3	DEG F
TMARCETA	CET TEMP SAT MAR		57.3	DEG F
S498AD	RCP #31 STATUS		ON	
S498BD	RCP #32 STATUS		ON	
S498CD	RCP #33 STATUS		ON	
S498DD	RCP #34 STATUS		ON	
U0483	PRESSURIZER LEVEL 1/2/3 AVG		44.3	PCT
FT-128	CHARGING PUMP DISCHARGE FLOW		47.9	GPM
LT-417D	STEAM GENERATOR #31 W.R. LEVEL		52.5	PCT
LT-427D	STEAM GENERATOR #32 W.R. LEVEL		52.5	PCT
LT-437D	STEAM GENERATOR #33 W.R. LEVEL		52.5	PCT
LT-447D	STEAM GENERATOR #34 W.R. LEVEL		52.5	PCT
U0414	STM GEN A STM P 1/2/3 AVG		733.6	PSIG
U0434	STM GEN B STM P 1/2/3 AVG		733.6	PSIG
U0454	STM GEN C STM P 1/2/3 AVG		733.6	PSIG
U0474	STM GEN D STM P 1/2/3 AVG		733.6	PSIG
U1000	CONTAINMENT P 1/2/3 AVG		0.2	PSIG
FT1200	AUX FD FLOW TO SG #31		0.0	GPM
FT1201	AUX FD FLOW TO SG #32		0.0	GPM
FT1202	AUX FD FLOW TO SG #33		0.0	GPM
FT1203	AUX FD FLOW TO SG #34		0.0	GPM
LT1128	CONDENSATE STORAGE TANK LEVEL		28.1	FT
LT1128A	CONDENSATE STORAGE TANK LEVEL		28.1	FT
TC-1416	CONTAINMENT AVG TEMPERATURE		82.9	DEG F
LT-1255	CONTAINMENT SUMP LEVEL		40.9	FT
LT-1256	CONTAINMENT SUMP LEVEL		40.9	FT
LT-1251	RECIRCULATION SUMP LEVEL		34.3	FT
LT-1252	RECIRCULATION SUMP LEVEL		34.3	FT
LT-920	RWST LEVEL		36.1	FT
LT-931	CHEMICAL SPRAY ADDITIVE TANK LVL		83.4	PCT
HC-MCA	CONTAINMENT H2 CONCENTRATION		0.0	PCT
HC-MCB	CONTAINMENT H2 CONCENTRATION		0.0	PCT
LR002A	RVLIS DYNAMIC HEAD RANGE		100.0	PCT
LR002B	RVLIS DYNAMIC HEAD RANGE		100.0	PCT
LR001A	RVLIS FULL RANGE	U	0.0	PCT
LR001B	RVLIS FULL RANGE	U	0.0	PCT
N-35	INTERMEDIATE RANGE DETECTOR		2.0E-04	AMPS
N-36	INTERMEDIATE RANGE DETECTOR		2.0E-04	AMPS
KISUR	INTERMEDIATE RANGE START-UP RATE		0.0	DECPM
N-31	SOURCE RANGE DETECTOR		0.0	CPS
N-32	SOURCE RANGE DETECTOR		0.0	CPS
KSSUR	SOURCE RANGE START-UP RATE		0.0	DECPM
U1169	PWR RNG NUCL CHANNEL RMP AVG Q		100.0	PCT

- DRILL INFORMATION ONLY -

#7

EP FORM 31b

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
0900

	PARAMETER		VALUE	
R01	CONTROL ROOM RAD		0.000E+00	MR/HR
R02	AREA 2 RADIATION		7.000E-01	MR/HR
R04	CHARGING PUMP ROOM		1.000E-01	MR/HR
R05	FUEL STORAGE BUILDING RAD		2.000E-01	MR/HR
R06	SAMPLE ROOM RAD		6.000E-01	MR/HR
R07	IN CORE INS ROOM RAD		3.000E+00	MR/HR
R08	DRUMMING STATION RAD		8.000E-01	MR/HR
R10	STEAM LINE PENETRATIONS RAD		0.000E+00	R/HR
R11	CNMT AIR PARTICLE RADIATION		2.200E-10	UCI/CC
R12	CONTAINMENT GAS RADIATION		1.400E-06	UCI/CC
R13	PLANT VENT AIR PARTICLE RAD		1.000E+03	CPM
R14	AUX BUILDING EXHAUST RAD		1.500E+03	CPM
R15	STEAM AIR EJECT EXHAUST RAD	A	2.500E-04	UCI/CC
R16A	CNMT CLNG HX SVC WTR OUT 1R		1.000E-07	UCI/CC
R16B	CNMT CLNG HX SVC WTR OUT 2R		1.000E-07	UCI/CC
R17A	CMPT CLG PUMP SUCT A HEADER RAD		3.000E+02	CPM
R17B	CMPT CLG PUMP SUCT B HEADER RAD		4.000E+02	CPM
R18	LIQUID WASTE DISPOSAL RADIATION		3.500E-06	UCI/CC
R19	STM GENER BLOWDOWN DRAIN 2 RAD	A	1.000E-05	UCI/CC
R23	CCW SERVICE WATER EFFLUENT		1.000E-07	UCI/CC
R25	CONTAINMENT HIGH RAD MONITOR 1		9.200E-02	R/HR
R26	CONTAINMENT HIGH RAD MONITOR 2		9.200E-02	R/HR
R27	PLANT VENT RADIATION		6.800E-08	UCI/S
Y9051A	STACK DISCHARGE AIR FLOW		60.0	KCFM
R59	RAMS BUILDING NOBLE GAS MONITOR		5.100E-09	UCI/CC
R62A	31 MAIN STEAM LINE		2.000E-04	UCI/CC
R62B	32 MAIN STEAM LINE		4.000E-04	UCI/CC
R62C	33 MAIN STEAM LINE		2.000E-04	UCI/CC
R62D	34 MAIN STEAM LINE		2.000E-04	UCI/CC
R63A	GROSS FAILED FUEL DETECTOR R63A		9.100E-03	UCI/CC
R63B	GROSS FAILED FUEL DETECTOR R63B		9.100E-03	UCI/CC
R64	PAB 55 FT AREA MONITOR		1.000E-02	MR/HR
R65	PAB 73 FT AREA MONITOR		1.000E-01	MR/HR
R66	PAB 34 FT AREA MONITOR		1.000E-01	MR/HR
R67	PAB 41 FT AREA MONITOR		2.000E-01	MR/HR
R68	PAB 15 FT AREA MONITOR		3.000E+00	MR/HR
R69	PIPE PEN 54 FT AREA MONITOR		4.000E+00	MR/HR
R70	FAN HOUSE 77 FT AREA MONITOR		1.000E-01	MR/HR

A - IN ALARM
U - UNAVAILABLE OR OUT-OF-RANGE
E - ENTERED VALUE
X - OUT OF ALARM CHECKING
S - OUT OF SCAN

- DRILL INFORMATION ONLY -

EP-FORM #31C

IP-3 EQUIPMENT STATUS LOG

DATE: 07/21/93
TIME: 0900

#7

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1	X			
	#32 4	X			
	#33 3	X			
	#34 2	X			
Emergency D/Gs	#31 2A		X		
	#32 6A		X		
	#33 5A			X	
Offsite Power Available	138V	X			
	13.8KV		X		
Gas Turbines (Con Edison)	GT-1		X		
	GT-2		X		
	GT-3		X		
SIS Pumps	#31 5A		X		
	#32 2A		X		
	#33 6A		X		
High Head SIS Flow	#31(GPM)		Ø		
	#32(GPM)		Ø		
	#33(GPM)		Ø		
	#34(GPM)		Ø		
RHR Pumps	#31 3A		X		
	#32 6A		X		
Recirc. Pumps	#31 5A		X		
	#32 6A		X		
Low Head SIS Flow	#31(GPM)		Ø		
	#32(GPM)		Ø		
	#33(GPM)		Ø		
	#34(GPM)		Ø		
Accum. Level	#31 (%)		35		
	#32 (%)		33		
	#33 (%)		34		
	#34 (%)		34		

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
RHR Heat Exchangers	#31		X		
	#32		X		
Component Cooling Heat Exchangers	#31	X			
	#32	X			
Hydrogen Recombiner	#31 2A		X		
	#32 6A		X		
Fan Cooler Units	#31 5A		X		
	#32 2A	X			
	#33 5A	X			
	#34 3A	X			
	#35 6A	X			
Aux. Boiler Feed Pumps	#31 3A		X		
	#32		X		
	#33 6A		X		
Containment Spray Pumps	#31 5A		X		
	#32 6A		X		
Charging Pumps	#31 5A	X			
	#32 3A		X		
	#33 6A		X		
Component Cooling Pumps	#31 5A	X			
	#32 2A		X		
	#33 6A	X			
Aux. Component Cooling Pumps	#31 5A		X		
	#32 6A		X		
	#33 5A		X		
	#34 6A		X		
Appendix 'R' D/G			X		

PARAMETER	BUS #	STATUS O	S	OS	ESSENTIAL	NON-ESSENTIAL
Service Water Pumps	#31 5A		X		X	
	#32 2A		X		X	
	#33 6A	X			X	
	#34 5A		X			X
	#35 3A	X				X
	#36 6A	X				X

VC Isolation Valves (Phase A/B valves which are not in required position.)

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM.

S - STANDBY
O - OPERATING
OS - OUT OF SERVICE

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

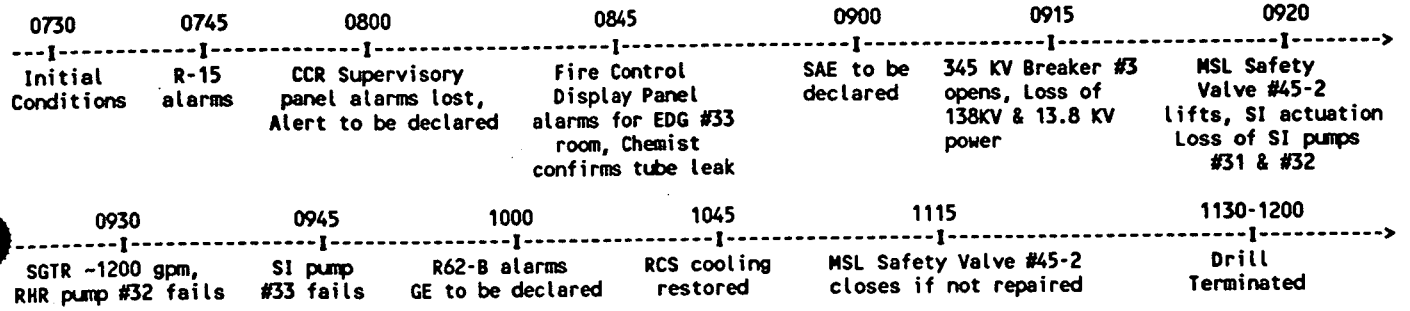
DATE: July 21, 1993 **TIME:** 0915

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 8

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR and All Controllers	Plant status per plant status log #8. 345 KV breaker #3 opens. 138 KV & 13.8 KV power is lost. Reactor/turbine trip. Control Rod K-10 and J-11 fails to insert into the core. SI pump #31 is inoperable due to loss of Bus 5A. SI pump #32 fails to start.	CCR operators refer to E-0 and transition to ES-0.1. Accountability process continuing if not already done.	SAE

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



NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 0915

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 8

- Plant status per plant status log #8.
- LOR 86P & 86BU trip.
- Reactor/Turbine trip actuate.
- LOR 86STP & STBU trip.
- Feeder 95331 de-energize.
- 13W93 & 94 de-energize.
- All 6.9 KV motors tripped.

- THIS IS A DRILL -

#8

EP FORM 31a

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
0915

PARAMETER		VALUE	
U1170	INCORE T/C TIME AVG VALUE	555.0	DEG F
U0090	INST VALUE OF HOTTEST INCORE T/C	578.2	DEG F
U0484	RCL AVG TAVG	547.0	DEG F
U0486	RCL HOT AVG T	557.9	DEG F
PT-402	RCS PRESSURE - LOOP 1	2046.0	PSIG
PT-403	RCS PRESSURE - LOOP 4	2046.0	PSIG
KHTMARCS	LOWEST RCS TEMP SAT MARGIN	82.3	DEG F
TMARCETA	CET TEMP SAT MAR	82.3	DEG F
S498AD	RCP #31 STATUS	OFF	
S498BD	RCP #32 STATUS	OFF	
S498CD	RCP #33 STATUS	OFF	
S498DD	RCP #34 STATUS	OFF	
U0483	PRESSURIZER LEVEL 1/2/3 AVG	27.1	PCT
FT-128	CHARGING PUMP DISCHARGE FLOW	8.4	GPM
LT-417D	STEAM GENERATOR #31 W.R. LEVEL	45.5	PCT
LT-427D	STEAM GENERATOR #32 W.R. LEVEL	45.5	PCT
LT-437D	STEAM GENERATOR #33 W.R. LEVEL	45.5	PCT
LT-447D	STEAM GENERATOR #34 W.R. LEVEL	45.5	PCT
U0414	STM GEN A STM P 1/2/3 AVG	969.7	PSIG
U0434	STM GEN B STM P 1/2/3 AVG	970.0	PSIG
U0454	STM GEN C STM P 1/2/3 AVG	968.9	PSIG
U0474	STM GEN D STM P 1/2/3 AVG	973.2	PSIG
U1000	CONTAINMENT P 1/2/3 AVG	0.3	PSIG
FT1200	AUX FD FLOW TO SG #31	170.0	GPM
FT1201	AUX FD FLOW TO SG #32	170.0	GPM
FT1202	AUX FD FLOW TO SG #33	170.0	GPM
FT1203	AUX FD FLOW TO SG #34	170.0	GPM
LT1128	CONDENSATE STORAGE TANK LEVEL	28.1	FT
LT1128A	CONDENSATE STORAGE TANK LEVEL	28.1	FT
TC-1416	CONTAINMENT AVG TEMPERATURE	85.4	DEG F
LT-1255	CONTAINMENT SUMP LEVEL	40.9	FT
LT-1256	CONTAINMENT SUMP LEVEL	40.9	FT
LT-1251	RECIRCULATION SUMP LEVEL	34.3	FT
LT-1252	RECIRCULATION SUMP LEVEL	34.3	FT
LT-920	RWST LEVEL	36.1	FT
LT-931	CHEMICAL SPRAY ADDITIVE TANK LVL	83.4	PCT
HC-MCA	CONTAINMENT H2 CONCENTRATION	0.0	PCT
HC-MCB	CONTAINMENT H2 CONCENTRATION	0.0	PCT
LR002A	RVLIS DYNAMIC HEAD RANGE	U 0.0	PCT
LR002B	RVLIS DYNAMIC HEAD RANGE	U 0.0	PCT
LR001A	RVLIS FULL RANGE	105.0	PCT
LR001B	RVLIS FULL RANGE	105.0	PCT
N-35	INTERMEDIATE RANGE DETECTOR	1.7E-06	AMPS
N-36	INTERMEDIATE RANGE DETECTOR	1.7E-06	AMPS
KISUR	INTERMEDIATE RANGE START-UP RATE	-5.8	DECPM
N-31	SOURCE RANGE DETECTOR	1.0	CPS
N-32	SOURCE RANGE DETECTOR	1.0	CPS
KSSUR	SOURCE RANGE START-UP RATE	0.0	DECPM
U1169	PWR RNG NUCL CHANNEL RMP AVG Q	1.0	PCT

- DRILL INFORMATION ONLY -

#8

EP FORM 31b

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
0915

	PARAMETER		VALUE	
R01	CONTROL ROOM RAD		0.000E+00	MR/HR
R02	AREA 2 RADIATION		7.000E-01	MR/HR
R04	CHARGING PUMP ROOM		1.000E-01	MR/HR
R05	FUEL STORAGE BUILDING RAD		2.000E-01	MR/HR
R06	SAMPLE ROOM RAD		6.000E-01	MR/HR
R07	IN CORE INS ROOM RAD		3.000E+00	MR/HR
R08	DRUMMING STATION RAD		8.000E-01	MR/HR
R10	STEAM LINE PENETRATIONS RAD		0.000E+00	R/HR
R11	CNMT AIR PARTICLE RADIATION		2.200E-10	UCI/CC
R12	CONTAINMENT GAS RADIATION		1.400E-06	UCI/CC
R13	PLANT VENT AIR PARTICLE RAD		1.000E+03	CPM
R14	AUX BUILDING EXHAUST RAD		1.500E+03	CPM
R15	STEAM AIR EJECT EXHAUST RAD	A	2.500E-04	UCI/CC
R16A	CNMT CLNG HX SVC WTR OUT 1R		1.000E-07	UCI/CC
R16B	CNMT CLNG HX SVC WTR OUT 2R		1.000E-07	UCI/CC
R17A	CMPT CLG PUMP SUCT A HEADER RAD		3.000E+02	CPM
R17B	CMPT CLG PUMP SUCT B HEADER RAD		4.000E+02	CPM
R18	LIQUID WASTE DISPOSAL RADIATION		3.500E-06	UCI/CC
R19	STM GENER BLOWDOWN DRAIN 2 RAD	A	1.000E-05	UCI/CC
R23	CCW SERVICE WATER EFFLUENT		1.000E-07	UCI/CC
R25	CONTAINMENT HIGH RAD MONITOR 1		9.200E-02	R/HR
R26	CONTAINMENT HIGH RAD MONITOR 2		9.200E-02	R/HR
R27	PLANT VENT RADIATION		6.800E-08	UCI/S
Y9051A	STACK DISCHARGE AIR FLOW		10.0	KCFM
R59	RAMS BUILDING NOBLE GAS MONITOR		5.100E-09	UCI/CC
R62A	31 MAIN STEAM LINE		2.000E-04	UCI/CC
R62B	32 MAIN STEAM LINE		4.000E-04	UCI/CC
R62C	33 MAIN STEAM LINE		2.000E-04	UCI/CC
R62D	34 MAIN STEAM LINE		2.000E-04	UCI/CC
R63A	GROSS FAILED FUEL DETECTOR R63A		9.100E-03	UCI/CC
R63B	GROSS FAILED FUEL DETECTOR R63B		9.100E-03	UCI/CC
R64	PAB 55 FT AREA MONITOR		1.000E-02	MR/HR
R65	PAB 73 FT AREA MONITOR		1.000E-01	MR/HR
R66	PAB 34 FT AREA MONITOR		1.000E-01	MR/HR
R67	PAB 41 FT AREA MONITOR		2.000E-01	MR/HR
R68	PAB 15 FT AREA MONITOR		3.000E+00	MR/HR
R69	PIPE PEN 54 FT AREA MONITOR		4.000E+00	MR/HR
R70	FAN HOUSE 77 FT AREA MONITOR		1.000E-01	MR/HR

A - IN ALARM
U - UNAVAILABLE OR OUT-OF-RANGE
E - ENTERED VALUE
X - OUT OF ALARM CHECKING
S - OUT OF SCAN

- DRILL INFORMATION ONLY -

EP-FORM #31C

IP-3 EQUIPMENT STATUS LOG

DATE: 04/21/93
TIME: 0915

#8

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1			X	
	#32 4			X	
	#33 3			X	
	#34 2			X	
Emergency D/Gs	#31 2A	X			
	#32 6A	X			
	#33 5A			X	
Offsite Power Available	138V			X	
	13.8KV			X	
Gas Turbines (Con Edison)	GT-1			X	
	GT-2			X	
	GT-3			X	
SIS Pumps	#31 5A			X	
	#32 2A		X		
	#33 6A		X		
High Head SIS Flow	#31(GPM)		Ø		
	#32(GPM)		Ø		
	#33(GPM)		Ø		
	#34(GPM)		Ø		
RHR Pumps	#31 3A		X		
	#32 6A		X		
Recirc. Pumps	#31 5A			X	
	#32 6A		X		
Low Head SIS Flow	#31(GPM)		Ø		
	#32(GPM)		Ø		
	#33(GPM)		Ø		
	#34(GPM)		Ø		
Accum. Level	#31 (%)		35		
	#32 (%)		33		
	#33 (%)		34		
	#34 (%)		34		

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
RHR Heat Exchangers	#31			X	
	#32	X			
Component Cooling Heat Exchangers	#31		X		
	#32		X		
Hydrogen Recombiner	#31 2A		X		
	#32 6A		X		
Fan Cooler Units	#31 5A			X	
	#32 2A	X			
	#33 5A			X	
	#34 3A	X			
	#35 6A	X			
Aux. Boiler Feed Pumps	#31 3A	X			
	#32	X			
	#33 6A	X			
Containment Spray Pumps	#31 5A			X	
	#32 6A		X		
Charging Pumps	#31 5A			X	
	#32 3A		X		
	#33 6A		X		
Component Cooling Pumps	#31 5A			X	
	#32 2A		X		
	#33 6A		X		
Aux. Component Cooling Pumps	#31 5A			X	
	#32 6A		X		
	#33 5A			X	
	#34 6A		X		
Appendix 'R' D/G			X		

PARAMETER	BUS #	STATUS O	S	OS	ESSENTIAL	NON-ESSENTIAL
Service Water Pumps	#31 5A			X	X	
	#32 2A	X			X	
	#33 6A	X			X	
	#34 5A			X		X
	#35 3A		X			X
	#36 6A		X			X

VC Isolation Valves (Phase A/B valves which are not in required position.)

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM.

S - STANDBY
O - OPERATING
OS - OUT OF SERVICE

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

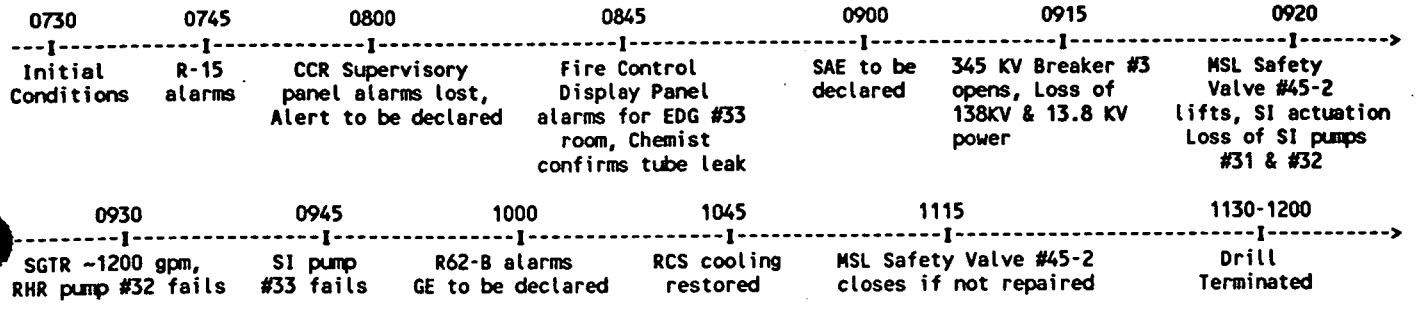
DATE: July 21, 1993 **TIME:** 0920

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 8A

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR and All Controllers	Plant status per plant status log #8. MSL Safety Valve #45-2 lifts causing a ΔP SI on SG #32. Release is within T.S.	CCR operators transition back to E-0.	SAE

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



NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 0920

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 8A

- Plant status per plant status log #8.
- ΔP SI actuation on SG #32.

- THIS IS A DRILL -

EP-FORM #31C

IP-3 EQUIPMENT STATUS LOG

DATE: 07/21/93
TIME: 0920

#8A

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1			X	
	#32 4			X	
	#33 3			X	
	#34 2			X	
Emergency D/Gs	#31 2A	X			
	#32 6A	X			
	#33 5A			X	
Offsite Power Available	138V			X	
	13.8KV			X	
Gas Turbines (Con Edison)	GT-1			X	
	GT-2			X	
	GT-3			X	
SIS Pumps	#31 5A			X	
	#32 2A			X	
	#33 6A	X			
High Head SIS Flow	#31(GPM)		Ø		
	#32(GPM)		Ø		
	#33(GPM)		Ø		
	#34(GPM)		Ø		
RHR Pumps	#31 3A	X			
	#32 6A	X			
Recirc. Pumps	#31 5A			X	
	#32 6A		X		
Low Head SIS Flow	#31(GPM)		Ø		
	#32(GPM)		Ø		
	#33(GPM)		Ø		
	#34(GPM)		Ø		
Accum. Level	#31 (%)		35		
	#32 (%)		33		
	#33 (%)		34		
	#34 (%)		34		

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
RHR Heat Exchangers	#31			X	
	#32	X			
Component Cooling Heat Exchangers	#31		X		
	#32		X		
Hydrogen Recombiner	#31 2A		X		
	#32 6A		X		
Fan Cooler Units	#31 5A			X	
	#32 2A	X			
	#33 5A			X	
	#34 3A	X			
	#35 6A	X			
Aux. Boiler Feed Pumps	#31 3A	X			
	#32	X			
	#33 6A	X			
Containment Spray Pumps	#31 5A			X	
	#32 6A		X		
Charging Pumps	#31 5A			X	
	#32 3A		X		
	#33 6A		X		
Component Cooling Pumps	#31 5A			X	
	#32 2A		X		
	#33 6A		X		
Aux. Component Cooling Pumps	#31 5A			X	
	#32 6A	X			
	#33 5A			X	
	#34 6A	X			
Appendix 'R' D/G			X		

PARAMETER	BUS #	STATUS O	S	OS	ESSENTIAL	NON-ESSENTIAL
Service Water Pumps	#31 5A			X	X	
	#32 2A	X			X	
	#33 6A	X			X	
	#34 5A			X		X
	#35 3A		X			X
	#36 6A		X			X

VC Isolation Valves (Phase A/B valves which are not in required position.)

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM.

S - STANDBY
O - OPERATING
OS - OUT OF SERVICE

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 0930

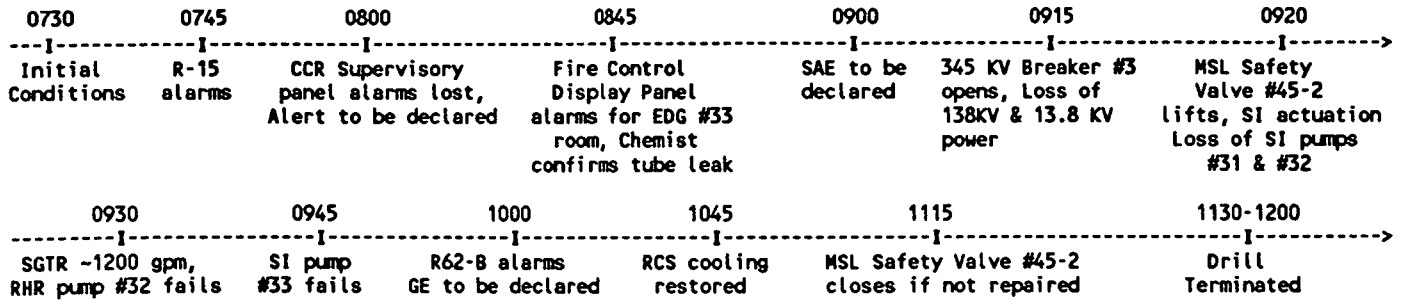
INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 9

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR and All Controllers	Plant status per plant status log #9. SG tube rupture of ~1200 gpm occurs in SG #32. RHR pump #32 fails.	CCR operators transition to E-2. Operators will be transitioning to E-3 at ~0935. Operators will be transitioning to ECA-3.1 at ~0940.	SAE

NOTE: SG wide range level is increasing.

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



NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 0930

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 9

- Plant status per plant status log #9.
- RCS pressure and Pzr level decrease rapidly.
- 480V motor trip (common) alarm annunciates.
- RHR pump #32 switch indications - green & amber lit.

- THIS IS A DRILL -

#9

EP FORM 31a

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
0930

	PARAMETER		VALUE	
U1170	INCORE T/C TIME AVG VALUE		522.4	DEG F
U0090	INST VALUE OF HOTTEST INCORE T/C		595.7	DEG F
U0484	RCL AVG TAVG	U	540.0	DEG F
U0486	RCL HOT AVG T		520.6	DEG F
PT-402	RCS PRESSURE - LOOP 1		908.9	PSIG
PT-403	RCS PRESSURE - LOOP 4		908.9	PSIG
KHTMARCS	LOWEST RCS TEMP SAT MARGIN		7.6	DEG F
TMARCETA	CET TEMP SAT MAR		7.6	DEG F
S498AD	RCP #31 STATUS		OFF	
S498BD	RCP #32 STATUS		OFF	
S498CD	RCP #33 STATUS		OFF	
S498DD	RCP #34 STATUS		OFF	
U0483	PRESSURIZER LEVEL 1/2/3 AVG		0.0	PCT
FT-128	CHARGING PUMP DISCHARGE FLOW		2.1	GPM
LT-417D	STEAM GENERATOR #31 W.R. LEVEL		56.4	PCT
LT-427D	STEAM GENERATOR #32 W.R. LEVEL		23.0	PCT
LT-437D	STEAM GENERATOR #33 W.R. LEVEL		55.4	PCT
LT-447D	STEAM GENERATOR #34 W.R. LEVEL		53.2	PCT
U0414	STM GEN A STM P 1/2/3 AVG		798.5	PSIG
U0434	STM GEN B STM P 1/2/3 AVG		385.5	PSIG
U0454	STM GEN C STM P 1/2/3 AVG		818.3	PSIG
U0474	STM GEN D STM P 1/2/3 AVG		928.9	PSIG
U1000	CONTAINMENT P 1/2/3 AVG		0.4	PSIG
FT1200	AUX FD FLOW TO SG #31		357.0	GPM
FT1201	AUX FD FLOW TO SG #32		0.0	GPM
FT1202	AUX FD FLOW TO SG #33		193.1	GPM
FT1203	AUX FD FLOW TO SG #34		174.3	GPM
LT1128	CONDENSATE STORAGE TANK LEVEL		27.3	FT
LT1128A	CONDENSATE STORAGE TANK LEVEL		27.3	FT
TC-1416	CONTAINMENT AVG TEMPERATURE		73.7	DEG F
LT-1255	CONTAINMENT SUMP LEVEL		40.9	FT
LT-1256	CONTAINMENT SUMP LEVEL		40.9	FT
LT-1251	RECIRCULATION SUMP LEVEL		34.3	FT
LT-1252	RECIRCULATION SUMP LEVEL		34.3	FT
LT-920	RWST LEVEL		36.0	FT
LT-931	CHEMICAL SPRAY ADDITIVE TANK LVL		83.4	PCT
HC-MCA	CONTAINMENT H2 CONCENTRATION		0.0	PCT
HC-MCB	CONTAINMENT H2 CONCENTRATION		0.0	PCT
LR002A	RVLIS DYNAMIC HEAD RANGE	U	0.0	PCT
LR002B	RVLIS DYNAMIC HEAD RANGE	U	0.0	PCT
LR001A	RVLIS FULL RANGE		86.8	PCT
LR001B	RVLIS FULL RANGE		86.8	PCT
N-35	INTERMEDIATE RANGE DETECTOR		1.6E-11	AMPS
N-36	INTERMEDIATE RANGE DETECTOR		1.6E-11	AMPS
KISUR	INTERMEDIATE RANGE START-UP RATE		0.1	DECPM
N-31	SOURCE RANGE DETECTOR		5622.3	CPS
N-32	SOURCE RANGE DETECTOR		5622.3	CPS
KSSUR	SOURCE RANGE START-UP RATE		0.0	DECPM
U1169	PWR RNG NUCL CHANNEL RMP AVG Q		0.0	PCT

- DRILL INFORMATION ONLY -

#9

EP FORM 31b

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
0930

	PARAMETER		VALUE	
R01	CONTROL ROOM RAD		0.000E+00	MR/HR
R02	AREA 2 RADIATION		7.000E-01	MR/HR
R04	CHARGING PUMP ROOM		1.000E-01	MR/HR
R05	FUEL STORAGE BUILDING RAD		2.000E-01	MR/HR
R06	SAMPLE ROOM RAD		6.000E-01	MR/HR
R07	IN CORE INS ROOM RAD		3.000E+00	MR/HR
R08	DRUMMING STATION RAD		8.000E-01	MR/HR
R10	STEAM LINE PENETRATIONS RAD		0.000E+00	R/HR
R11	CNMT AIR PARTICLE RADIATION		2.200E-10	UCI/CC
R12	CONTAINMENT GAS RADIATION		1.400E-06	UCI/CC
R13	PLANT VENT AIR PARTICLE RAD		1.000E+03	CPM
R14	AUX BUILDING EXHAUST RAD		1.500E+03	CPM
R15	STEAM AIR EJECT EXHAUST RAD		0.000E+00	UCI/CC
R16A	CNMT CLNG HX SVC WTR OUT 1R		1.000E-07	UCI/CC
R16B	CNMT CLNG HX SVC WTR OUT 2R		1.000E-07	UCI/CC
R17A	CMPT CLG PUMP SUCT A HEADER RAD		3.000E+02	CPM
R17B	CMPT CLG PUMP SUCT B HEADER RAD		4.000E+02	CPM
R18	LIQUID WASTE DISPOSAL RADIATION		3.500E-06	UCI/CC
R19	STM GENER BLOWDOWN DRAIN 2 RAD	A	1.000E-05	UCI/CC
R23	CCW SERVICE WATER EFFLUENT		1.000E-07	UCI/CC
R25	CONTAINMENT HIGH RAD MONITOR 1		9.200E-02	R/HR
R26	CONTAINMENT HIGH RAD MONITOR 2		9.200E-02	R/HR
R27	PLANT VENT RADIATION		6.800E-08	UCI/S
Y9051A	STACK DISCHARGE AIR FLOW		10.0	KCFM
R59	RAMS BUILDING NOBLE GAS MONITOR		5.100E-09	UCI/CC
R62A	31 MAIN STEAM LINE		2.000E-04	UCI/CC
R62B	32 MAIN STEAM LINE		4.000E-04	UCI/CC
R62C	33 MAIN STEAM LINE		2.000E-04	UCI/CC
R62D	34 MAIN STEAM LINE		2.000E-04	UCI/CC
R63A	GROSS FAILED FUEL DETECTOR R63A		9.100E-03	UCI/CC
R63B	GROSS FAILED FUEL DETECTOR R63B		9.100E-03	UCI/CC
R64	PAB 55 FT AREA MONITOR		1.000E-02	MR/HR
R65	PAB 73 FT AREA MONITOR		1.000E-01	MR/HR
R66	PAB 34 FT AREA MONITOR		1.000E-01	MR/HR
R67	PAB 41 FT AREA MONITOR		2.000E-01	MR/HR
R68	PAB 15 FT AREA MONITOR		3.000E+00	MR/HR
R69	PIPE PEN 54 FT AREA MONITOR		4.000E+00	MR/HR
R70	FAN HOUSE 77 FT AREA MONITOR		1.000E-01	MR/HR

A - IN ALARM
U - UNAVAILABLE OR OUT-OF-RANGE
E - ENTERED VALUE
X - OUT OF ALARM CHECKING
S - OUT OF SCAN

- DRILL INFORMATION ONLY -

EP-FORM #31C

IP-3 EQUIPMENT STATUS LOG

DATE: 07/21/93
TIME: 0930

#9

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1			X	
	#32 4			X	
	#33 3			X	
	#34 2			X	
Emergency D/Gs	#31 2A	X			
	#32 6A	X			
	#33 5A			X	
Offsite Power Available	138V			X	
	13.8KV			X	
Gas Turbines (Con Edison)	GT-1			X	
	GT-2			X	
	GT-3			X	
SIS Pumps	#31 5A			X	
	#32 2A			X	
	#33 6A	X			
High Head SIS Flow	#31(GPM)	100			
	#32(GPM)	100			
	#33(GPM)	100			
	#34(GPM)	100			
RHR Pumps	#31 3A	X			
	#32 6A			X	
Recirc. Pumps	#31 5A			X	
	#32 6A		X		
Low Head SIS Flow	#31(GPM)	Ø			
	#32(GPM)	Ø			
	#33(GPM)	Ø			
	#34(GPM)	Ø			
Accum. Level	#31 (%)	35			
	#32 (%)	33			
	#33 (%)	34			
	#34 (%)	34			

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
RHR Heat Exchangers	#31			X	
	#32	X			
Component Cooling Heat Exchangers	#31		X		
	#32		X		
Hydrogen Recombiner	#31 2A		X		
	#32 6A		X		
Fan Cooler Units	#31 5A			X	
	#32 2A	X			
	#33 5A			X	
	#34 3A	X			
	#35 6A	X			
Aux. Boiler Feed Pumps	#31 3A	X			
	#32	X			
	#33 6A	X			
Containment Spray Pumps	#31 5A			X	
	#32 6A		X		
Charging Pumps	#31 5A			X	
	#32 3A		X		
	#33 6A		X		
Component Cooling Pumps	#31 5A			X	
	#32 2A		X		
	#33 6A		X		
Aux. Component Cooling Pumps	#31 5A			X	
	#32 6A	X			
	#33 5A			X	
	#34 6A	X			
Appendix 'R' D/G			X		

PARAMETER	BUS #	STATUS O	S	OS	ESSENTIAL	NON-ESSENTIAL
Service Water Pumps	#31 5A			X	X	
	#32 2A	X			X	
	#33 6A	X			X	
	#34 5A			X		X
	#35 3A		X			X
	#36 6A		X			X

VC Isolation Valves (Phase A/B valves which are not in required position.)

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM.

S - STANDBY
O - OPERATING
OS - OUT OF SERVICE

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

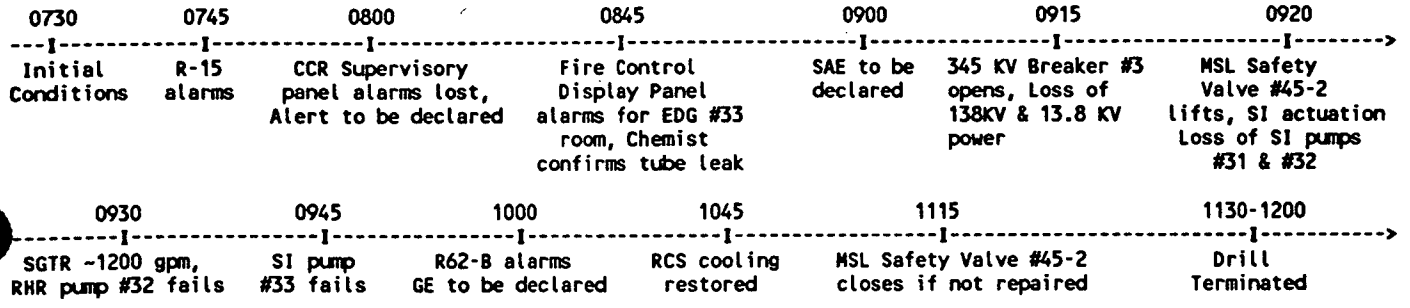
DATE: July 21, 1993 **TIME:** 0945

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 10

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR and All Controllers	Plant status per plant status log #10. RCS inventory continues to decrease. Reset SI. PAB ventilation doesn't start. A charging pump is started. SI pump #33 fails.	CCR operators should be transitioning to ECA-3.1. PAR's may be initiated if in a GE.	SAE (GE may be declared)

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



NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 0945

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 10

- Plant status per plant status log #10.
- 480V motor trip (common) alarm annunciates.
- SI pump #33 switch indications - green & amber lit.

- THIS IS A DRILL -

#10

EP FORM 31a

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
0945

	PARAMETER		VALUE	
U1170	INCORE T/C TIME AVG VALUE		512.1	DEG F
U0090	INST VALUE OF HOTTEST INCORE T/C		620.2	DEG F
U0484	RCL AVG TAVG	U	540.0	DEG F
U0486	RCL HOT AVG T		511.7	DEG F
PT-402	RCS PRESSURE - LOOP 1		557.8	PSIG
PT-403	RCS PRESSURE - LOOP 4		557.8	PSIG
KHTMARCS	LOWEST RCS TEMP SAT MARGIN		-28.6	DEG F
TMARCETA	CET TEMP SAT MAR		-28.6	DEG F
S498AD	RCP #31 STATUS		OFF	
S498BD	RCP #32 STATUS		OFF	
S498CD	RCP #33 STATUS		OFF	
S498DD	RCP #34 STATUS		OFF	
U0483	PRESSURIZER LEVEL 1/2/3 AVG		0.0	PCT
FT-128	CHARGING PUMP DISCHARGE FLOW		65.0	GPM
LT-417D	STEAM GENERATOR #31 W.R. LEVEL		61.0	PCT
LT-427D	STEAM GENERATOR #32 W.R. LEVEL		53.0	PCT
LT-437D	STEAM GENERATOR #33 W.R. LEVEL		60.1	PCT
LT-447D	STEAM GENERATOR #34 W.R. LEVEL		59.6	PCT
U0414	STM GEN A STM P 1/2/3 AVG		674.2	PSIG
U0434	STM GEN B STM P 1/2/3 AVG		365.9	PSIG
U0454	STM GEN C STM P 1/2/3 AVG		615.6	PSIG
U0474	STM GEN D STM P 1/2/3 AVG		653.0	PSIG
U1000	CONTAINMENT P 1/2/3 AVG		0.4	PSIG
FT1200	AUX FD FLOW TO SG #31		0.0	GPM
FT1201	AUX FD FLOW TO SG #32		0.0	GPM
FT1202	AUX FD FLOW TO SG #33		0.0	GPM
FT1203	AUX FD FLOW TO SG #34		0.0	GPM
LT1128	CONDENSATE STORAGE TANK LEVEL		27.1	FT
LT1128A	CONDENSATE STORAGE TANK LEVEL		27.1	FT
TC-1416	CONTAINMENT AVG TEMPERATURE		75.2	DEG F
LT-1255	CONTAINMENT SUMP LEVEL		40.9	FT
LT-1256	CONTAINMENT SUMP LEVEL		40.9	FT
LT-1251	RECIRCULATION SUMP LEVEL		34.3	FT
LT-1252	RECIRCULATION SUMP LEVEL		34.3	FT
LT-920	RWST LEVEL		35.5	FT
LT-931	CHEMICAL SPRAY ADDITIVE TANK LVL		83.4	PCT
HC-MCA	CONTAINMENT H2 CONCENTRATION		0.0	PCT
HC-MCB	CONTAINMENT H2 CONCENTRATION		0.0	PCT
LR002A	RVLIS DYNAMIC HEAD RANGE	U	0.0	PCT
LR002B	RVLIS DYNAMIC HEAD RANGE	U	0.0	PCT
LR001A	RVLIS FULL RANGE		70.1	PCT
LR001B	RVLIS FULL RANGE		70.1	PCT
N-35	INTERMEDIATE RANGE DETECTOR		1.2E-11	AMPS
N-36	INTERMEDIATE RANGE DETECTOR		1.2E-11	AMPS
KISUR	INTERMEDIATE RANGE START-UP RATE		0.0	DECPM
N-31	SOURCE RANGE DETECTOR		1934.9	CPS
N-32	SOURCE RANGE DETECTOR		1934.9	CPS
KSSUR	SOURCE RANGE START-UP RATE		-1.1	DECPM
U1169	PWR RNG NUCL CHANNEL RMP AVG Q		0.0	PCT

- DRILL INFORMATION ONLY -

#10

EP FORM 31b

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
0945

	PARAMETER		VALUE	
R01	CONTROL ROOM RAD		0.000E+00	MR/HR
R02	AREA 2 RADIATION		7.000E-01	MR/HR
R04	CHARGING PUMP ROOM		1.000E-01	MR/HR
R05	FUEL STORAGE BUILDING RAD		2.000E-01	MR/HR
R06	SAMPLE ROOM RAD		6.000E-01	MR/HR
R07	IN CORE INS ROOM RAD		3.000E+00	MR/HR
R08	DRUMMING STATION RAD		8.000E-01	MR/HR
R10	STEAM LINE PENETRATIONS RAD		0.000E+00	R/HR
R11	CNMT AIR PARTICLE RADIATION		2.200E-10	UCI/CC
R12	CONTAINMENT GAS RADIATION		1.400E-06	UCI/CC
R13	PLANT VENT AIR PARTICLE RAD		9.800E+02	CPM
R14	AUX BUILDING EXHAUST RAD		1.500E+03	CPM
R15	STEAM AIR EJECT EXHAUST RAD		0.000E+00	UCI/CC
R16A	CNMT CLNG HX SVC WTR OUT 1R		1.000E-07	UCI/CC
R16B	CNMT CLNG HX SVC WTR OUT 2R		1.000E-07	UCI/CC
R17A	CMPT CLG PUMP SUCT A HEADER RAD		3.000E+02	CPM
R17B	CMPT CLG PUMP SUCT B HEADER RAD		4.000E+02	CPM
R18	LIQUID WASTE DISPOSAL RADIATION		3.500E-06	UCI/CC
R19	STM GENER BLOWDOWN DRAIN 2 RAD	A	1.000E-05	UCI/CC
R23	CCW SERVICE WATER EFFLUENT		1.000E-07	UCI/CC
R25	CONTAINMENT HIGH RAD MONITOR 1		9.200E-02	R/HR
R26	CONTAINMENT HIGH RAD MONITOR 2		9.200E-02	R/HR
R27	PLANT VENT RADIATION		6.800E-08	UCI/S
Y9051A	STACK DISCHARGE AIR FLOW		10.0	KCFM
R59	RAMS BUILDING NOBLE GAS MONITOR		5.100E-09	UCI/CC
R62A	31 MAIN STEAM LINE		2.000E-04	UCI/CC
R62B	32 MAIN STEAM LINE		4.000E-04	UCI/CC
R62C	33 MAIN STEAM LINE		2.000E-04	UCI/CC
R62D	34 MAIN STEAM LINE		2.000E-04	UCI/CC
R63A	GROSS FAILED FUEL DETECTOR R63A		9.100E-03	UCI/CC
R63B	GROSS FAILED FUEL DETECTOR R63B		9.100E-03	UCI/CC
R64	PAB 55 FT AREA MONITOR		1.000E-02	MR/HR
R65	PAB 73 FT AREA MONITOR		1.000E-01	MR/HR
R66	PAB 34 FT AREA MONITOR		1.000E-01	MR/HR
R67	PAB 41 FT AREA MONITOR		2.000E-01	MR/HR
R68	PAB 15 FT AREA MONITOR		3.000E+00	MR/HR
R69	PIPE PEN 54 FT AREA MONITOR		4.000E+00	MR/HR
R70	FAN HOUSE 77 FT AREA MONITOR		1.000E-01	MR/HR

A - IN ALARM
U - UNAVAILABLE OR OUT-OF-RANGE
E - ENTERED VALUE
X - OUT OF ALARM CHECKING
S - OUT OF SCAN

- DRILL INFORMATION ONLY -

EP-FORM #31C

IP-3 EQUIPMENT STATUS LOG

DATE: 07/21/93
TIME: 0945

#10

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1			X	
	#32 4			X	
	#33 3			X	
	#34 2			X	
Emergency D/Gs	#31 2A	X			
	#32 6A	X			
	#33 5A			X	
Offsite Power Available	138V			X	
	13.8KV			X	
Gas Turbines (Con Edison)	GT-1			X	
	GT-2			X	
	GT-3			X	
SIS Pumps	#31 5A			X	
	#32 2A			X	
	#33 6A			X	
High Head SIS Flow	#31(GPM)	Ø			
	#32(GPM)	Ø			
	#33(GPM)	Ø			
	#34(GPM)	Ø			
RHR Pumps	#31 3A	X			
	#32 6A			X	
Recirc. Pumps	#31 5A			X	
	#32 6A		X		
Low Head SIS Flow	#31(GPM)	Ø			
	#32(GPM)	Ø			
	#33(GPM)	Ø			
	#34(GPM)	Ø			
Accum. Level	#31 (%)	Ø			
	#32 (%)	Ø			
	#33 (%)	Ø			
	#34 (%)	Ø			

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
RHR Heat Exchangers	#31			X	
	#32	X			
Component Cooling Heat Exchangers	#31		X		
	#32		X		
Hydrogen Recombiner	#31 2A		X		
	#32 6A		X		
Fan Cooler Units	#31 5A			X	
	#32 2A	X			
	#33 5A			X	
	#34 3A	X			
	#35 6A	X			
Aux. Boiler Feed Pumps	#31 3A	X			
	#32		X		
	#33 6A	X			
Containment Spray Pumps	#31 5A			X	
	#32 6A		X		
Charging Pumps	#31 5A			X	
	#32 3A		X		
	#33 6A	X			
Component Cooling Pumps	#31 5A			X	
	#32 2A		X		
	#33 6A		X		
Aux. Component Cooling Pumps	#31 5A			X	
	#32 6A	X			
	#33 5A			X	
	#34 6A	X			
Appendix 'R' D/G			X		

PARAMETER	BUS #	STATUS O	S	OS	ESSENTIAL	NON-ESSENTIAL
Service Water Pumps	#31 5A			X	X	
	#32 2A	X			X	
	#33 6A	X			X	
	#34 5A			X		X
	#35 3A		X			X
	#36 6A		X			X

VC Isolation Valves (Phase A/B valves which are not in required position.)

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM.

S - STANDBY
O - OPERATING
OS - OUT OF SERVICE

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

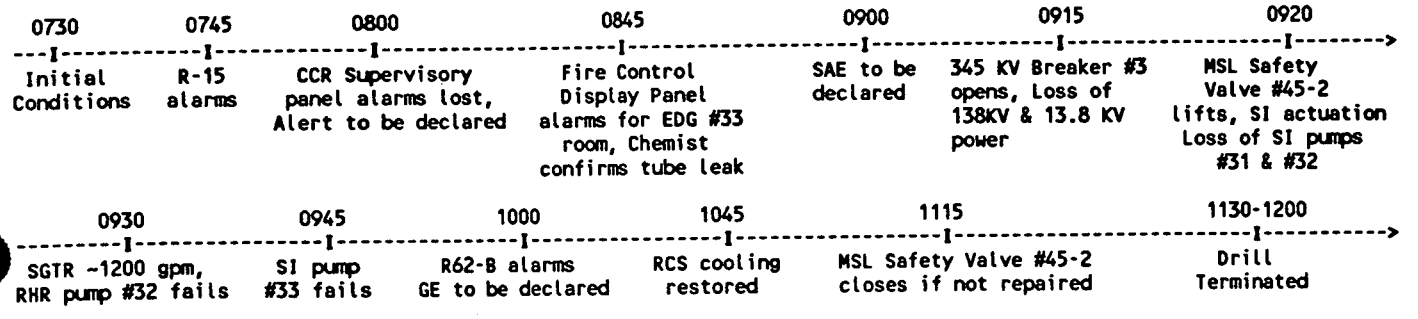
DATE: July 21, 1993 **TIME:** 1000

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 11

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR and All Controllers	Plant status per plant status log #11. Core exit thermocouples are increasing. R-62B alarms indicating core activity being released. Release begins.	CCR operators refer to: ARP-40 PAR's may be initiated if in a GE.	SAE (GE may be declared)

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



NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 1000

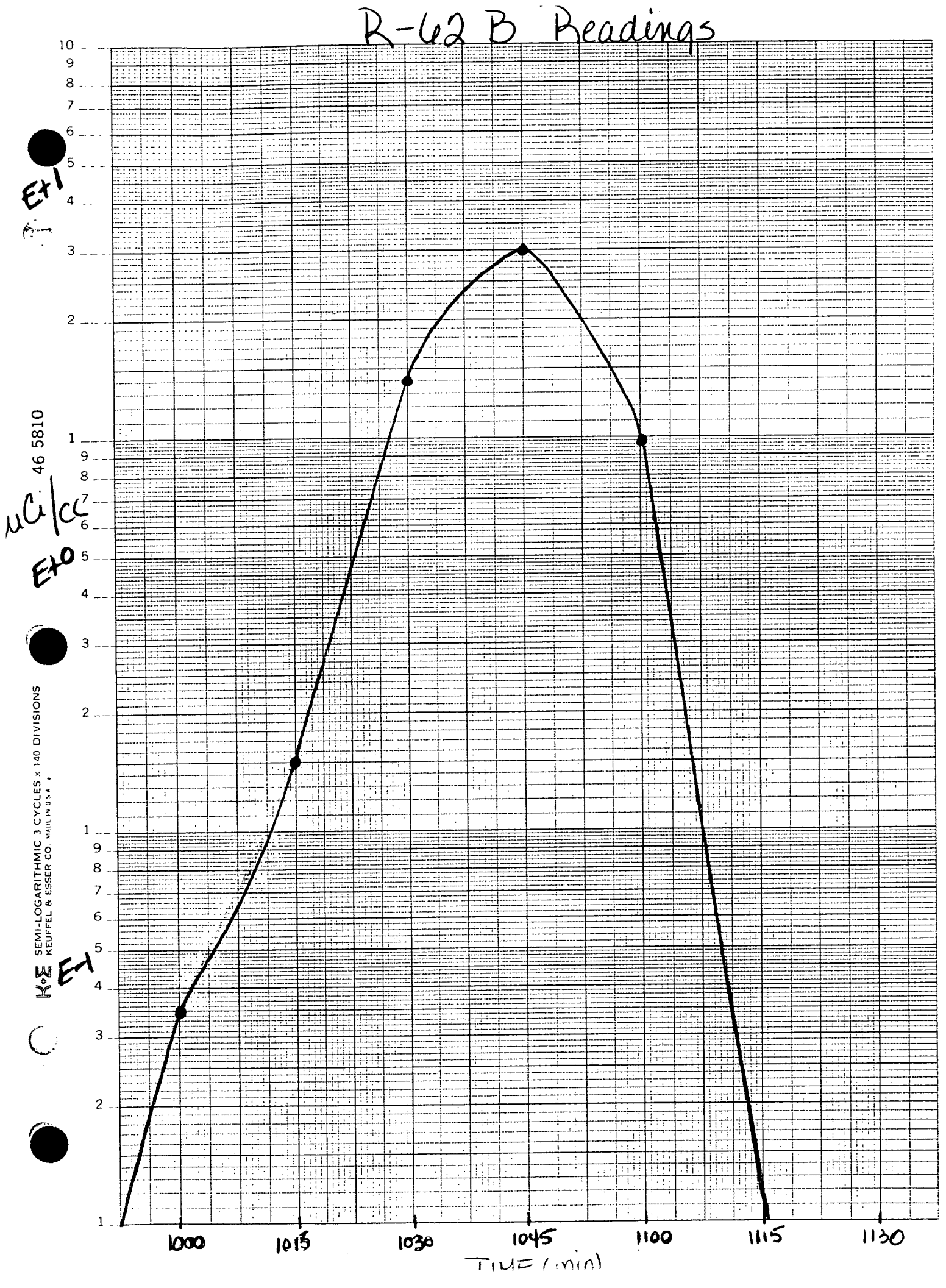
INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 11

- Plant status per plant status log #11.
- R-62A-D Main Steam annunciator alarms.

- THIS IS A DRILL -

R-62 B Readings



#11

EP FORM 31a

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
1000

	PARAMETER		VALUE	
U1170	INCORE T/C TIME AVG VALUE		521.6	DEG F
U0090	INST VALUE OF HOTTEST INCORE T/C		687.6	DEG F
U0484	RCL AVG TAVG	U	540.0	DEG F
U0486	RCL HOT AVG T		524.9	DEG F
PT-402	RCS PRESSURE - LOOP 1		493.3	PSIG
PT-403	RCS PRESSURE - LOOP 4		493.3	PSIG
KHTMARCS	LOWEST RCS TEMP SAT MARGIN		-56.8	DEG F
TMARCETA	CET TEMP SAT MAR		-56.8	DEG F
S498AD	RCP #31 STATUS		OFF	
S498BD	RCP #32 STATUS		OFF	
S498CD	RCP #33 STATUS		OFF	
S498DD	RCP #34 STATUS		OFF	
U0483	PRESSURIZER LEVEL 1/2/3 AVG		0.0	PCT
FT-128	CHARGING PUMP DISCHARGE FLOW		65.0	GPM
LT-417D	STEAM GENERATOR #31 W.R. LEVEL		61.4	PCT
LT-427D	STEAM GENERATOR #32 W.R. LEVEL		68.9	PCT
LT-437D	STEAM GENERATOR #33 W.R. LEVEL		60.4	PCT
LT-447D	STEAM GENERATOR #34 W.R. LEVEL		61.3	PCT
U0414	STM GEN A STM P 1/2/3 AVG		622.4	PSIG
U0434	STM GEN B STM P 1/2/3 AVG		306.0	PSIG
U0454	STM GEN C STM P 1/2/3 AVG		577.5	PSIG
U0474	STM GEN D STM P 1/2/3 AVG		579.4	PSIG
U1000	CONTAINMENT P 1/2/3 AVG		0.5	PSIG
FT1200	AUX FD FLOW TO SG #31		0.0	GPM
FT1201	AUX FD FLOW TO SG #32		0.0	GPM
FT1202	AUX FD FLOW TO SG #33		0.0	GPM
FT1203	AUX FD FLOW TO SG #34		89.8	GPM
LT1128	CONDENSATE STORAGE TANK LEVEL		27.2	FT
LT1128A	CONDENSATE STORAGE TANK LEVEL		27.2	FT
TC-1416	CONTAINMENT AVG TEMPERATURE		76.6	DEG F
LT-1255	CONTAINMENT SUMP LEVEL		40.8	FT
LT-1256	CONTAINMENT SUMP LEVEL		40.8	FT
LT-1251	RECIRCULATION SUMP LEVEL		34.3	FT
LT-1252	RECIRCULATION SUMP LEVEL		34.3	FT
LT-920	RWST LEVEL		35.1	FT
LT-931	CHEMICAL SPRAY ADDITIVE TANK LVL		83.4	PCT
HC-MCA	CONTAINMENT H2 CONCENTRATION		0.0	PCT
HC-MCB	CONTAINMENT H2 CONCENTRATION		0.0	PCT
LR002A	RVLIS DYNAMIC HEAD RANGE	U	0.0	PCT
LR002B	RVLIS DYNAMIC HEAD RANGE	U	0.0	PCT
LR001A	RVLIS FULL RANGE		56.5	PCT
LR001B	RVLIS FULL RANGE		56.5	PCT
N-35	INTERMEDIATE RANGE DETECTOR		1.2E-11	AMPS
N-36	INTERMEDIATE RANGE DETECTOR		1.2E-11	AMPS
KISUR	INTERMEDIATE RANGE START-UP RATE		0.0	DECPM
N-31	SOURCE RANGE DETECTOR		1768.4	CPS
N-32	SOURCE RANGE DETECTOR		1768.4	CPS
KSSUR	SOURCE RANGE START-UP RATE		0.0	DECPM
U1169	PWR RNG NUCL CHANNEL RMP AVG Q		0.0	PCT

- DRILL INFORMATION ONLY -

#11

EP FORM 31b

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
1000

	PARAMETER		VALUE	
R01	CONTROL ROOM RAD		0.000E+00	MR/HR
R02	AREA 2 RADIATION		1.000E+00	MR/HR
R04	CHARGING PUMP ROOM		1.000E-01	MR/HR
R05	FUEL STORAGE BUILDING RAD		2.000E-01	MR/HR
R06	SAMPLE ROOM RAD		6.000E-01	MR/HR
R07	IN CORE INS ROOM RAD		3.000E+00	MR/HR
R08	DRUMMING STATION RAD		8.000E-01	MR/HR
R10	STEAM LINE PENETRATIONS RAD		0.000E+00	R/HR
R11	CNMT AIR PARTICLE RADIATION		2.200E-10	UCI/CC
R12	CONTAINMENT GAS RADIATION		1.400E-06	UCI/CC
R13	PLANT VENT AIR PARTICLE RAD		9.700E+02	CPM
R14	AUX BUILDING EXHAUST RAD		1.500E+03	CPM
R15	STEAM AIR EJECT EXHAUST RAD		0.000E+00	UCI/CC
R16A	CNMT CLNG HX SVC WTR OUT 1R		1.000E-07	UCI/CC
R16B	CNMT CLNG HX SVC WTR OUT 2R		1.000E-07	UCI/CC
R17A	CMPT CLG PUMP SUCT A HEADER RAD		3.000E+02	CPM
R17B	CMPT CLG PUMP SUCT B HEADER RAD		4.000E+02	CPM
R18	LIQUID WASTE DISPOSAL RADIATION		3.500E-06	UCI/CC
R19	STM GENER BLOWDOWN DRAIN 2 RAD	A	1.000E-05	UCI/CC
R23	CCW SERVICE WATER EFFLUENT		1.000E-07	UCI/CC
R25	CONTAINMENT HIGH RAD MONITOR 1		9.200E-02	R/HR
R26	CONTAINMENT HIGH RAD MONITOR 2		9.200E-02	R/HR
R27	PLANT VENT RADIATION		6.800E-08	UCI/S
Y9051A	STACK DISCHARGE AIR FLOW		10.0	KCFM
R59	RAMS BUILDING NOBLE GAS MONITOR		5.100E-09	UCI/CC
R62A	31 MAIN STEAM LINE		2.000E-04	UCI/CC
R62B	32 MAIN STEAM LINE	A	3.500E-01	UCI/CC
R62C	33 MAIN STEAM LINE		2.000E-04	UCI/CC
R62D	34 MAIN STEAM LINE		2.000E-04	UCI/CC
R63A	GROSS FAILED FUEL DETECTOR R63A		9.100E-03	UCI/CC
R63B	GROSS FAILED FUEL DETECTOR R63B		9.100E-03	UCI/CC
R64	PAB 55 FT AREA MONITOR		1.000E-02	MR/HR
R65	PAB 73 FT AREA MONITOR		1.000E-01	MR/HR
R66	PAB 34 FT AREA MONITOR		1.000E-01	MR/HR
R67	PAB 41 FT AREA MONITOR		2.000E-01	MR/HR
R68	PAB 15 FT AREA MONITOR		3.000E+00	MR/HR
R69	PIPE PEN 54 FT AREA MONITOR		4.000E+00	MR/HR
R70	FAN HOUSE 77 FT AREA MONITOR		1.000E-01	MR/HR

A - IN ALARM
U - UNAVAILABLE OR OUT-OF-RANGE
E - ENTERED VALUE
X - OUT OF ALARM CHECKING
S - OUT OF SCAN

- DRILL INFORMATION ONLY -

EP-FORM #31C

IP-3 EQUIPMENT STATUS LOG

DATE: 07/21/93
TIME: 1000

#11

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1			X	
	#32 4			X	
	#33 3			X	
	#34 2			X	
Emergency D/Gs	#31 2A	X			
	#32 6A	X			
	#33 5A			X	
Offsite Power Available	138V			X	
	13.8KV			X	
Gas Turbines (Con Edison)	GT-1			X	
	GT-2			X	
	GT-3			X	
SIS Pumps	#31 5A			X	
	#32 2A			X	
	#33 6A			X	
High Head SIS Flow	#31(GPM)		Ø		
	#32(GPM)		Ø		
	#33(GPM)		Ø		
	#34(GPM)		Ø		
RHR Pumps	#31 3A	X			
	#32 6A			X	
Recirc. Pumps	#31 5A			X	
	#32 6A		X		
Low Head SIS Flow	#31(GPM)		Ø		
	#32(GPM)		Ø		
	#33(GPM)		Ø		
	#34(GPM)		Ø		
Accum. Level	#31 (%)		Ø		
	#32 (%)		Ø		
	#33 (%)		Ø		
	#34 (%)		Ø		

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
RHR Heat Exchangers	#31			X	
	#32	X			
Component Cooling Heat Exchangers	#31		X		
	#32		X		
Hydrogen Recombiner	#31 2A		X		
	#32 6A		X		
Fan Cooler Units	#31 5A			X	
	#32 2A	X			
	#33 5A			X	
	#34 3A	X			
	#35 6A	X			
Aux. Boiler Feed Pumps	#31 3A	X			
	#32		X		
	#33 6A	X			
Containment Spray Pumps	#31 5A			X	
	#32 6A		X		
Charging Pumps	#31 5A			X	
	#32 3A		X		
	#33 6A	X			
Component Cooling Pumps	#31 5A			X	
	#32 2A		X		
	#33 6A	X			
Aux. Component Cooling Pumps	#31 5A			X	
	#32 6A	X			
	#33 5A			X	
	#34 6A	X			
Appendix 'R' D/G			X		

PARAMETER	BUS #	STATUS O	S	OS	ESSENTIAL	NON-ESSENTIAL
Service Water Pumps	#31 5A			X	X	
	#32 2A	X			X	
	#33 6A	X			X	
	#34 5A			X		X
	#35 3A	X				X
	#36 6A		X			X

VC Isolation Valves (Phase A/B valves which are not in required position.)

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM.

S - STANDBY
O - OPERATING
OS - OUT OF SERVICE

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 1015

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 12

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR and All Controllers	Plant status per plant status log #12. Core exit thermocouples are continuing to increase.	CCR operators continue in ECA-3.1. PAR's may be initiated if in a GE.	SAE (GE may be declared)

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

0730	0745	0800	0845	0900	0915	0920
Initial Conditions	R-15 alarms	CCR Supervisory panel alarms lost, Alert to be declared	Fire Control Display Panel alarms for EDG #33 room, Chemist confirms tube leak	SAE to be declared	345 KV Breaker #3 opens, Loss of 138KV & 13.8 KV power	MSL Safety Valve #45-2 lifts, SI actuation Loss of SI pumps #31 & #32

0930	0945	1000	1045	1115	1130-1200
SGTR ~1200 gpm, RHR pump #32 fails	SI pump #33 fails	R62-B alarms GE to be declared	RCS cooling restored	MSL Safety Valve #45-2 closes if not repaired	Drill Terminated

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 1015

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 12

- Plant status per plant status log #12.

- THIS IS A DRILL -

#12

EP FORM 31a

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
1015

	PARAMETER		VALUE	
U1170	INCORE T/C TIME AVG VALUE		570.1	DEG F
U0090	INST VALUE OF HOTTEST INCORE T/C		851.3	DEG F
U0484	RCL AVG TAVG		545.7	DEG F
U0486	RCL HOT AVG T		569.8	DEG F
PT-402	RCS PRESSURE - LOOP 1		385.7	PSIG
PT-403	RCS PRESSURE - LOOP 4		385.7	PSIG
KHTMARCS	LOWEST RCS TEMP SAT MARGIN		-125.5	DEG F
TMARCETA	CET TEMP SAT MAR		-125.5	DEG F
S498AD	RCP #31 STATUS		OFF	
S498BD	RCP #32 STATUS		OFF	
S498CD	RCP #33 STATUS		OFF	
S498DD	RCP #34 STATUS		OFF	
U0483	PRESSURIZER LEVEL 1/2/3 AVG		0.0	PCT
FT-128	CHARGING PUMP DISCHARGE FLOW		65.0	GPM
LT-417D	STEAM GENERATOR #31 W.R. LEVEL		62.4	PCT
LT-427D	STEAM GENERATOR #32 W.R. LEVEL		69.6	PCT
LT-437D	STEAM GENERATOR #33 W.R. LEVEL		61.0	PCT
LT-447D	STEAM GENERATOR #34 W.R. LEVEL		62.3	PCT
U0414	STM GEN A STM P 1/2/3 AVG		531.5	PSIG
U0434	STM GEN B STM P 1/2/3 AVG		245.2	PSIG
U0454	STM GEN C STM P 1/2/3 AVG		488.2	PSIG
U0474	STM GEN D STM P 1/2/3 AVG		492.3	PSIG
U1000	CONTAINMENT P 1/2/3 AVG		0.6	PSIG
FT1200	AUX FD FLOW TO SG #31		0.0	GPM
FT1201	AUX FD FLOW TO SG #32		0.0	GPM
FT1202	AUX FD FLOW TO SG #33		0.0	GPM
FT1203	AUX FD FLOW TO SG #34		0.0	GPM
LT1128	CONDENSATE STORAGE TANK LEVEL		27.5	FT
LT1128A	CONDENSATE STORAGE TANK LEVEL		27.5	FT
TC-1416	CONTAINMENT AVG TEMPERATURE		77.7	DEG F
LT-1255	CONTAINMENT SUMP LEVEL		40.8	FT
LT-1256	CONTAINMENT SUMP LEVEL		40.8	FT
LT-1251	RECIRCULATION SUMP LEVEL		34.3	FT
LT-1252	RECIRCULATION SUMP LEVEL		34.3	FT
LT-920	RWST LEVEL		34.8	FT
LT-931	CHEMICAL SPRAY ADDITIVE TANK LVL		83.4	PCT
HC-MCA	CONTAINMENT H2 CONCENTRATION		0.0	PCT
HC-MCB	CONTAINMENT H2 CONCENTRATION		0.0	PCT
LR002A	RVLIS DYNAMIC HEAD RANGE	U	0.0	PCT
LR002B	RVLIS DYNAMIC HEAD RANGE	U	0.0	PCT
LR001A	RVLIS FULL RANGE		50.0	PCT
LR001B	RVLIS FULL RANGE		50.0	PCT
N-35	INTERMEDIATE RANGE DETECTOR		1.2E-11	AMPS
N-36	INTERMEDIATE RANGE DETECTOR		1.2E-11	AMPS
KISUR	INTERMEDIATE RANGE START-UP RATE		0.0	DECPM
N-31	SOURCE RANGE DETECTOR		1720.2	CPS
N-32	SOURCE RANGE DETECTOR		1720.2	CPS
KSSUR	SOURCE RANGE START-UP RATE		0.0	DECPM
U1169	PWR RNG NUCL CHANNEL RMP AVG Q		0.0	PCT

- DRILL INFORMATION ONLY -

#12

EP FORM 31b

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
1015

	PARAMETER		VALUE	
R01	CONTROL ROOM RAD		0.000E+00	MR/HR
R02	AREA 2 RADIATION		2.200E+00	MR/HR
R04	CHARGING PUMP ROOM		1.000E-01	MR/HR
R05	FUEL STORAGE BUILDING RAD		2.000E-01	MR/HR
R06	SAMPLE ROOM RAD		6.000E-01	MR/HR
R07	IN CORE INS ROOM RAD		3.000E+00	MR/HR
R08	DRUMMING STATION RAD		8.000E-01	MR/HR
R10	STEAM LINE PENETRATIONS RAD		0.000E+00	R/HR
R11	CNMT AIR PARTICLE RADIATION		2.200E-10	UCI/CC
R12	CONTAINMENT GAS RADIATION		1.400E-06	UCI/CC
R13	PLANT VENT AIR PARTICLE RAD		9.500E+02	CPM
R14	AUX BUILDING EXHAUST RAD		1.500E+03	CPM
R15	STEAM AIR EJECT EXHAUST RAD		0.000E+00	UCI/CC
R16A	CNMT CLNG HX SVC WTR OUT 1R		1.000E-07	UCI/CC
R16B	CNMT CLNG HX SVC WTR OUT 2R		1.000E-07	UCI/CC
R17A	CMPT CLG PUMP SUCT A HEADER RAD		3.000E+02	CPM
R17B	CMPT CLG PUMP SUCT B HEADER RAD		4.000E+02	CPM
R18	LIQUID WASTE DISPOSAL RADIATION		3.500E-06	UCI/CC
R19	STM GENER BLOWDOWN DRAIN 2 RAD	A	1.000E-05	UCI/CC
R23	CCW SERVICE WATER EFFLUENT		1.000E-07	UCI/CC
R25	CONTAINMENT HIGH RAD MONITOR 1		9.200E-02	R/HR
R26	CONTAINMENT HIGH RAD MONITOR 2		9.200E-02	R/HR
R27	PLANT VENT RADIATION		6.800E-08	UCI/S
Y9051A	STACK DISCHARGE AIR FLOW		10.0	KCFM
R59	RAMS BUILDING NOBLE GAS MONITOR		5.100E-09	UCI/CC
R62A	31 MAIN STEAM LINE		2.000E-04	UCI/CC
R62B	32 MAIN STEAM LINE	A	1.500E+00	UCI/CC
R62C	33 MAIN STEAM LINE		2.000E-04	UCI/CC
R62D	34 MAIN STEAM LINE		2.000E-04	UCI/CC
R63A	GROSS FAILED FUEL DETECTOR R63A		9.100E-03	UCI/CC
R63B	GROSS FAILED FUEL DETECTOR R63B		9.100E-03	UCI/CC
R64	PAB 55 FT AREA MONITOR		1.000E-02	MR/HR
R65	PAB 73 FT AREA MONITOR		1.000E-01	MR/HR
R66	PAB 34 FT AREA MONITOR		1.000E-01	MR/HR
R67	PAB 41 FT AREA MONITOR		2.000E-01	MR/HR
R68	PAB 15 FT AREA MONITOR		3.000E+00	MR/HR
R69	PIPE PEN 54 FT AREA MONITOR		4.000E+00	MR/HR
R70	FAN HOUSE 77 FT AREA MONITOR		1.000E-01	MR/HR

A - IN ALARM
U - UNAVAILABLE OR OUT-OF-RANGE
E - ENTERED VALUE
X - OUT OF ALARM CHECKING
S - OUT OF SCAN

- DRILL INFORMATION ONLY -

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

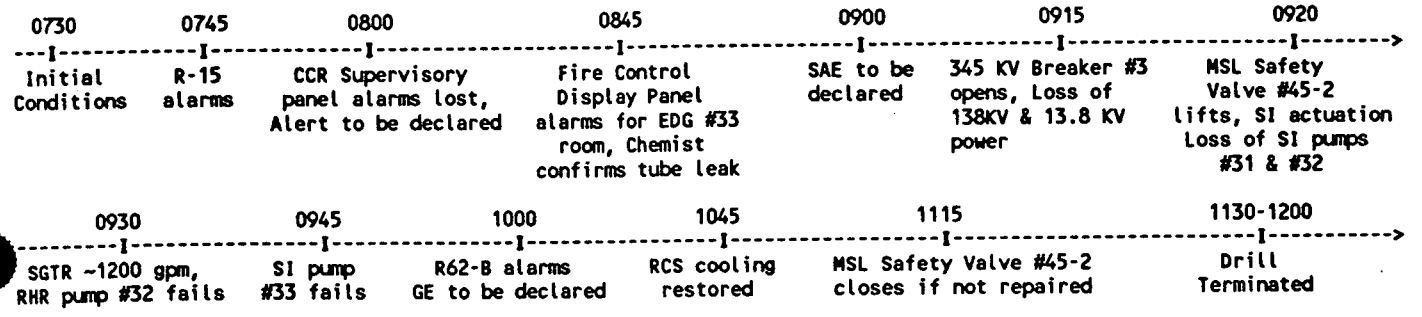
DATE: July 21, 1993 **TIME:** 1030

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 13

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR and All Controllers	Plant status per plant status log #13. Core exit thermocouples are increasing.	PAR's initiated if not already.	GE

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



NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 1030

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 13

- Plant status per plant status log #13.

- THIS IS A DRILL -

#13

EP FORM 31a

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
1030

	PARAMETER		VALUE	
U1170	INCORE T/C TIME AVG VALUE		611.8	DEG F
U0090	INST VALUE OF HOTTEST INCORE T/C		1075.1	DEG F
U0484	RCL AVG TAVG		601.9	DEG F
U0486	RCL HOT AVG T		613.2	DEG F
PT-402	RCS PRESSURE - LOOP 1		397.4	PSIG
PT-403	RCS PRESSURE - LOOP 4		397.4	PSIG
KHTMARCS	LOWEST RCS TEMP SAT MARGIN		-169.0	DEG F
TMARCETA	CET TEMP SAT MAR		-169.0	DEG F
S498AD	RCP #31 STATUS		OFF	
S498BD	RCP #32 STATUS		OFF	
S498CD	RCP #33 STATUS		OFF	
S498DD	RCP #34 STATUS		OFF	
U0483	PRESSURIZER LEVEL 1/2/3 AVG		26.9	PCT
FT-128	CHARGING PUMP DISCHARGE FLOW		65.0	GPM
LT-417D	STEAM GENERATOR #31 W.R. LEVEL		62.2	PCT
LT-427D	STEAM GENERATOR #32 W.R. LEVEL		73.7	PCT
LT-437D	STEAM GENERATOR #33 W.R. LEVEL		60.9	PCT
LT-447D	STEAM GENERATOR #34 W.R. LEVEL		62.1	PCT
U0414	STM GEN A STM P 1/2/3 AVG		469.9	PSIG
U0434	STM GEN B STM P 1/2/3 AVG		131.6	PSIG
U0454	STM GEN C STM P 1/2/3 AVG		436.6	PSIG
U0474	STM GEN D STM P 1/2/3 AVG		438.9	PSIG
U1000	CONTAINMENT P 1/2/3 AVG		0.6	PSIG
FT1200	AUX FD FLOW TO SG #31		0.0	GPM
FT1201	AUX FD FLOW TO SG #32		0.0	GPM
FT1202	AUX FD FLOW TO SG #33		0.0	GPM
FT1203	AUX FD FLOW TO SG #34		0.0	GPM
LT1128	CONDENSATE STORAGE TANK LEVEL		27.8	FT
LT1128A	CONDENSATE STORAGE TANK LEVEL		27.8	FT
TC-1416	CONTAINMENT AVG TEMPERATURE		78.9	DEG F
LT-1255	CONTAINMENT SUMP LEVEL		41.3	FT
LT-1256	CONTAINMENT SUMP LEVEL		41.3	FT
LT-1251	RECIRCULATION SUMP LEVEL		34.3	FT
LT-1252	RECIRCULATION SUMP LEVEL		34.3	FT
LT-920	RWST LEVEL		34.5	FT
LT-931	CHEMICAL SPRAY ADDITIVE TANK LVL		83.4	PCT
HC-MCA	CONTAINMENT H2 CONCENTRATION		0.0	PCT
HC-MCB	CONTAINMENT H2 CONCENTRATION		0.0	PCT
LR002A	RVLIS DYNAMIC HEAD RANGE	U	0.0	PCT
LR002B	RVLIS DYNAMIC HEAD RANGE	U	0.0	PCT
LR001A	RVLIS FULL RANGE		45.1	PCT
LR001B	RVLIS FULL RANGE		45.1	PCT
N-35	INTERMEDIATE RANGE DETECTOR		3.0E-11	AMPS
N-36	INTERMEDIATE RANGE DETECTOR		3.0E-11	AMPS
KISUR	INTERMEDIATE RANGE START-UP RATE		0.0	DECPM
N-31	SOURCE RANGE DETECTOR		17854.6	CPS
N-32	SOURCE RANGE DETECTOR		17854.6	CPS
KSSUR	SOURCE RANGE START-UP RATE		0.3	DECPM
U1169	PWR RNG NUCL CHANNEL RMP AVG Q		0.0	PCT

- DRILL INFORMATION ONLY -

#13

EP FORM 31b

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
1030

	PARAMETER		VALUE	
R01	CONTROL ROOM RAD		0.000E+00	MR/HR
R02	AREA 2 RADIATION		1.500E+01	MR/HR
R04	CHARGING PUMP ROOM		1.000E-01	MR/HR
R05	FUEL STORAGE BUILDING RAD		2.000E-01	MR/HR
R06	SAMPLE ROOM RAD		6.000E-01	MR/HR
R07	IN CORE INS ROOM RAD		3.000E+00	MR/HR
R08	DRUMMING STATION RAD		8.000E-01	MR/HR
R10	STEAM LINE PENETRATIONS RAD		0.000E+00	R/HR
R11	CNMT AIR PARTICLE RADIATION		2.200E-10	UCI/CC
R12	CONTAINMENT GAS RADIATION		1.400E-06	UCI/CC
R13	PLANT VENT AIR PARTICLE RAD		9.300E+02	CPM
R14	AUX BUILDING EXHAUST RAD		1.500E+03	CPM
R15	STEAM AIR EJECT EXHAUST RAD		0.000E+00	UCI/CC
R16A	CNMT CLNG HX SVC WTR OUT 1R		1.000E-07	UCI/CC
R16B	CNMT CLNG HX SVC WTR OUT 2R		1.000E-07	UCI/CC
R17A	CMPT CLG PUMP SUCT A HEADER RAD		3.000E+02	CPM
R17B	CMPT CLG PUMP SUCT B HEADER RAD		4.000E+02	CPM
R18	LIQUID WASTE DISPOSAL RADIATION		3.500E-06	UCI/CC
R19	STM GENER BLOWDOWN DRAIN 2 RAD	A	1.000E-05	UCI/CC
R23	CCW SERVICE WATER EFFLUENT		1.000E-07	UCI/CC
R25	CONTAINMENT HIGH RAD MONITOR 1		9.200E-02	R/HR
R26	CONTAINMENT HIGH RAD MONITOR 2		9.200E-02	R/HR
R27	PLANT VENT RADIATION		6.800E-08	UCI/S
Y9051A	STACK DISCHARGE AIR FLOW		10.0	KCFM
R59	RAMS BUILDING NOBLE GAS MONITOR		5.100E-09	UCI/CC
R62A	31 MAIN STEAM LINE		2.000E-04	UCI/CC
R62B	32 MAIN STEAM LINE	A	1.400E+01	UCI/CC
R62C	33 MAIN STEAM LINE		2.000E-04	UCI/CC
R62D	34 MAIN STEAM LINE		2.000E-04	UCI/CC
R63A	GROSS FAILED FUEL DETECTOR R63A		9.100E-03	UCI/CC
R63B	GROSS FAILED FUEL DETECTOR R63B		9.100E-03	UCI/CC
R64	PAB 55 FT AREA MONITOR		1.000E-02	MR/HR
R65	PAB 73 FT AREA MONITOR		1.000E-01	MR/HR
R66	PAB 34 FT AREA MONITOR		1.000E-01	MR/HR
R67	PAB 41 FT AREA MONITOR		2.000E-01	MR/HR
R68	PAB 15 FT AREA MONITOR		3.000E+00	MR/HR
R69	PIPE PEN 54 FT AREA MONITOR		4.000E+00	MR/HR
R70	FAN HOUSE 77 FT AREA MONITOR		1.000E-01	MR/HR

A - IN ALARM
U - UNAVAILABLE OR OUT-OF-RANGE
E - ENTERED VALUE
X - OUT OF ALARM CHECKING
S - OUT OF SCAN

- DRILL INFORMATION ONLY -

EP-FORM #31C

IP-3 EQUIPMENT STATUS LOG

DATE: 01/21/93
TIME: 1030

#13

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1			X	
	#32 4			X	
	#33 3			X	
	#34 2			X	
Emergency D/Gs	#31 2A	X			
	#32 6A	X			
	#33 5A			X	
Offsite Power Available	138V			X	
	13.8KV			X	
Gas Turbines (Con Edison)	GT-1			X	
	GT-2			X	
	GT-3			X	
SIS Pumps	#31 5A			X	
	#32 2A			X	
	#33 6A			X	
High Head SIS Flow	#31(GPM)	Ø			
	#32(GPM)	Ø			
	#33(GPM)	Ø			
	#34(GPM)	Ø			
RHR Pumps	#31 3A	X			
	#32 6A			X	
Recirc. Pumps	#31 5A			X	
	#32 6A		X		
Low Head SIS Flow	#31(GPM)	Ø			
	#32(GPM)	Ø			
	#33(GPM)	Ø			
	#34(GPM)	Ø			
Accum. Level	#31 (%)	Ø			
	#32 (%)	Ø			
	#33 (%)	Ø			
	#34 (%)	Ø			

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
RHR Heat Exchangers	#31			X	
	#32	X			
Component Cooling Heat Exchangers	#31	X			
	#32	X			
Hydrogen Recombiner	#31 2A		X		
	#32 6A		X		
Fan Cooler Units	#31 5A			X	
	#32 2A	X			
	#33 5A			X	
	#34 3A	X			
	#35 6A	X			
Aux. Boiler Feed Pumps	#31 3A	X			
	#32		X		
	#33 6A	X			
Containment Spray Pumps	#31 5A			X	
	#32 6A		X		
Charging Pumps	#31 5A			X	
	#32 3A		X		
	#33 6A	X			
Component Cooling Pumps	#31 5A			X	
	#32 2A		X		
	#33 6A	X			
Aux. Component Cooling Pumps	#31 5A			X	
	#32 6A	X			
	#33 5A			X	
	#34 6A	X			
Appendix 'R' D/G			X		

PARAMETER	BUS #	STATUS O	S	OS	ESSENTIAL	NON-ESSENTIAL
Service Water Pumps	#31 5A			X	X	
	#32 2A	X			X	
	#33 6A	X			X	
	#34 5A			X		X
	#35 3A	X				X
	#36 6A		X			X

VC Isolation Valves (Phase A/B valves which are not in required position.)

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM.

S - STANDBY
O - OPERATING
OS - OUT OF SERVICE

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

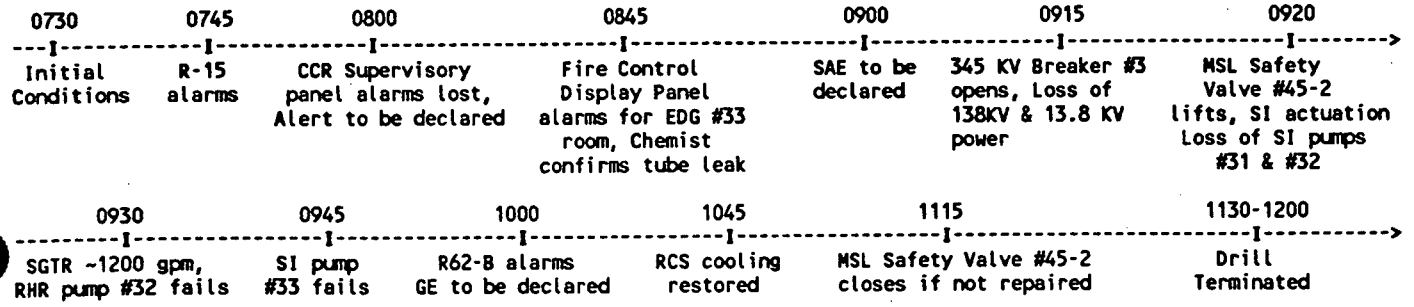
DATE: July 21, 1993 **TIME:** 1045

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 14

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR and All Controllers	Plant status per plant status log #14. Core cooling has been restored. Core exit thermocouples peaked at 1300°F.	PAR's should be upgraded if not already done. CCR operators may have transitioned to FR-C.2.	GE

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



NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 1045

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 14

- Plant status per plant status log #14.

- THIS IS A DRILL -

#14

EP FORM 31a

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
1045

PARAMETER			VALUE	
U1170	INCORE T/C TIME AVG VALUE		681.8	DEG F
U0090	INST VALUE OF HOTTEST INCORE T/C		1300.6	DEG F
U0484	RCL AVG TAVG	U	615.0	DEG F
U0486	RCL HOT AVG T		682.2	DEG F
PT-402	RCS PRESSURE - LOOP 1		441.8	PSIG
PT-403	RCS PRESSURE - LOOP 4		441.8	PSIG
KHTMARCS	LOWEST RCS TEMP SAT MARGIN		-228.0	DEG F
TMARCETA	CET TEMP SAT MAR		-228.0	DEG F
S498AD	RCP #31 STATUS		OFF	
S498BD	RCP #32 STATUS		OFF	
S498CD	RCP #33 STATUS		OFF	
S498DD	RCP #34 STATUS		OFF	
U0483	PRESSURIZER LEVEL 1/2/3 AVG		0.0	PCT
FT-128	CHARGING PUMP DISCHARGE FLOW		65.0	GPM
LT-417D	STEAM GENERATOR #31 W.R. LEVEL		62.4	PCT
LT-427D	STEAM GENERATOR #32 W.R. LEVEL		86.9	PCT
LT-437D	STEAM GENERATOR #33 W.R. LEVEL		60.8	PCT
LT-447D	STEAM GENERATOR #34 W.R. LEVEL		62.1	PCT
U0414	STM GEN A STM P 1/2/3 AVG		544.0	PSIG
U0434	STM GEN B STM P 1/2/3 AVG		343.7	PSIG
U0454	STM GEN C STM P 1/2/3 AVG		544.3	PSIG
U0474	STM GEN D STM P 1/2/3 AVG		543.8	PSIG
U1000	CONTAINMENT P 1/2/3 AVG		0.8	PSIG
FT1200	AUX FD FLOW TO SG #31		0.0	GPM
FT1201	AUX FD FLOW TO SG #32		0.0	GPM
FT1202	AUX FD FLOW TO SG #33		0.0	GPM
FT1203	AUX FD FLOW TO SG #34		0.0	GPM
LT1128	CONDENSATE STORAGE TANK LEVEL		28.3	FT
LT1128A	CONDENSATE STORAGE TANK LEVEL		28.3	FT
TC-1416	CONTAINMENT AVG TEMPERATURE		80.2	DEG F
LT-1255	CONTAINMENT SUMP LEVEL		41.9	FT
LT-1256	CONTAINMENT SUMP LEVEL		41.9	FT
LT-1251	RECIRCULATION SUMP LEVEL		34.3	FT
LT-1252	RECIRCULATION SUMP LEVEL		34.3	FT
LT-920	RWST LEVEL		33.9	FT
LT-931	CHEMICAL SPRAY ADDITIVE TANK LVL		83.4	PCT
HC-MCA	CONTAINMENT H2 CONCENTRATION		0.0	PCT
HC-MCB	CONTAINMENT H2 CONCENTRATION		0.0	PCT
LR002A	RVLIS DYNAMIC HEAD RANGE	U	0.0	PCT
LR002B	RVLIS DYNAMIC HEAD RANGE	U	0.0	PCT
LR001A	RVLIS FULL RANGE		42.8	PCT
LR001B	RVLIS FULL RANGE		42.8	PCT
N-35	INTERMEDIATE RANGE DETECTOR		1.1E-11	AMPS
N-36	INTERMEDIATE RANGE DETECTOR		1.1E-11	AMPS
KISUR	INTERMEDIATE RANGE START-UP RATE		0.1	DECPM
N-31	SOURCE RANGE DETECTOR		952.4	CPS
N-32	SOURCE RANGE DETECTOR		952.4	CPS
KSSUR	SOURCE RANGE START-UP RATE		0.1	DECPM
U1169	PWR RNG NUCL CHANNEL RMP AVG Q		0.0	PCT

- DRILL INFORMATION ONLY -

#14

EP FORM 31b

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
1045

	PARAMETER		VALUE	
R01	CONTROL ROOM RAD		0.000E+00	MR/HR
R02	AREA 2 RADIATION	A	3.100E+01	MR/HR
R04	CHARGING PUMP ROOM		1.000E-01	MR/HR
R05	FUEL STORAGE BUILDING RAD		2.000E-01	MR/HR
R06	SAMPLE ROOM RAD		6.000E-01	MR/HR
R07	IN CORE INS ROOM RAD		5.000E+00	MR/HR
R08	DRUMMING STATION RAD		8.000E-01	MR/HR
R10	STEAM LINE PENETRATIONS RAD		0.000E+00	R/HR
R11	CNMT AIR PARTICLE RADIATION		2.200E-10	UCI/CC
R12	CONTAINMENT GAS RADIATION		1.400E-06	UCI/CC
R13	PLANT VENT AIR PARTICLE RAD		9.100E+02	CPM
R14	AUX BUILDING EXHAUST RAD		1.500E+03	CPM
R15	STEAM AIR EJECT EXHAUST RAD		0.000E+00	UCI/CC
R16A	CNMT CLNG HX SVC WTR OUT 1R		1.000E-07	UCI/CC
R16B	CNMT CLNG HX SVC WTR OUT 2R		1.000E-07	UCI/CC
R17A	CMPT CLG PUMP SUCT A HEADER RAD		3.000E+02	CPM
R17B	CMPT CLG PUMP SUCT B HEADER RAD		4.000E+02	CPM
R18	LIQUID WASTE DISPOSAL RADIATION		3.500E-06	UCI/CC
R19	STM GENER BLOWDOWN DRAIN 2 RAD	A	1.000E-05	UCI/CC
R23	CCW SERVICE WATER EFFLUENT		1.000E-07	UCI/CC
R25	CONTAINMENT HIGH RAD MONITOR 1		9.200E-02	R/HR
R26	CONTAINMENT HIGH RAD MONITOR 2		9.200E-02	R/HR
R27	PLANT VENT RADIATION		6.800E-08	UCI/S
Y9051A	STACK DISCHARGE AIR FLOW		10.0	KCFM
R59	RAMS BUILDING NOBLE GAS MONITOR		5.100E-09	UCI/CC
R62A	31 MAIN STEAM LINE		2.000E-04	UCI/CC
R62B	32 MAIN STEAM LINE	A	3.000E+01	UCI/CC
R62C	33 MAIN STEAM LINE		2.000E-04	UCI/CC
R62D	34 MAIN STEAM LINE		2.000E-04	UCI/CC
R63A	GROSS FAILED FUEL DETECTOR R63A		9.100E-03	UCI/CC
R63B	GROSS FAILED FUEL DETECTOR R63B		9.100E-03	UCI/CC
R64	PAB 55 FT AREA MONITOR		1.000E-02	MR/HR
R65	PAB 73 FT AREA MONITOR		1.000E-01	MR/HR
R66	PAB 34 FT AREA MONITOR		1.000E-01	MR/HR
R67	PAB 41 FT AREA MONITOR		2.000E-01	MR/HR
R68	PAB 15 FT AREA MONITOR		3.000E+00	MR/HR
R69	PIPE PEN 54 FT AREA MONITOR		4.000E+00	MR/HR
R70	FAN HOUSE 77 FT AREA MONITOR		1.000E-01	MR/HR

A - IN ALARM
U - UNAVAILABLE OR OUT-OF-RANGE
E - ENTERED VALUE
X - OUT OF ALARM CHECKING
S - OUT OF SCAN

- DRILL INFORMATION ONLY -

EP-FORM #31C

IP-3 EQUIPMENT STATUS LOG

DATE: 07/21/93
TIME: 1045

#14

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1			X	
	#32 4			X	
	#33 3			X	
	#34 2			X	
Emergency D/Gs	#31 2A	X			
	#32 6A	X			
	#33 5A			X	
Offsite Power Available	138V			X	
	13.8KV	X			
Gas Turbines (Con Edison)	GT-1			X	
	GT-2			X	
	GT-3			X	
SIS Pumps	#31 5A		X		
	#32 2A	X			
	#33 6A			X	
High Head SIS Flow	#31(GPM)	100			
	#32(GPM)	100			
	#33(GPM)	100			
	#34(GPM)	100			
RHR Pumps	#31 3A	X			
	#32 6A			X	
Recirc. Pumps	#31 5A		X		
	#32 6A		X		
Low Head SIS Flow	#31(GPM)	Ø			
	#32(GPM)	Ø			
	#33(GPM)	Ø			
	#34(GPM)	Ø			
Accum. Level	#31 (%)	Ø			
	#32 (%)	Ø			
	#33 (%)	Ø			
	#34 (%)	Ø			

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
RHR Heat Exchangers	#31	X			
	#32	X			
Component Cooling Heat Exchangers	#31	X			
	#32	X			
Hydrogen Recombiner	#31 2A		X		
	#32 6A		X		
Fan Cooler Units	#31 5A		X		
	#32 2A	X			
	#33 5A		X		
	#34 3A	X			
	#35 6A	X			
Aux. Boiler Feed Pumps	#31 3A	X			
	#32		X		
	#33 6A	X			
Containment Spray Pumps	#31 5A		X		
	#32 6A		X		
Charging Pumps	#31 5A		X		
	#32 3A		X		
	#33 6A	X			
Component Cooling Pumps	#31 5A		X		
	#32 2A		X		
	#33 6A	X			
Aux. Component Cooling Pumps	#31 5A		X		
	#32 6A		X		
	#33 5A		X		
	#34 6A		X		
Appendix 'R' D/G			X		

PARAMETER	BUS #	STATUS O	S	OS	ESSENTIAL	NON-ESSENTIAL
Service Water Pumps	#31 5A		X		X	
	#32 2A	X			X	
	#33 6A	X			X	
	#34 5A		X			X
	#35 3A	X				X
	#36 6A		X			X

VC Isolation Valves (Phase A/B valves which are not in required position.)

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM.

S - STANDBY
O - OPERATING
OS - OUT OF SERVICE

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

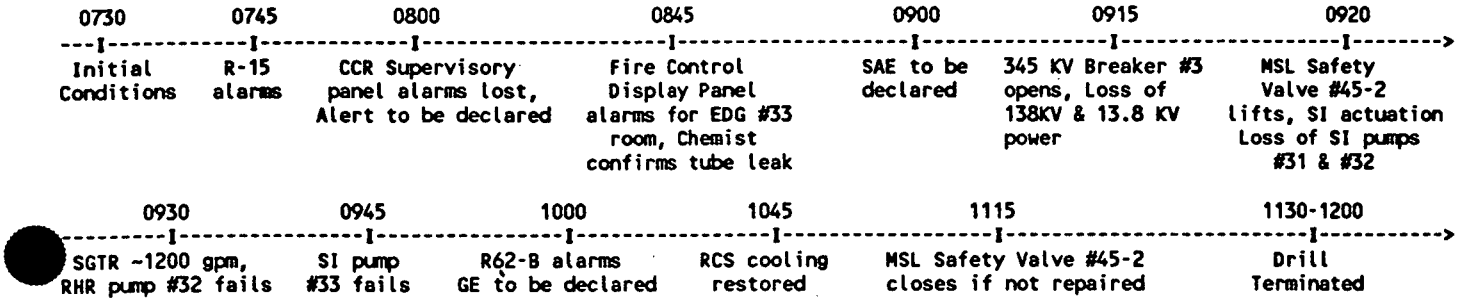
DATE: July 21, 1993 **TIME:** 1100

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 15

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR and All Controllers	Plant status per plant status log #15. Core cooling continuing. Core exit thermocouple readings are decreasing.	Continue accident assessment.	GE

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



NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 1100

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 15

- Plant status per plant status log #15.

- THIS IS A DRILL -

#15

EP FORM 31a

INDIAN POINT UNIT 3 07/21/93
EMERGENCY PLANT STATUS REPORT 1100

PARAMETER			VALUE	
U1170	INCORE T/C TIME AVG VALUE		642.8	DEG F
U0090	INST VALUE OF HOTTEST INCORE T/C		1248.8	DEG F
U0484	RCL AVG TAVG	U	615.0	DEG F
U0486	RCL HOT AVG T		644.7	DEG F
PT-402	RCS PRESSURE - LOOP 1		299.9	PSIG
PT-403	RCS PRESSURE - LOOP 4		299.9	PSIG
KHTMARCS	LOWEST RCS TEMP SAT MARGIN		-327.7	DEG F
TMARCETA	CET TEMP SAT MAR		-327.7	DEG F
S498AD	RCP #31 STATUS		OFF	
S498BD	RCP #32 STATUS		OFF	
S498CD	RCP #33 STATUS		OFF	
S498DD	RCP #34 STATUS		OFF	
U0483	PRESSURIZER LEVEL 1/2/3 AVG		0.0	PCT
FT-128	CHARGING PUMP DISCHARGE FLOW		65.0	GPM
LT-417D	STEAM GENERATOR #31 W.R. LEVEL		62.9	PCT
LT-427D	STEAM GENERATOR #32 W.R. LEVEL		84.8	PCT
LT-437D	STEAM GENERATOR #33 W.R. LEVEL		61.2	PCT
LT-447D	STEAM GENERATOR #34 W.R. LEVEL		62.5	PCT
U0414	STM GEN A STM P 1/2/3 AVG		463.2	PSIG
U0434	STM GEN B STM P 1/2/3 AVG		235.5	PSIG
U0454	STM GEN C STM P 1/2/3 AVG		465.7	PSIG
U0474	STM GEN D STM P 1/2/3 AVG		463.4	PSIG
U1000	CONTAINMENT P 1/2/3 AVG		0.9	PSIG
FT1200	AUX FD FLOW TO SG #31		0.0	GPM
FT1201	AUX FD FLOW TO SG #32		0.0	GPM
FT1202	AUX FD FLOW TO SG #33		0.0	GPM
FT1203	AUX FD FLOW TO SG #34		0.0	GPM
LT1128	CONDENSATE STORAGE TANK LEVEL		28.7	FT
LT1128A	CONDENSATE STORAGE TANK LEVEL		28.7	FT
TC-1416	CONTAINMENT AVG TEMPERATURE		81.0	DEG F
LT-1255	CONTAINMENT SUMP LEVEL		41.9	FT
LT-1256	CONTAINMENT SUMP LEVEL		41.9	FT
LT-1251	RECIRCULATION SUMP LEVEL		34.3	FT
LT-1252	RECIRCULATION SUMP LEVEL		34.3	FT
LT-920	RWST LEVEL		32.1	FT
LT-931	CHEMICAL SPRAY ADDITIVE TANK LVL		83.4	PCT
HC-MCA	CONTAINMENT H2 CONCENTRATION		0.0	PCT
HC-MCB	CONTAINMENT H2 CONCENTRATION		0.0	PCT
LR002A	RVLIS DYNAMIC HEAD RANGE	U	0.0	PCT
LR002B	RVLIS DYNAMIC HEAD RANGE	U	0.0	PCT
LR001A	RVLIS FULL RANGE		65.6	PCT
LR001B	RVLIS FULL RANGE		65.6	PCT
N-35	INTERMEDIATE RANGE DETECTOR		1.0E-11	AMPS
N-36	INTERMEDIATE RANGE DETECTOR		1.0E-11	AMPS
KISUR	INTERMEDIATE RANGE START-UP RATE		0.1	DECPM
N-31	SOURCE RANGE DETECTOR		652.6	CPS
N-32	SOURCE RANGE DETECTOR		652.6	CPS
KSSUR	SOURCE RANGE START-UP RATE		0.0	DECPM
U1169	PWR RNG NUCL CHANNEL RMP AVG Q		0.0	PCT

- DRILL INFORMATION ONLY -

#15

EP FORM 31b

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
1100

	PARAMETER		VALUE	
R01	CONTROL ROOM RAD		0.000E+00	MR/HR
R02	AREA 2 RADIATION		1.100E+01	MR/HR
R04	CHARGING PUMP ROOM		1.000E-01	MR/HR
R05	FUEL STORAGE BUILDING RAD		2.000E-01	MR/HR
R06	SAMPLE ROOM RAD		6.000E-01	MR/HR
R07	IN CORE INS ROOM RAD		3.000E+00	MR/HR
R08	DRUMMING STATION RAD		8.000E-01	MR/HR
R10	STEAM LINE PENETRATIONS RAD		0.000E+00	R/HR
R11	CNMT AIR PARTICLE RADIATION		2.200E-10	UCI/CC
R12	CONTAINMENT GAS RADIATION		1.400E-06	UCI/CC
R13	PLANT VENT AIR PARTICLE RAD		8.900E+02	CPM
R14	AUX BUILDING EXHAUST RAD		1.500E+03	CPM
R15	STEAM AIR EJECT EXHAUST RAD		0.000E+00	UCI/CC
R16A	CNMT CLNG HX SVC WTR OUT 1R		1.000E-07	UCI/CC
R16B	CNMT CLNG HX SVC WTR OUT 2R		1.000E-07	UCI/CC
R17A	CMPT CLG PUMP SUCT A HEADER RAD		3.000E+02	CPM
R17B	CMPT CLG PUMP SUCT B HEADER RAD		4.000E+02	CPM
R18	LIQUID WASTE DISPOSAL RADIATION		3.500E-06	UCI/CC
R19	STM GENER BLOWDOWN DRAIN 2 RAD	A	1.000E-05	UCI/CC
R23	CCW SERVICE WATER EFFLUENT		1.000E-07	UCI/CC
R25	CONTAINMENT HIGH RAD MONITOR 1		9.200E-02	R/HR
R26	CONTAINMENT HIGH RAD MONITOR 2		9.200E-02	R/HR
R27	PLANT VENT RADIATION		6.800E-08	UCI/S
Y9051A	STACK DISCHARGE AIR FLOW		10.0	KCFM
R59	RAMS BUILDING NOBLE GAS MONITOR		5.100E-09	UCI/CC
R62A	31 MAIN STEAM LINE		2.000E-04	UCI/CC
R62B	32 MAIN STEAM LINE	A	9.700E+00	UCI/CC
R62C	33 MAIN STEAM LINE		2.000E-04	UCI/CC
R62D	34 MAIN STEAM LINE		2.000E-04	UCI/CC
R63A	GROSS FAILED FUEL DETECTOR R63A		9.100E-03	UCI/CC
R63B	GROSS FAILED FUEL DETECTOR R63B		9.100E-03	UCI/CC
R64	PAB 55 FT AREA MONITOR		1.000E-02	MR/HR
R65	PAB 73 FT AREA MONITOR		1.000E-01	MR/HR
R66	PAB 34 FT AREA MONITOR		1.000E-01	MR/HR
R67	PAB 41 FT AREA MONITOR		2.000E-01	MR/HR
R68	PAB 15 FT AREA MONITOR		3.000E+00	MR/HR
R69	PIPE PEN 54 FT AREA MONITOR		4.000E+00	MR/HR
R70	FAN HOUSE 77 FT AREA MONITOR		1.000E-01	MR/HR

A - IN ALARM
U - UNAVAILABLE OR OUT-OF-RANGE
E - ENTERED VALUE
X - OUT OF ALARM CHECKING
S - OUT OF SCAN

- DRILL INFORMATION ONLY -

EP-FORM #31C

IP-3 EQUIPMENT STATUS LOG

#15

DATE: 04/21/93
TIME: 1100

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1			X	
	#32 4			X	
	#33 3			X	
	#34 2			X	
Emergency D/Gs	#31 2A	X			
	#32 6A	X			
	#33 5A			X	
Offsite Power Available	138V			X	
	13.8KV	X			
Gas Turbines (Con Edison)	GT-1			X	
	GT-2			X	
	GT-3			X	
SIS Pumps	#31 5A	X			
	#32 2A	X			
	#33 6A			X	
High Head SIS Flow	#31(GPM)	200			
	#32(GPM)	200			
	#33(GPM)	200			
	#34(GPM)	200			
RHR Pumps	#31 3A	X			
	#32 6A			X	
Recirc. Pumps	#31 5A		X		
	#32 6A		X		
Low Head SIS Flow	#31(GPM)	Ø			
	#32(GPM)	Ø			
	#33(GPM)	Ø			
	#34(GPM)	Ø			
Accum. Level	#31 (%)	Ø			
	#32 (%)	Ø			
	#33 (%)	Ø			
	#34 (%)	Ø			

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
RHR Heat Exchangers	#31	X			
	#32	X			
Component Cooling Heat Exchangers	#31	X			
	#32	X			
Hydrogen Recombiner	#31 2A		X		
	#32 6A		X		
Fan Cooler Units	#31 5A	X			
	#32 2A	X			
	#33 5A	X			
	#34 3A	X			
	#35 6A	X			
Aux. Boiler Feed Pumps	#31 3A	X			
	#32		X		
	#33 6A	X			
Containment Spray Pumps	#31 5A		X		
	#32 6A		X		
Charging Pumps	#31 5A		X		
	#32 3A		X		
	#33 6A	X			
Component Cooling Pumps	#31 5A		X		
	#32 2A		X		
	#33 6A	X			
Aux. Component Cooling Pumps	#31 5A		X		
	#32 6A		X		
	#33 5A		X		
	#34 6A		X		
Appendix 'R' D/G			X		

PARAMETER	BUS #	STATUS O	S	OS	ESSENTIAL	NON-ESSENTIAL
Service Water Pumps	#31 5A	X			X	
	#32 2A	X			X	
	#33 6A	X			X	
	#34 5A		X			X
	#35 3A	X				X
	#36 6A		X			X

VC Isolation Valves (Phase A/B valves which are not in required position.)

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM.

S - STANDBY
O - OPERATING
OS - OUT OF SERVICE

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

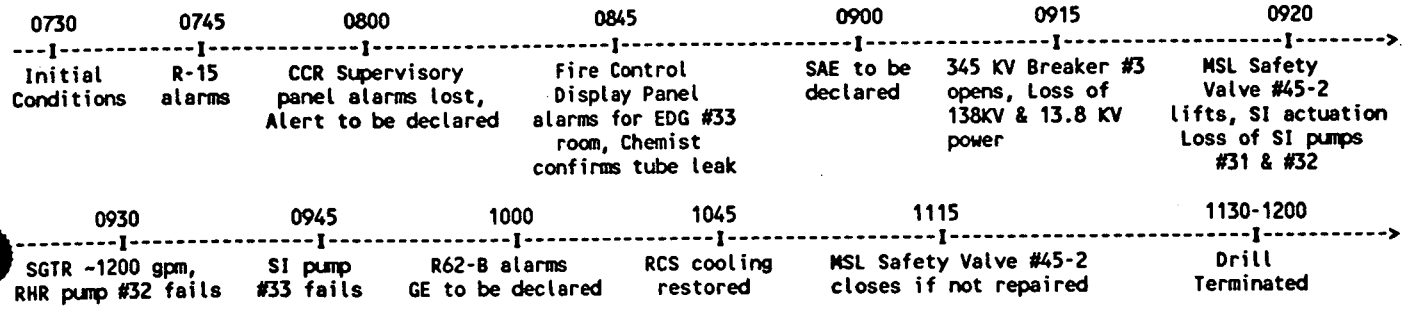
DATE: July 21, 1993 **TIME:** 1115

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 16

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR and All Controllers	Plant status per plant status log #16. RCS temperature ~350°F. MSL Safety Valve #45-2 is closed. Release has been secured.	Continue accident assessment.	GE

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



NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 1115

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 16

- Plant status per plant status log #16.

- THIS IS A DRILL -

#16

EP FORM 31a

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
1115

	PARAMETER		VALUE	
U1170	INCORE T/C TIME AVG VALUE		440.5	DEG F
U0090	INST VALUE OF HOTTEST INCORE T/C		1093.7	DEG F
U0484	RCL AVG TAVG	U	540.0	DEG F
U0486	RCL HOT AVG T		455.8	DEG F
PT-402	RCS PRESSURE - LOOP 1		245.4	PSIG
PT-403	RCS PRESSURE - LOOP 4		245.4	PSIG
KHTMARCS	LOWEST RCS TEMP SAT MARGIN		-50.1	DEG F
TMARCETA	CET TEMP SAT MAR		-50.1	DEG F
S498AD	RCP #31 STATUS		OFF	
S498BD	RCP #32 STATUS		OFF	
S498CD	RCP #33 STATUS		OFF	
S498DD	RCP #34 STATUS		OFF	
U0483	PRESSURIZER LEVEL 1/2/3 AVG		0.0	PCT
FT-128	CHARGING PUMP DISCHARGE FLOW		65.0	GPM
LT-417D	STEAM GENERATOR #31 W.R. LEVEL		66.7	PCT
LT-427D	STEAM GENERATOR #32 W.R. LEVEL		92.4	PCT
LT-437D	STEAM GENERATOR #33 W.R. LEVEL		63.6	PCT
LT-447D	STEAM GENERATOR #34 W.R. LEVEL		65.6	PCT
U0414	STM GEN A STM P 1/2/3 AVG		320.8	PSIG
U0434	STM GEN B STM P 1/2/3 AVG		163.8	PSIG
U0454	STM GEN C STM P 1/2/3 AVG		345.7	PSIG
U0474	STM GEN D STM P 1/2/3 AVG		329.6	PSIG
U1000	CONTAINMENT P 1/2/3 AVG		1.0	PSIG
FT1200	AUX FD FLOW TO SG #31		0.0	GPM
FT1201	AUX FD FLOW TO SG #32		0.0	GPM
FT1202	AUX FD FLOW TO SG #33		0.0	GPM
FT1203	AUX FD FLOW TO SG #34		0.0	GPM
LT1128	CONDENSATE STORAGE TANK LEVEL		29.2	FT
LT1128A	CONDENSATE STORAGE TANK LEVEL		29.2	FT
TC-1416	CONTAINMENT AVG TEMPERATURE		81.8	DEG F
LT-1255	CONTAINMENT SUMP LEVEL		42.1	FT
LT-1256	CONTAINMENT SUMP LEVEL		42.1	FT
LT-1251	RECIRCULATION SUMP LEVEL		34.3	FT
LT-1252	RECIRCULATION SUMP LEVEL		34.3	FT
LT-920	RWST LEVEL		30.2	FT
LT-931	CHEMICAL SPRAY ADDITIVE TANK LVL		83.4	PCT
HC-MCA	CONTAINMENT H2 CONCENTRATION		0.0	PCT
HC-MCB	CONTAINMENT H2 CONCENTRATION		0.0	PCT
LR002A	RVLIS DYNAMIC HEAD RANGE	U	0.0	PCT
LR002B	RVLIS DYNAMIC HEAD RANGE	U	0.0	PCT
LR001A	RVLIS FULL RANGE		77.9	PCT
LR001B	RVLIS FULL RANGE		77.9	PCT
N-35	INTERMEDIATE RANGE DETECTOR		1.0E-11	AMPS
N-36	INTERMEDIATE RANGE DETECTOR		1.0E-11	AMPS
KISUR	INTERMEDIATE RANGE START-UP RATE		0.1	DECPM
N-31	SOURCE RANGE DETECTOR		576.2	CPS
N-32	SOURCE RANGE DETECTOR		576.2	CPS
KSSUR	SOURCE RANGE START-UP RATE		0.1	DECPM
U1169	PWR RNG NUCL CHANNEL RMP AVG Q		0.0	PCT

- DRILL INFORMATION ONLY -

#16

EP FORM 31b

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
1115

	PARAMETER		VALUE	
R01	CONTROL ROOM RAD		0.000E+00	MR/HR
R02	AREA 2 RADIATION		1.100E+01	MR/HR
R04	CHARGING PUMP ROOM		1.000E-01	MR/HR
R05	FUEL STORAGE BUILDING RAD		2.000E-01	MR/HR
R06	SAMPLE ROOM RAD		6.000E-01	MR/HR
R07	IN CORE INS ROOM RAD		3.000E+00	MR/HR
R08	DRUMMING STATION RAD		8.000E-01	MR/HR
R10	STEAM LINE PENETRATIONS RAD		0.000E+00	R/HR
R11	CNMT AIR PARTICLE RADIATION		2.200E-10	UCI/CC
R12	CONTAINMENT GAS RADIATION		1.400E-06	UCI/CC
R13	PLANT VENT AIR PARTICLE RAD		8.700E+02	CPM
R14	AUX BUILDING EXHAUST RAD		1.500E+03	CPM
R15	STEAM AIR EJECT EXHAUST RAD		0.000E+00	UCI/CC
R16A	CNMT CLNG HX SVC WTR OUT 1R		1.000E-07	UCI/CC
R16B	CNMT CLNG HX SVC WTR OUT 2R		1.000E-07	UCI/CC
R17A	CMPT CLG PUMP SUCT A HEADER RAD		3.000E+02	CPM
R17B	CMPT CLG PUMP SUCT B HEADER RAD		4.000E+02	CPM
R18	LIQUID WASTE DISPOSAL RADIATION		3.500E-06	UCI/CC
R19	STM GENER BLOWDOWN DRAIN 2 RAD	A	1.000E-05	UCI/CC
R23	CCW SERVICE WATER EFFLUENT		1.000E-07	UCI/CC
R25	CONTAINMENT HIGH RAD MONITOR 1		9.200E-02	R/HR
R26	CONTAINMENT HIGH RAD MONITOR 2		9.200E-02	R/HR
R27	PLANT VENT RADIATION		6.800E-08	UCI/S
Y9051A	STACK DISCHARGE AIR FLOW		10.0	KCFM
R59	RAMS BUILDING NOBLE GAS MONITOR		5.100E-09	UCI/CC
R62A	31 MAIN STEAM LINE		2.000E-04	UCI/CC
R62B	32 MAIN STEAM LINE		4.000E-04	UCI/CC
R62C	33 MAIN STEAM LINE		2.000E-04	UCI/CC
R62D	34 MAIN STEAM LINE		2.000E-04	UCI/CC
R63A	GROSS FAILED FUEL DETECTOR R63A		9.100E-03	UCI/CC
R63B	GROSS FAILED FUEL DETECTOR R63B		9.100E-03	UCI/CC
R64	PAB 55 FT AREA MONITOR		1.000E-02	MR/HR
R65	PAB 73 FT AREA MONITOR		1.000E-01	MR/HR
R66	PAB 34 FT AREA MONITOR		1.000E-01	MR/HR
R67	PAB 41 FT AREA MONITOR		2.000E-01	MR/HR
R68	PAB 15 FT AREA MONITOR		3.000E+00	MR/HR
R69	PIPE PEN 54 FT AREA MONITOR		4.000E+00	MR/HR
R70	FAN HOUSE 77 FT AREA MONITOR		1.000E-01	MR/HR

A - IN ALARM
U - UNAVAILABLE OR OUT-OF-RANGE
E - ENTERED VALUE
X - OUT OF ALARM CHECKING
S - OUT OF SCAN

- DRILL INFORMATION ONLY -

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 1130

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 17

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR and All Controllers	Plant status per plant status log #17. Cool down continues.	Continue accident assessment.	GE

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

0730	0745	0800	0845	0900	0915	0920
Initial Conditions	R-15 alarms	CCR Supervisory panel alarms lost, Alert to be declared	Fire Control Display Panel alarms for EDG #33 room, Chemist confirms tube leak	SAE to be declared	345 KV Breaker #3 opens, Loss of 138KV & 13.8 KV power	MSL Safety Valve #45-2 lifts, SI actuation Loss of SI pumps #31 & #32

0930	0945	1000	1045	1115	1130-1200
SGTR ~1200 gpm, RHR pump #32 fails	SI pump #33 fails	R62-B alarms GE to be declared	RCS cooling restored	MSL Safety Valve #45-2 closes if not repaired	Drill Terminated

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 1130

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 17

- Plant status per plant status log #17.

- THIS IS A DRILL -

#17

EP FORM 31a

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
1130

PARAMETER			VALUE	
U1170	INCORE T/C TIME AVG VALUE		368.2	DEG F
U0090	INST VALUE OF HOTTEST INCORE T/C		896.3	DEG F
U0484	RCL AVG TAVG	U	540.0	DEG F
U0486	RCL HOT AVG T		369.2	DEG F
PT-402	RCS PRESSURE - LOOP 1		150.4	PSIG
PT-403	RCS PRESSURE - LOOP 4		150.4	PSIG
KHTMARCS	LOWEST RCS TEMP SAT MARGIN		-12.5	DEG F
TMARCETA	CET TEMP SAT MAR		-12.5	DEG F
S498AD	RCP #31 STATUS		OFF	
S498BD	RCP #32 STATUS		OFF	
S498CD	RCP #33 STATUS		OFF	
S498DD	RCP #34 STATUS		OFF	
U0483	PRESSURIZER LEVEL 1/2/3 AVG		0.0	PCT
FT-128	CHARGING PUMP DISCHARGE FLOW		125.0	GPM
LT-417D	STEAM GENERATOR #31 W.R. LEVEL		67.4	PCT
LT-427D	STEAM GENERATOR #32 W.R. LEVEL		92.2	PCT
LT-437D	STEAM GENERATOR #33 W.R. LEVEL		65.6	PCT
LT-447D	STEAM GENERATOR #34 W.R. LEVEL		66.8	PCT
U0414	STM GEN A STM P 1/2/3 AVG		150.2	PSIG
U0434	STM GEN B STM P 1/2/3 AVG		175.7	PSIG
U0454	STM GEN C STM P 1/2/3 AVG		151.6	PSIG
U0474	STM GEN D STM P 1/2/3 AVG		152.1	PSIG
U1000	CONTAINMENT P 1/2/3 AVG		1.0	PSIG
FT1200	AUX FD FLOW TO SG #31		174.9	GPM
FT1201	AUX FD FLOW TO SG #32		0.0	GPM
FT1202	AUX FD FLOW TO SG #33		183.8	GPM
FT1203	AUX FD FLOW TO SG #34		183.7	GPM
LT1128	CONDENSATE STORAGE TANK LEVEL		29.2	FT
LT1128A	CONDENSATE STORAGE TANK LEVEL		29.2	FT
TC-1416	CONTAINMENT AVG TEMPERATURE		82.1	DEG F
LT-1255	CONTAINMENT SUMP LEVEL		42.3	FT
LT-1256	CONTAINMENT SUMP LEVEL		42.3	FT
LT-1251	RECIRCULATION SUMP LEVEL		34.3	FT
LT-1252	RECIRCULATION SUMP LEVEL		34.3	FT
LT-920	RWST LEVEL		28.9	FT
LT-931	CHEMICAL SPRAY ADDITIVE TANK LVL		83.4	PCT
HC-MCA	CONTAINMENT H2 CONCENTRATION		0.0	PCT
HC-MCB	CONTAINMENT H2 CONCENTRATION		0.0	PCT
LR002A	RVLIS DYNAMIC HEAD RANGE	U	0.0	PCT
LR002B	RVLIS DYNAMIC HEAD RANGE	U	0.0	PCT
LR001A	RVLIS FULL RANGE		80.5	PCT
LR001B	RVLIS FULL RANGE		80.5	PCT
N-35	INTERMEDIATE RANGE DETECTOR		1.0E-11	AMPS
N-36	INTERMEDIATE RANGE DETECTOR		1.0E-11	AMPS
KISUR	INTERMEDIATE RANGE START-UP RATE		0.1	DECPM
N-31	SOURCE RANGE DETECTOR		566.1	CPS
N-32	SOURCE RANGE DETECTOR		566.1	CPS
KSSUR	SOURCE RANGE START-UP RATE		0.1	DECPM
U1169	PWR RNG NUCL CHANNEL RMP AVG Q		0.0	PCT

- DRILL INFORMATION ONLY -

#17

EP FORM 31b

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
1130

	PARAMETER		VALUE	
R01	CONTROL ROOM RAD		0.000E+00	MR/HR
R02	AREA 2 RADIATION		1.100E+01	MR/HR
R04	CHARGING PUMP ROOM		1.000E-01	MR/HR
R05	FUEL STORAGE BUILDING RAD		2.000E-01	MR/HR
R06	SAMPLE ROOM RAD		6.000E-01	MR/HR
R07	IN CORE INS ROOM RAD		3.000E+00	MR/HR
R08	DRUMMING STATION RAD		8.000E-01	MR/HR
R10	STEAM LINE PENETRATIONS RAD		0.000E+00	R/HR
R11	CNMT AIR PARTICLE RADIATION		2.200E-10	UCI/CC
R12	CONTAINMENT GAS RADIATION		1.400E-06	UCI/CC
R13	PLANT VENT AIR PARTICLE RAD		8.500E+02	CPM
R14	AUX BUILDING EXHAUST RAD		1.500E+03	CPM
R15	STEAM AIR EJECT EXHAUST RAD		0.000E+00	UCI/CC
R16A	CNMT CLNG HX SVC WTR OUT 1R		1.000E-07	UCI/CC
R16B	CNMT CLNG HX SVC WTR OUT 2R		1.000E-07	UCI/CC
R17A	CMPT CLG PUMP SUCT A HEADER RAD		3.000E+02	CPM
R17B	CMPT CLG PUMP SUCT B HEADER RAD		4.000E+02	CPM
R18	LIQUID WASTE DISPOSAL RADIATION		3.500E-06	UCI/CC
R19	STM GENER BLOWDOWN DRAIN 2 RAD	A	1.000E-05	UCI/CC
R23	CCW SERVICE WATER EFFLUENT		1.000E-07	UCI/CC
R25	CONTAINMENT HIGH RAD MONITOR 1		9.200E-02	R/HR
R26	CONTAINMENT HIGH RAD MONITOR 2		9.200E-02	R/HR
R27	PLANT VENT RADIATION		6.800E-08	UCI/S
Y9051A	STACK DISCHARGE AIR FLOW		10.0	KCFM
R59	RAMS BUILDING NOBLE GAS MONITOR		5.100E-09	UCI/CC
R62A	31 MAIN STEAM LINE		2.000E-04	UCI/CC
R62B	32 MAIN STEAM LINE		4.000E-04	UCI/CC
R62C	33 MAIN STEAM LINE		2.000E-04	UCI/CC
R62D	34 MAIN STEAM LINE		2.000E-04	UCI/CC
R63A	GROSS FAILED FUEL DETECTOR R63A		9.100E-03	UCI/CC
R63B	GROSS FAILED FUEL DETECTOR R63B		9.100E-03	UCI/CC
R64	PAB 55 FT AREA MONITOR		1.000E-02	MR/HR
R65	PAB 73 FT AREA MONITOR		1.000E-01	MR/HR
R66	PAB 34 FT AREA MONITOR		1.000E-01	MR/HR
R67	PAB 41 FT AREA MONITOR		2.000E-01	MR/HR
R68	PAB 15 FT AREA MONITOR		3.000E+00	MR/HR
R69	PIPE PEN 54 FT AREA MONITOR		4.000E+00	MR/HR
R70	FAN HOUSE 77 FT AREA MONITOR		1.000E-01	MR/HR

A - IN ALARM
U - UNAVAILABLE OR OUT-OF-RANGE
E - ENTERED VALUE
X - OUT OF ALARM CHECKING
S - OUT OF SCAN

- DRILL INFORMATION ONLY -

EP-FORM #31C

IP-3 EQUIPMENT STATUS LOG

#17

DATE: 07/21/93
TIME: 1130

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1			X	
	#32 4			X	
	#33 3			X	
	#34 2			X	
Emergency D/Gs	#31 2A		X		
	#32 6A		X		
	#33 5A			X	
Offsite Power Available	138V			X	
	13.8KV	X			
Gas Turbines (Con Edison)	GT-1			X	
	GT-2			X	
	GT-3			X	
SIS Pumps	#31 5A	X			
	#32 2A	X			
	#33 6A			X	
High Head SIS Flow	#31(GPM)	200			
	#32(GPM)	200			
	#33(GPM)	200			
	#34(GPM)	200			
RHR Pumps	#31 3A	X			
	#32 6A			X	
Recirc. Pumps	#31 5A		X		
	#32 6A		X		
Low Head SIS Flow	#31(GPM)	500			
	#32(GPM)	500			
	#33(GPM)	500			
	#34(GPM)	500			
Accum. Level	#31 (%)	Ø			
	#32 (%)	Ø			
	#33 (%)	Ø			
	#34 (%)	Ø			

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
RHR Heat Exchangers	#31	X			
	#32	X			
Component Cooling Heat Exchangers	#31	X			
	#32	X			
Hydrogen Recombiner	#31 2A		X		
	#32 6A		X		
Fan Cooler Units	#31 5A	X			
	#32 2A	X			
	#33 5A	X			
	#34 3A	X			
	#35 6A	X			
Aux. Boiler Feed Pumps	#31 3A	X			
	#32		X		
	#33 6A	X			
Containment Spray Pumps	#31 5A		X		
	#32 6A		X		
Charging Pumps	#31 5A	X			
	#32 3A		X		
	#33 6A	X			
Component Cooling Pumps	#31 5A		X		
	#32 2A		X		
	#33 6A	X			
Aux. Component Cooling Pumps	#31 5A		X		
	#32 6A		X		
	#33 5A		X		
	#34 6A		X		
Appendix 'R' D/G			X		

PARAMETER	BUS #	STATUS O	S	OS	ESSENTIAL	NON-ESSENTIAL
Service Water Pumps	#31 5A	X			X	
	#32 2A	X			X	
	#33 6A	X			X	
	#34 5A		X			X
	#35 3A	X				X
	#36 6A		X			X

VC Isolation Valves
(Phase A/B valves which are not in required position.)

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM.

S - STANDBY
O - OPERATING
OS - OUT OF SERVICE

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

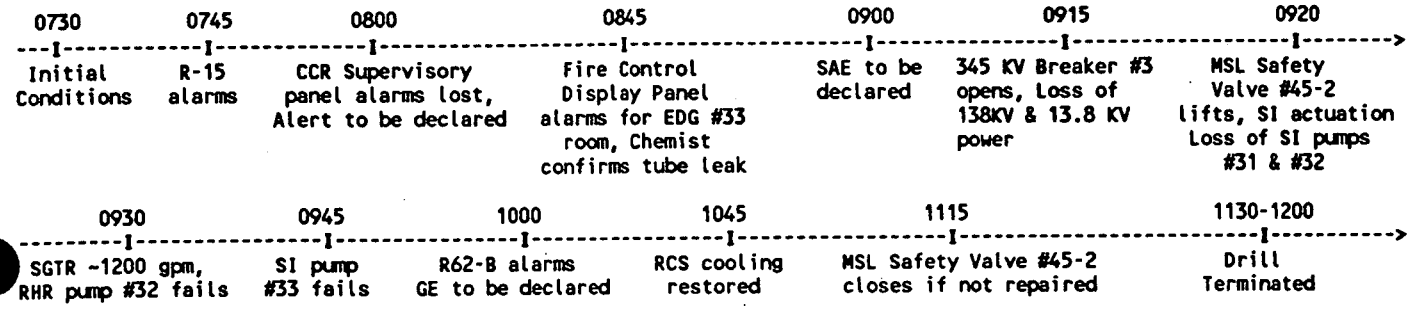
DATE: July 21, 1993 **TIME:** 1145

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 18

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR and All Controllers	Plant status per plant status log #18. Cool down continues.	Continue accident assessment.	GE

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



NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 1145

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 18

- Plant status per plant status log #18.

- THIS IS A DRILL -

#18

EP FORM 31a

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
1145

	PARAMETER		VALUE	
U1170	INCORE T/C TIME AVG VALUE		368.2	DEG F
U0090	INST VALUE OF HOTTEST INCORE T/C		673.2	DEG F
U0484	RCL AVG TAVG	U	540.0	DEG F
U0486	RCL HOT AVG T		355.7	DEG F
PT-402	RCS PRESSURE - LOOP 1		150.4	PSIG
PT-403	RCS PRESSURE - LOOP 4		150.4	PSIG
KHTMARCS	LOWEST RCS TEMP SAT MARGIN		2.4	DEG F
TMARCETA	CET TEMP SAT MAR		2.4	DEG F
S498AD	RCP #31 STATUS		OFF	
S498BD	RCP #32 STATUS		OFF	
S498CD	RCP #33 STATUS		OFF	
S498DD	RCP #34 STATUS		OFF	
U0483	PRESSURIZER LEVEL 1/2/3 AVG		0.0	PCT
FT-128	CHARGING PUMP DISCHARGE FLOW		125.0	GPM
LT-417D	STEAM GENERATOR #31 W.R. LEVEL		67.4	PCT
LT-427D	STEAM GENERATOR #32 W.R. LEVEL		92.2	PCT
LT-437D	STEAM GENERATOR #33 W.R. LEVEL		65.6	PCT
LT-447D	STEAM GENERATOR #34 W.R. LEVEL		66.8	PCT
U0414	STM GEN A STM P 1/2/3 AVG		150.2	PSIG
U0434	STM GEN B STM P 1/2/3 AVG		175.7	PSIG
U0454	STM GEN C STM P 1/2/3 AVG		151.6	PSIG
U0474	STM GEN D STM P 1/2/3 AVG		152.1	PSIG
U1000	CONTAINMENT P 1/2/3 AVG		1.0	PSIG
FT1200	AUX FD FLOW TO SG #31		174.9	GPM
FT1201	AUX FD FLOW TO SG #32		0.0	GPM
FT1202	AUX FD FLOW TO SG #33		183.8	GPM
FT1203	AUX FD FLOW TO SG #34		183.7	GPM
LT1128	CONDENSATE STORAGE TANK LEVEL		29.2	FT
LT1128A	CONDENSATE STORAGE TANK LEVEL		29.2	FT
TC-1416	CONTAINMENT AVG TEMPERATURE		82.1	DEG F
LT-1255	CONTAINMENT SUMP LEVEL		42.3	FT
LT-1256	CONTAINMENT SUMP LEVEL		42.3	FT
LT-1251	RECIRCULATION SUMP LEVEL		34.3	FT
LT-1252	RECIRCULATION SUMP LEVEL		34.3	FT
LT-920	RWST LEVEL		28.9	FT
LT-931	CHEMICAL SPRAY ADDITIVE TANK LVL		83.4	PCT
HC-MCA	CONTAINMENT H2 CONCENTRATION		0.0	PCT
HC-MCB	CONTAINMENT H2 CONCENTRATION		0.0	PCT
LR002A	RVLIS DYNAMIC HEAD RANGE	U	0.0	PCT
LR002B	RVLIS DYNAMIC HEAD RANGE	U	0.0	PCT
LR001A	RVLIS FULL RANGE		80.5	PCT
LR001B	RVLIS FULL RANGE		80.5	PCT
N-35	INTERMEDIATE RANGE DETECTOR		1.0E-11	AMPS
N-36	INTERMEDIATE RANGE DETECTOR		1.0E-11	AMPS
KISUR	INTERMEDIATE RANGE START-UP RATE		0.1	DECPM
N-31	SOURCE RANGE DETECTOR		566.1	CPS
N-32	SOURCE RANGE DETECTOR		566.1	CPS
KSSUR	SOURCE RANGE START-UP RATE		0.1	DECPM
U1169	PWR RNG NUCL CHANNEL RMP AVG Q		0.0	PCT

- DRILL INFORMATION ONLY -

#18

EP FORM 31b

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
1145

	PARAMETER		VALUE	
R01	CONTROL ROOM RAD		0.000E+00	MR/HR
R02	AREA 2 RADIATION		1.100E+01	MR/HR
R04	CHARGING PUMP ROOM		1.000E-01	MR/HR
R05	FUEL STORAGE BUILDING RAD		2.000E-01	MR/HR
R06	SAMPLE ROOM RAD		6.000E-01	MR/HR
R07	IN CORE INS ROOM RAD		3.000E+00	MR/HR
R08	DRUMMING STATION RAD		8.000E-01	MR/HR
R10	STEAM LINE PENETRATIONS RAD		0.000E+00	R/HR
R11	CNMT AIR PARTICLE RADIATION		2.200E-10	UCI/CC
R12	CONTAINMENT GAS RADIATION		1.400E-06	UCI/CC
R13	PLANT VENT AIR PARTICLE RAD		8.300E+02	CPM
R14	AUX BUILDING EXHAUST RAD		1.500E+03	CPM
R15	STEAM AIR EJECT EXHAUST RAD		0.000E+00	UCI/CC
R16A	CNMT CLNG HX SVC WTR OUT 1R		1.000E-07	UCI/CC
R16B	CNMT CLNG HX SVC WTR OUT 2R		1.000E-07	UCI/CC
R17A	CMPT CLG PUMP SUCT A HEADER RAD		3.000E+02	CPM
R17B	CMPT CLG PUMP SUCT B HEADER RAD		4.000E+02	CPM
R18	LIQUID WASTE DISPOSAL RADIATION		3.500E-06	UCI/CC
R19	STM GENER BLOWDOWN DRAIN 2 RAD	A	1.000E-05	UCI/CC
R23	CCW SERVICE WATER EFFLUENT		1.000E-07	UCI/CC
R25	CONTAINMENT HIGH RAD MONITOR 1		9.200E-02	R/HR
R26	CONTAINMENT HIGH RAD MONITOR 2		9.200E-02	R/HR
R27	PLANT VENT RADIATION		6.800E-08	UCI/S
Y9051A	STACK DISCHARGE AIR FLOW		10.0	KCFM
R59	RAMS BUILDING NOBLE GAS MONITOR		5.100E-09	UCI/CC
R62A	31 MAIN STEAM LINE		2.000E-04	UCI/CC
R62B	32 MAIN STEAM LINE		4.000E-04	UCI/CC
R62C	33 MAIN STEAM LINE		2.000E-04	UCI/CC
R62D	34 MAIN STEAM LINE		2.000E-04	UCI/CC
R63A	GROSS FAILED FUEL DETECTOR R63A		9.100E-03	UCI/CC
R63B	GROSS FAILED FUEL DETECTOR R63B		9.100E-03	UCI/CC
R64	PAB 55 FT AREA MONITOR		1.000E-02	MR/HR
R65	PAB 73 FT AREA MONITOR		1.000E-01	MR/HR
R66	PAB 34 FT AREA MONITOR		1.000E-01	MR/HR
R67	PAB 41 FT AREA MONITOR		2.000E-01	MR/HR
R68	PAB 15 FT AREA MONITOR		3.000E+00	MR/HR
R69	PIPE PEN 54 FT AREA MONITOR		4.000E+00	MR/HR
R70	FAN HOUSE 77 FT AREA MONITOR		1.000E-01	MR/HR

A - IN ALARM
U - UNAVAILABLE OR OUT-OF-RANGE
E - ENTERED VALUE
X - OUT OF ALARM CHECKING
S - OUT OF SCAN

- DRILL INFORMATION ONLY -

NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

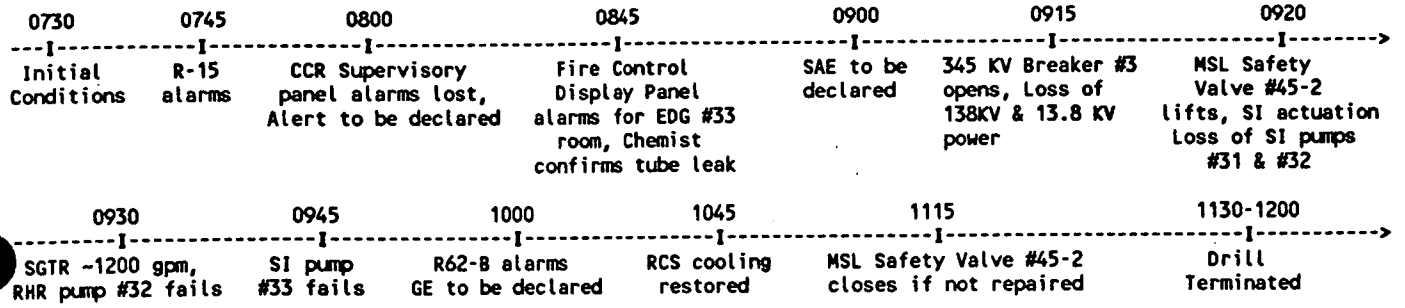
DATE: July 21, 1993 **TIME:** 1200

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 19

ISSUED TO:	SUMMARY OF MESSAGE:	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
CCR and All Controllers	Plant status per plant status log #19. Cool down continues.	Continue accident assessment.	GE

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



NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

DATE: July 21, 1993 **TIME:** 1200

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 19

- Plant status per plant status log #19.

- THIS IS A DRILL -

#19

EP FORM 31a

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
1200

	PARAMETER		VALUE	
U1170	INCORE T/C TIME AVG VALUE		368.2	DEG F
U0090	INST VALUE OF HOTTEST INCORE T/C		479.7	DEG F
U0484	RCL AVG TAVG	U	540.0	DEG F
U0486	RCL HOT AVG T		350.7	DEG F
PT-402	RCS PRESSURE - LOOP 1		150.4	PSIG
PT-403	RCS PRESSURE - LOOP 4		150.4	PSIG
KHTMARCS	LOWEST RCS TEMP SAT MARGIN		7.4	DEG F
TMARCETA	CET TEMP SAT MAR		7.4	DEG F
S498AD	RCP #31 STATUS		OFF	
S498BD	RCP #32 STATUS		OFF	
S498CD	RCP #33 STATUS		OFF	
S498DD	RCP #34 STATUS		OFF	
U0483	PRESSURIZER LEVEL 1/2/3 AVG		0.0	PCT
FT-128	CHARGING PUMP DISCHARGE FLOW		125.0	GPM
LT-417D	STEAM GENERATOR #31 W.R. LEVEL		67.4	PCT
LT-427D	STEAM GENERATOR #32 W.R. LEVEL		92.2	PCT
LT-437D	STEAM GENERATOR #33 W.R. LEVEL		65.6	PCT
LT-447D	STEAM GENERATOR #34 W.R. LEVEL		66.8	PCT
U0414	STM GEN A STM P 1/2/3 AVG		150.2	PSIG
U0434	STM GEN B STM P 1/2/3 AVG		175.7	PSIG
U0454	STM GEN C STM P 1/2/3 AVG		151.6	PSIG
U0474	STM GEN D STM P 1/2/3 AVG		152.1	PSIG
U1000	CONTAINMENT P 1/2/3 AVG		1.0	PSIG
FT1200	AUX FD FLOW TO SG #31		174.9	GPM
FT1201	AUX FD FLOW TO SG #32		0.0	GPM
FT1202	AUX FD FLOW TO SG #33		183.8	GPM
FT1203	AUX FD FLOW TO SG #34		183.7	GPM
LT1128	CONDENSATE STORAGE TANK LEVEL		29.2	FT
LT1128A	CONDENSATE STORAGE TANK LEVEL		29.2	FT
TC-1416	CONTAINMENT AVG TEMPERATURE		82.1	DEG F
LT-1255	CONTAINMENT SUMP LEVEL		42.3	FT
LT-1256	CONTAINMENT SUMP LEVEL		42.3	FT
LT-1251	RECIRCULATION SUMP LEVEL		34.3	FT
LT-1252	RECIRCULATION SUMP LEVEL		34.3	FT
LT-920	RWST LEVEL		28.9	FT
LT-931	CHEMICAL SPRAY ADDITIVE TANK LVL		83.4	PCT
HC-MCA	CONTAINMENT H2 CONCENTRATION		0.0	PCT
HC-MCB	CONTAINMENT H2 CONCENTRATION		0.0	PCT
LR002A	RVLIS DYNAMIC HEAD RANGE	U	0.0	PCT
LR002B	RVLIS DYNAMIC HEAD RANGE	U	0.0	PCT
LR001A	RVLIS FULL RANGE		80.5	PCT
LR001B	RVLIS FULL RANGE		80.5	PCT
N-35	INTERMEDIATE RANGE DETECTOR		1.0E-11	AMPS
N-36	INTERMEDIATE RANGE DETECTOR		1.0E-11	AMPS
KISUR	INTERMEDIATE RANGE START-UP RATE		0.1	DECPM
N-31	SOURCE RANGE DETECTOR		566.1	CPS
N-32	SOURCE RANGE DETECTOR		566.1	CPS
KSSUR	SOURCE RANGE START-UP RATE		0.1	DECPM
U1169	PWR RNG NUCL CHANNEL RMP AVG Q		0.0	PCT

- DRILL INFORMATION ONLY -

#19

EP FORM 31b

INDIAN POINT UNIT 3
EMERGENCY PLANT STATUS REPORT

07/21/93
1200

	PARAMETER		VALUE	
R01	CONTROL ROOM RAD		0.000E+00	MR/HR
R02	AREA 2 RADIATION		1.100E+01	MR/HR
R04	CHARGING PUMP ROOM		1.000E-01	MR/HR
R05	FUEL STORAGE BUILDING RAD		2.000E-01	MR/HR
R06	SAMPLE ROOM RAD		6.000E-01	MR/HR
R07	IN CORE INS ROOM RAD		3.000E+00	MR/HR
R08	DRUMMING STATION RAD		8.000E-01	MR/HR
R10	STEAM LINE PENETRATIONS RAD		0.000E+00	R/HR
R11	CNMT AIR PARTICLE RADIATION		2.200E-10	UCI/CC
R12	CONTAINMENT GAS RADIATION		1.400E-06	UCI/CC
R13	PLANT VENT AIR PARTICLE RAD		8.000E+02	CPM
R14	AUX BUILDING EXHAUST RAD		1.500E+03	CPM
R15	STEAM AIR EJECT EXHAUST RAD		0.000E+00	UCI/CC
R16A	CNMT CLNG HX SVC WTR OUT 1R		1.000E-07	UCI/CC
R16B	CNMT CLNG HX SVC WTR OUT 2R		1.000E-07	UCI/CC
R17A	CMPT CLG PUMP SUCT A HEADER RAD		3.000E+02	CPM
R17B	CMPT CLG PUMP SUCT B HEADER RAD		4.000E+02	CPM
R18	LIQUID WASTE DISPOSAL RADIATION		3.500E-06	UCI/CC
R19	STM GENER BLOWDOWN DRAIN 2 RAD	A	1.000E-05	UCI/CC
R23	CCW SERVICE WATER EFFLUENT		1.000E-07	UCI/CC
R25	CONTAINMENT HIGH RAD MONITOR 1		9.200E-02	R/HR
R26	CONTAINMENT HIGH RAD MONITOR 2		9.200E-02	R/HR
R27	PLANT VENT RADIATION		6.800E-08	UCI/S
Y9051A	STACK DISCHARGE AIR FLOW		10.0	KCFM
R59	RAMS BUILDING NOBLE GAS MONITOR		5.100E-09	UCI/CC
R62A	31 MAIN STEAM LINE		2.000E-04	UCI/CC
R62B	32 MAIN STEAM LINE		4.000E-04	UCI/CC
R62C	33 MAIN STEAM LINE		2.000E-04	UCI/CC
R62D	34 MAIN STEAM LINE		2.000E-04	UCI/CC
R63A	GROSS FAILED FUEL DETECTOR R63A		9.100E-03	UCI/CC
R63B	GROSS FAILED FUEL DETECTOR R63B		9.100E-03	UCI/CC
R64	PAB 55 FT AREA MONITOR		1.000E-02	MR/HR
R65	PAB 73 FT AREA MONITOR		1.000E-01	MR/HR
R66	PAB 34 FT AREA MONITOR		1.000E-01	MR/HR
R67	PAB 41 FT AREA MONITOR		2.000E-01	MR/HR
R68	PAB 15 FT AREA MONITOR		3.000E+00	MR/HR
R69	PIPE PEN 54 FT AREA MONITOR		4.000E+00	MR/HR
R70	FAN HOUSE 77 FT AREA MONITOR		1.000E-01	MR/HR

A - IN ALARM
U - UNAVAILABLE OR OUT-OF-RANGE
E - ENTERED VALUE
X - OUT OF ALARM CHECKING
S - OUT OF SCAN

- DRILL INFORMATION ONLY -

EP-FORM #31C

IP-3 EQUIPMENT STATUS LOG

#19

DATE: 07/21/93
TIME: 1200

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
Reactor Coolant Pumps	#31 1			X	
	#32 4			X	
	#33 3			X	
	#34 2			X	
Emergency D/Gs	#31 2A		X		
	#32 6A		X		
	#33 5A			X	
Offsite Power Available	138V			X	
	13.8KV	X			
Gas Turbines (Con Edison)	GT-1			X	
	GT-2			X	
	GT-3			X	
SIS Pumps	#31 5A	X			
	#32 2A	X			
	#33 6A			X	
High Head SIS Flow	#31(GPM)	200			
	#32(GPM)	200			
	#33(GPM)	200			
	#34(GPM)	200			
RHR Pumps	#31 3A	X			
	#32 6A			X	
Recirc. Pumps	#31 5A		X		
	#32 6A		X		
Low Head SIS Flow	#31(GPM)	500			
	#32(GPM)	500			
	#33(GPM)	500			
	#34(GPM)	500			
Accum. Level	#31 (%)	0			
	#32 (%)	0			
	#33 (%)	0			
	#34 (%)	0			

PARAMETER	BUS #	STATUS O	S	OS	REMARKS
RHR Heat Exchangers	#31	X			
	#32	X			
Component Cooling Heat Exchangers	#31	X			
	#32	X			
Hydrogen Recombiner	#31 2A		X		
	#32 6A		X		
Fan Cooler Units	#31 5A	X			
	#32 2A	X			
	#33 5A	X			
	#34 3A	X			
	#35 6A	X			
Aux. Boiler Feed Pumps	#31 3A	X			
	#32		X		
	#33 6A	X			
Containment Spray Pumps	#31 5A		X		
	#32 6A		X		
Charging Pumps	#31 5A	X			
	#32 3A		X		
	#33 6A	X			
Component Cooling Pumps	#31 5A		X		
	#32 2A		X		
	#33 6A	X			
Aux. Component Cooling Pumps	#31 5A		X		
	#32 6A		X		
	#33 5A		X		
	#34 6A		X		
Appendix 'R' D/G			X		

PARAMETER	BUS #	STATUS O	S	OS	ESSENTIAL	NON-ESSENTIAL
Service Water Pumps	#31 5A	X			X	
	#32 2A	X			X	
	#33 6A	X			X	
	#34 5A		X			X
	#35 3A	X				X
	#36 6A		X			X

VC Isolation Valves (Phase A/B valves which are not in required position.)

THIS FORM TO BE FILLED OUT AND SENT BY THE CONTROL ROOM.

S - STANDBY
O - OPERATING
OS - OUT OF SERVICE

SECTION 6

FIELD REPORTS

NEW YORK POWER AUTHORITY
INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1993 NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

JULY 21, 1993

July 21, 1993
FIELD REPORT # 1

TIME: *0745*

LOCATION: *15' Turbine Hall/PAB*

INFORMATION TO BE PROVIDED TO: *Chemistry Technician*

GENERAL AREA RAD. LEVELS: *As Read*

SPECIFIC AREA RAD. LEVELS: *As Read*

VISUAL DESCRIPTION AT SCENE: *As Seen*

INSTRUCTIONS TO CONTROLLER/OBSERVER: *Provide Table IIA/IIB data when samples have been taken and counted.*

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

July 21, 1993
FIELD REPORT # 1A

TIME: *0745*

LOCATION: *CCR*

INFORMATION TO BE PROVIDED TO: *I&C Technician*

GENERAL AREA RAD. LEVELS: *N/A*

SPECIFIC AREA RAD. LEVELS: *N/A*

VISUAL DESCRIPTION AT SCENE: *As Seen*

INSTRUCTIONS TO CONTROLLER/OBSERVER: *R-15 radiation monitor is functioning properly.*

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

July 21, 1993
FIELD REPORT # 1B

TIME: *0800 or when notification to offsite agencies is attempted*

LOCATION: *CCR/Simulator*

INFORMATION TO BE PROVIDED TO: *Offsite Communicator*

GENERAL AREA RAD. LEVELS: *N/A*

SPECIFIC AREA RAD. LEVELS: *N/A*

VISUAL DESCRIPTION AT SCENE: *N/A*

INSTRUCTIONS TO CONTROLLER/OBSERVER: *When offsite communicator initially attempts to use the RECS phone, controller will indicate that no ringing is heard and no response is received from State or Counties. Communicator should then attempt to use Local Government Radio which is also out of service. Individual calls to State and Counties via commercial telephone will need to be made to transmit information on Part I form. Subsequent notifications will be simulated to the State and Counties.*

Closeout notification will be via the RECS phone from the AEOF.

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

July 21, 1993
FIELD REPORT # 2

TIME: *0800*

LOCATION: *CCR DC Panel #31*

INFORMATION TO BE PROVIDED TO: *I&C/Maintenance Technicians*

GENERAL AREA RAD. LEVELS: *N/A*

SPECIFIC AREA RAD. LEVELS: *N/A*

VISUAL DESCRIPTION AT SCENE: *Circuit breaker #11 on Distribution Panel #31 is in the trip position.*

INSTRUCTIONS TO CONTROLLER/OBSERVER: *Any attempt to reset the breaker causes the breaker to trip. Repair of the breaker may be allowed after 0900.*

Possible repairs:
- *swap breakers*
- *troubleshoot breaker*
- *replace breaker (desired fix)*

NOTE: *After reporting to the SS, these actions are to be simulated in the entrance way to the CCR.*

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

July 21, 1993
FIELD REPORT # 2A

TIME: *0815*

LOCATION: *EOF*

INFORMATION TO BE PROVIDED TO: *EOF staff*

GENERAL AREA RAD. LEVELS: *N/A*

SPECIFIC AREA RAD. LEVELS: *N/A*

VISUAL DESCRIPTION AT SCENE: *Door to EOF communications room is propped open with fire extinguishing equipment present.*

INSTRUCTIONS TO CONTROLLER/OBSERVER: *Controller in the hallway: Upon EOF staff arrival, provide the following information: "There has been a fire in the telephone room. It started about 0815 and was put out immediately from the time of detection. We have tested the Con Ed lines, the RECS line, all of the offsite radios, MIDAS, and the Met display panel. All of those are out of service. We have not tested any of the NYPA extensions but presume they are out of service.*

Controllers in the EOF: The following are out of service:

- *All phone lines:* *4/5 party line*
  Con Ed/NYPA extensions
  Outside extensions
  EOF/CCR lines
- *Fax machines*
- *SPDS*
- *TI-700's (Silent 700's)*
- *Met display panel and MIDAS*

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

July 21, 1993
FIELD REPORT # 3

TIME: *0845*

LOCATION: *EDG #33*

INFORMATION TO BE PROVIDED TO: *Fire Watch/Fire Brigade*

GENERAL AREA RAD. LEVELS: *N/A*

SPECIFIC AREA RAD. LEVELS: *N/A*

VISUAL DESCRIPTION AT SCENE: *Fire started underneath the fuel day tank in proximity of the EDG #33 air compressor.*

INSTRUCTIONS TO CONTROLLER/OBSERVER: *Any attempt to put fire out by the Fire Watch is unsuccessful.*

Fire Watch is allowed to restore CO2 to the actuation position (simulate action). If this action is performed, CO2 will activate two minutes after restoration.

Although CO2 diminishes the fire, Fire Brigade response is required to fully extinguish the fire.

Offsite response is not required.

The fire can be extinguished fully when the controller/observer is satisfied that the required actions are complete.

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

July 21, 1993
FIELD REPORT # 3A

TIME: *0850*

LOCATION: *EDG #33*

INFORMATION TO BE PROVIDED TO: *Fire Brigade*

GENERAL AREA RAD. LEVELS: *N/A*

SPECIFIC AREA RAD. LEVELS: *N/A*

VISUAL DESCRIPTION AT SCENE: *The EDG #33 air compressor and fuel day tank are damaged. The fuel day tank fuel line is ruptured. The air compressor motor windings are burnt.*

INSTRUCTIONS TO CONTROLLER/OBSERVER: *Provide above data when Fire Brigade physically goes to air compressor and fuel day tank for visual inspection.*

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

July 21, 1993
FIELD REPORT # 4

TIME: *0915*

LOCATION: *CCR*

INFORMATION TO BE PROVIDED TO: *I&C Technician*

GENERAL AREA RAD. LEVELS: *N/A*

SPECIFIC AREA RAD. LEVELS: *N/A*

VISUAL DESCRIPTION AT SCENE: *As Seen*

INSTRUCTIONS TO CONTROLLER/OBSERVER: *Positions for control rods K-10 and J-11 will be verified that they have not inserted.*

Coil Voltage = 3.24 Volts

Provide this data when measured (simulate).

NOTE: *After reporting to the SS, these actions are to be simulated in the entrance way to the CCR.*

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

July 21, 1993
FIELD REPORT # 5

TIME: 0915

LOCATION: 15' Control Building - 2AT 5A Breaker Cubicle

INFORMATION TO BE PROVIDED TO: I&C/Maintenance Technicians

GENERAL AREA RAD. LEVELS: N/A

SPECIFIC AREA RAD. LEVELS: N/A

VISUAL DESCRIPTION AT SCENE: As Seen

INSTRUCTIONS TO CONTROLLER/OBSERVER: Any attempt to close/remove breaker is unsuccessful.

The breaker is jammed in it's test position in the cubicle.

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

July 21, 1993
FIELD REPORT # 6

TIME: *0915*

LOCATION: *15' Control Building - SI pump #32 Breaker Cubicle*

INFORMATION TO BE PROVIDED TO: *I&C/Maintenance Technicians*

GENERAL AREA RAD. LEVELS: *N/A*

SPECIFIC AREA RAD. LEVELS: *N/A*

VISUAL DESCRIPTION AT SCENE: *As Seen*

INSTRUCTIONS TO CONTROLLER/OBSERVER: *Any attempt to make breaker close is unsuccessful. If attempt is made to swap breaker, the pump still doesn't operate.*

When/if they look inside the breaker, it will be seen that there are broken auxiliary fingers.

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

July 21, 1993
FIELD REPORT # 7

TIME: *0920*

LOCATION: *Auxiliary Boiler Feed Pump Building - 73' MSL Safety Valve #45-2*

INFORMATION TO BE PROVIDED TO: *Maintenance Technician*

GENERAL AREA RAD. LEVELS: *See below*

SPECIFIC AREA RAD. LEVELS: *See below*

VISUAL DESCRIPTION AT SCENE: *Steam roar is heard.*

INSTRUCTIONS TO CONTROLLER/OBSERVER: *Any attempt to secure leak will not be successful until 1115. If not repaired, valve will automatically close at 1115.*

Provide the following data when requested:

Time	Dose Rate (mR/hr) (c)	(3 ft)
0920-0959	BKGD	
1000-1014	50	1.4
1015-1029	220	6
1030-1044	2045	55
1045-1059	4380	125
1100-1114	1385	10
1115-1200	BKGD	

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

July 21, 1993
FIELD REPORT # 8

TIME: *0930*

LOCATION: *RHR pump #32 - 15' PAB*
15' Control Building

INFORMATION TO BE PROVIDED TO: *I&C/Maintenance Technicians*

GENERAL AREA RAD. LEVELS: *As Read*

SPECIFIC AREA RAD. LEVELS: *As Read*

VISUAL DESCRIPTION AT SCENE: *Breaker trips on overcurrent. Breakers are OK.*

Pump is mechanically bound.

INSTRUCTIONS TO CONTROLLER/OBSERVER: *Whenever they close the breaker, the breaker trips.*

Provide above information when inspection/repair is being performed.

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

July 21, 1993
FIELD REPORT # 9

TIME: *0945*

LOCATION: *15' Control Building - SI pump #33 Breaker Cubicle*
34' PAB - SI pump #33

INFORMATION TO BE PROVIDED TO: *I&C/Maintenance Technicians*

GENERAL AREA RAD. LEVELS: *See maps*

SPECIFIC AREA RAD. LEVELS: *See maps*

VISUAL DESCRIPTION AT SCENE: *Breaker is OK.*

Paint is blistered on the outbound bearing of the pump. The bearing casing is deformed.

INSTRUCTIONS TO CONTROLLER/OBSERVER: *Any attempt to repair pump is unsuccessful.*

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

July 21, 1993
FIELD REPORT # 10

TIME: *0745 - 1200*

LOCATION: *All areas of the Turbine Hall/Aux. Feed Pump Building*

INFORMATION TO BE PROVIDED TO: *HP Technicians*

GENERAL AREA RAD. LEVELS: *See maps*

SPECIFIC AREA RAD. LEVELS: *See maps*

VISUAL DESCRIPTION AT SCENE: *As seen*

INSTRUCTIONS TO CONTROLLER/OBSERVER: *Provide dose rates as per plant map.*

Provide information below:

All air samples are BKGD.

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

SECTION 7

RADIOLOGICAL DATA

NEW YORK POWER AUTHORITY
INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1993 NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

JULY 21, 1993

Table I	Radiological Data Overview
Table IIA	VC Activity - Marinelli/RCS Activity
Table IIB	SG/SJAE activity
Table III	OTSC/Assembly Area Radiation Readings
Table IV	Inplant Maps
Table V	Offsite Survey/Site Perimeter Maps
Table VI	Offsite Dose Rates/Air Sample Activity at Affected Miles

NEW YORK POWER AUTHORITY

INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1993 NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

JULY 21, 1993

TABLE I

RADIOLOGICAL DATA

TIME	R-15 (μCi/cc)	R-19 (μCi/cc)	R-25/26 (R/hr)	R-2 (mR/hr)	R-7 (mR/hr)	R-62B (μCi/cc)	R/S* #6 (mR/hr)	R/S* #7 (mR/hr)	R/S* #8 (mR/hr)
0730	0.00E+0	0.00E+0	< 1	7.0E-1	3.0E+0	4.0E-4	8.0E-3	8.0E-3	8.0E-3
0745	2.52E-4	7.10E-6							
0800		8.84E-6							
0815		9.59E-6							
0830		1.00E-5							
0845									
0900									
0915									
0930	0.00E+0								
0945									
1000				1.0E+0		3.5E-1	6.4E+0	6.4E+0	
1015				2.2E+0		1.5E+0	2.0E+1	2.0E+1	
1030				1.5E+1		1.4E+1	1.7E+2	1.7E+2	1.8E-2
1045				3.1E+1	5.0E+0	3.0E+1	3.7E+2	3.7E+2	3.7E-2
1100				1.1E+1	3.0E+0	9.7E+0	8.0E+1	8.0E+1	8.0E-3
1115						4.0E-4	8.0E-3	8.0E-3	
1130									
1145									
1200									

R/S - Reuter Stokes

Note: All other R/S readings are BKGD.

NEW YORK POWER AUTHORITY

INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1993 NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

JULY 21, 1993

TABLE IIA

VAPOR CONTAINMENT ACTIVITIES

MARINELLI ACTIVITY

All < MDA

RCS ACTIVITY (μCi/cc)

ISOTOPE	TIME 0750 - 0915
Na-24	1.16E-03
Mn-54	1.11E-03
Ar-41	3.77E-03
Kr-85m	2.72E-03
Kr-88	7.89E-03
Xe-133	6.02E-02
Xe-135	2.00E-02
Rb-88	1.84E-02
Rb-89	3.03E-03
I-132	6.28E-03
I-133	2.78E-03
I-134	1.25E-02
I-135	7.53E-03
Cs-138	1.15E-02
Total	1.59E-01

NEW YORK POWER AUTHORITY

INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1993 NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

JULY 21, 1993

TABLE IIB

SG/SJAE ACTIVITY

Note: SG #31, #33, & #34 are < MDA

SG #32 ACTIVITY (μCi/cc)

ISOTOPE	TIME						
	0750	0755	0800	0815	0830	0845	0915
Na-24	1.32E-6	1.97E-6	2.29E-6	2.56E-6	2.59E-6	2.59E-6	2.59E-6
Mn-54	1.41E-6	2.28E-6	2.81E-6	3.47E-6	3.62E-6	3.66E-6	3.67E-6
Ar-41	1.16E-8	1.27E-8	1.28E-8	1.28E-8	1.28E-8	1.28E-8	1.28E-8
Kr-85m	1.25E-8	1.61E-8	1.71E-8	1.75E-8	1.75E-8	1.75E-8	1.75E-8
Kr-88	3.06E-8	3.61E-8	3.71E-8	3.74E-8	3.74E-8	3.74E-8	3.74E-8
Xe-133	3.80E-7	6.08E-7	7.45E-7	9.05E-7	9.40E-7	9.47E-7	9.49E-7
Xe-135	1.08E-7	1.53E-7	1.72E-7	1.85E-7	1.86E-7	1.86E-7	1.86E-7
Rb-88	2.43E-6	2.43E-6	2.43E-6	2.43E-6	2.43E-6	2.43E-6	2.43E-6
Rb-89	3.43E-7	3.43E-7	3.43E-7	3.43E-7	3.43E-7	3.43E-7	3.43E-7
I-132	4.37E-6	4.97E-6	5.05E-6	5.07E-6	5.07E-6	5.07E-6	5.07E-6
I-133	3.28E-6	5.00E-6	5.89E-6	6.73E-6	6.85E-6	6.86E-6	6.87E-6
I-134	4.46E-6	4.51E-6	4.51E-6	4.51E-6	4.51E-6	4.51E-6	4.51E-6
I-135	7.61E-6	1.04E-5	1.14E-5	1.20E-5	1.20E-5	1.20E-5	1.20E-5
Cs-138	2.65E-6	2.65E-6	2.65E-6	2.65E-6	2.65E-6	2.65E-6	2.65E-6
Total	2.84E-5	3.54E-5	3.84E-5	4.09E-5	4.12E-5	4.13E-5	4.13E-5

SJAE ACTIVITY μCi/cc

ISOTOPE	TIME 0750 - 0915
Ar-41	1.00E-5
Kr-85m	7.25E-6
Kr-88	2.10E-5
Xe-133	1.60E-4
Xe-135	5.31E-5
Total	2.52E-4

Note: Condenser air inleakage = 5 CFM.

NEW YORK POWER AUTHORITY

INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1993 NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

JULY 21, 1993

TABLE III

OTSC/ASSEMBLY AREA RADIATION READINGS

OTSC RADIATION READINGS

All radiation monitors read - As read

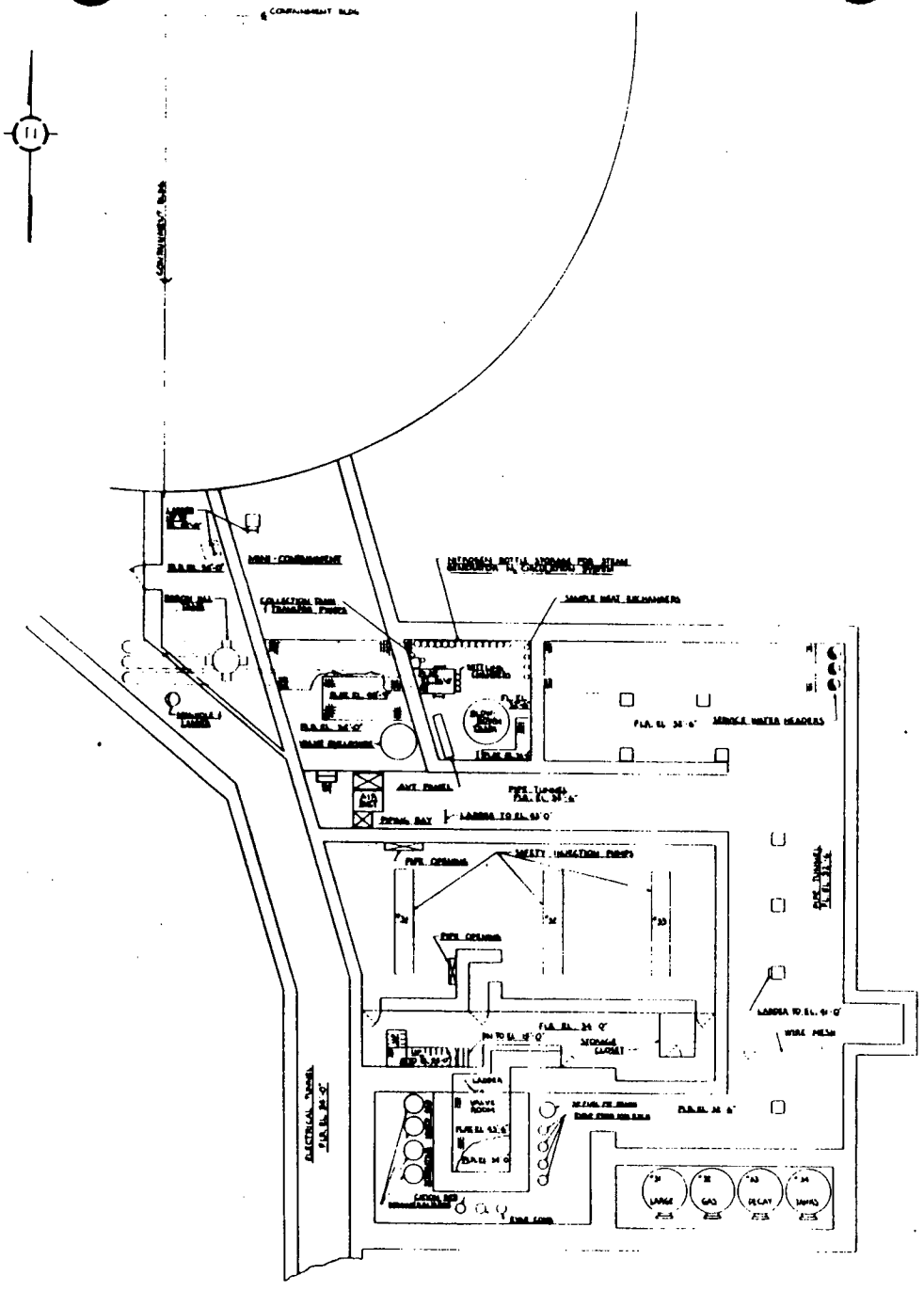
ASSEMBLY AREA RADIATION READINGS (mR/hr)

	0730-0950	1000-1014	1015-1029	1030-1044	1045-1059	1100-1114	1115-END
CCR	BKGD	---------->					
EOF	BKGD	---------->					
OTSC	BKGD	---------->					
Machine Shop	BKGD	---------->					
Warehouse	BKGD	---------->					
Construction	BKGD	.04	.1	1	2	4	BKGD
Training	BKGD	---------->					

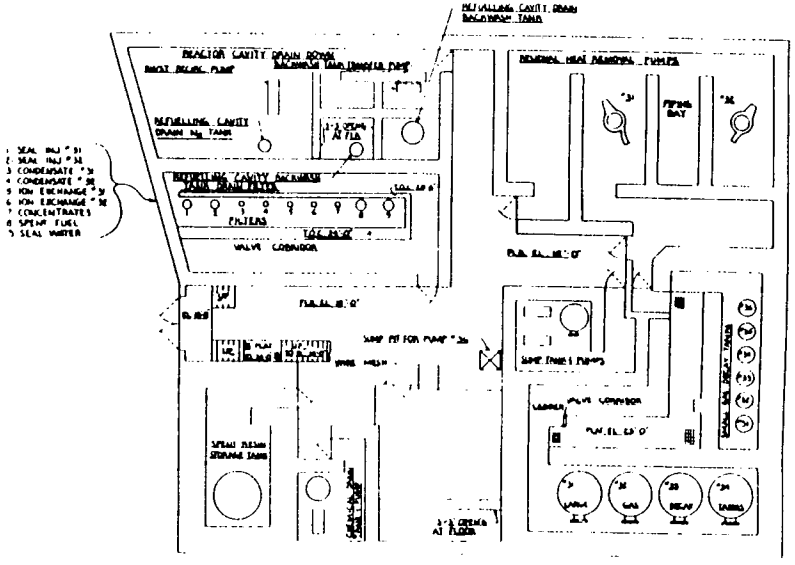
7/21/93
TIME:

0730-1200

ALL READINGS ARE BACKGROUND



CONTROLLED AREA PLAN
FLOOR EL 340

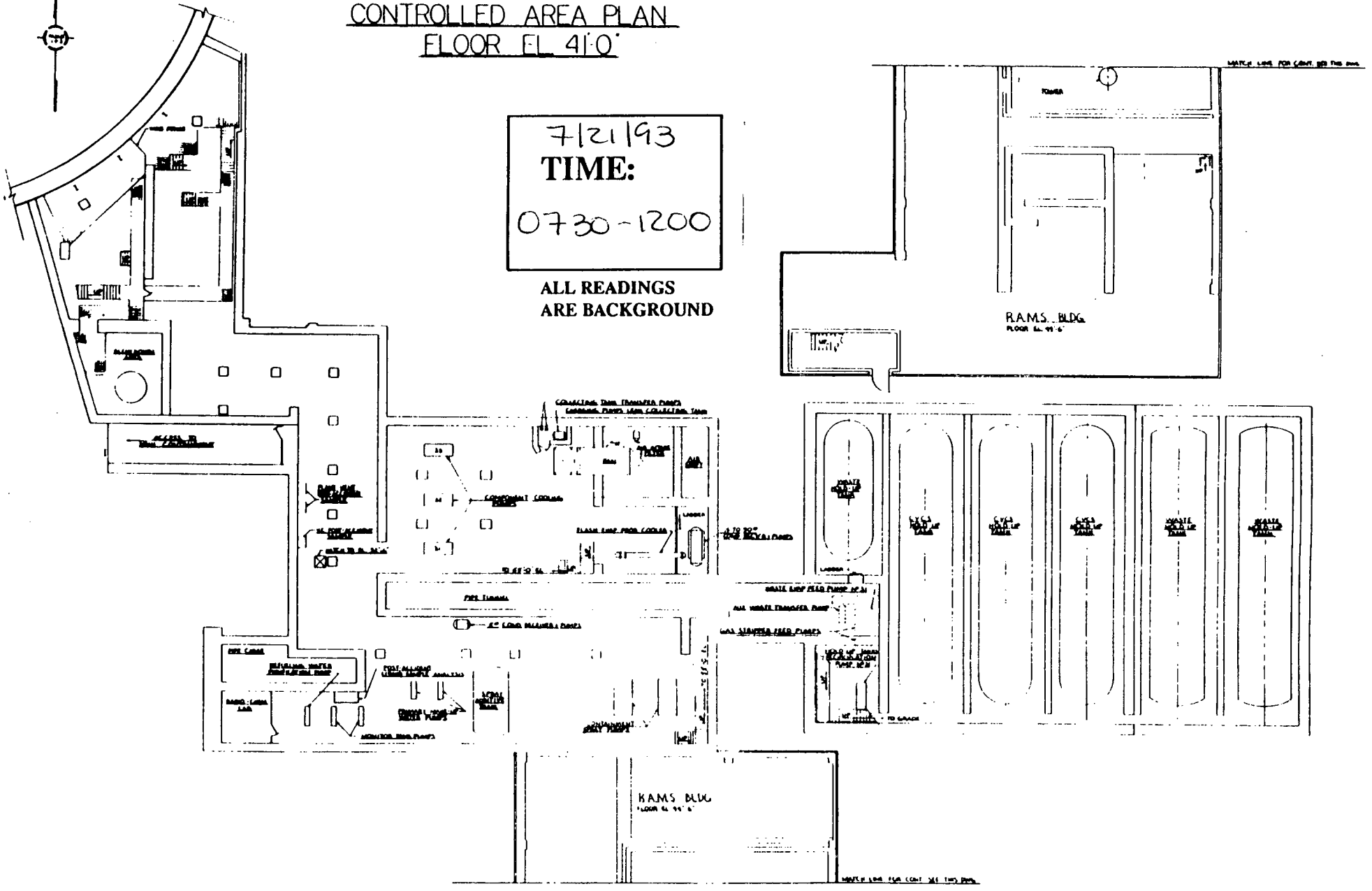


CONTROLLED AREA PLAN
FLOOR EL 150

CONTROLLED AREA PLAN
FLOOR EL 41'0"

7/21/93
TIME:
0730-1200

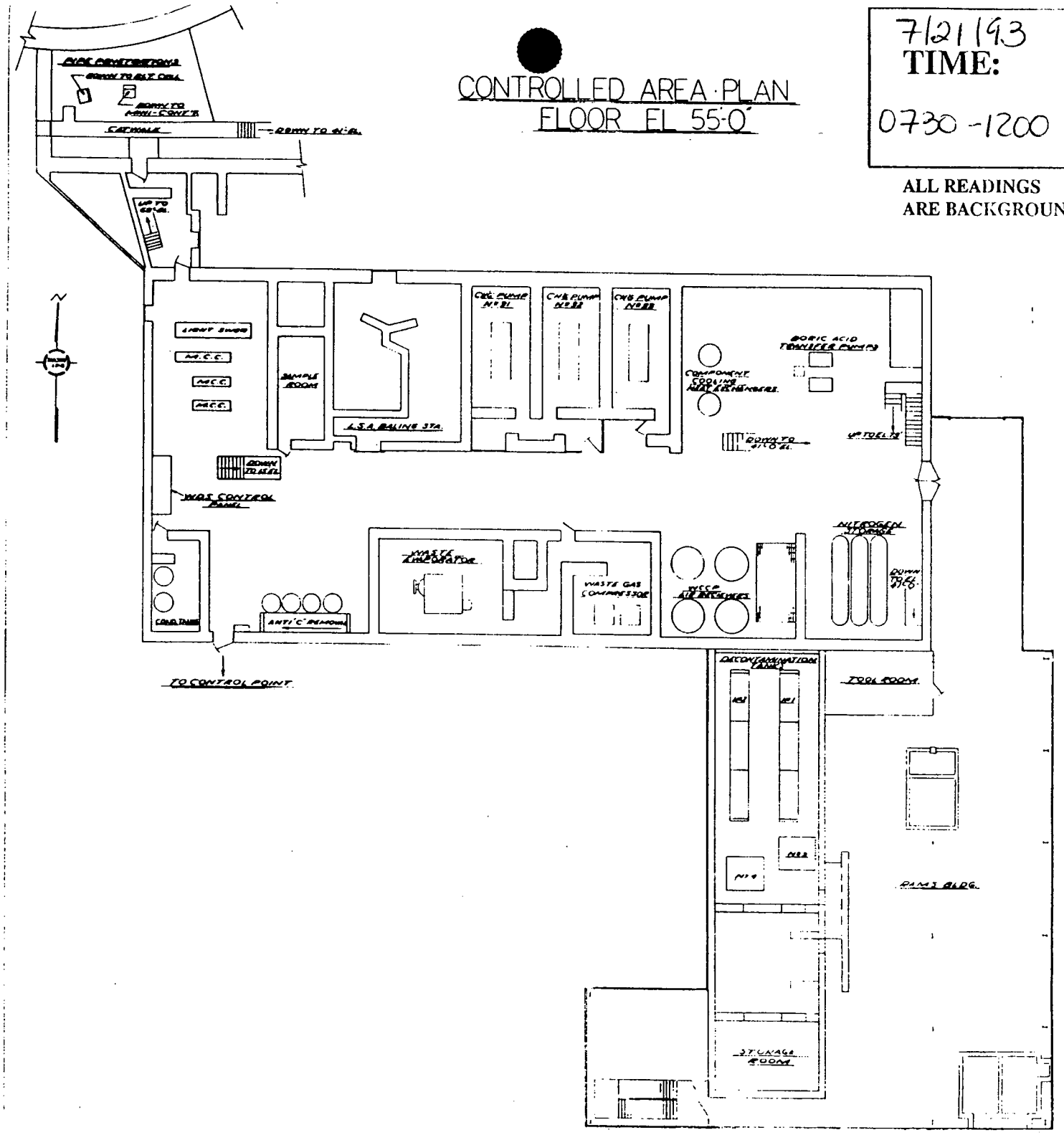
ALL READINGS ARE BACKGROUND

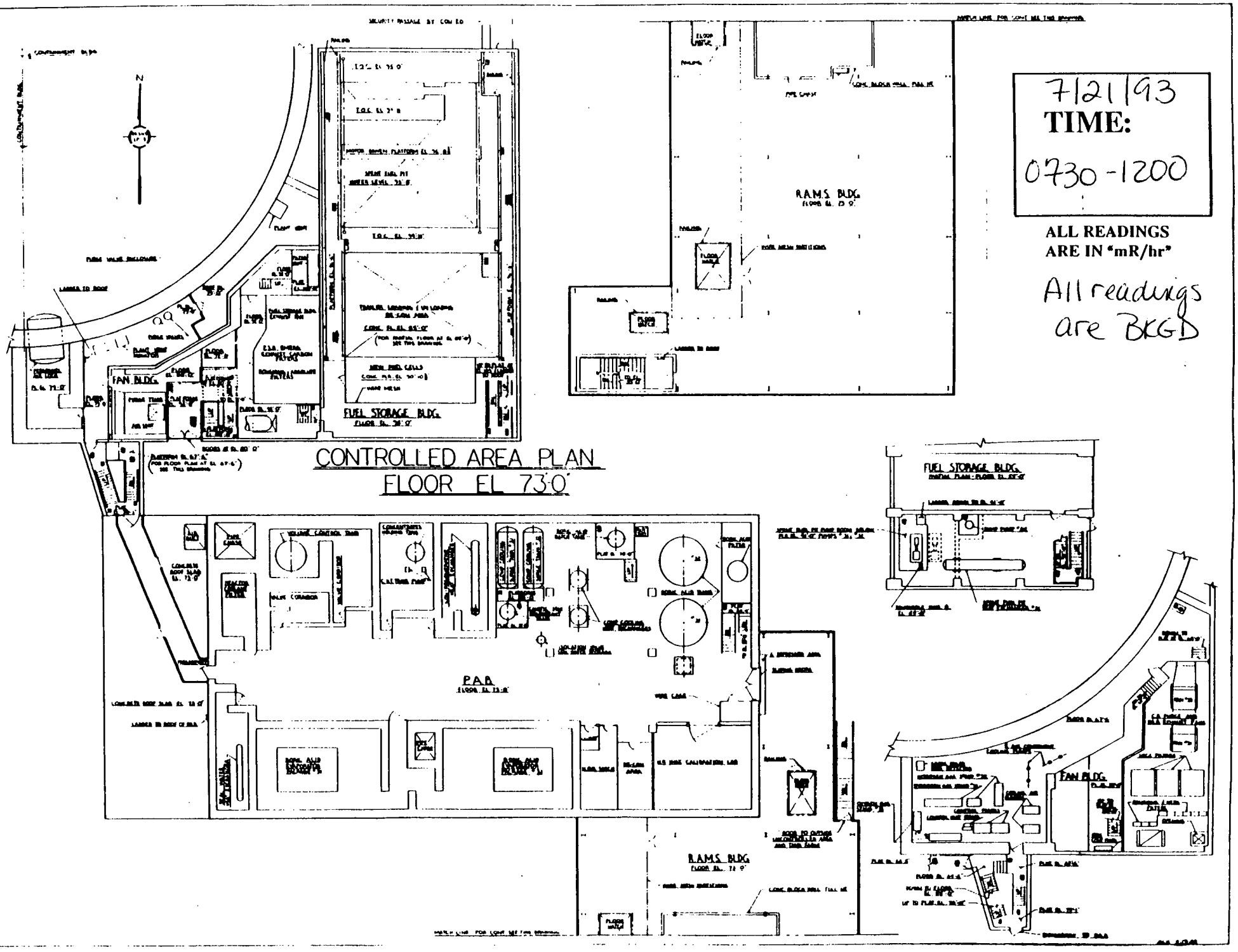


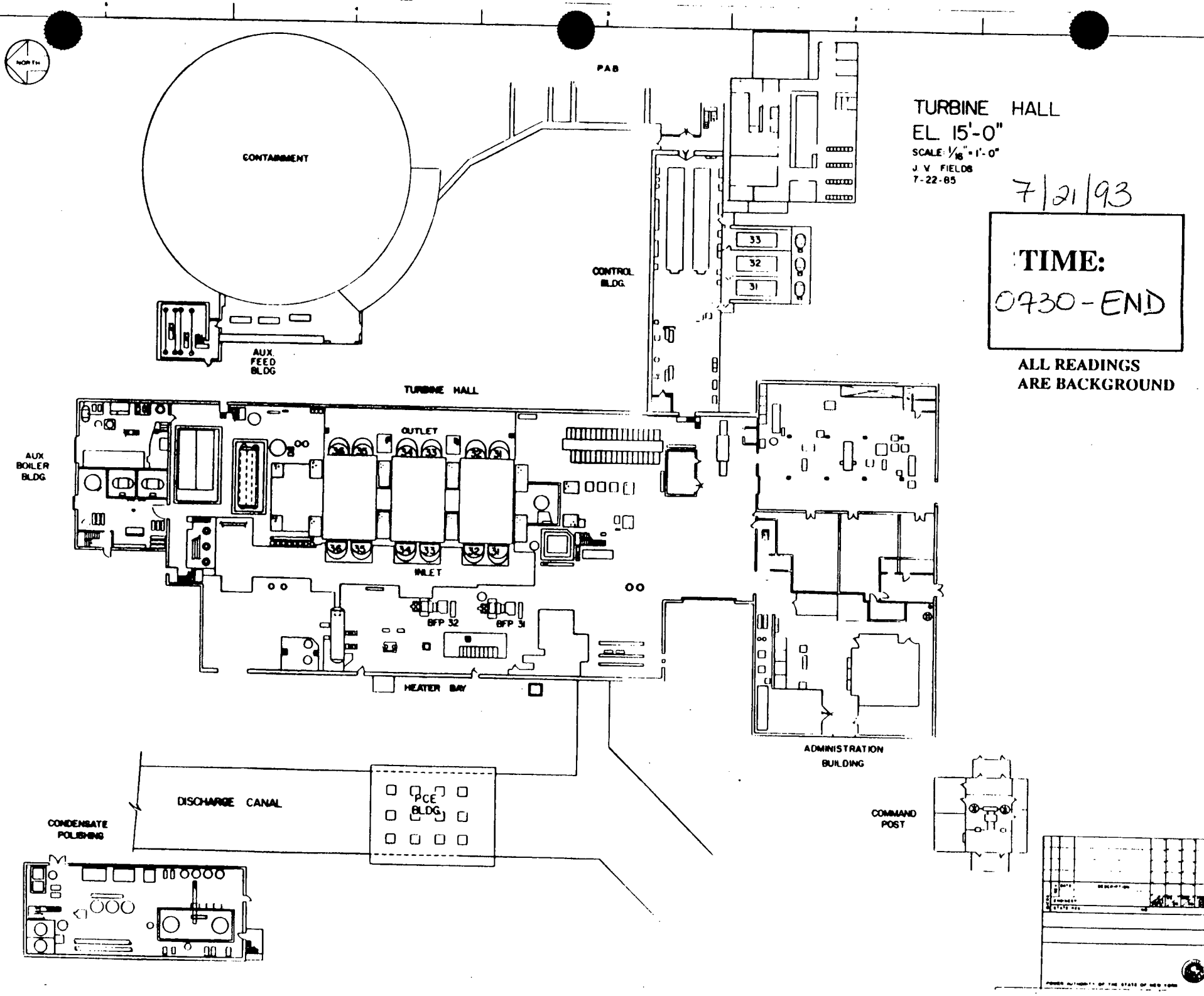
CONTROLLED AREA PLAN
FLOOR EL 55'-0"

7/21/93
TIME:
0730 - 1200

ALL READINGS ARE BACKGROUND




7/21/93
TIME:
0730 - 1200
ALL READINGS
ARE IN "mR/hr"
All readings
are BKGD
CONTROLLED AREA PLAN
FLOOR EL 73'0"
FAN BLDG.
FUEL STORAGE BLDG.
R.A.M.S. BLDG.
PAB

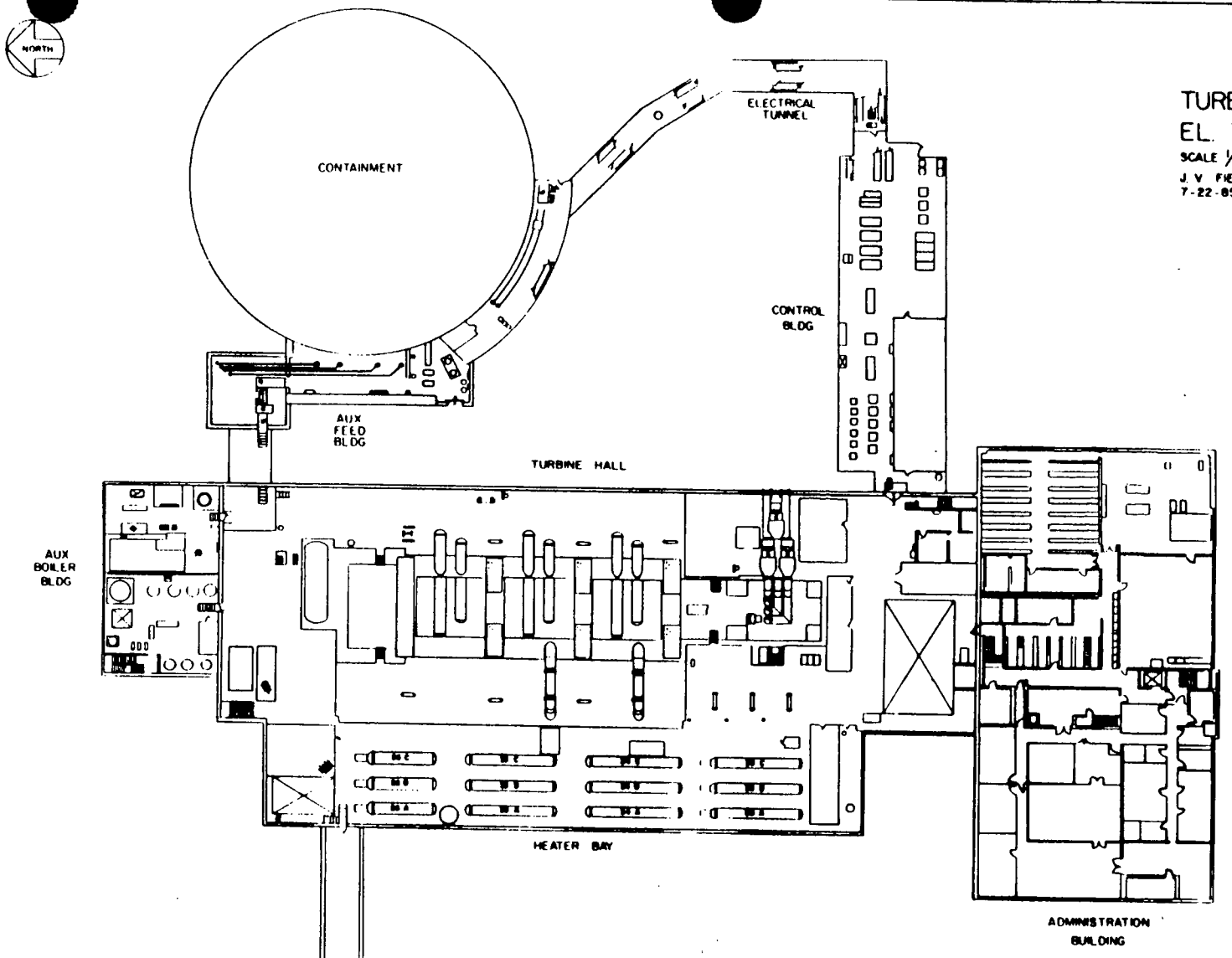


TURBINE HALL
EL. 15'-0"
SCALE: 1/16" = 1'-0"
J. V. FIELDS
7-22-85

7/21/93

TIME:
0730 - END

ALL READINGS ARE BACKGROUND

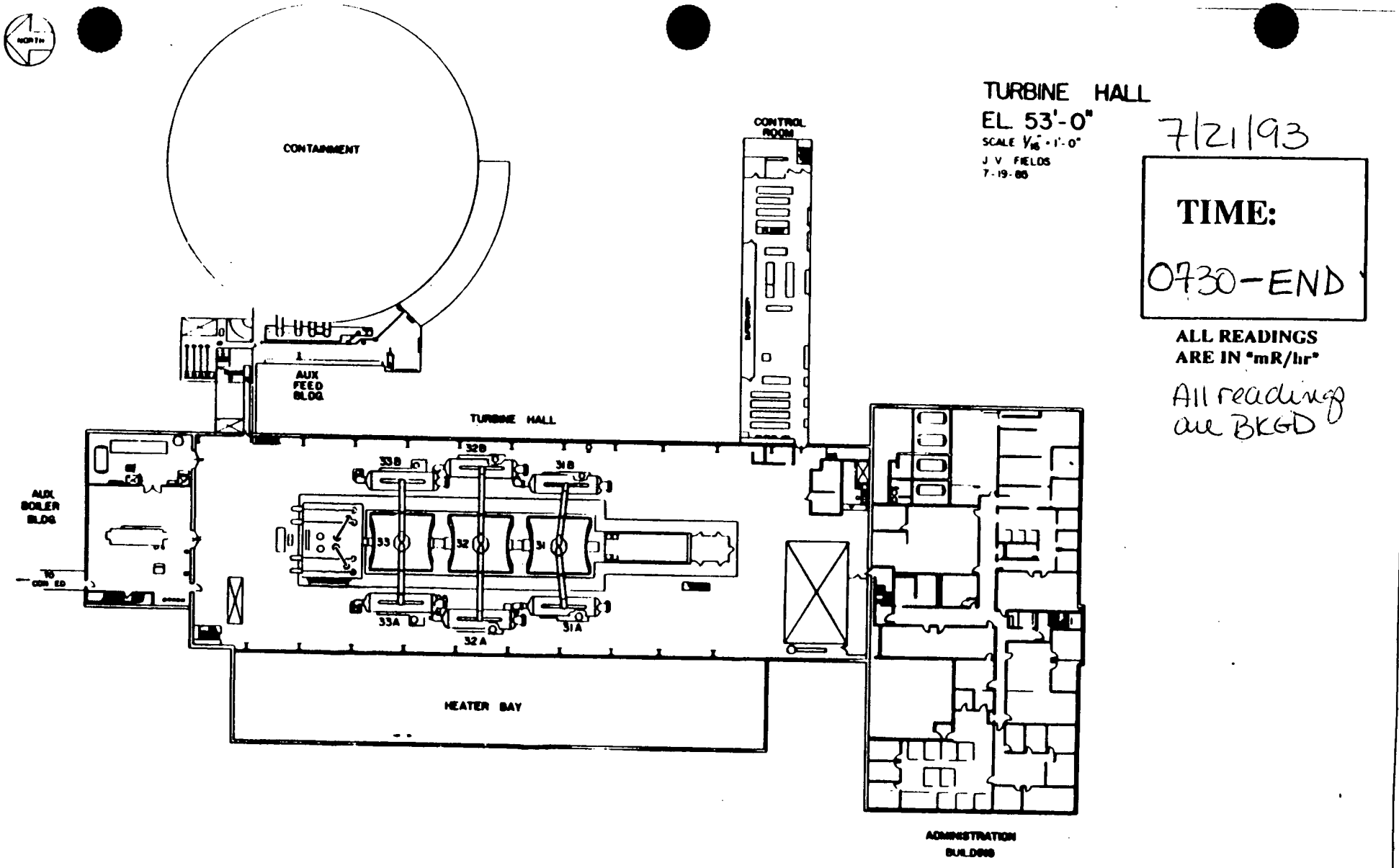


TURBINE HALL
EL. 34'-0"
SCALE 1/16" = 1'-0"
J. V. FIELDS
7-22-85

7/21/93

TIME:
0730 - END

ALL READINGS ARE BACKGROUND



TURBINE HALL
EL. 53'-0"
SCALE 1/16" = 1'-0"
J V FIELDS
7-19-88

7/21/93

TIME:

0730-END

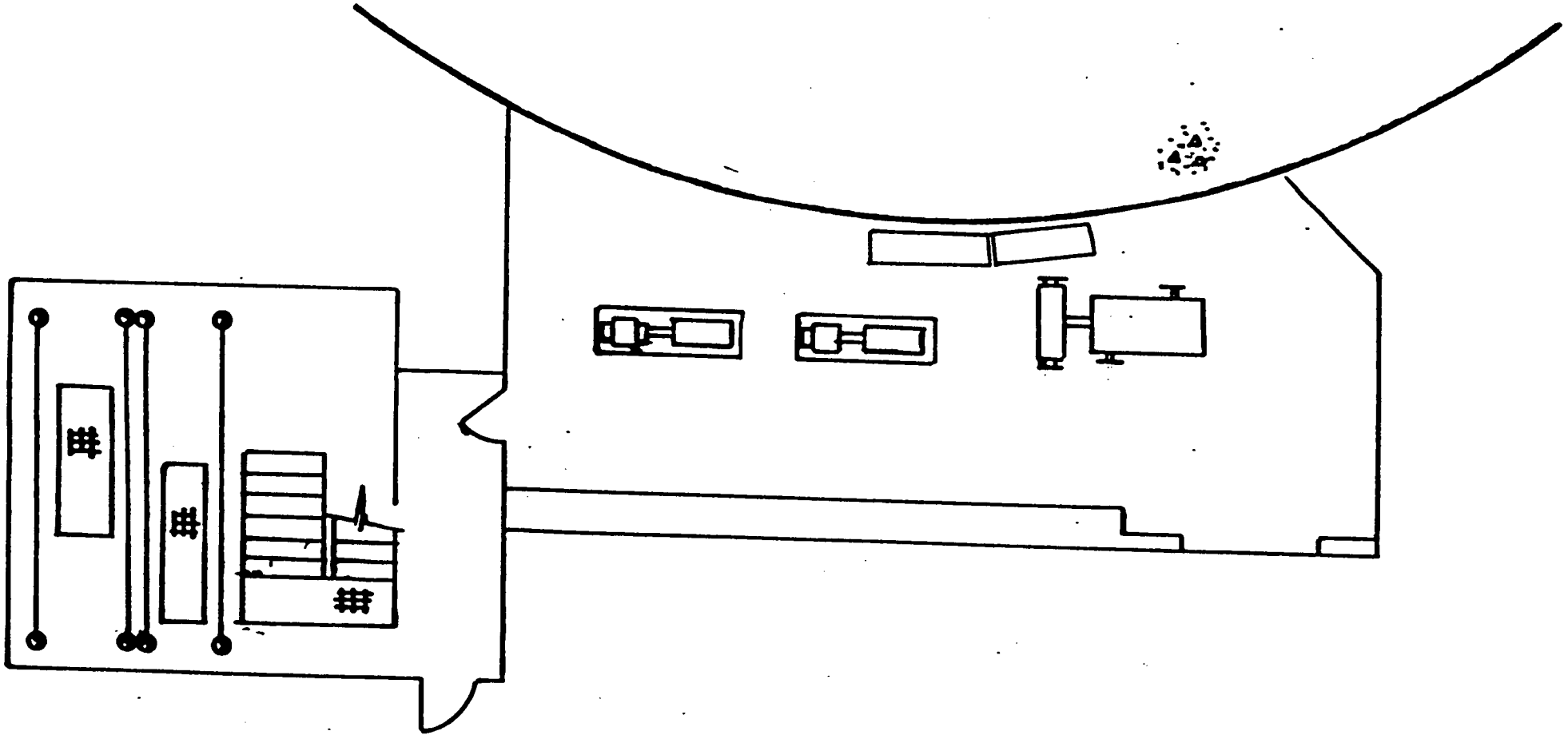
ALL READINGS ARE IN "mR/hr"

All readings are BKGD

AUXILIARY FEED PUMP BUILDING EL. 15'-0"

TIME:
0730-END

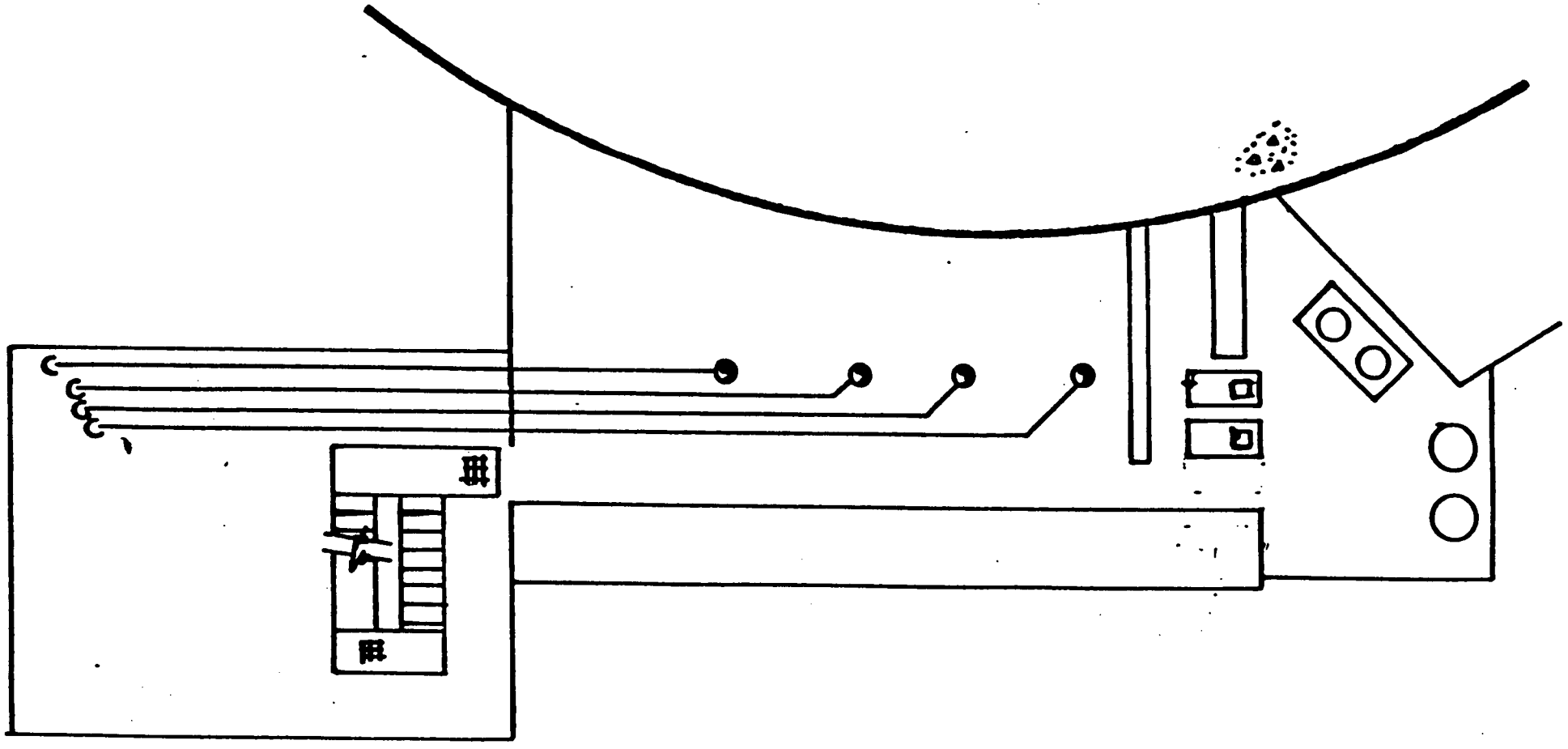
ALL READINGS
ARE BACKGROUND



AUXILIARY FEED PUMP BUILDING EL 32'-0"

TIME:
0730-END

ALL READINGS
ARE BACKGROUND

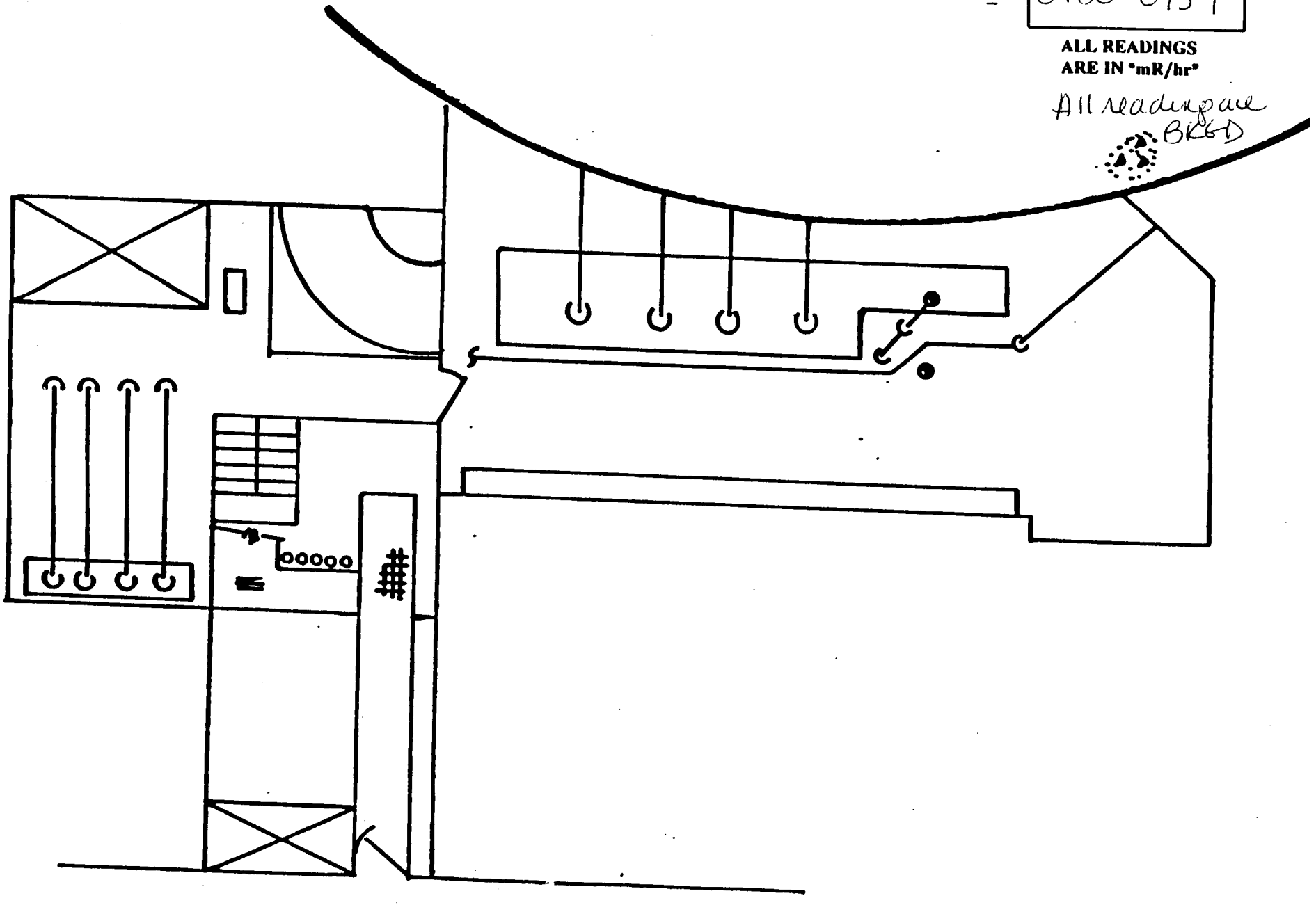


AUXILIARY FEED PUMP BUILDING EL. 42'-0"

7/21/93
TIME:
0730-0959

ALL READINGS
ARE IN "mR/hr"

All readings are BKGD

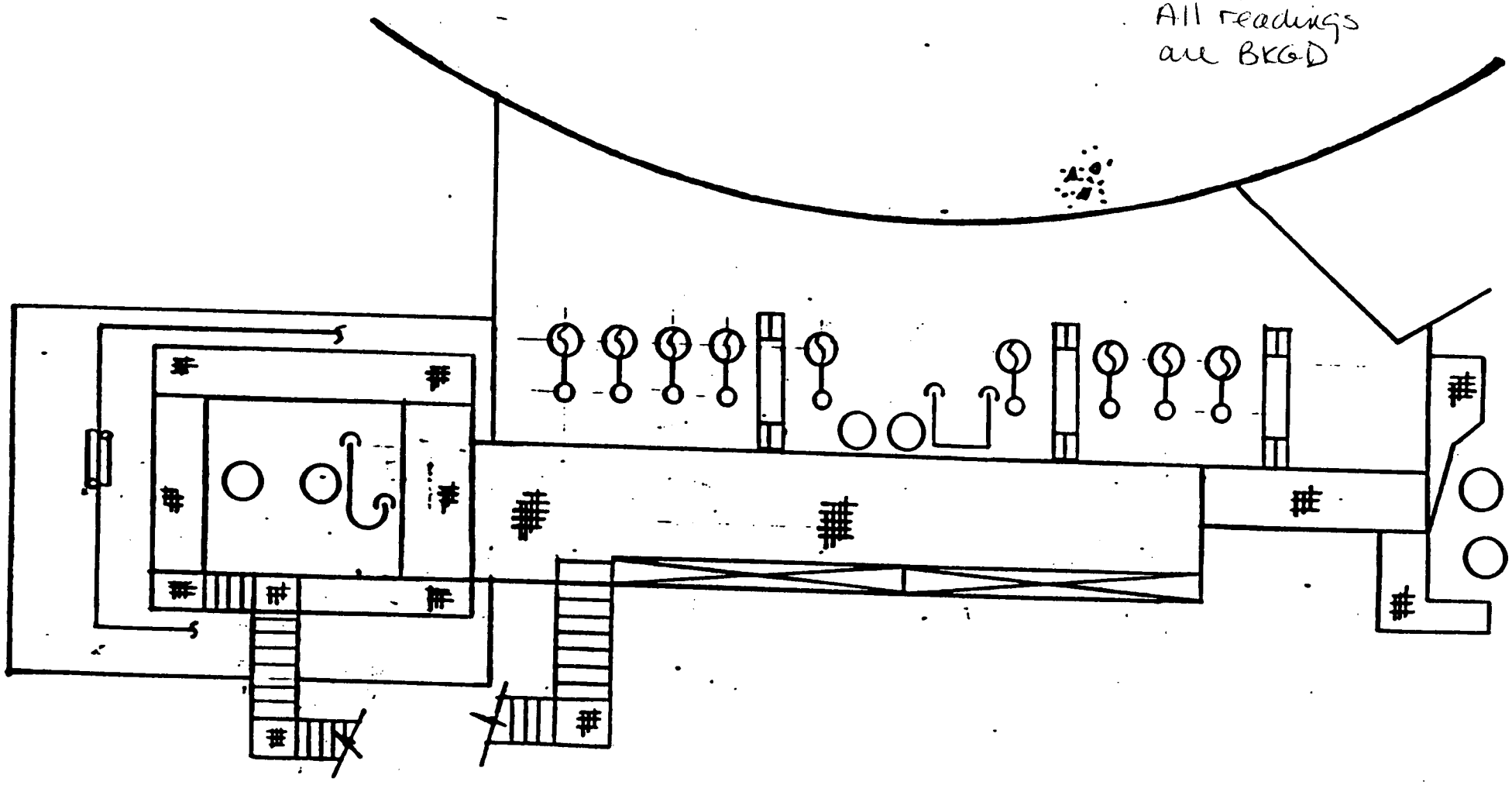


AUXILIARY FEED PUMP BUILDING EL. 64'-0"

7/21/93
TIME:
0730-0959

ALL READINGS
ARE IN "mR/hr"

All readings
are BKGD

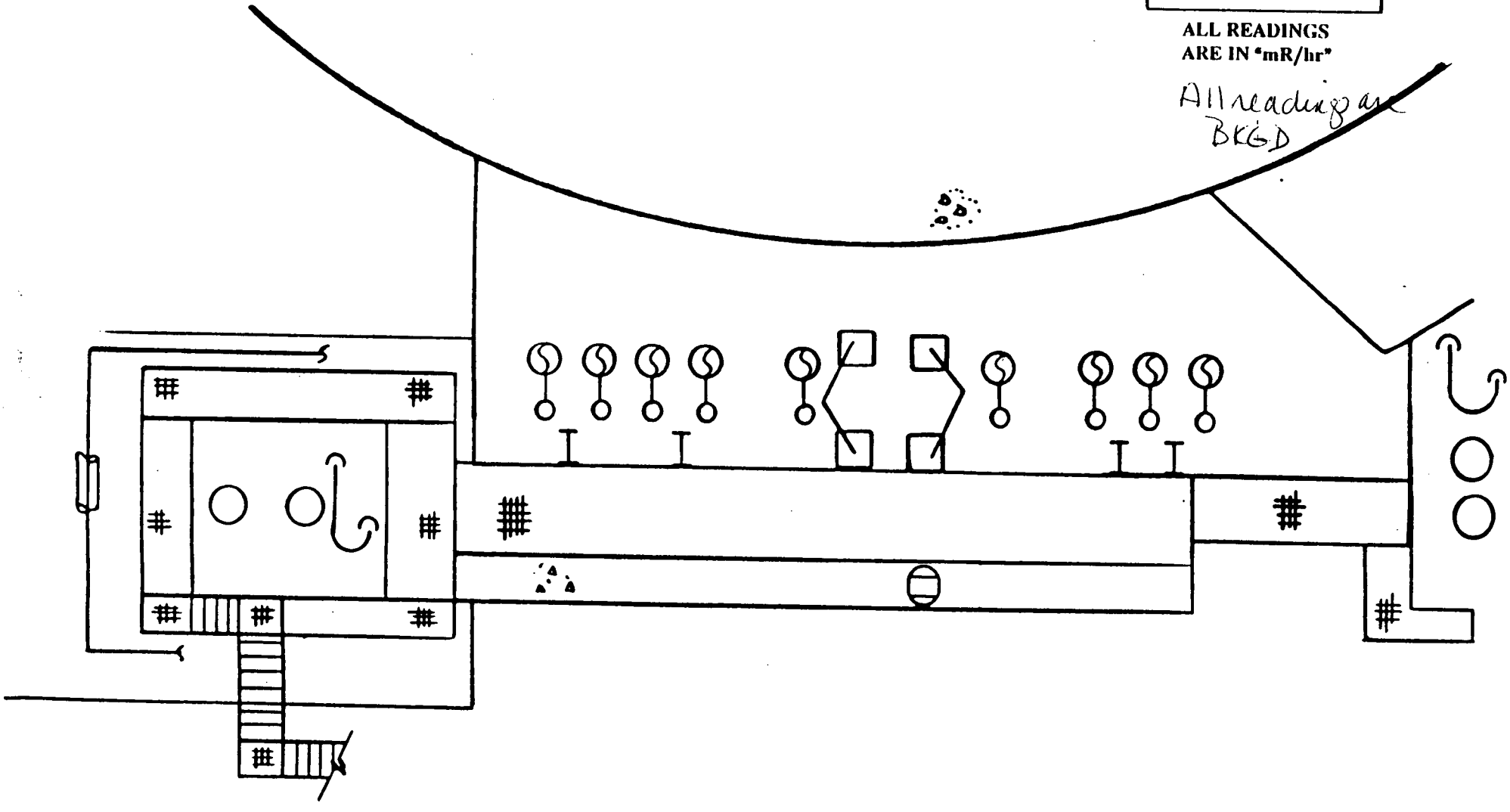


AUXILIARY FEED PUMP BUILDING EL. 73'-0"

7/21/93
TIME:
0730-0959

ALL READINGS
ARE IN "mR/hr"

All readings at BKGD

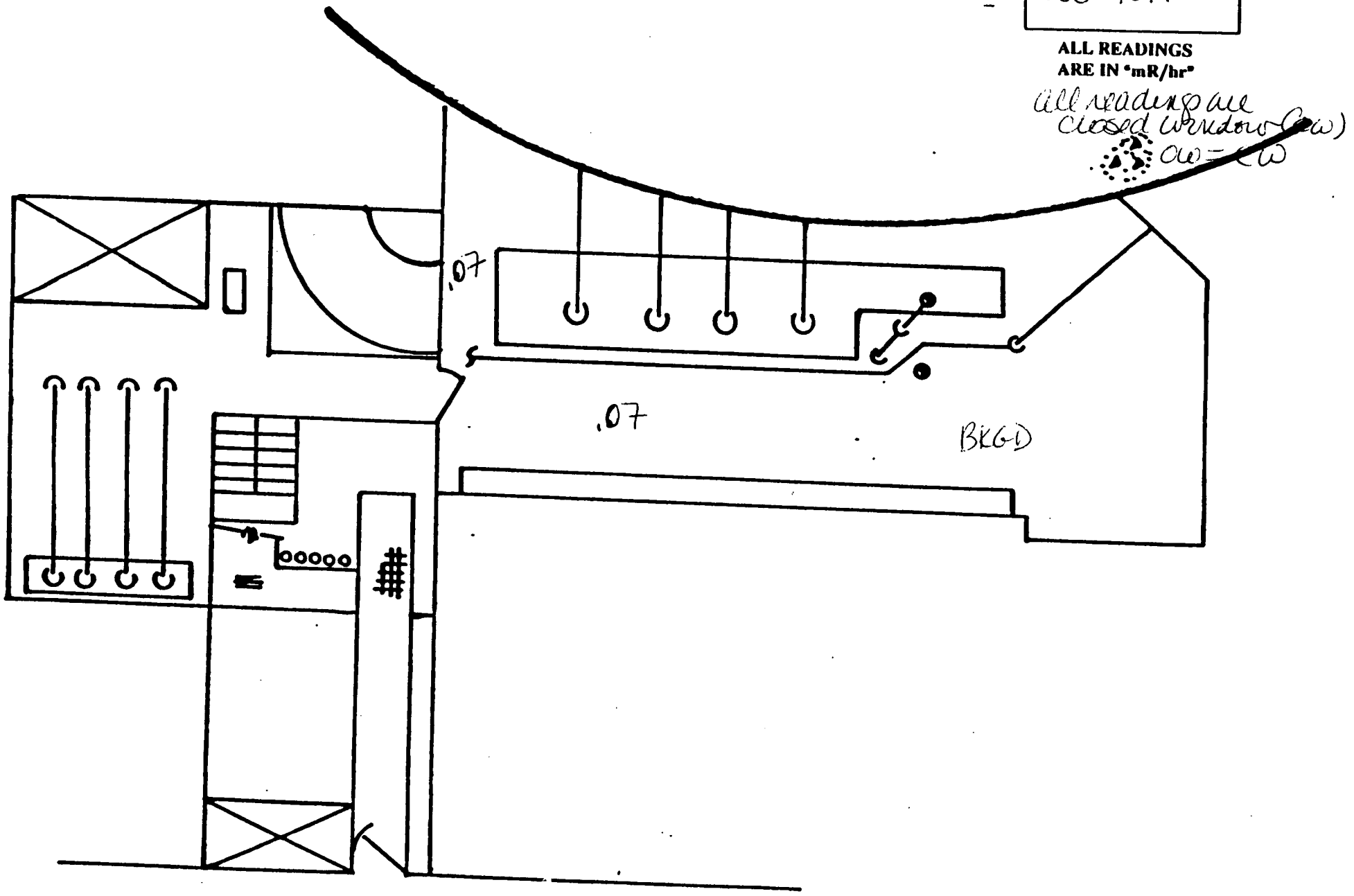


AUXILIARY FEED PUMP BUILDING EL. 42'-0"

7/21/93
TIME:
1000 - 1014

ALL READINGS
ARE IN "mR/hr"

all readings are closed window (cw)
ow = ow

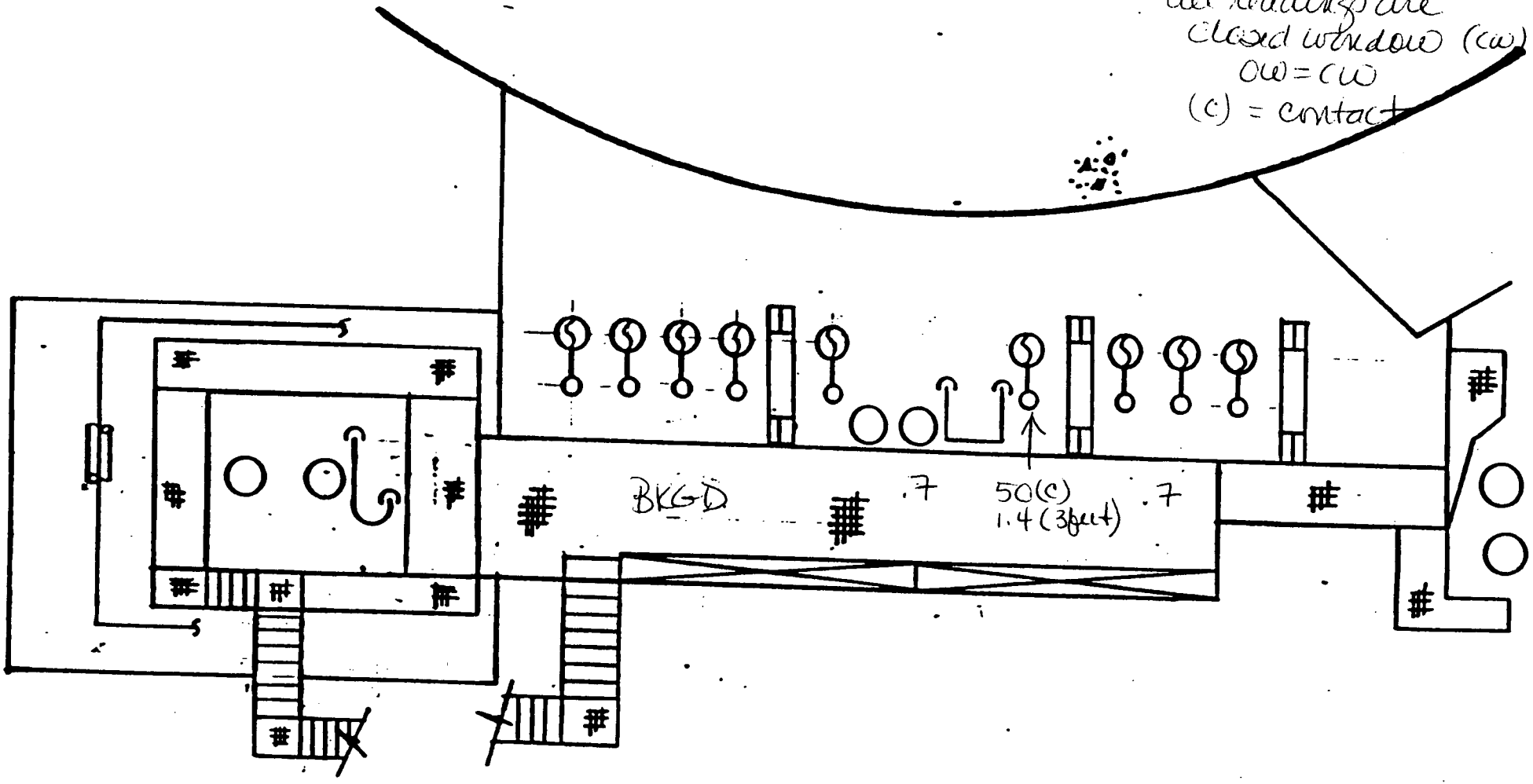


AUXILIARY FEED PUMP BUILDING EL. 64'-0"

7/21/93
TIME:
1000 - 1014

ALL READINGS
ARE IN "mR/hr"

all readings are
closed window (cw)
OW = CW
(c) = contact

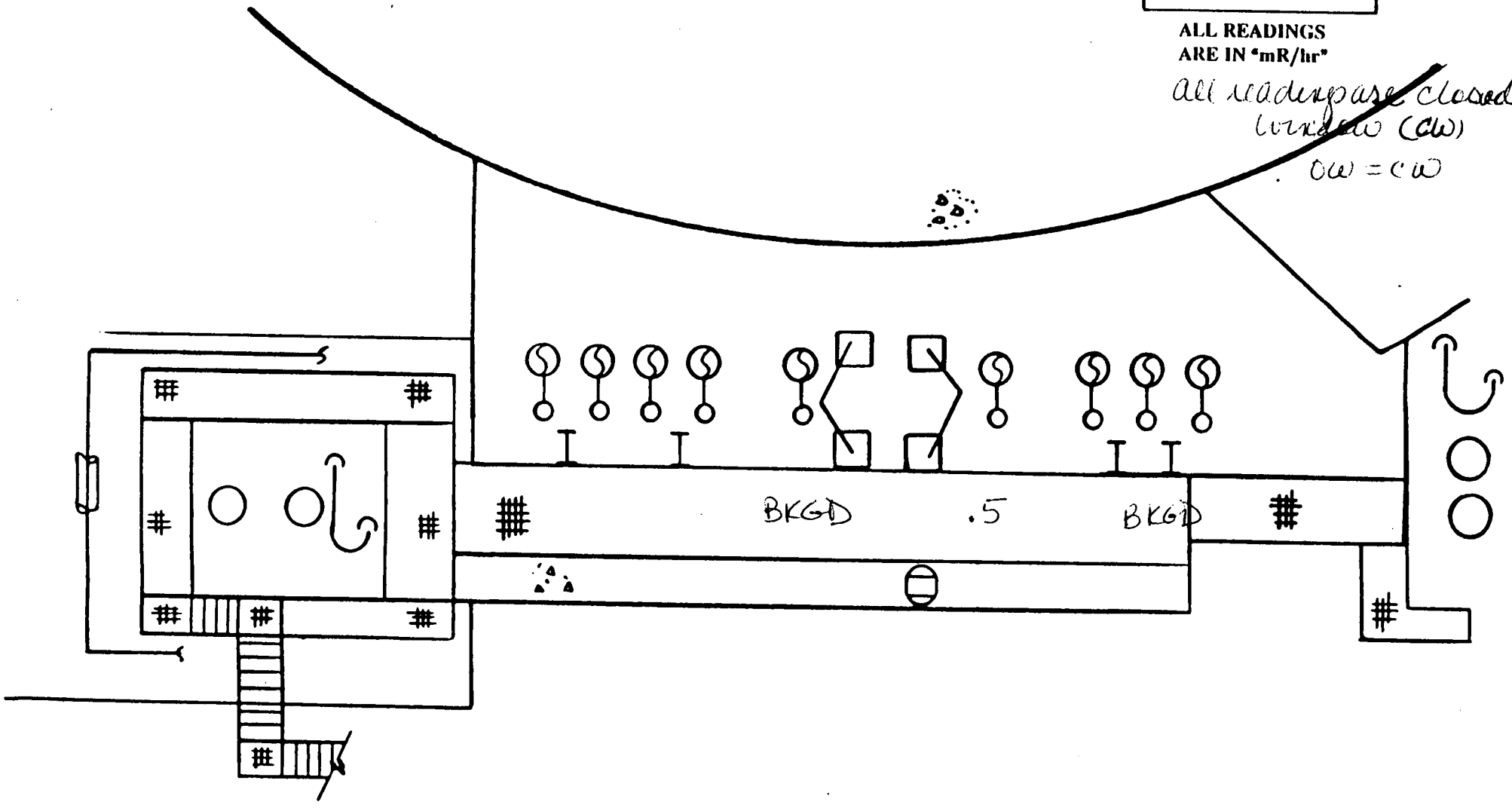


AUXILIARY FEED PUMP BUILDING EL. 73'-0"

7/21/93
TIME:
1000 - 1014

ALL READINGS
ARE IN "mR/hr"

all readings closed windows (CW)
OW = CW



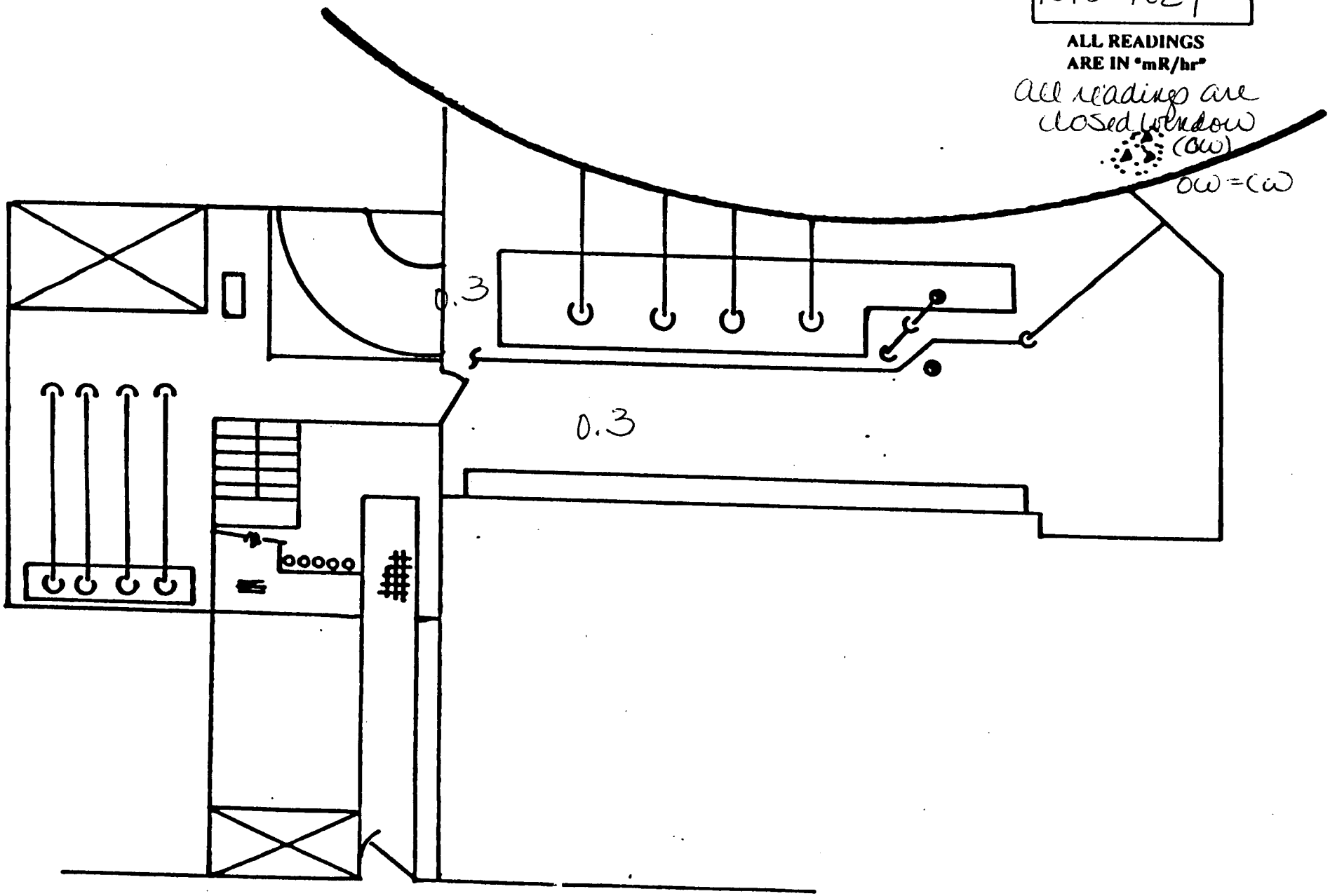
AUXILIARY FEED PUMP BUILDING EL. 42'-0"

7/21/93
TIME:
1015-1029

ALL READINGS
ARE IN "mR/hr"

all readings are closed window (cw)

ow = cw

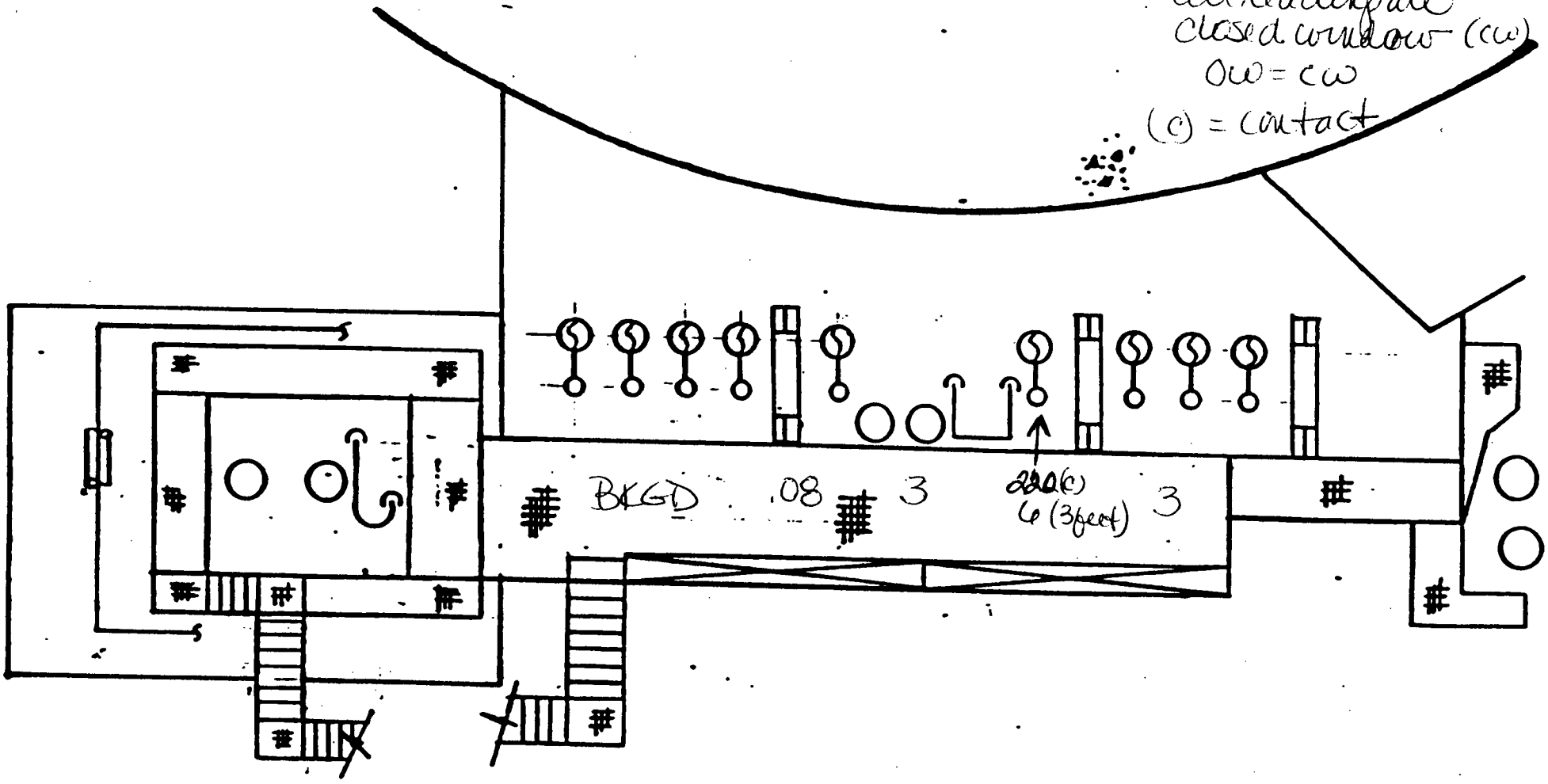


AUXILIARY FEED PUMP BUILDING EL. 64'-0"

7/21/93
TIME:
1015-1029

ALL READINGS
ARE IN "mR/hr"

All readings are closed window (cw)
OW = CW
(c) = contact

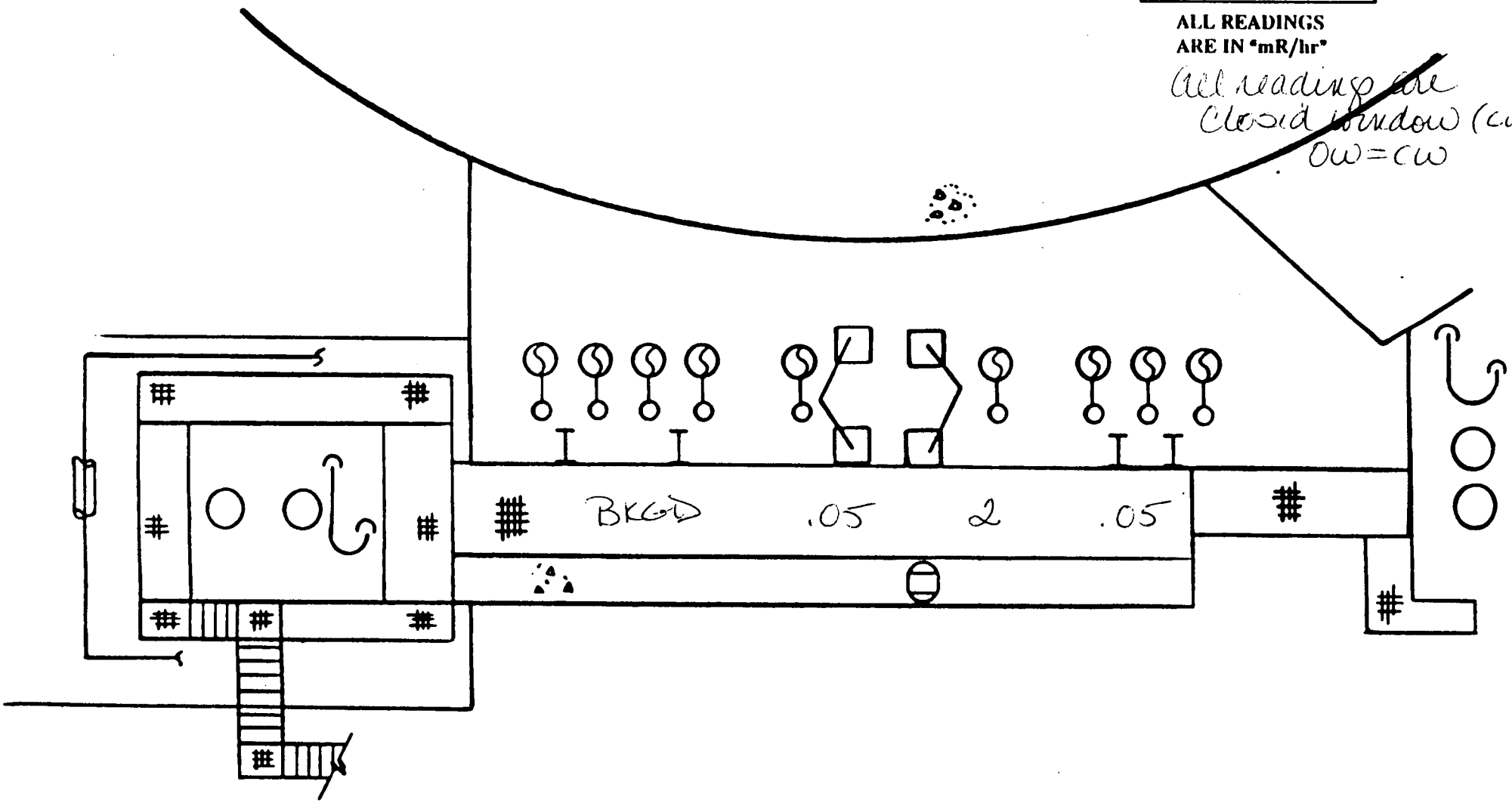


AUXILIARY FEED PUMP BUILDING EL. 73'-0"

7/21/93
TIME:
1015-1029

ALL READINGS
ARE IN "mR/hr"

All readings are
Closed window (cw)
OW=CW



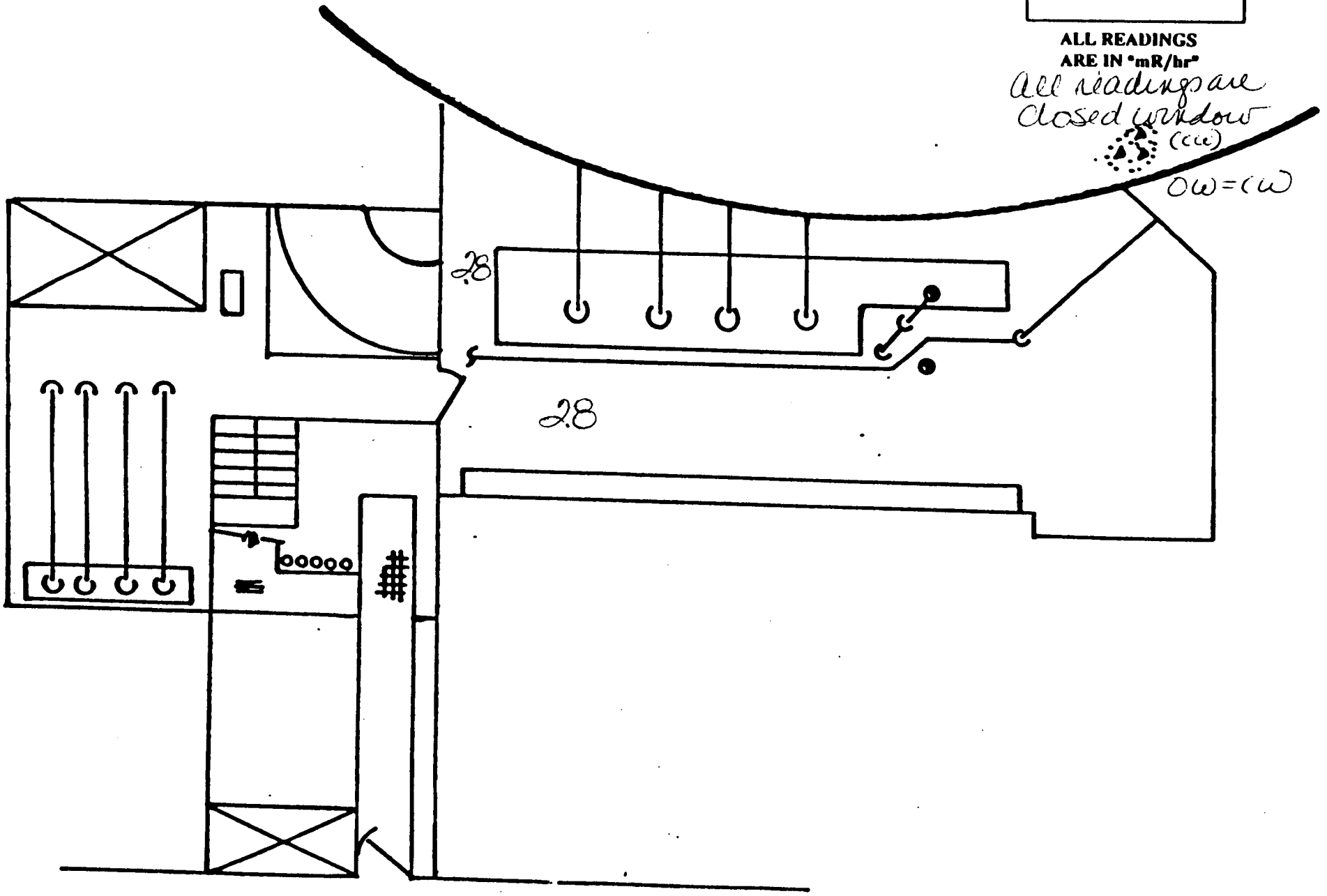
AUXILIARY FEED PUMP BUILDING EL. 42'-0"

7/21/93
TIME:
1030-1044

ALL READINGS
ARE IN "mR/hr"

All readings are closed window (cw)

OW=CW

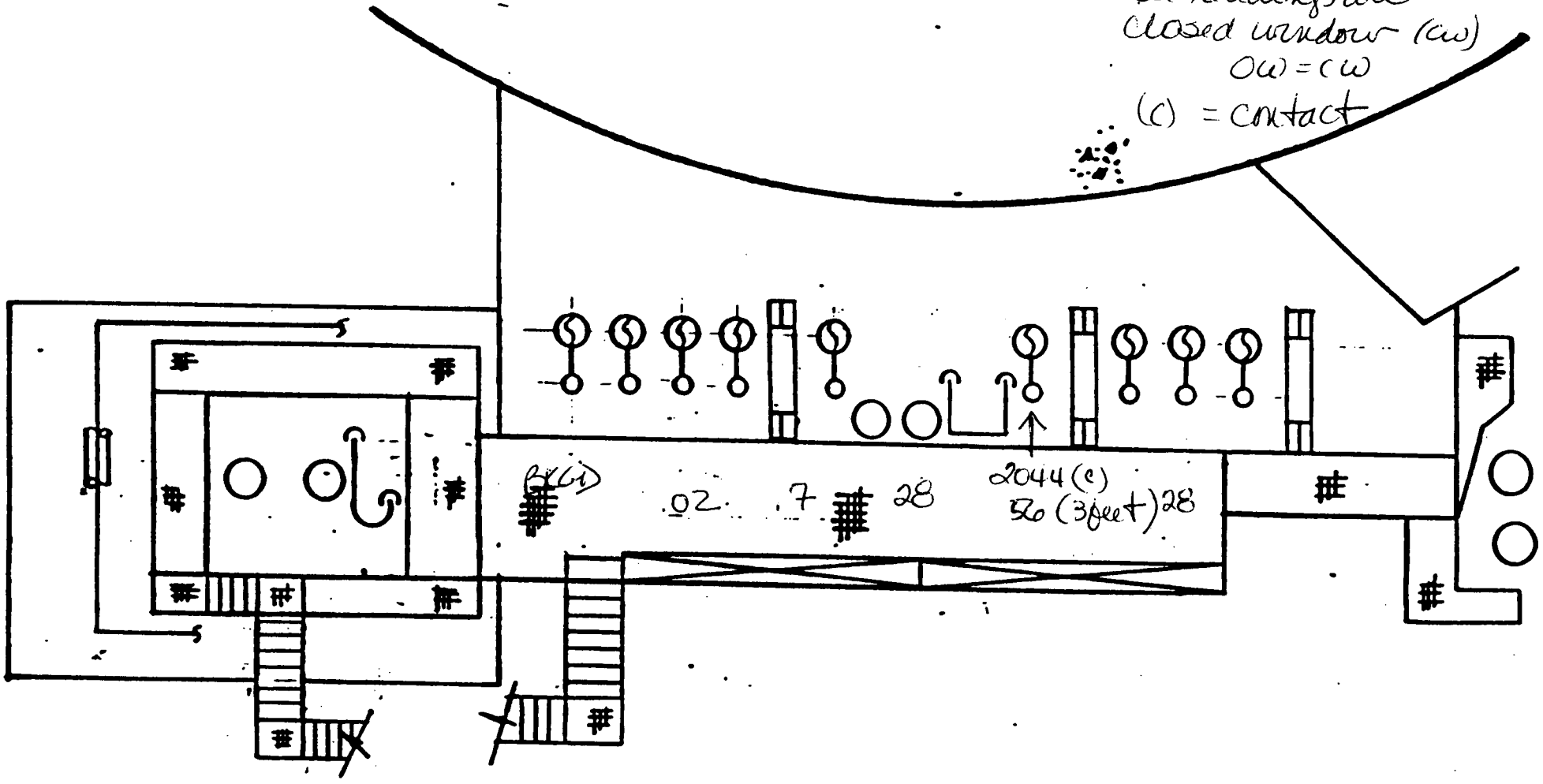


AUXILIARY FEED PUMP BUILDING EL. 64'-0"

7/21/93
TIME:
1030 - 1044

ALL READINGS ARE IN "mR/hr"

All readings are closed window (cw)
ow = cw
(c) = contact

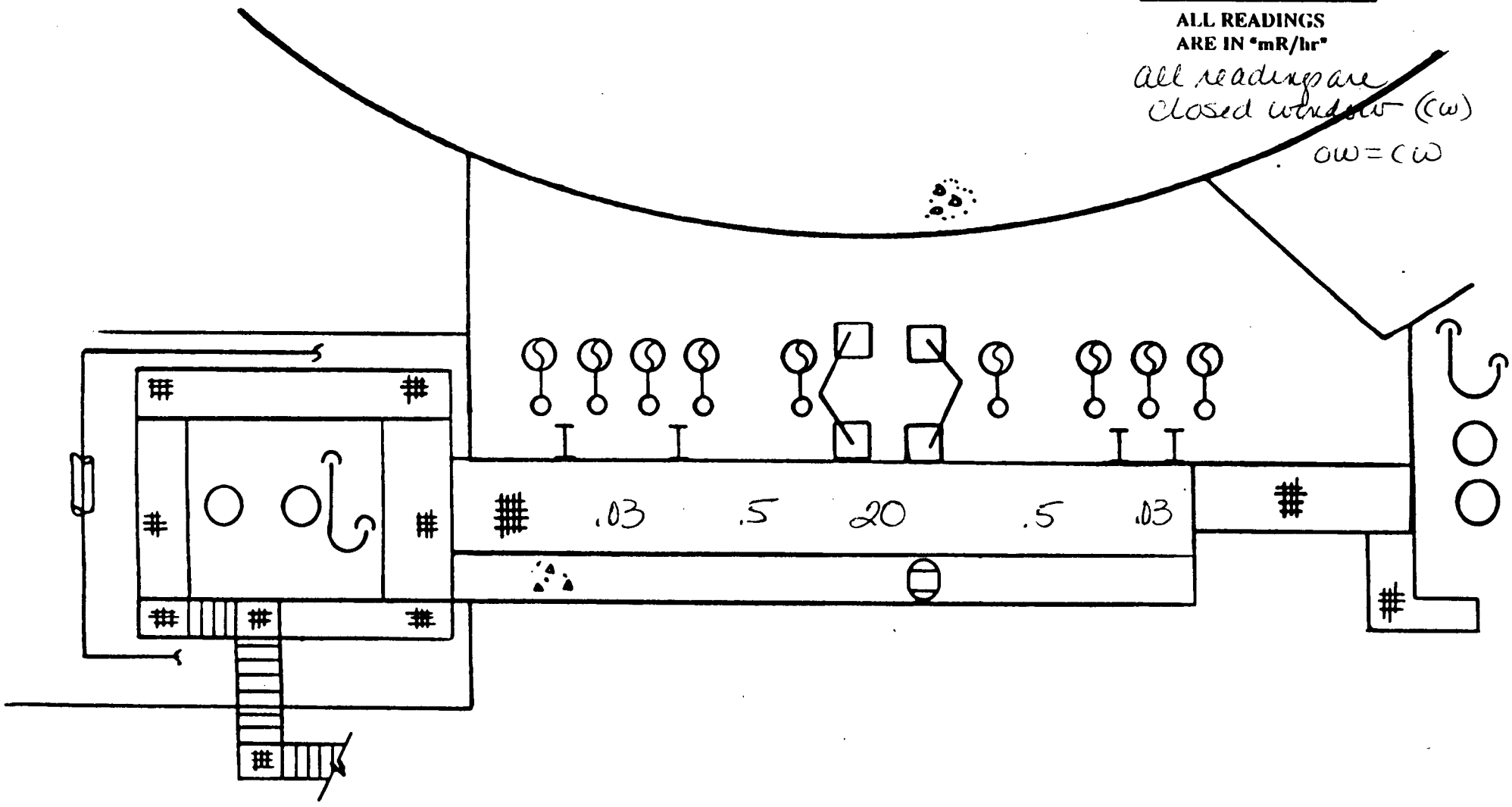


AUXILIARY FEED PUMP BUILDING EL. 73'-0"

7/21/93
TIME:
1030 - 1044

ALL READINGS
ARE IN "mR/hr"

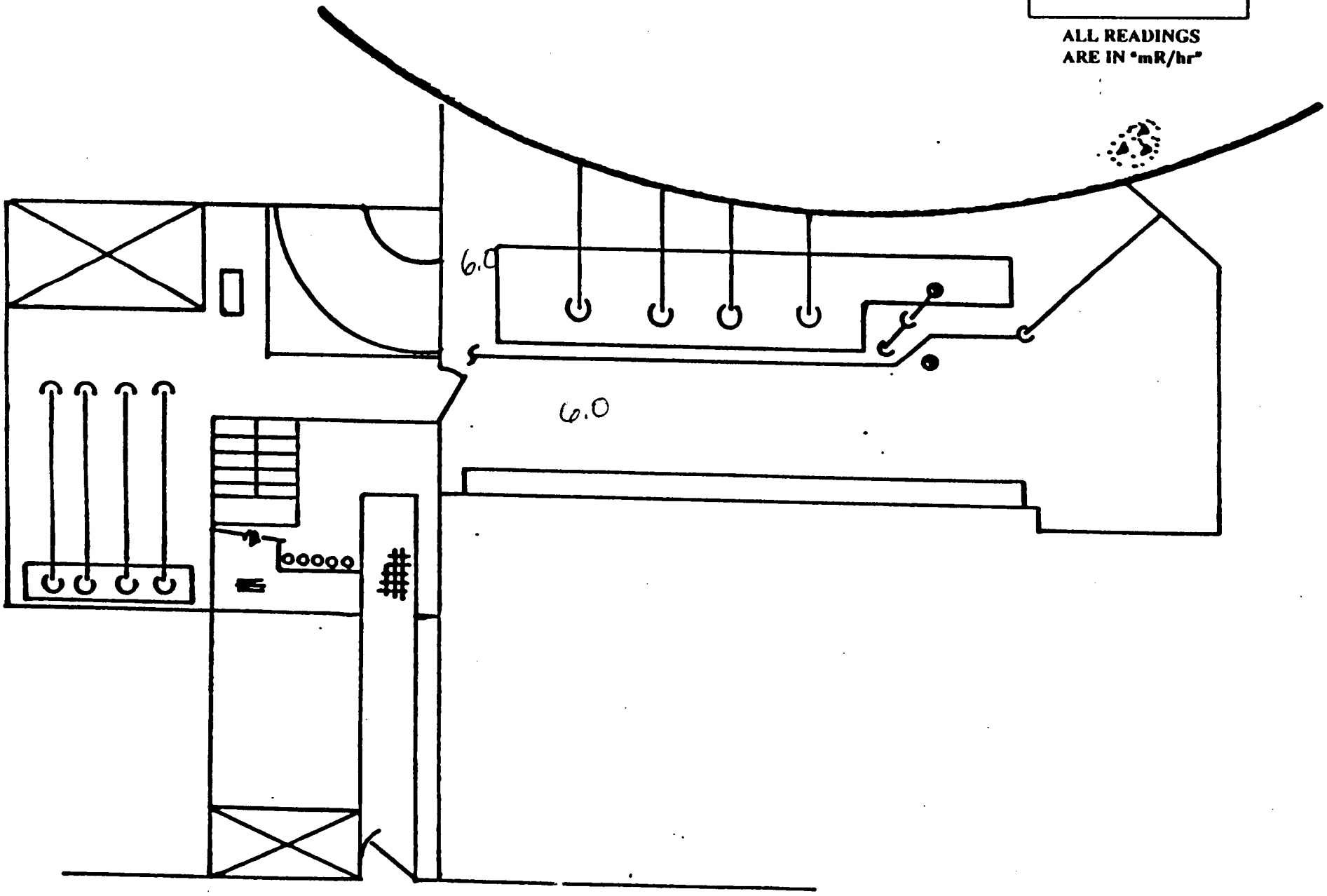
all readings are
closed window (cw)
ow = cw



AUXILIARY FEED PUMP BUILDING EL. 42'-0"

7/21/93
TIME:
1045-1059

ALL READINGS
ARE IN "mR/hr"

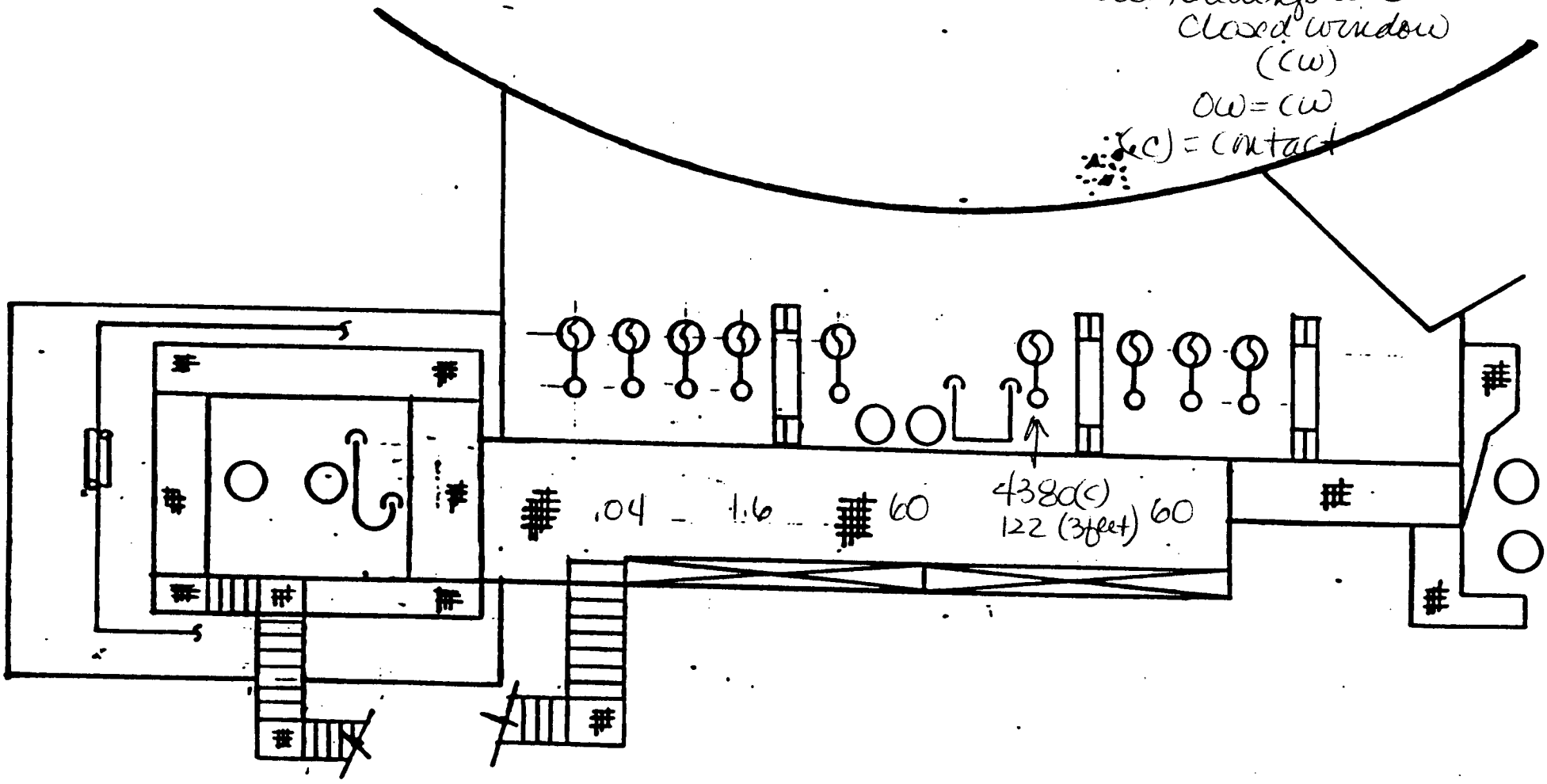


AUXILIARY FEED PUMP BUILDING EL. 64'-0"

7/21/93
TIME:
1045-1059

ALL READINGS
ARE IN "mR/hr"

All readings are closed window (cw)
OW = cw
(c) = contact

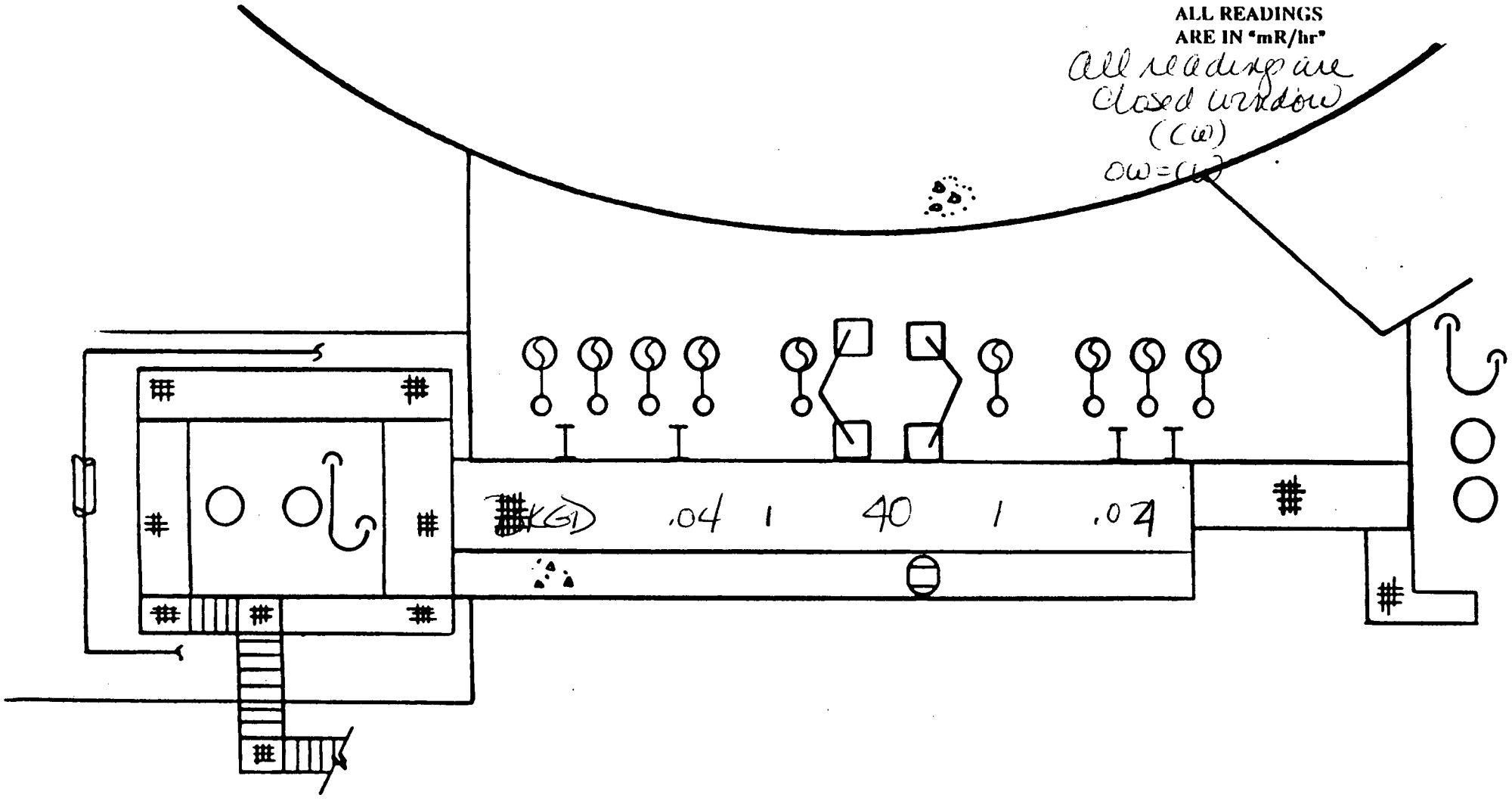


AUXILIARY FEED PUMP BUILDING EL. 73'-0"

7/21/93
TIME:
1045 - 1059

ALL READINGS
ARE IN "mR/hr"

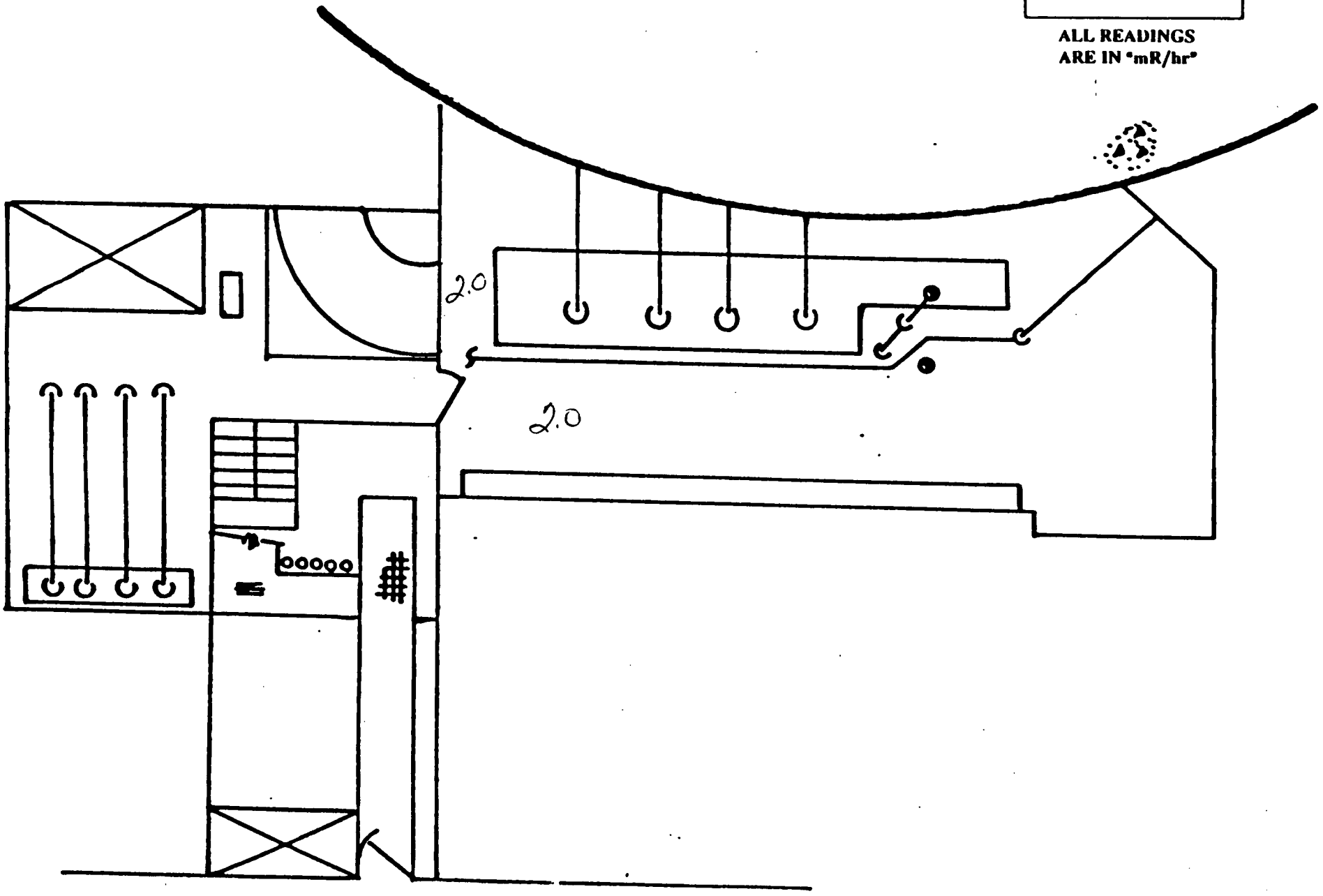
All readings are
closed window
(CW)
OW=(O)



AUXILIARY FEED PUMP BUILDING EL. 42'-0"

7/21/93
TIME:
1100-1114

ALL READINGS
ARE IN "mR/hr"

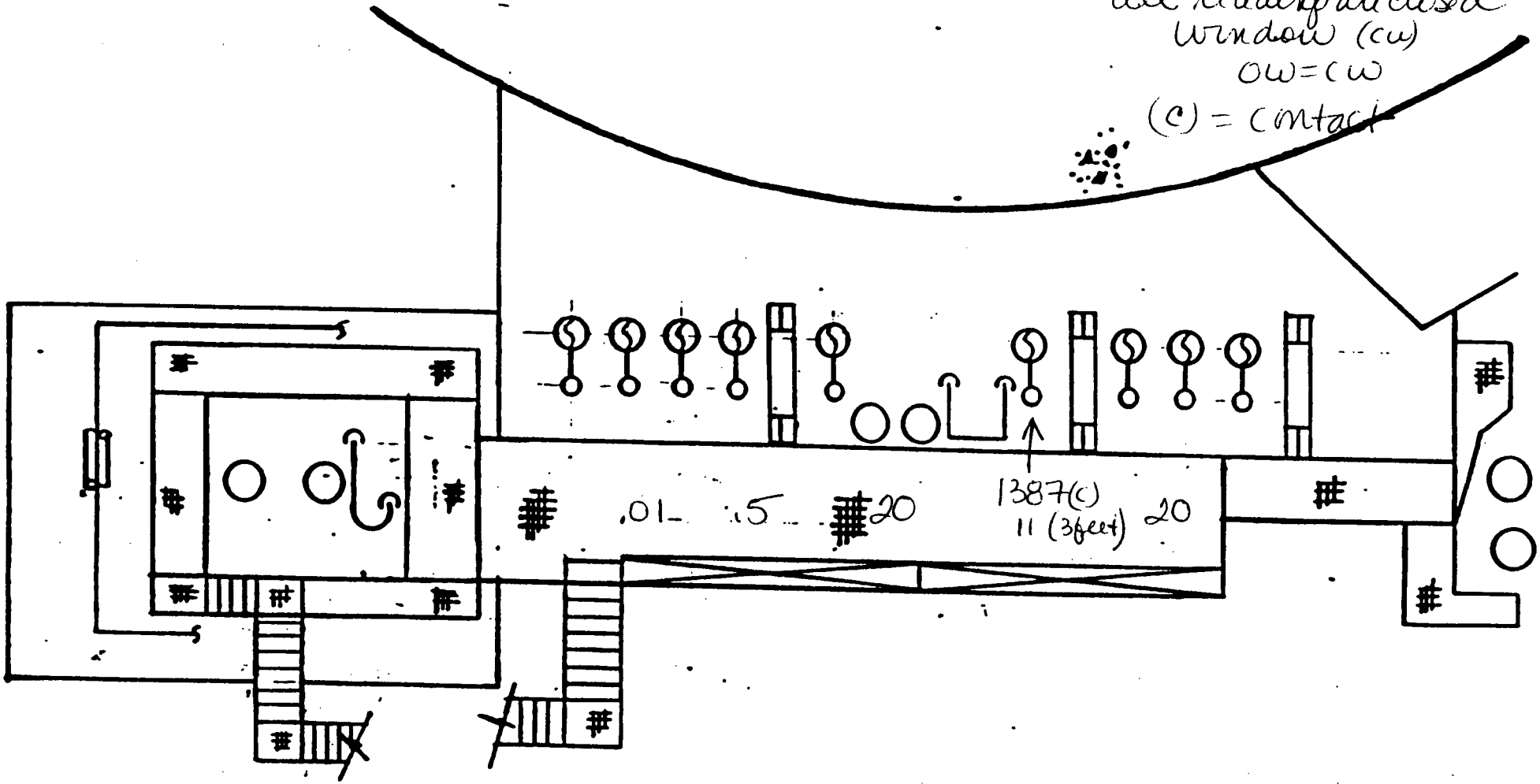


AUXILIARY FEED PUMP BUILDING EL. 64'-0"

7/21/93
TIME:
1100 - 1114

ALL READINGS
ARE IN "mR/hr"

All readings are closed window (cw)
OW = open window
(c) = contact

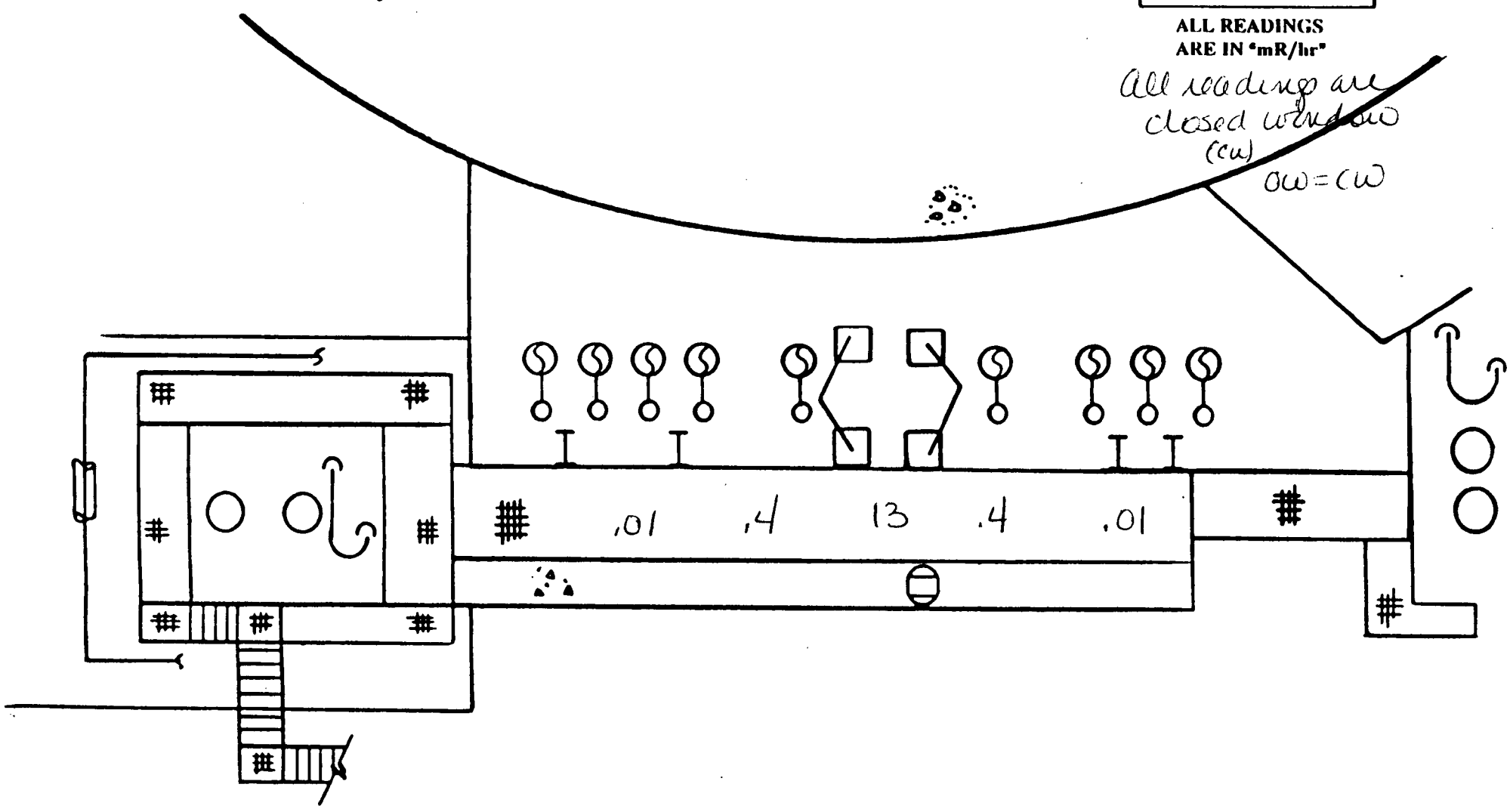


AUXILIARY FEED PUMP BUILDING EL. 73'-0"

7/21/93
TIME:
1100-1114

ALL READINGS
ARE IN "mR/hr"

All readings are closed window (cw)
OW = CW

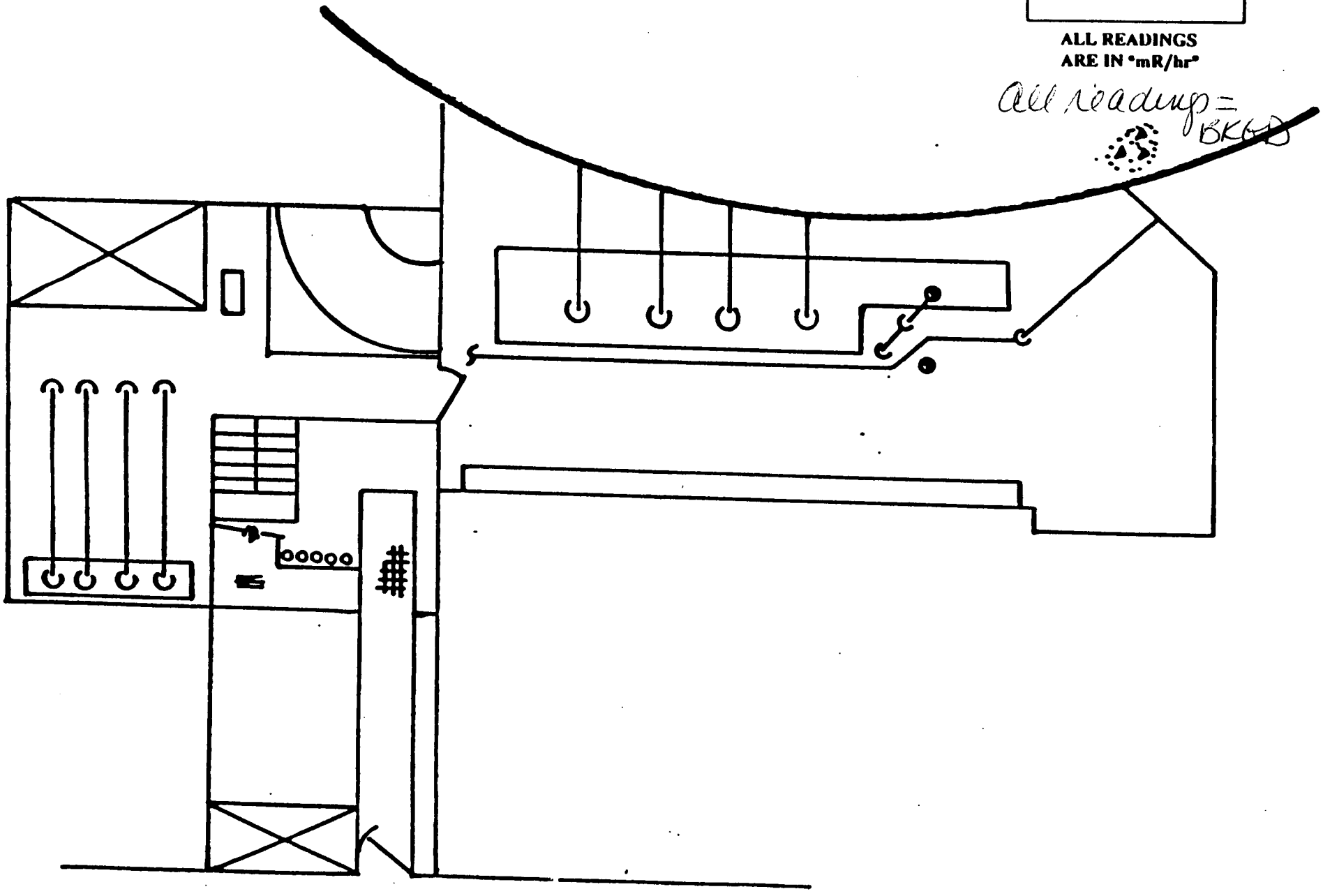


AUXILIARY FEED PUMP BUILDING EL. 42'-0"

7/21/93
TIME:
1115-END

ALL READINGS
ARE IN "mR/hr"

All readings = BKGD

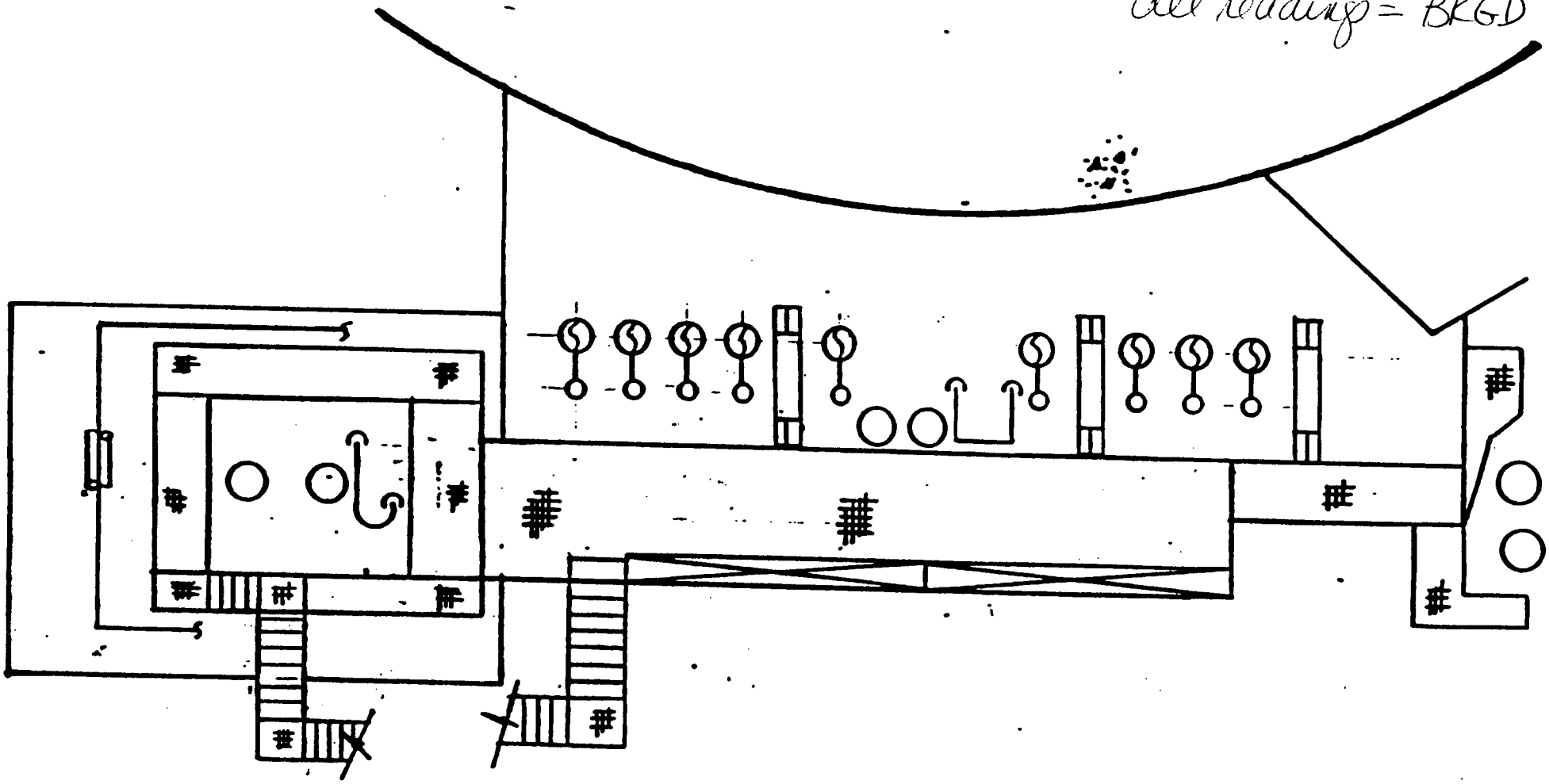


AUXILIARY FEED PUMP BUILDING EL. 64'-0"

7/21/93
TIME:
1115-END

ALL READINGS
ARE IN "mR/hr"

All readings = BKGD

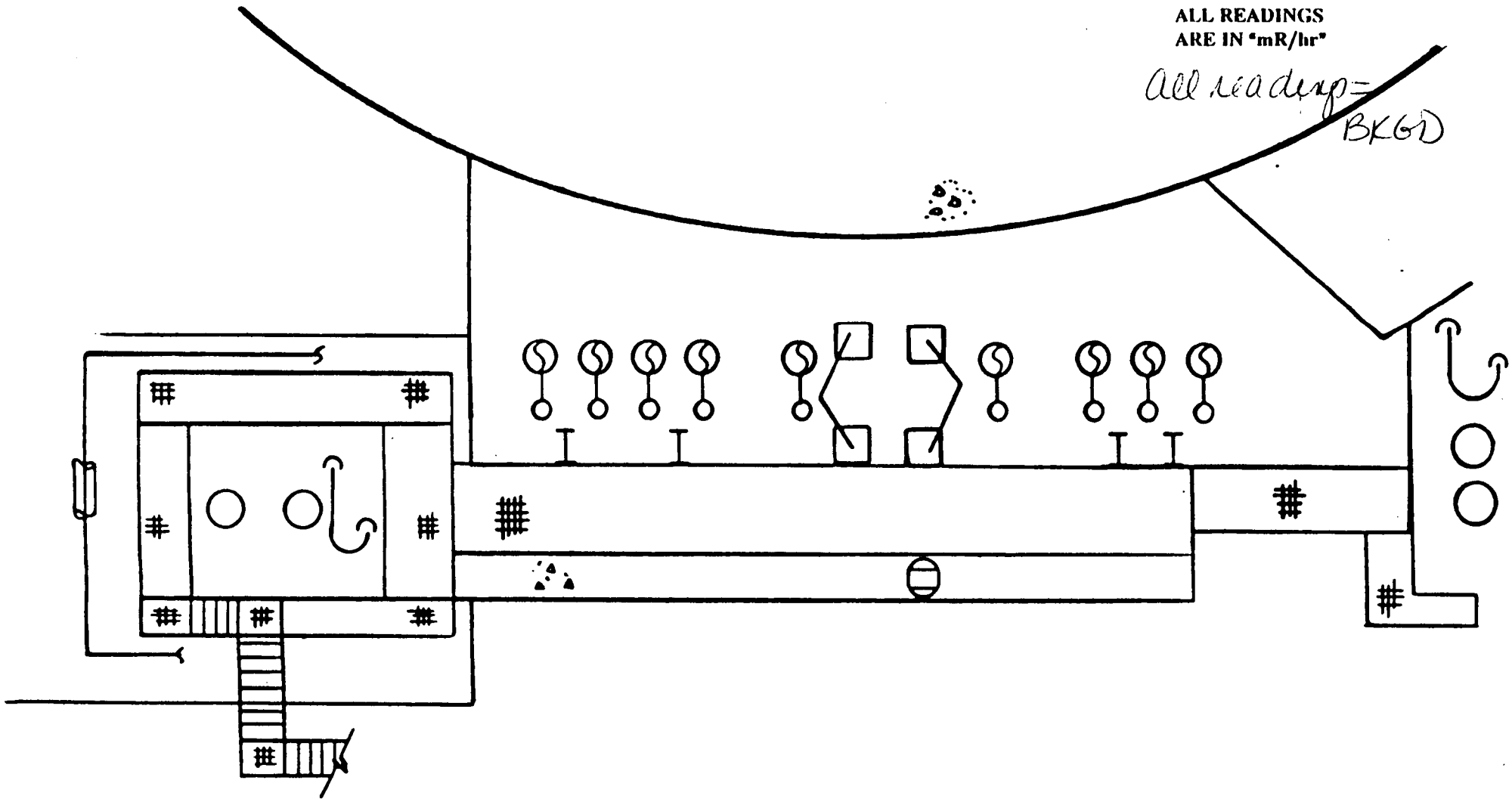


AUXILIARY FEED PUMP BUILDING EL. 73'-0"

7/21/93
TIME:
1115-END

ALL READINGS
ARE IN "mR/hr"

all readings = BKGD

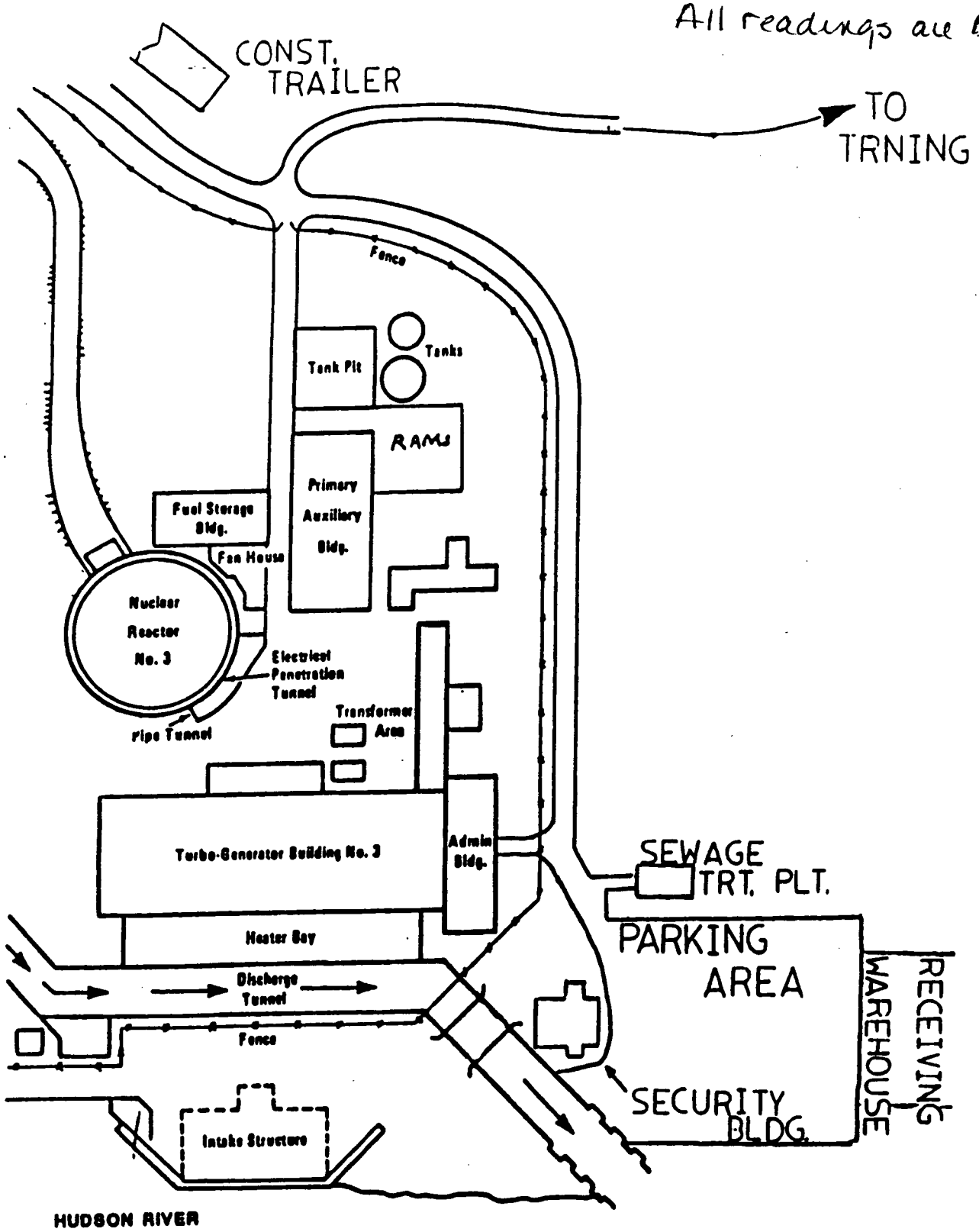


7/21/93

TIME
0730 - 0959

ONSITE SURVEY MAPS

All readings are BKGD

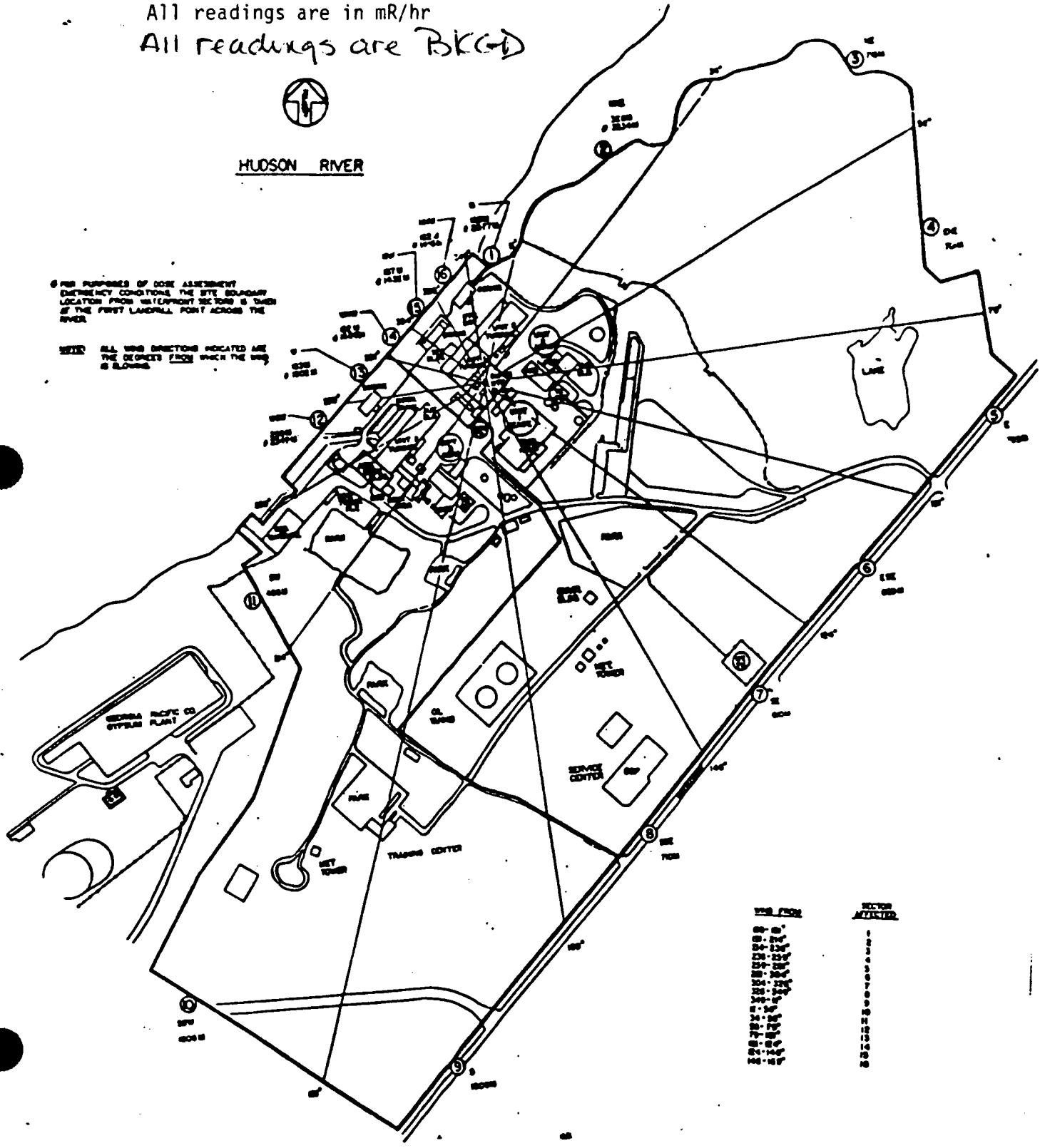


Date: 7/21/93

Time: 0730-0959

All readings are in mR/hr

All readings are BKGD

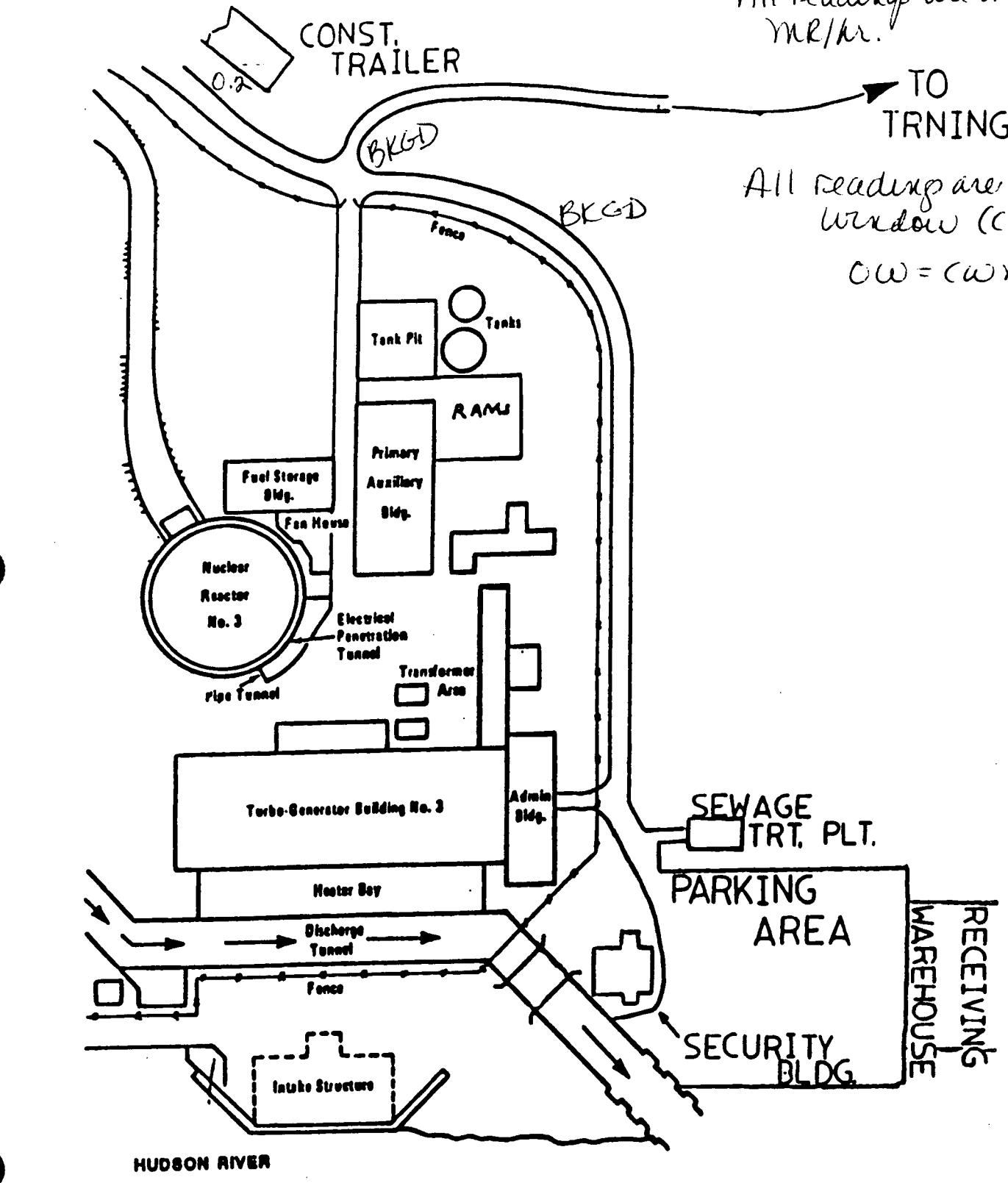


7/21/93

TIME
1000 - 1014

ONSITE SURVEY MAPS

All readings are in MR/hr.



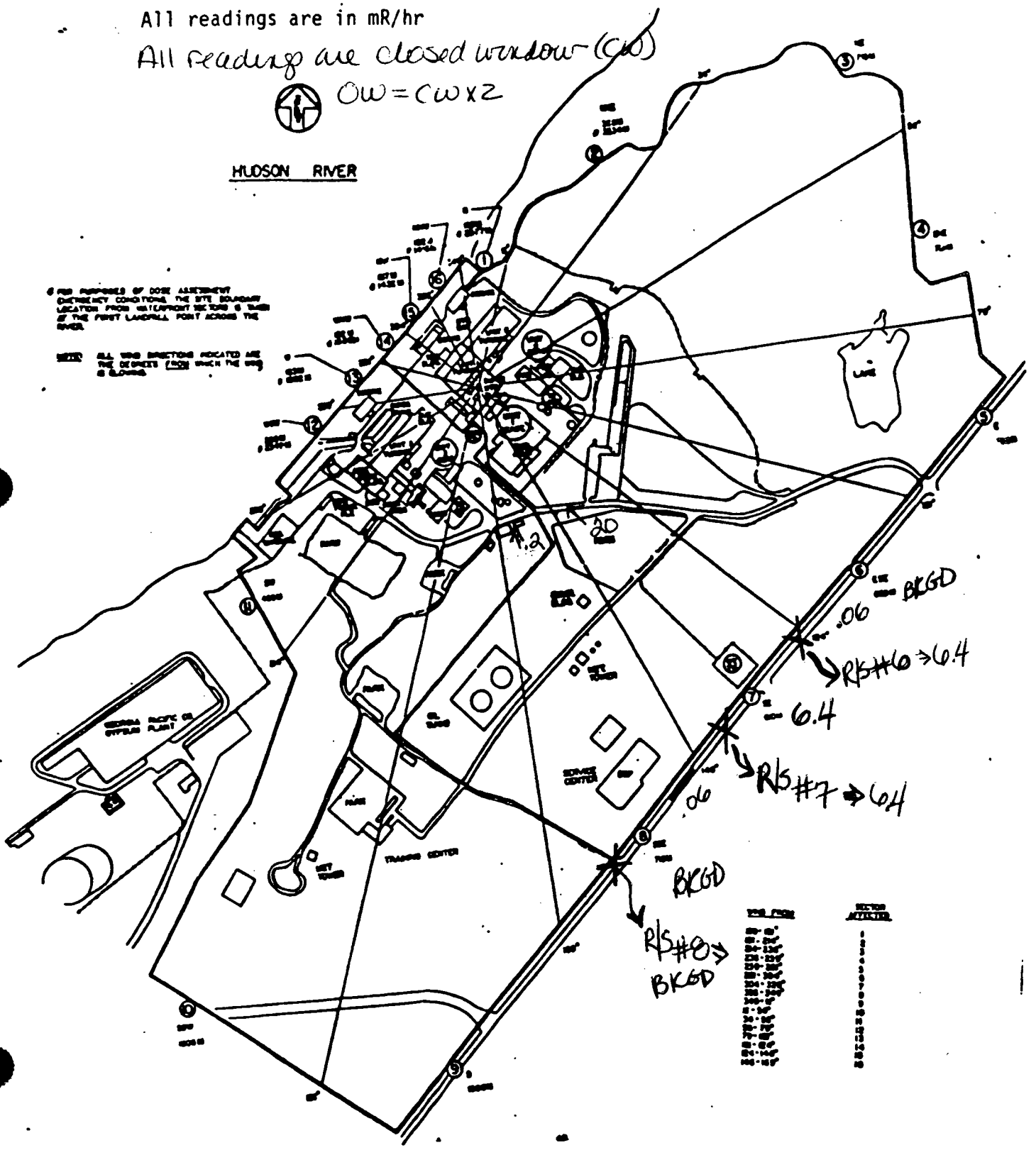
Date: 7/21/93

Time: 1000 - 1014

All readings are in mR/hr

All readings are closed window (CW)

OW = CW x 2

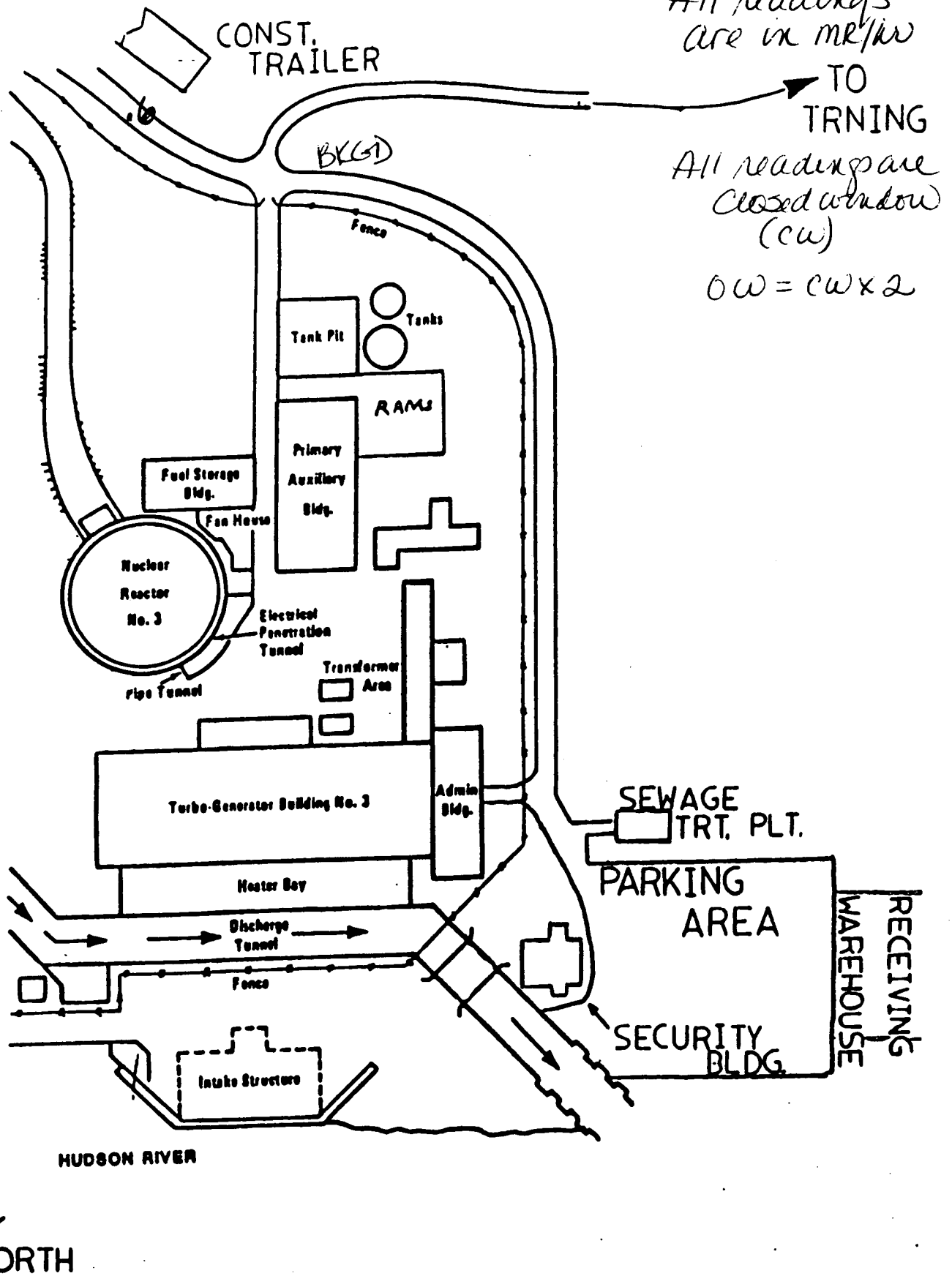


7/21/93

TIME
1015 - 1029

ONSITE SURVEY MAPS

All readings are in MR/hr



All readings are closed window (CW)

OW = CW x 2

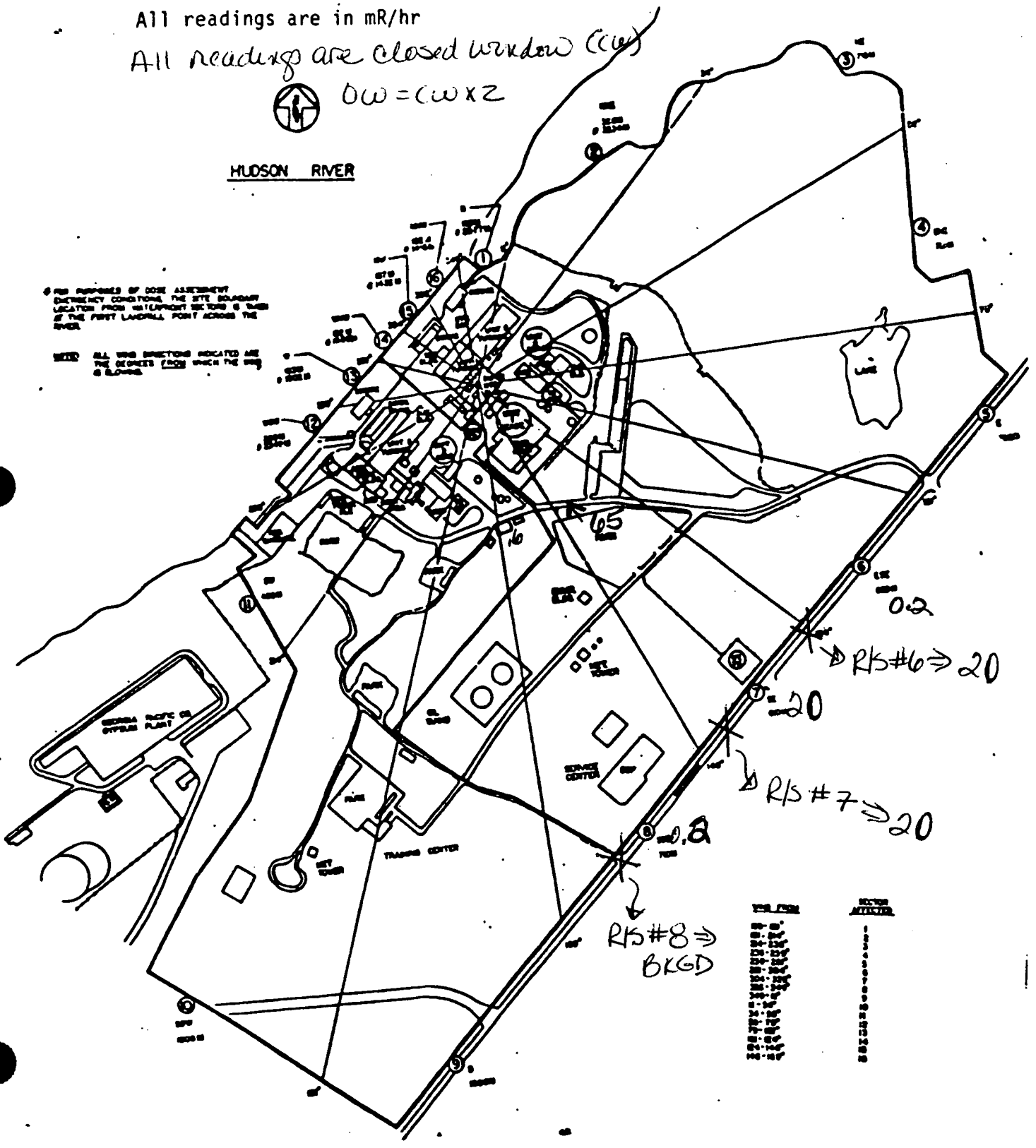
Date: 7/21/93

Time: 1015-1029

All readings are in mR/hr

All readings are closed window (cw)

$OW = CW \times 2$

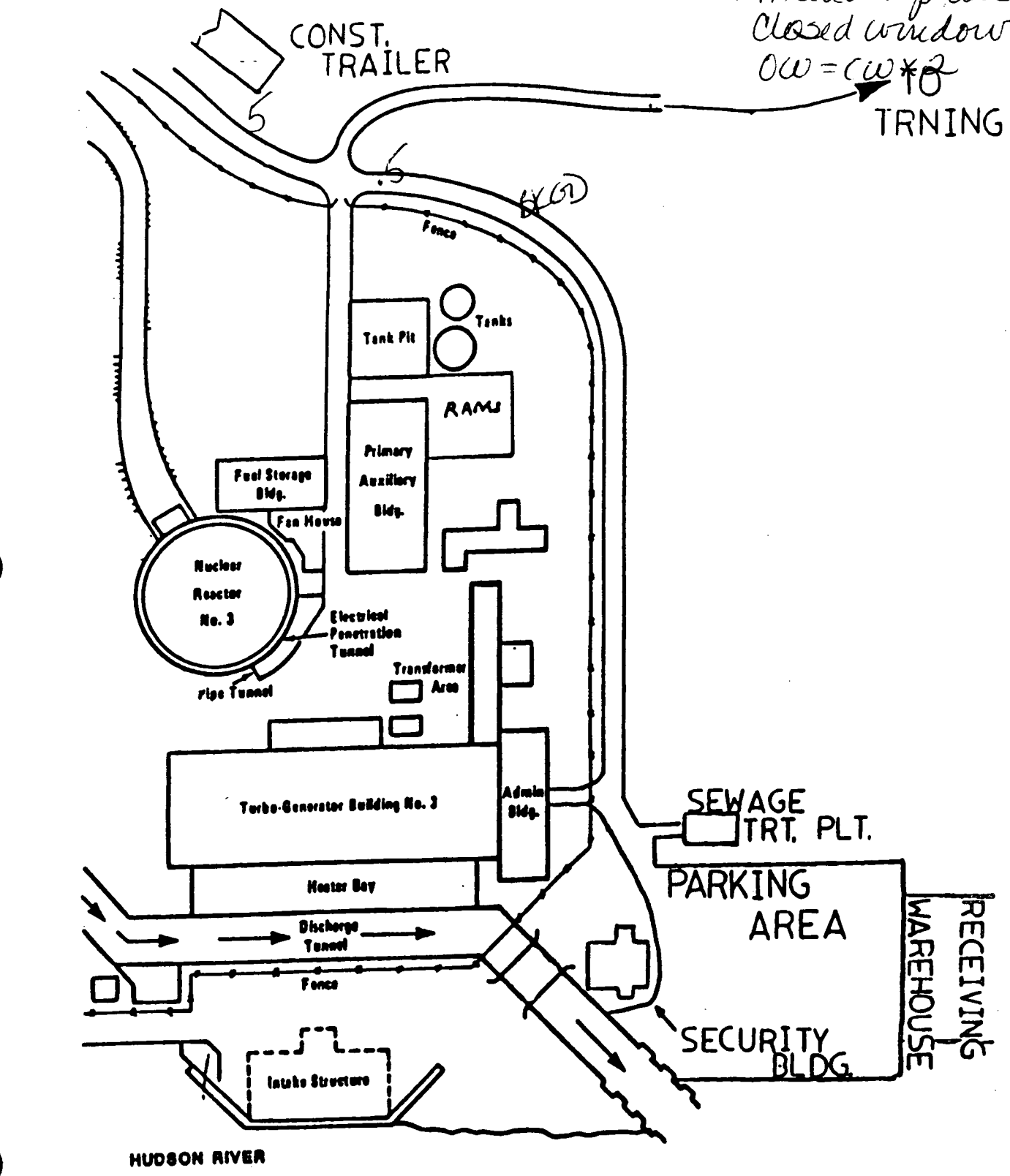


7/21/93

TIME
1030-1044

All readings are Closed window (cw)
OW = CW * 10

ONSITE SURVEY MAPS



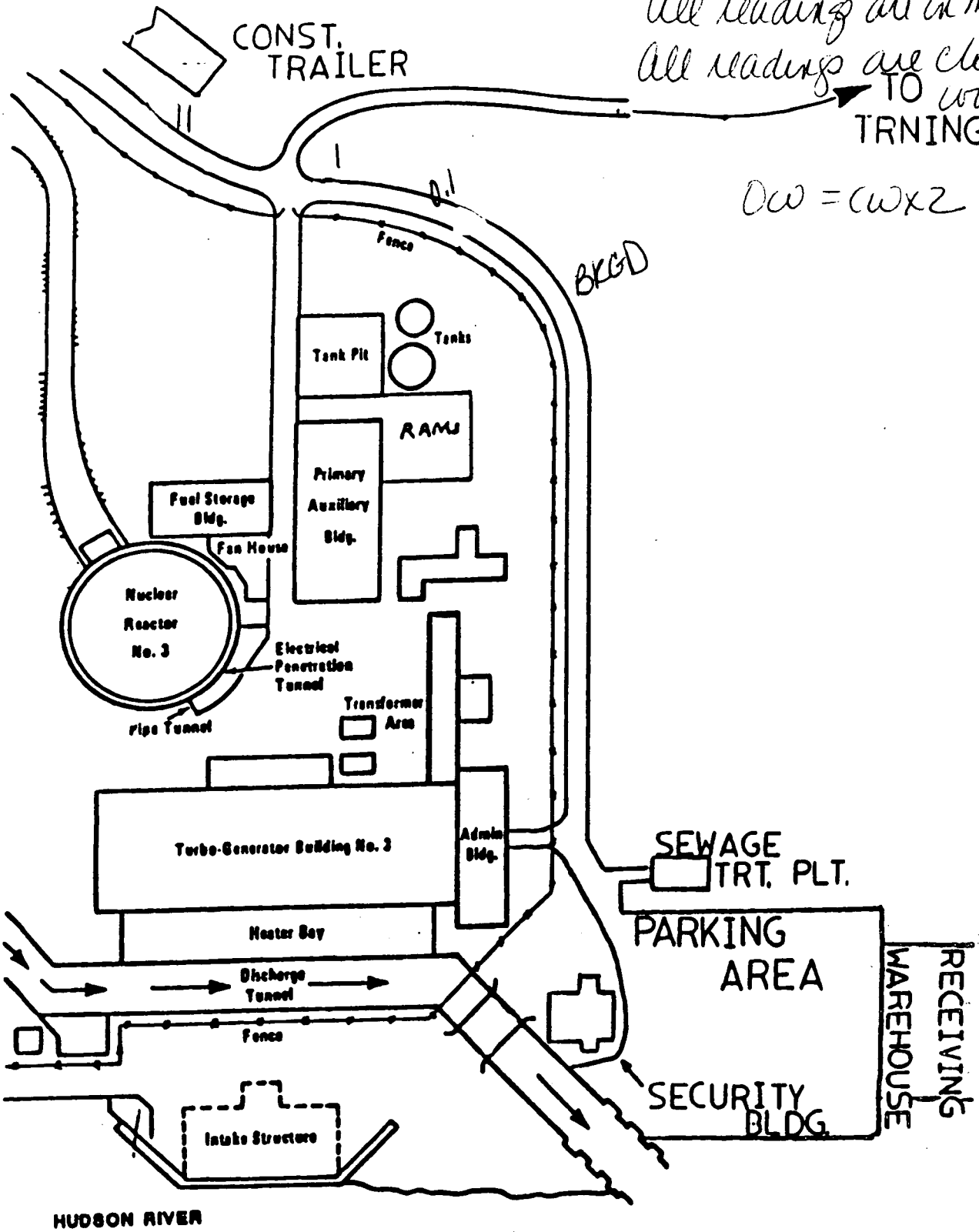
7/21/93

TIME
1045-1059

ONSITE SURVEY MAPS

All readings are in mR/hr
All readings are closed window
TO TURNING (CW)

OW = CW x 2



SECTION 8

METEOROLOGICAL DATA

NEW YORK POWER AUTHORITY
INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1993 NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

JULY 21, 1993

I. Scenario Meteorological Data - Actual/Forecast

NEW YORK POWER AUTHORITY

INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1993 NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

JULY 21, 1993

TABLE I

METEOROLOGICAL DATA

TIME	WIND DIRECTION (° FROM)	WIND SPEED (m/s)	PASQUILL CATEGORY	FORECAST W/D (° FROM)	FORECAST W/S (mph)	FORECAST PASQUILL CATEGORY
0700	280	2.5	D	270	6	D
0715	280	2.5	D			
0730	285	2.5	D			
0745	280	2.5	D			
0800	280	2.5	D	275	6	D
0815	285	2.7	D			
0830	285	2.7	D			
0845	285	2.9	D			
0900	290	3.0	C	280	7	D
0915	290	3.0	C			
0930	290	3.0	C			
0945	300	3.0	C			
1000	310	3.0	C	290	7	C
1015	310	3.0	C			
1030	310	3.0	C			
1045	310	3.0	C			
1100	310	3.0	C	300	7	C
1115	310	3.0	C			
1130	310	3.0	C			
1145	310	3.0	C			
1200	310	3.0	C	310	7	C
1300				310	↓	↓
1400				320		
1500				320		
1600				330		
1700				340		
1800				345		
1900				350		
2000				360		
2100				↓		
2200						
2300						
2400						
0100						
0200						
0300						
0400						
0500						
0600						