NEW YORK POWER AUTHORITY INDIAN POINT NO. 3 NUCLEAR POWER PLANT 1993 NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

JULY 21, 1993

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NEW YORK POWER AUTHORITY

INDIAN POINT NO. 3 NUCLEAR POWER PLANT

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.

<u>Name</u>	<u>Title</u>
Mary Ann Chaubard	Emergency Planning Engineer
Mayne Robinson Wayne Robinson	Simulator Support Supervisor
Robert Cullen	Nuclear Chemical Engineer
Boccio Boccio	I&C Senior Planner
Charlene Faison 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



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 <u>all</u> communications indicate <u>"THIS IS A DRILL"</u>. 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".
- 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 <u>request</u> 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

NewYork 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 MUCLEAR 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.

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

- 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)
- 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 <u>Protective Action Recommendations</u>

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)

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 0.4.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 <u>Use of Potassium Iodide</u>

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. (0.4.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 <u>real</u> message will be preceded with the words "This is <u>NOT</u>, repeat <u>NOT</u> 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.
 - 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 <u>not</u> 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).

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

EXERCISE ASSIGNMENT SHEET

JOB FUNCTION	OBSERVER	DRILL EXTENSION
Lead Controller	Dave Bell	(Page)
Control Room Controller Plant Operations Manager	Wayne Robinson	8757
Shift Supervisor Sr. Reactor Operator	Mary Ann Chaubard	8758
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	Manage Aver Chamband (CCD)	8758
EOF Monitor	Mary Ann Chaubard (CCR) Stan Wisla	8488
Dose Assessment	Stan wisia	681-6327 (AEOF)
Rad. Communicators		JUL-UJZI (ABUL
Survey Teams Communicators	Alain Grosjean	8485 (EOF)
Acct. Officers/Clerks	niain orosjean	681-6327 (AEOF
TSC Controller	Jerry Gullick	8713
TSC Manager		
TSC Mechanical	Marros Comeir	8725
TSC Electrical	Tony Cerwin	0/23
TSC Reactor TSC Communications Room	Maggie McGough	8027
TSC Accountability	naggie neovugn	
OSC Controller	Bob Cullen	8709
OSC Manager		0-00
OSC H.P. Team Leader	' Rich Ruzicka	8799
OSC Chemistry Team Leader		
OSC I&C Team Leader	•	
OSC Maintenance Team Leader		
OSC Security Team Leader		
OSC Security Team Leader OSC Accountability Officer	Maggie McGough	8721
OSC Clerk	naggie neodugn	3,22
Watch H.P.	Mike Byrnes	8440 (Pag 8460 (Pag

DATE: 07/21/93

EXERCISE ASSIGNMENT SHEET

JOB FUNCTION	OBSERVER	DRILL EXTENSION
Fire Brigade	Roger Lauricella	(Page)
Lead Accountability Officer Accountability Areas:	Mike Kyer	8051
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

NAME:	LOCATION/FUNCTION:	 •
NAME:	200/11/2019	

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

NAME:	LOCATION/FUNCTION:	•
47111F		

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

NAME:	 LOCATION/FUNCTION:	<u>'</u>
NAME:		

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

	· coatton (FUNCTION)	,	
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 into.		
	to State and Countres utilizing		
	Parts I and II. Communicate with		
	field teams utilizing radio or phones. Communicate between ERF's		
	utilizing 5 Party Phone System		
	UTT TIZING S 7 ST.77 7 THE ST.		
			<u> </u>



NAME:	LOCATION/FUNCTION:	<u> </u>
NAME:		

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



		•	
NAME:	LOCATION/FUNCTION:		

OBJECTIVE	ANTICIPATED ACTION	ACTUAL ACTION	STRENGTHS/WEAKNESSES
6-0	Make "PARs" to State and Counties as appropriate to the emergency classification.		
Protective	Counties as appropriate to the		
Action	emergency classification.		
Recommendation			
		·	



	· · · · · · · · · · · · · · · · · · ·	
NAME:	LOCATION/FUNCTION:	

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

		•	•
NAME:	LOCATION/FUNCTION:		/

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

NAME:	LOCATION/FUNCTION:	

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NAME:	LOCATION/FUNCTION:	/
MANIE .		

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



	LOCATION/FUNCTION:	 <i>'</i>
NAME:	LOCATION FONCTION:	

OBJECTIVE	ANTICIPATED ACTION	ACTUAL ACTION	STRENGTHS/WEAKNESSES
11.0	The need for relocation will be		
	recognized based on anticipated		
to AEOF	or actual scenario rad levels		
	if departure occurs after the		
	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		
	command and control from CCR.		
	Command and Confrontier		

	LOCATION/FUNCTION:	/
NAME:	ECCATION FOR TON	

OBJECTIVE	ANTICIPATED ACTION	ACTUAL ACTION	STRENGTHS/WEAKNESSES
	Field teams will locate and		
Teld	assess the radioactive plume		
- ا ممسل م	through measurement and		
	equipment and procedures will be utilized.		
	equipment and procedures		
	will be utilized.		

		,
NAME:	LOCATION/FUNCTION:	

BJECTIVE	ANTICIPATED ACTION	ACTUAL ACTION	STRENGTHS/WEAKNESSES
	Dose Assessment Personnel will		
3.0	use effluent monitors and field		
a Lude	data to determine the source		
1 Impact	term and offsite doses resulting		
Release	from the release. MIDAS and		
rise	the 1BM dose assessment		
Assessment)	amaram will be utilized to		
	make assessments. Recommendations		
	for protective actions will be		
	made to the ED		

	LOCATION /FUNCTION.	/
NAME:	LOCATION/FUNCTION:	

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

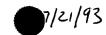
	•	LOCATION (FUNCTION)	/
NAME:		LOCATION/FUNCTION:	*

			TO THE THE MICHAELE
OBJECTIVE	ANTICIPATED ACTION	ACTUAL ACTION	STRENGTHS/WEAKNESSES
15.0	Account for all personnel		·
Assembly	in the Protected Area		
And	within 30 mins of the		
Accountabilit	SAE deduration.		
1.	The Security Force will		
	demonstrate control of		
	access to the site.		
,		·	

was objective met? Yes No

	·		
NAME:		LOCATION/FUNCTION:	<u></u>

	ANTICYDATED ACTION	ACTUAL ACTION	STRENGTHS/WEAKNESSES
OBJECTIVE	ANTICIPATED ACTION	NOTONE NOTION	
16.0	The Emergeray Response		
Emergeray	Facilities (CCR, TSC, OSC, EDF,		
Facilities	AEOF TWO will be activated		
and	and staffed. The availability		
Equipment			
0	Supplies, displays, and informa-		
	tion in the ERFs will be		
	demonstrated, eg. SPDS, MIONS		
	HP instrumostation, status		
	boards, forms, etc.		
	1000 vas, 100 ms, 276.		
	·		



		•
NAME:	LOCATION/FUNCTION:	 <i>'</i>

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

7	19	·3
	/)

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
TIFIC		
·		
	·	·



CATEGORIZE WEAKNESSES

IAME:	LOCATION/FUNCTION:	/
IMIL.		

(1	REPORTABLE OCFR50, 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 <u>ALERT</u> 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 <u>SITE AREA EMERGENCY</u> 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

DATE: July 21, 1993

TIME:

0730_

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 1

ANTICIPATED RESULTS E-PLAN SUMMARY OF ISSUED CLASS: AND COMMENTS: MESSAGE: TO: None Plant status per plant status None CCR and All log #1. Controllers 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)

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

	0730	0745	0800) 	0845	0900	11	0920 . >
	Initial Conditions	R-15 alarms	CCR Supe panel ala Alert to b	rms lost, Dis e declared alarm roc	re Control splay Panel as for EDG #33 om, Chemist irms 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	11	115 	1130-1200
	SGTR ~1200 RHR pump #32	gpm, Pails	SI pump #33 fails	R62-B alarms GE to be declare	RCS cooling ed restored		ty Valve #45-2 f not repaired	Drill Terminated

<u>DATE</u>: July 21, 1993 <u>TIME</u>: <u>0730</u>

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)

07/21/93 0730

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

	PARAMETER	VA	LUE
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-402	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	
110483	DRESSURTZER LEVEL 1/2/3 AVG	44.9	PCT
Trπ_12Ω	CHARGING PUMP DISCHARGE FLOW	47.9	
T.T-417D	STEAM GENERATOR #31 W.R. LEVEL	52.5	
T.T-427D	STEAM GENERATOR #32 W.R. LEVEL	52.5	
LT-437D	STEAM GENERATOR #33 W.R. LEVEL	52.5	
LT-447D		52.5	
U0414	STM GEN A STM P 1/2/3 AVG	733.8	
U0434	STM GEN B STM P 1/2/3 AVG	733.8	
U0454	STM GEN C STM P 1/2/3 AVG	733.8	
U0474	STM GEN D STM P 1/2/3 AVG	733.8	
U1000	CONTAINMENT P 1/2/3 AVG	0.2	
FT1200	AUX FD FLOW TO SG #31	0.0	
FT1201	AUX FD FLOW TO SG #32	0.0	
FT1202	AUX FD FLOW TO SG #33	0.0	
FT1203	AUX FD FLOW TO SG #34	0.0	
LT1128	CONDENSATE STORAGE TANK LEVEL	28.2	
LT1128A	CONDENSATE STORAGE TANK LEVEL	28.3	
TC-1416	CONTAINMENT AVG TEMPERATURE	82.9	
LT-1255	CONTAINMENT SUMP LEVEL	40.9	
LT-1256	CONTAINMENT SUMP LEVEL	40.9	i i
LT-1251	RECIRCULATION SUMP LEVEL	34.	
LT-1252	RECIRCULATION SUMP LEVEL	34.	
LT-920	RWST LEVEL	36.	
LT-931	CHEMICAL SPRAY ADDITIVE TANK LVL	83.	
HC-MCA	CONTAINMENT H2 CONCENTRATION	0.	
HC-MCB	CONTAINMENT H2 CONCENTRATION	0.	
LR002A	RVLIS DYNAMIC HEAD RANGE	100.	
LR002B	RVLIS DYNAMIC HEAD RANGE	100.	
LR001A	RVLIS FULL RANGE	U 0.	
LR001B	RVLIS FULL RANGE	υ o.	
N-35	INTERMEDIATE RANGE DETECTOR	2.0E-	
N-36	INTERMEDIATE RANGE DETECTOR	2.0E-	
KISUR	INTERMEDIATE RANGE START-UP RATE	0.	
N-31	SOURCE RANGE DETECTOR	0.	
N-32	SOURCE RANGE DETECTOR	0.	
KSSUR	SOURCE RANGE START-UP RATE	0.	
U1169	PWR RNG NUCL CHANNEL RMP AVG Q	100.	0 PCT

EP FORM 31b

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

	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 X - OUT OF ALARM CHECKING

U - UNAVAILABLE OR OUT-OF-RANGE S - OUT OF SCAN

E - ENTERED VALUE

IP-3 EQUIPMENT STATUS LOG

#1

DATE: 07/21/93 TIME: 0730

	BUS			STAT	US			BUS		_	STAT	
		0			REMARKS	PARAMETER		#	0		os	REMARKS
PARAMETER	#	X	3	03	RIMMEGE	RHR Heat Exchangers	#31			X		
Reactor Coolant	#31 1	\hat{x}	 			1	#32			X		
Pumps .	#32 4	X		 		Component Cooling	#31		X			
•	#33 3	Ŷ	-	 		Heat Exchangers	#32		X			
	#34 2		X	\vdash		Hydrogen Recombiner	#31	2A		X		
Emergency D/Gs	#31 2A		X				#32	6A		X		
Latergens,	#32 6A		X	-		Fan Cooler Units	#31	5A		X		
	#33 5A	X	1	 		1	#32	2A	X			
Offsite Power	138V	Α-	X		 	•	#33	5A	X			
Available	13.8KV		X	┼	 	†	#34	3A	X			
Gas Turbines	GT-1		₩	┼		-	#35	6A	X_			
(Con Edison)	GT-2	├	文	┼─		Aux. Boiler Feed	#31	3A		X		
	GT-3	├	╈	-	+	Pumps	#32			X		
SIS Pumps	#31 5A	├	+	┼] rumps	#33	6A		X		
	#32 2A		X	+	+	Containment Spray	#31	5A		X		
	#33 6A		17	} —	 	Pumps	#32	6A		X		
High Head SIS	#31 (GPM)			<u> </u>		Charging Pumps	#31	5A	X	I		
Flow	#32 (GPM)		<i>Q</i>		+	onarging runps	#32	3A		X		
•	#33(GPM)				 	1	#33	6A		X		
	#34 (GPM)	4	$\tau \mathcal{S}$	" —		Component Cooling	#31	5A	X			
RHR Pumps	#31 3A	┼─	忟	+		Pumps	#32	2A		X		
	#32 6A	┼	+0	+	+		#33	6A	X			
Recirc. Pumps	#31 5A	┼	忟	┨──	- 	Aux. Component	#31	5A		X	I	
	#32 6A	╂—	حد	لا		Cooling Pumps	#32	6A		X		
Low Head SIS	#31(GPM			<u>2</u>		- cooring ramps	#33	5A		X		
Flow	#32(GPM			2		┪	#34			X		
	#33(GPM			2		Appendix 'R' D/G				IX		
	#34 (GPM	4-		<u>/</u>		Appendix K D/ 5						
Accum. Level	#31 (%)	┼	35			+			1			
neca.	#32 (%)	-	33			+				T^-		
	#33 (%)	-	34	/		 			T^{-}	1	1	T
	#34 (%)		31	•								

	BUS	Γ			STATUS	
PARAMETER	#	0	S	los	ESSENTIAL	NON-ESSENTIAL
Service Water	#31 5A		X		X	
Pumps	#32 2A	<u> </u>	X	1	X	
rumps	#33 6A	X			X	
	#34 5A		X			<u>×</u>
	#35 3A	X				X
	#36 6A	IX		<u>.</u>		<u> </u>

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

DATE: July 21, 1993

TIME: 0745

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 2

ISSUED	DOMINATION OF	ANTICIPATED RESULTS AND COMMENTS:	E-PLAN CLASS:
TO:	MESSAGE:	AND COMMENTS:	0221001
CCR and All	Plant status per plant status	CCR operators	None
Controllers	log #2.	refer to:	
Colletere		ARP-40	
	R-15 SJAE Exhaust alarm.	ONOP-RM-2	
	N 13 boile limited and	ONOP-SG-1	•
	R-15 is stabilized.	and follow	
	N 13 15 BOOM 1111	actions in	
	R-19 is slowly increasing	accordance with	
	and will stabilize at	the above	
	0830.	procedures.	
	0830.	F = -	
		Chemistry	
•		calculation of	
		leak rate from	
		R-15.	

NOTE:

Controller confirms all automatic actions associated with R-15

occur.

NOTE:

Controller will not allow operators to commence a plant shutdown.

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

0730	0745	0800		0845	0900	0915 I	0920
Initial Conditions	R-15 alarms	CCR Super panel alar Alert to be	ems lost, Di declared alai	ire Control isplay Panel rms for EDG #33 boom, Chemist firms 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	11	15 I	1130-1200 >
SGTR -1200 RHR pump #32	gpm, fails	SI pump #33 fails	R62-B alarms GE to be decla		MSL Safet closes if	y Valve #45-2 not repaired	Drill Terminated

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.

07/21/93 0745

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

	PARAMETER	VALUE	
	THE THE THE THE THE	599.6	DEG F
U1170	INCORE T/C TIME AVG VALUE INST VALUE OF HOTTEST INCORE T/C		DEG F
U0090		566.5	DEG F
U0484	RCL AVG TAVG RCL HOT AVG T	595.3	DEG F
U0486	RCL HOT AVG T RCS PRESSURE - LOOP 1 RCS PRESSURE - LOOP 4 LOWEST RCS TEMP SAT MARGIN	2235.4	PSIG
PT-402	RCS PRESSURE - LOOP 1	2235.4	PSIG
PT-403	TOWER DOC MEMD CAM MADGIN	57.2	DEG F
KHTMARCS		57.2	DEG F
TMARCETA	RCP #31 STATUS	ON	
S498AD 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
T.M-417D	STEAM GENERATOR #31 W.R. LEVEL	52.5	PCT
1.T-427D	STEAM GENERATOR #32 W.R. LEVEL		PCT
1.T-427D	STEAM GENERATOR #33 W.R. LEVEL	52.5	PCT
LT-447D		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	· · · · · · · · · · · · · · · · · · ·	733.8	PSIG
U1000		0.2	PSIG
FT1200	' ' <u>.</u>	0.0	GPM
FT1201	AUX FD FLOW TO SG #32	0.0	GPM
FT1202	AUX FD FLOW TO SG #33	0.0	GPM
FT1203		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 PCT
U1169	PWR RNG NUCL CHANNEL RMP AVG Q	100.0	FCI

07/21/93

0745

EP FORM 31b

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

VALUE PARAMETER CONTROL ROOM RAD AREA 2 RADIATION CHARGING PUMP ROOM R01 0.000E+00 MR/HR 7.000E-01 MR/HR RO2 1.000E-01 MR/HR RO4 CHARGING PUMP ROOM
FUEL STORAGE BUILDING RAD 2.000E-01 MR/HR R05 ROS
RO6
SAMPLE ROOM RAD
RO7
IN CORE INS ROOM RAD
RO8
DRUMMING STATION RAD
R10
STEAM LINE PENETRATIONS RAD
R11
CNMT AIR PARTICLE RADIATION
R12
CONTAINMENT GAS RADIATION
R13
PLANT VENT AIR PARTICLE RAD
AUX BUILDING EXHAUST RAD 6.000E-01 MR/HR R19
R23
CCW SERVICE WATER EFFLUENT
R25
CONTAINMENT HIGH RAD MONITOR 1
R26
CONTAINMENT HIGH RAD MONITOR 2
R27
PLANT VENT RADIATION
R59
RAMS BUILDING NOBLE GAS MONITOR
R500E-04
UCI/CC
R600E-04
UCI/CC

X - OUT OF ALARM CHECKING

E - ENTERED VALUE

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.	request I&C to investigate and	Alert should be declared within 15 min.
•		emergency as a SAE due to a transient (SGT leak) and the loss of supervisory alarms.	

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.

	0730	0745	080)	0845	0900	0915	0920
	Initial Conditions	R-15 alarms	CCR Supe panel ala Alert to b	rms lost, Disp e declared alarms room	e Control blay Panel s for EDG #33 n, Chemist rms 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	1	115	1130-1200
	SGTR ~1200 RHR pump #32	gpm, fails	SI pump #33 fails	R62-B alarms GE to be declare	RCS cooling d restored		ty Valve #45-2 f not repaired	Drill Terminated

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.

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	
PT-403	RCS PRESSURE - LOOP 4	2235.4	
KHTMARCS	LOWEST RCS TEMP SAT MARGIN	57.2	
TMARCETA	CET TEMP SAT MAR	57.2	DEG F
S498AD	RCP #31 STATUS	ON	
S498BD	RCP #32 STATUS	ON	
S498CD	RCP #33 STATUS	ON ON	
S498DD	RCP #34 STATUS	44.5	PCT
U0483	PRESSURIZER LEVEL 1/2/3 AVG	44.5 47.9	GPM
FT-128	CHARGING PUMP DISCHARGE FLOW	52.5	PCT
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		PCT
LT-447D		733.8	PSIG
U0414	STM GEN A STM P 1/2/3 AVG	733.7	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	0.2	PSIG
U1000	CONTAINMENT P 1/2/3 AVG AUX FD FLOW TO SG #31	0.0	GPM
FT1200	AUX FD FLOW TO SG #31 AUX FD FLOW TO SG #32	0.0	GPM
FT1201	AUX FD FLOW TO SG #32 AUX FD FLOW TO SG #33	0.0	GPM
FT1202		0.0	GPM
FT1203	AUX FD FLOW TO SG #34 CONDENSATE STORAGE TANK LEVEL	28.1	FT
LT1128 LT1128A	CONDENSATE STORAGE TANK LEVEL	28.1	FT
TC-1416	CONTAINMENT AVG TEMPERATURE	82.9	
LT-1255	CONTAINMENT SUMP LEVEL	40.9	
LT-1255 LT-1256	CONTAINMENT SUMP LEVEL	40.9	FT
LT-1250	RECIRCULATION SUMP LEVEL	34.3	FT
LT-1251	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



EP FORM 31b

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

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

IP-3 EQUIPMENT STATUS LOG

#3

DATE: 07/21/93 TIME: 0800

	BUS		STATUS		US		BUS		STATUS			
D. D. WETER	#	0			REMARKS	PARAMETER		#	0		os	REMARKS
PARAMETER		X	_			RHR Heat Exchangers	#31			X		
Reactor Coolant	#32 4	X					#32			X		
Pumps .	#33 3	X				Component Cooling	#31		X_			
•	#34 2	X		1		Heat Exchangers	#32		X			
D/Ca			X			Hydrogen Recombiner	#31	2A		X		
Emergency D/Gs	#32 6A		X				#32	6A		X		
•	#33 5A		X			Fan Cooler Units	#31	5A		X		
OCC 'the Bernett	138V	X		1			#32	2A	X			
Offsite Power	13.8KV	_	X			1	#33	5A	X			
Available	GT-1		X	1			#34	3A	X			
Gas Turbines	GT-2		X				#35	6A	X	<u> </u>	L	
(Con Edison)	GT-3		ĺχ			Aux. Boiler Feed	#31	3A		X		
OZC Duras	#31 5A		X			Pumps	#32			X		<u> </u>
SIS Pumps	#32 2A		X				#33	6A		X	ļ	
•	#33 6A		X	1		Containment Spray	#31	5A		X		<u> </u>
High Head SIS	#31(GPM)	1	0	7		Pumps	#32	6A	L	X	<u> </u>	
Flow		32 (GPM)			Charging Pumps	#31	5A_	LX.	<u> </u>	<u> </u>		
LIOM	#33(GPM) Ø			5			#32	3A	 	X		<u> </u>
	#34(GPM)	7 7					#33	6 <u>A</u>	ļ	X	ļ	<u> </u>
RHR Pumps	#31 3A		ΙX			Component Cooling	#31	5 A	X		<u> </u>	
Kirk Tumps	#32 6A	1	IX			Pumps	#32	2A	<u> </u>	X	 	
Recirc. Pumps	#31 5A		Ix				#33	6A	X	-	<u> </u>	
Recirc. 144	#32 6A		ĪΧ			Aux. Component	#31	5A_	<u> </u>	X		
Low Head SIS	#31(GPM)		Q	3		Cooling Pumps	#32	6A		X.		
Flow	#32(GPM)		0				#33	5A		X		<u> </u>
11100	#33(GPM))	6	3	<u> </u>		#34	6A		X		
	#34(GPM)	_	0			Appendix 'R' D/G				X		
Accum. Level	#31 (%)		35	·						├-		
1100000	#32 (%)		33					· · · · · ·		-	-	
•	#33 (%)		34								 	
	#34 (%)		34	′		1			<u> </u>	<u> </u>	<u> </u>	<u></u>

	BUS	STATUS							
PARAMETER	#	0	S	os	ESSENTIAL	NON-ESSENTIAL			
Service Water	#31 5A	<u> </u>	X		X				
Pumps	#32 2A		X	<u> </u>	X				
· Carpo	#33 6A	X		<u> </u>	X				
	#34 5A		X	<u> </u>		X			
•	#35 3A	X		<u> </u>		X			
	#36 6A	X	<u> </u>			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

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.	Alert (SAE may be declared)
		If SAE declared, accountability in progress.	·

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

	730	0745	0800)	0845	0900	0915	0 9 20
In	·I nitial nditions	R-15 alarms	CCR Supe panel ala Alert to b	rms lost, Dis e declared alarm	re Control splay Panel as for EDG #33 om, Chemist irms 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	1'	115	1130-1200
SC RHF	I GTR ~1200 R pump #32	gpm, fails	SI pump #33 fails	R62-B alarms GE to be declare	RCS cooling ed restored		ty Valve #45-2 f not repaired	Drill Terminated

DATE: July 21, 1993

TIME: 0815

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 4

Plant status per plant status log #4.

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

07/21/93 0815

	PARAMETER	VALUE			
	THE THE THE THE THE TAX WATTE		599.6	DEG F	
U1170	INCORE T/C TIME AVG VALUE INST VALUE OF HOTTEST INCORE T/C RCL AVG TAVG		622.8	DEG F	
U0090	INST VALUE OF HOTTEST INCORE 1/C		566.6	DEG F	
U0484	RCL AVG TAVG		595.3	DEG F	
U0486	RCL HOT AVG T		2235.4	PSIG	
PT-402	RCS PRESSURE - LOOP 1	•	2235.4	PSIG	
PT-403	RCS PRESSURE - LOOP 4		57.3	DEG F	
KHTMARCS	LOWEST RCS TEMP SAT MARGIN		57.3 57.3	DEG F	
TMARCETA			ON	DEG F	
S498AD	RCF #31 DIMIGE		ON		
S498BD	RCP #32 STATUS		ON		
S498CD	RCP #33 STATUS		ON		
S498DD	RCP #34 STATUS		44.3	PCT	
U0483	PRESSURIZER LEVEL 1/2/3 AVG		47.9	GPM	
FT-128	CHARGING PUMP DISCHARGE FLOW		52.5	PCT	
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		723 6	PSIG	
U0414	STM GEN A STM P 1/2/3 AVG		733.6 733.6	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		0.2	PSIG	
U1000	CONTAINMENT P 1/2/3 AVG		0.0	GPM	
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 AUX FD FLOW TO SG #34		0.0	GPM	
FT1203			28.1	FT	
LT1128			28.1	FT	
LT1128A			82.9	DEG F	
TC-1416			40.9	FT	
LT-1255			40.9	FT	
LT-1256	RECIRCULATION SUMP LEVEL		34.3	FT	
			34.3	FT	
LT-1252			36.1	FT	
LT-920	CHEMICAL SPRAY ADDITIVE TANK LVL		83.4	PCT	
LT-931	CONTAINMENT H2 CONCENTRATION		0.0	PCT	
HC-MCA	CONTAINMENT H2 CONCENTRATION		0.0	PCT	
HC-MCB	RVLIS DYNAMIC HEAD RANGE		100.0	PCT	
LR002A LR002B	RVLIS DINAMIC HEAD RANGE		100.0	PCT	
LR002B	RVLIS FULL RANGE	U		PCT	
LR001B	RVLIS FULL RANGE	Ü		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-31 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	
OTIOS	THE THE REST STREET, THE THE K		= = = =		

EP FORM 31b

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

07/21/93 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

X - OUT OF ALARM CHECKING A - IN ALARM

U - UNAVAILABLE OR OUT-OF-RANGE S - OUT OF SCAN

E - ENTERED VALUE

DATE: July 21, 1993

TIME: 0830

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 5

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

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

	0730	0745	0800		08	45 !	. 0900	0915	0920
	Initial Conditions	R-15 alarms	CCR Super panel alar Alert to be	ms lost,	Displa alarms i room,	Control ay Panel for EDG #33 Chemist s 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	100	0	1045	11	15	1130-1200
	SGTR ~1200 RHR pump #32	gpm, fails	SI pump #33 fails	R62-Bal GE to be d		RCS cooling restored		y Valve #45-2 not repaired	Drill Terminated

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.

#5

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

07/21/93 0830

	PARAMETER	VALUE	
U1170	INCORE T/C TIME AVG VALUE INST VALUE OF HOTTEST INCORE T/C	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		57.3 .	DEG F
TMARCETA		57.3	DEG F
S498AD	RCP #31 STATUS	ON	
S498BD	RCP #32 STATUS	ON	
S498CD	RCP #33 STATUS	ON	
S498DD	RCP #34 STATUS	ON	
110492	DDESSIRTZER LEVEL 1/2/3 AVG	44.3	PCT
E-T-12Ω	CHARGING PUMP DISCHARGE FLOW	47.9	GPM
T.T-417D	STEAM GENERATOR #31 W.R. LEVEL	52.5	PCT
LT-427D	STEAM GENERATOR #32 W.R. LEVEL	52.5	PCT
LT-437D		52.5	PCT
LT-447D			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	STM GEN C STM P 1/2/3 AVG STM GEN D STM P 1/2/3 AVG CONTAINMENT P 1/2/3 AVG 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
FT1202	AUX FD FLOW TO SG #34	0.0	GPM
LT1128	CONDENSATE STORAGE TANK LEVEL	28.1	FT
LT1128A	CONDENSATE STORAGE TANK LEVEL		FT
TC-1416	CONTAINMENT AVG TEMPERATURE	82.9	DEG F
LT-1255	CONTAINMENT SUMP LEVEL	40.9	\mathbf{FT}
LT-1256	·	40.9	FT
LT-1251		34.3	FT
LT-1252	RECIRCULATION SUMP LEVEL	34.3	FT
LT-920		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
01107	0 1101 \$101 W 01 W W W W 11 11 11 11 11 11 11 11 11 11		

EP FORM 31b

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

	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
31. •				

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

E - ENTERED VALUE

IP-3 EQUIPMENT STATUS LOG

#5

DATE: 07/21/93 TIME: 0830

	BUS	Γ	STATUS					BUS	STATUS			
DADAMETED	#	0	S	los	REMARKS	PARAMETER		#	0		os	REMARKS
PARAMETER Reactor Coolant		X	T	1		RHR Heat Exchangers	#31			X		
	#32 4	X					#32			X		
Pumps	#33 3	X				Component Cooling	#31		X			
•	#34 2	X				Heat Exchangers	#32		X			
S D/Cc	#31 2A		X			Hydrogen Recombiner	#31	2A		X		
Emergency D/Gs	#32 6A		X				#32	6A		X		
•	#33 5A		X			Fan Cooler Units	#31	5 A		X		
OCC In Description	138V	X		1			#32	2A	X			
Offsite Power	13.8KV	1	X			1	#33	5A	X			
Available	GT-1	 	X		1	1	#34	3A	X			
Gas Turbines	GT-2	 	X		<u> </u>		#35	6A	X			
(Con Edison)	GT-3	 	Ŷ	 		Aux. Boiler Feed	#31	3A		X		
	#31 5A	-	X	 	†	Pumps	#32			X		
SIS Pumps	#31 JA #32 2A	-	X	\dagger		1	#33	6A		X		
	#32 ZA #33 6A	╌	文	1		Containment Spray	#31	5A		X		
	#33 6A #31(GPM)	 	$\frac{1}{Q}$	}		Pumps	#32	6A		X		
High Head SIS	#31(GPM) #32(GPM)		7		Charging Pumps	#31	5A	X				
Flow		3(GPM) Ø			0	#32	3A		X			
	#34(GPM)			†	1	#33	6A		X			
		+	ΙΧ̈́	Ť		Component Cooling	#31	5A	X			
RHR Pumps	#31 3A #32 6A	├─	父	 		Pumps	#32	2A		X		
	#32 6A #31 5A	┼	X	+	+	1	#33	6A	X			
Recirc. Pumps	#31 3A #32 6A	╁╾	忟	 		Aux. Component	#31	5A		X		
	#32 BA #31(GPM)	1	<u> </u>	}	1	Cooling Pumps	#32	6A		X		
Low Head SIS	#31(GPM)				1	1 000116 1	#33	5A		X.		
Flow	#32(GPM)		- P	7	 	1	#34	6A		X		
			<u>y</u>		 	Appendix 'R' D/G				X		
	#34 (GPM)	4—	35		 	Appelloza ii 5/6						
Accum. Level	#31 (%)	+-	33		 							
	#32 (%)	+-	37		+							
	#33 (%)	+	34	,	+	 						
i e	#34 (%)	1	v_I		l	<u> </u>						

	BUS				STATUS	
PARAMETER	#	0	S	los	ESSENTIAL	NON-ESSENTIAL
Service Water	#31 5A		X		X	
Pumps	#32 2A		X		X	
	#33 6A	X			X	
	#34 5A		X		<u> </u>	X
	#35 3A	X				X
	#36 6A	X		<u> </u>		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

DATE: July 21, 1993

TIME:

0845

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 6

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

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

0730	0745	080)	0845	0900	0915	0920
Initial Conditions	R-15 alarms	CCR Supe panel ala Alert to b	rms lost, Dis e declared alarm roo	e Control play Panel s for EDG #33 m, Chemist rms 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 RHR pump #3		SI pump #33 fails	R62-B alarms GE to be declare	RCS cooling d restored		ty Valve #45-2 f not repaired	Drill Terminated

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.

07/21/93 0845

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

	PARAMETER	VALUE		
****	INCORE T/C TIME AVG VALUE		599.6	DEG F
U1170	INST VALUE OF HOTTEST INCORE T/C		622.8	DEG F
U0090	RCL AVG TAVG		566.6	DEG F
U0484	RCL HOT AVG T		595.3	DEG F
U0486	RCS PRESSURE - LOOP 1		2235.4	
PT-402	RCS PRESSURE - LOOP 4		2235.4	
PT-403 KHTMARCS	LOWEST RCS TEMP SAT MARGIN		57.3	
TMARCETA			57.3	
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	· - ·		47.9	GPM
T.T-417D	STEAM GENERATOR #31 W.R. LEVEL		52.5	PCT
T.T-427D	STEAM GENERATOR #32 W.R. LEVEL		52.5	
LT-437D			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	
U0434	STM GEN B STM P 1/2/3 AVG		733.6	
U0454	STM GEN C STM P 1/2/3 AVG		733.6	
U0474	STM GEN D STM P 1/2/3 AVG		733.6	
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	AUX FD FLOW TO SG #34 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	
LT-1251	RECIRCULATION SUMP LEVEL		34.3	
LT-1252	RECIRCULATION SUMP LEVEL		34.3	
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		PCT
LR001B	RVLIS FULL RANGE	U	0.0	PCT
N-35	INTERMEDIATE RANGE DETECTOR		2.0E-04	AMPS AMPS
N-36	INTERMEDIATE RANGE DETECTOR		2.0E-04	
KISUR	INTERMEDIATE RANGE START-UP RATE		0.0	DECPM
N-31	SOURCE RANGE DETECTOR		0.0	CPS CPS
N-32	SOURCE RANGE DETECTOR		0.0	DECPM
KSSUR	SOURCE RANGE START-UP RATE		0.0	PCT
U1169	PWR RNG NUCL CHANNEL RMP AVG Q	•	100.0	FCI

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 X - OUT OF ALARM CHECKING

U - UNAVAILABLE OR OUT-OF-RANGE S - OUT OF SCAN

E - ENTERED VALUE

DATE: July 21, 1993

<u>TIME: 0900</u>

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.	s CCR operators are evaluating T.S.	SAE should be declared
	Fire Brigade reports that the fire damaged the air compressor and fuel day tank		within 15 min.
	for EDG #33.		

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

	0730	0745	0800)	08	45	0900	0915	0920
	Initial R-15 Conditions alarms p Al 0930	CCR Supe panel ala Alert to b	rms lost, e 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	1	115	1130-1200
			SI pump #33 fails	R62-8 ala GE to be de		RCS cooling restored		ty Valve #45-2 f not repaired	Drill Terminated

DATE: July 21, 1993

TIME: 0900

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 7

- Plant status per plant status log #7.

#7

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

07/21/93 0900

	PARAMETER	VALUE	
U1170	INCORE T/C TIME AVG VALUE	599.6	DEG F
U0090	INST VALUE OF HOTTEST INCORE T/C		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	
	LOWEST RCS TEMP SAT MARGIN	57.3	
TMARCETA		57.3	DEG F
S498AD	RCP #31 STATUS	ON	
S498BD		ON	
S498CD		ON	
S498DD	RCP #34 STATUS	ON	D.C/III
00483	PRESSURIZER LEVEL 1/2/3 AVG CHARGING PUMP DISCHARGE FLOW	44.3	
		47.9	GPM
	STEAM GENERATOR #31 W.R. LEVEL	52.5 52.5	
	STEAM GENERATOR #32 W.R. LEVEL	52.5 52.5	
	STEAM GENERATOR #33 W.R. LEVEL		
	STEAM GENERATOR #34 W.R. LEVEL	52.5	
U0414	STM GEN A STM P 1/2/3 AVG	733.6	
U0434 U0454	STM GEN B STM P 1/2/3 AVG	733.6 733.6	
U0454 U0474	STM GEN C STM P 1/2/3 AVG	733.6	
U1000	STM GEN D STM P 1/2/3 AVG	0.2	PSIG
FT1200	CONTAINMENT P 1/2/3 AVG AUX FD FLOW TO SG #31	0.0	GPM
	AUX FD FLOW TO SG #31 AUX FD FLOW TO SG #32	0.0	GPM
FT1201	AUX FD FLOW TO SG #32 AUX FD FLOW TO SG #33	0.0	
FT1202 FT1203		0.0	
LT1128		28.1	FT
LT1128 LT1128A		28.1	FT
TC-1416	CONTAINMENT AVG TEMPERATURE	82.9	DEG F
LT-1255	CONTAINMENT AVG TEMPERATURE CONTAINMENT SUMP LEVEL	40.9	FT
LT-1255 LT-1256	CONTAINMENT SUMP LEVEL	40.9	FT
LT-1250 LT-1251		34.3	
LT-1251	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
02107	raid floor diminish rail file &	200.0	

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	Α	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 X - OUT OF ALARM CHECKING

U - UNAVAILABLE OR OUT-OF-RANGE S - OUT OF SCAN

E - ENTERED VALUE

IP-3 EQUIPMENT STATUS LOG

	BUS			TAT	US			BUS			TAT	
	#	0		OS	REMARKS	PARAMETER		#	0	S.	os	REMARKS
PARAMETER		Χ̈́	<u> </u>	00		RHR Heat Exchangers	#31			X		
Reactor Coolant		$\hat{\mathbf{x}}$					#32			X		
Pumps		$\hat{\mathbf{x}}$				Component Cooling	#31		_X_			
		Ϋ́				Heat Exchangers	#32		X			
- 2/0-	#31 2A	^	X			Hydrogen Recombiner	#31	2A		X		
Emergency D/Gs	#32 6A		X				#32	6A		X		
	#32 0A #33 5A		_/_	X		Fan Cooler Units	#31	5A_		X		
		X				Ì	#32	2A	X			
Offsite Power	13.8KV	Δ_	X			1	#33	5A	X			
Available	GT-1		X			1	#34	3A	X			<u> </u>
Gas Turbines	GT-2		X				#35	6A_	X			
(Con Edison)	GT-3		ĺΫ			Aux. Boiler Feed	#31	3A		X		
	#31 5A		文			Pumps	#32			X.		
SIS Pumps	#31 JA #32 2A		X			1	#33	6A		X.		
	#32 ZA		1 X			Containment Spray	#31	5A	L	X	<u> </u>	<u> </u>
High Head SIS	#31 (GPM)		0	-		Pumps	#32	6A		X		<u> </u>
High Head SIS Flow	#32(GPM)		-0	7		Charging Pumps	#31	5A	X	L.		<u> </u>
Flow	#33(GPM)		0	1			#32	3A		X	<u> </u>	
	#34 (GPM)		0	7			#33	6A		X	<u> </u>	<u> </u>
DUD Burne	#31 3A		ĪΧ			Component Cooling	#31	<u>5</u> A	X	ļ	<u> </u>	
RHR Pumps	#32 6A		文			Pumps	#32	2A		X	 	
D in Pumpe	#31 5A		X		1		#33	6A	X	-	 	ļ
Recirc. Pumps	#32 6A		文	1		Aux. Component	#31	<u>5A</u>	<u> </u>	X	 	
Low Head SIS	#31 (GPM)		Q	_		Cooling Pumps	#32	6A	<u> </u>	X		ļ
	#32 (GPM)						#33	5A	<u> </u>	X	├	
Flow	#33(GPM)		- 10	7			#34	6A	<u> </u>	X		
	#34 (GPM)		0			Appendix 'R' D/G			ļ	X		
Accum. Level	#31 (%)		33						ļ	├	 	
ACCUM. Level	#32 (%)		33						_	₩	├—	
	#33 (%)		34						 	₩		
	#34 (%)_		34			I			<u> </u>	<u></u>	Щ	<u> </u>
										,	17.3	
	BUS				STATU	S		CIs				
PARAMETER	#	0	Is	los	ESSENTI	AL NON-ESSENTIAL			B va			ich ar

	BUS	1			STATUS	
PARAMETER	#	0	S	os	ESSENTIAL	NON-ESSENTIAL
Service Water	#31 5A		X		X	
Pumps	#32 2A		X	<u> </u>	X	
1 camps	#33 6A	X			X	
	#34 5A		X			×
•	#35 3A	X		1	<u> </u>	<u> </u>
	#36 6A	1X		1		X

not in required position.)

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

S - STANDBY

O - OPERATING

OS - OUT OF SERVICE

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.	cCR operators refer to E-0 and transition to ES-0.1.	SAE
	138 KV & 13.8 KV power is lost. Reactor/turbine trip.	Accountability process continuing if not already done.	
	Control Rod K-10 and J-11 fails to insert into the core.		
	SI pump #31 is inoperable due to loss of Bus 5A.	e	
	SI pump #32 fails to start.		

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

	0,00	745	Alert to be declared alarms for EDG #33 138KV & 13.8 KV lifts, SI actuation room, Chemist power Loss of SI pumps confirms tube leak #31 & #32 0945 1000 1045 1115 1130-1200 SI pump R62-B alarms RCS cooling MSL Safety Valve #45-2 Drill			0920			
	Initial R-Conditions ala		panel ala	rms lost, e declared	Displa alarms f room,	y Panel or EDG #33 Chemist		opens, Loss of 138KV & 13.8 KV	Valve #45-2 lifts, SI actuation Loss of SI pumps
*	0930		0945	1000)	1045	11	115 -1	
	SGTR ~1200 gpm, RHR pump #32 fai		SI pump #33 fails						Drill

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.

#8

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	GP M
T.T-417D	STEAM GENERATOR #31 W.R. LEVEL	45.5	PCT
LT-427D		45.5	PCT
LT-437D		45.5	PCT
LT-447D		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	${f FT}$
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	\mathbf{FT}
LT-1251	RECIRCULATION SUMP LEVEL	34.3	FT
LT-1252	RECIRCULATION SUMP LEVEL	34.3	FT
LT-920		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

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

	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	Α	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	Α		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 X - OUT OF ALARM CHECKING

U - UNAVAILABLE OR OUT-OF-RANGE S - OUT OF SCAN

E - ENTERED VALUE

EP-FORM #31C

IP-3 EQUIPMENT STATUS LOG

DATE: 07/2/193 TIME: 09/5

#8

				TAT	77 0	i	1	งบร [TAT	
	BUS	0			REMARKS	PARAMETER		#	0	s		REMARKS
PARAMETER	#	0	-	X	KEBBUKS	RHR Heat Exchangers	#31				X	
Reactor Coolant	#31 1			X			#32		X			
Pumps -	#32 4			×		Component Cooling	#31			X		
•	#33 3			×	 	Heat Exchangers	#32			Х		
	#34 2	X	-	-	<u> </u>	Hydrogen Recombiner	#31	2A		X		
Emergency D/Gs	#31 2A	x		-			#32	6A		X		
	#32 6A	1	 	X	 	Fan Cooler Units	#31	5A_			<u>X</u> _	
	#33 5A			Î	 		#32	2A	X			
Offsite Power	138V	├	╁──	1 ×	 	1	#33	5A_			X	
Available	13.8KV			X		1	#34	3A	X			
Gas Turbines	GT-1	├	+	1 🕏	 		#35	6A_	X			
(Con Edison)	GT-2	┼	┼	ΤŶ	 	Aux. Boiler Feed	#31	3A	X			
	GT-3	├	┼╌	ΙŹ	 	Pumps	#32		X			
SIS Pumps	#31 5A	┼	┰	1	- 		#33	6A_	X		L.,	<u> </u>
	#32 2A	┼	 ♀	+		Containment Spray	#31	5A			X	ļ
1 070	#33 6A		0	, 1	1	Pumps	#32	6A		X		ļ
High Head SIS	#31(GPM)		0			Charging Pumps	#31	5A	<u> </u>	ļ.,	X	
Flow	#32(GPM)		Ø		 	1	#32	3A	L	X		
	#33(GPM			_	 		#33	6A		X		
	#34(GPM	4	ΤΧ̈́	′	 	Component Cooling	#31	<u>5A</u>		 	X	
RHR Pumps	#31 3A	+-	╅	+	- 	Pumps	#32	2A	<u> </u>	X	ļ	↓
	#32 6A	╁╌	+^	1x			#33	6A	<u> </u>	X	l	
Recirc. Pumps	#31 5A	+-	$+ \times$		1	Aux. Component	#31	5A		 	X	ļ
	#32 6A	╁╴		8		Cooling Pumps	#32	6A	└	X	 	
Low Head SIS	#31(GPM			Ø		7	#33	5A	ļ	١.,	X	
Flow	#32 (GPM			Ø			#34	6A	<u> </u>	X	<u> </u>	
	#33 (GPM			8		Appendix 'R' D/G			 	X	-	-
	#34 (GPM		3.	<u>~</u>					 	↓_	 	
Accum. Level	#31 (%)		3							↓		
1	#32 (%)		_ <u>3</u>							1	!	
}	#33 (%)		<u></u> 3						<u> </u>		<u> </u>	<u> </u>
	#34 (%)		<u> </u>	1								

	BUS	1			STATUS	STATUS				
PARAMETER	#	0	S	os_	ESSENTIAL	NON-ESSENTIAL				
Service Water	#31 5A			X	X					
	#32 2A	X		<u> </u>	X					
Pumps	#33 6A	X		L	X					
	#34 5A			X		X				
	#35 3A		X		1	X				
	#36 6A		X			<u> </u>				

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

DATE: July 21, 1993

TIME:

0920

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 8A

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

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

0730	0745 1	0800)	0845	0900	0915	0920
Initial Conditions	R-15 alarms	CCR Supe panel ala Alert to b	rms lost, Dis e declared alarm roo	e Control play Panel s for EDG #33 n, Chemist rms 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	1	115	1130-1200
SGTR ~1200 RHR pump #3		SI pump #33 fails	R62-B alarms GE to be declare	RCS cooling d restored		ty Valve #45-2 f not repaired	Drill Terminated

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.

IP-3 EQUIPMENT STATUS LOG

DATE: 07/2//93 TIME: 0920

#8A

			-	TAT	19	1		BUS			STAT	<u>us</u>
	BUS	0 1		OS	REMARKS	PARAMETER		#	0	S		REMARK
PARAMETER	#	-	<u> </u>	X	KELINIKIS	RHR Heat Exchangers	#31				X	
Reactor Coolant	#31 1			×			#32		X			
Pumps -	#32 4			×	 	Component Cooling	#31			X		
-	#33 3			X	<u> </u>	Heat Exchangers	#32			X		
	#34 2	X		_~		Hydrogen Recombiner	#31	2A		X		ļ
Emergency D/Gs	#31 2A	Ŷ			1.		#32	6A		X		
•	#32 6A	~		X	 	Fan Cooler Units	#31	5 A			X	
	#33 5A			×			#32	2A	X			
Offsite Power .	138V			X	1	1	#33	5A			Χ_	
<u>Available</u>	13.8KV			×	 	1 '	#34	3A	X			
Gas Turbines	GT-1		 	×	 		#35	6 A	X			
(Con Edison)	GT-2			Ŷ	<u> </u>	Aux. Boiler Feed	#31	3A	X	<u> </u>		
	GT-3 #31 5A			X	 	Pumps	#32		X	<u> </u>		<u> </u>
SIS Pumps			-	X	<u> </u>		#33	6A	X	<u> </u>		<u> </u>
	#32 2A	X	\vdash	1	<u> </u>	Containment Spray	#31	5A_		<u> </u>	X	<u> </u>
	#33 6A #31(GPM)		0	-	1	Pumps	#32	6A		X	<u> </u>	ļ
High Head SIS .	#31(GPM)				 	Charging Pumps	#31	5A		↓	X	<u> </u>
	#32(GPM)	M) Ø			1	#32	3A_		X		 	
	#34(GPM)					#33	6A		X	 	 	
	#34 (GFH)	X	1	T		Component Cooling	#31	5A		 	X	
RHR Pumps	#31 JA #32 6A	X	1	1		Pumps	#32	2A		X		
	#32 0A #31 5A	-	1-	X			#33	6A	 	X		
Recirc. Pumps	#31 JA #32 6A	 	TX	1		Aux. Component	#31	5A		<u> </u>	X	
	#32 GR #31(GPM)	1	Ø			Cooling Pumps	#32	6A	X	 -	1	
Low Head SIS	#31(GPM)		0]	#33	5A	\	 	X	
Flow	#32(GPM)		0				#34	6A	X	 , , 		
	#34(GPM)		Ø			Appendix 'R' D/G				X	<u> </u>	
	#34 (8)	1	3:						<u> </u>	↓	<u> </u>	
Accum. Level	#32 (%)	1	33				 			↓ —	 	
	#32 (%)	1	34	F					<u> </u>	↓	 —	
	#34 (%)	1	3	7					<u> </u>	Щ		┸——
	# 7.4 (B)											

	BUS	STATUS							
PARAMETER	#	0	S	los	ESSENTIAL	NON-ESSENTIAL			
Service Water Pumps	#31 5A			X	X				
	#32 2A	X			<u> </u>				
rumps	#33 6A	X			×				
	#34 5A			X		X			
•	#35 3A		X			X			
	#36 6A		X	<u></u>		<u> </u>			

(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

DEC

OS - OUT OF SERVICE

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.	transition to	SAE
	SG tube rupture of ~1200 gpm occurs in SG #32.	transitioning to	
	RHR pump #32 fails.	E-3 at ~0935. Operators will be transitioning to ECA-3.1 at ~0940.	

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.

0730	0745	0800	-	1845 - I	0900	0915	0920
Initial Conditions	R-15 alarms	CCR Super panel ala: Alert to b	rvisory Fire rms lost, Disp e declared alarms room	Control lay Panel for EDG #33 , Chemist ms 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	1	115	1130-1200
SGTR ~1200 RHR pump #32		\$1 pump #33 fails	R62-B alarms GE to be declared	RCS cooling restored		ty Valve #45-2 f not repaired	Drill Terminated

<u>DATE</u>: July 21, 1993 <u>TIME</u>: <u>0930</u>

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.

07/21/93 0930

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

	PARAMETER	VALUE				
U1170 U0090 U0484	INCORE T/C TIME AVG VALUE INST VALUE OF HOTTEST INCORE T/C RCL AVG TAVG	U	522.4 595.7 540.0	DEG F DEG F DEG F		
U0484	RCL HOT AVG T		520.6	DEG F		
PT-402	RCS PRESSURE - LOOP 1		908.9	PSIG		
PT-402	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			0.0	PCT		
10403 100-108	CHARGING PUMP DISCHARGE FLOW		2.1	GPM		
TT-120	STEAM GENERATOR #31 W.R. LEVEL		56.4	PCT		
1.m=427D	STEAM GENERATOR #32 W.R. LEVEL		23.0	PCT		
LT-437D			55.4	PCT		
LT-447D			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		
FT1200	AUX FD FLOW TO SG #32		0.0	GPM		
FT1201	AUX FD FLOW TO SG #33		193.1	GPM		
FT1202	AUX FD FLOW TO SG #34		174.3	GPM		
LT1128	CONDENSATE STORAGE TANK LEVEL		27.3	${f FT}$		
LT1128A	CONDENSATE STORAGE TANK LEVEL		27.3	FT		
TC-1416	CONTAINMENT AVG TEMPERATURE		73.7	DEG F		
LT-1255	CONTAINMENT SUMP LEVEL		40.9	\mathbf{FT}		
LT-1256	CONTAINMENT SUMP LEVEL		40.9	FT		
LT-1251			34.3	FT		
LT-1252	RECIRCULATION SUMP LEVEL		34.3	FT		
LT-920			36.0	\mathbf{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		
01107						

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

	PARAMETER		VALUE	
	TOTAL BOOM PAR		0.000E+00	MR/HR
R01	CONTROL ROOM RAD		7.000E-01	MR/HR
R02	AREA 2 RADIATION			MR/HR
R04	CHARGING PUMP ROOM		1.000E-01	•
R05	FUEL STORAGE BUILDING RAD		2.000E-01	MR/HR MR/HR
R06	SAMPLE ROOM RAD		6.000E-01	
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
	PIPE PEN 54 FT AREA MONITOR		4.000E+00	MR/HR
R69	FAN HOUSE 77 FT AREA MONITOR		1.000E-01	MR/HR
R70	TAN NOUSE // II AREA MONITOR			,

A - IN ALARM X - OUT OF ALARM CHECKING

U - UNAVAILABLE OR OUT-OF-RANGE S - OUT OF SCAN

E - ENTERED VALUE

EP-FORM #31C

IP-3 EQUIPMENT STATUS LOG

DATE: 07/21/93 TIME: 0930

#9

	BUS		S	TAT	JS	BUS STATUS							
	#	0 1			REMARKS	1	PARAMETE	R	#	0	S		REMARKS
PARAMETER		~ 1		X		RH	IR Heat Exchanger	s #31			<u> </u>	X	
Reactor Coolant	#32 4			X] _		#32		×	<u> </u>		
Pumps .	#33 3			X		Co	omponent Cooling	#31			X	ļ	
•	#34 2			X		He	at Exchangers	#32		<u> </u>	X	ļ	
Emergency D/Gs		X				Ну	drogen Recombine	r <u>#31</u>	2A	ļ	X	<u> </u>	
Emergency D/Gs.	#32 6A	X				1		#32	6A		X		
•	#33 5A			X		Fe	n Cooler Units	<u>#31</u>	<u>5A</u>		<u> </u>	X	
Offsite Power	138V			×]		#32	2A	X	├	-	
Available	13.8KV			X				#33	5A		├	X	
Gas Turbines	GT-1			×]		#34	3A	X.	↓		
(Con Edison)	GT-2			X				#35	<u>6A</u>	X	 —		
(Con Edison)	GT-3			X		Αι	x. Boiler Feed	#31	3A	X	┼		
SIS Pumps	#31 5A			×		_ P\	umps	#32		X	├		
#32 2A			X				#33	6A	X	 	 _		
	#33 6A	X				_ c₀	ontainment Spray	#31	<u>5A</u>	├	1	X	
High Head SIS	#31(GPM)		200	2			umps	#32	6A	 -	X	 	<u> </u>
Flow	#32(GPM)		100	2		_ C1	harging Pumps	#31	5A	 	1	X	
-	#33(GPM)		100	9		╛		#32	3A	├ ──	ΙŶ	 	
	#34(GPM)		10	0				#33	<u>6A</u>	├ ─	X	1	
RHR Pumps	#31 3A	X				Component Cooling		#31 #32	<u>5A</u>	 -	X	X	
KIIK Tumps	#32 6A		\prod_{-}	X		_ P₁	Pumps		2A	├		 	
Recirc. Pumps	#31 5A]	X				#33		 	X	X	
Recirc. 1 camps	#32 6A		TX			_	ux. Component	#31	<u>5A</u>	1.	╂	^-	╁
Low Head SIS	#31(GPM		Ø			_ c	ooling Pumps	#32		X	┼─	X	
Flow	#32(GPM		Ø			_		#33		 	↓ —	12	
LIOM	#33(GPM		Ø					#34	6A	X	٠,	┼	
	#34(GPM		Ø			Α	ppendix 'R' D/G			┼	X	┼	
Accum. Level	#31 (%)		35							 	╁—	┼	
Accum. Dove	#32 (%)		33							┼—	┼	╂	
	#33 (%)		34							↓	+	 	
	#34 (%)	\mathbf{I}_{-}	34							1	ــــــــــــــــــــــــــــــــــــــ	ــــــــــــــــــــــــــــــــــــــ	ــــــــــــــــــــــــــــــــــــــ
	BUS	T			STATU				C Is				
PARAMETER	#	0	s	os		AL	NON-ESSENTIAL						ich ar
Service Water	#31 5A			X				not	in re	equi	red	pos	ition.
Pumps	#32 2A	X			X								
1 cmha	#33 6A	X			X								
	#34 5A	7		IX			×						
} ·	#35 3A	1	1				1 × 1	1					

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

S - STANDBY

O - OPERATING

OS - OUT OF SERVICE

DATE: July 21, 1993

TIME:

0945

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 10

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

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 Supe panel ala Alert to b	rms lost, le declared al	Fire Control Display Panel arms for EDG #33 room, Chemist nfirms 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	1	115	1130-1200
SGTR ~1200 RHR pump #3		SI pump #33 fails	R62-B alarm GE to be decl	_		ty Valve #45-2 f not repaired	Drill Terminated

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.

07/21/93 0945

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

	PARAMETER	VALUE				
			540.1	DEC E		
U1170	INCORE T/C TIME AVG VALUE		512.1	DEG F DEG F		
U0090	INST VALUE OF HOTTEST INCORE T/C	••	620.2			
U0484	RCL AVG TAVG	U		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	200		
U0483	PRESSURIZER LEVEL 1/2/3 AVG		0.0	PCT		
FT-128	CHARGING PUMP DISCHARGE FLOW		65.0	GPM		
	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	Ţ		PCT		
LR002B	RVLIS DYNAMIC HEAD RANGE	τ	J 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		



INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

	PARAMETER	VALUE	
	COMMON DOOR DAD	0.000E+00	MR/HR
R01	CONTROL ROOM RAD AREA 2 RADIATION	7.000E-01	MR/HR
R02	CHARGING PUMP ROOM	1.000E-01	MR/HR
R04	FUEL STORAGE BUILDING RAD	2.000E-01	MR/HR
R05		6.000E-01	MR/HR
R06	SAMPLE ROOM RAD IN CORE INS ROOM RAD	3.000E+00	MR/HR
R07	DRUMMING STATION RAD	8.000E-01	MR/HR
R08		0.000E+00	R/HR
R10	STEAM LINE PENETRATIONS RAD	2.200E-10	UCI/CC
R11	CNMT AIR PARTICLE RADIATION	1.400E-06	UCI/CC
R12	CONTAINMENT GAS RADIATION	9.800E+02	CPM
R13	PLANT VENT AIR PARTICLE RAD	1.500E+02	CPM
R14	AUX BUILDING EXHAUST RAD	0.000E+00	UCI/CC
R15	STEAM AIR EJECT EXHAUST RAD	1.000E-07	UCI/CC
R16A	CNMT CLNG HX SVC WTR OUT 1R	1.000E-07	UCI/CC
R16B	CNMT CLNG HX SVC WTR OUT 2R	3.000E-07	CPM
R17A	CMPT CLG PUMP SUCT A HEADER RAD	4.000E+02	CPM
R17B	CMPT CLG PUMP SUCT B HEADER RAD		
R18	LIQUID WASTE DISPOSAL RADIATION	3.500E-06	
R19	STM GENER BLOWDOWN DRAIN 2 RAD A		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 X - OUT OF ALARM CHECKING U - UNAVAILABLE OR OUT-OF-RANGE S - OUT OF SCAN

E - ENTERED VALUE

EP-FORM #31C

IP-3 EQUIPMENT STATUS LOG

#10

DATE: 07/2//93 TIME: 0945

	BUS	ì		TAT	us		F	sus			TAT	US
1	# #02	0		os	REMARKS	PARAMETER		#	0	s	os X	REMARKS
PARAMETER		<u> </u>		X		RHR Heat Exchangers	#31_				<u> </u>	
Reactor Coolant	#32 4			X			#32		X			
Pumps .	#32 4	 		X		Component Cooling	#31			X		
•	#34 2			X		Heat Exchangers	#32			X		
5.70-		X				Hydrogen Recombiner	#31_	2A				
Emergency D/Gs	#31 ZA #32 6A	X					#32	6A		X	-	
	#32 0A #33 5A	1	1	X		Fan Cooler Units	#31	5A			X_	
	#33 JA 138V	+		X			#32	2A	X		X	 -
Offsite Power	13.8KV	+	†	X			#33	5A			 ^-	
<u> vailable</u>	GT-1	+-	1	X			#34	3A	X		-	
Gas Turbines	GT-2	1	1	X			#35	6A	X		 	
(Con Edison)	GT-3	1	1	Y		Aux. Boiler Feed	#31_	3 A	X	X		
	#31 5A	+-	1	X		Pumps	#32		· ·	1		
SIS Pumps _	#31 JA #32 2A	1	1	X			#33	6A_	X		X	
	#32 ZA	+	1	X		Containment Spray	#31	5A		X	1	
or t v - d ctc	#31 (GPM	1	a	3		Pumps	#32	6A		-	X	
High Head SIS	#32 (GPM	_	0	Ø		Charging Pumps	#31	5A		X	 ^	
Flow	#33(GPM						#32	3A	X	1	 	
	#34(GPM	_	Q	2			#33	6A	-	+-	X	
	#31 3A		T			Component Cooling	#31	5A	 -	X	1	
RHR Pumps	#32 6A		1	IX		Pumps	#32	2A 6A		X	1	+
D. in Dumpe	#31 5A	1		X			#33	<u> 5A</u>	-	+^	X	 -
Recirc. Pumps	#32 6A	1	TX			Aux. Component	#31	6A	×	┼─	 ^	1
Low Head SIS	#31(GPM	()	Ø	9		Cooling Pumps	#32 #33	5A	 ^	╁┈	1×	
	#32(GPM			8		_		6A	×	+-	1	1
Flow	#33(GPM			Ø			#34	OA	1	X	+	
	#34(GPM		- 4	Ø		Appendix 'R' D/G			┼	1^	1	1
Accum. Level	#31 (%)			Ø					+	+-	1	1
ACCUM. Devel	#32 (%)			0					+-	+-	1	+
	#33 (%)		- 4	8					+	+-	+	
	#34 (%)		-	9					'			

	BUS	STATUS							
PARAMETER	#	0	S	os	ESSENTIAL	NON-ESSENTIAL			
Service Water	#31 5A			X	X				
Pumps	#32 2A	X			X				
rumps	#33 6A	X	<u> </u>		X				
	#34 5A			1X	ļ	<u> </u>			
	#35 3A		X	1		X			
	#36 6A		X	1	J	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

DEC

O - OPERATING

OS - OUT OF SERVICE

DATE: July 21, 1993

TIME:

1000

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 11

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

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

0730	0745	080)	0845	0900	0915	0920
Initial Conditions	R-15 atarms	CCR Supe panel ala Alert to b	rms lost, D e declared ala r	Fire Control Display Panel Arms for EDG #33 Froom, Chemist Offirms 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	11	115 	1130-1200
SGTR ~1200 RHR pump #32		SI pump #33 fails	R62-B alarms GE to be decla			ty Valve #45-2 f not repaired	Drill Terminated

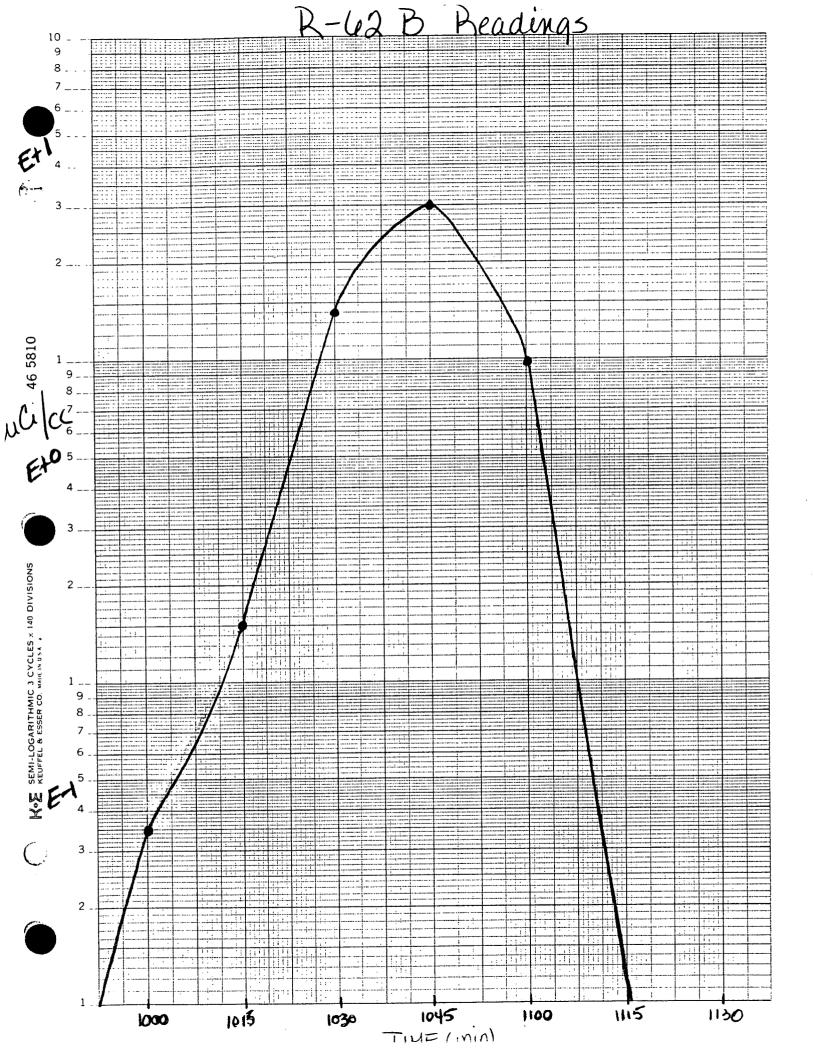
DATE: July 21, 1993 TIME: 1000

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 11

Plant status per plant status log #11.

- R-62A-D Main Steam annunciator alarms.



INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

07/21/93 1000

	PARAMETER	VALUE	
U1170	INCORE T/C TIME AVG VALUE	521.6 DEG	
U0090	INST VALUE OF HOTTEST INCORE T/C	687.6 DEG	
U0484	RCL AVG TAVG	U 540.0 DEG	
U0486	RCL HOT AVG T	524.9 DEG	
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	
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	
	STEAM GENERATOR #31 W.R. LEVEL	61.4 PCT	
LT-427D		68.9 PCT	
LT-437D		60.4 PCT	
LT-447D		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		34.3 FT	
LT-1252	RECIRCULATION SUMP LEVEL	34.3 FT	
LT-920		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 DECF	'Pi
N-31	SOURCE RANGE DETECTOR	1768.4 CPS	
N-32	SOURCE RANGE DETECTOR	1768.4 CPS	184
KSSUR	SOURCE RANGE START-UP RATE	0.0 DECF	M
U1169	PWR RNG NUCL CHANNEL RMP AVG Q	0.0 PCT	

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

	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
R07	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
R12 R13	PLANT VENT AIR PARTICLE RAD		9.700E+02	CPM
R14	AUX BUILDING EXHAUST RAD		1.500E+03	CPM
R14 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
R17B	LIQUID WASTE DISPOSAL RADIATION		3.500E-06	UCI/CC
R19	STM GENER BLOWDOWN DRAIN 2 RAD	A		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
R62D 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
R67 R68	PAB 15 FT AREA MONITOR		3.000E+00	MR/HR
R68 R69	PIPE PEN 54 FT AREA MONITOR		4.000E+00	MR/HR
R69 R70	FAN HOUSE 77 FT AREA MONITOR		1.000E-01	MR/HR
K/U	IM HOUSE // II IMM HOUSE			•

A - IN ALARM X - OUT OF ALARM CHECKING

U - UNAVAILABLE OR OUT-OF-RANGE S - OUT OF SCAN

E - ENTERED VALUE

IP-3 EQUIPMENT STATUS LOG

#11

DATE: 07/2/193 TIME: 1000

				200 4 7	uc			BUS			STAT	US
	BUS			STAT	REMARKS	PARAMETER_		#	0	S	os	REMARKS
PARAMETER	#	0	S	V X	KEMARKS	RHR Heat Exchangers	#31				X	
Reactor Coolant	#31 1			X	 	Mik hear bronaing	#32		Х			
Pumps -	#32 4			×	 	Component Cooling	#31			X		
•	#33 3	 		X	 	Heat Exchangers	#32			Х		
	#34 2	X	-	+-	 	Hydrogen Recombiner	#31	2A		X		
Emergency D/Gs	#31 2A			 		i ny diogon sees	#32	6A		X		
	#32 6A	X		X	 	Fan Cooler Units	#31	5A_			X	
	#33 5A	-	├	X	 	Tan Cooler chies	#32	2A	X			
Offsite Power	138V		├	 ✓	 	•	#33	5A			X	
Available	13.8KV	├	├	X	 	†	#34	3A_	X		<u> </u>	
Gas Turbines	GT-1	↓	├	 ^		-	#35	6A	X			
(Con Edison)	GT-2	↓	├	 ×		Aux. Boiler Feed	#31	3A	X			
	GT-3	↓	├ ─	X		Pumps	#32			X		
SIS Pumps	#31 5A	↓	┼	15		- rumps	#33	6A	X			<u> </u>
	#32 2A		+-	+ X		Containment Spray	#31	5A_			X	<u> </u>
	#33 6A	-	ــــــــــــــــــــــــــــــــــــ		 	Pumps	#32	6A		X		
High Head SIS	#31(GPM		_9			Charging Pumps	#31	5A			X	<u> </u>
Flow	#32(GPM				- Charging 1 carps	#32	3A		X		<u> </u>	
	#33(GPM			0		┪ .	#33	6A	X	<u></u>		<u> </u>
	#34(GPM			'		Component Cooling	#31	5A.		L	X	
RHR Pumps	#31 3A	X	╁—	TX		Pumps	#32	2A		X		
	#32 6A	+	┼	 		- romba	#33	6A	X	<u> </u>	1	<u> </u>
Recirc. Pumps	#31 5A	-	+ 2			Aux. Component	#31	5A		<u> </u>	X	<u> </u>
	#32 6A	+	TX	$\overline{\sim}$		Cooling Pumps	#32	6A	X			<u> </u>
Low Head SIS	#31(GPM					- COOTING TUMP	#33	5 A			X	
Flow	#32(GPM			<u>z</u> _		-	#34	6A	X			
		#33(GPM)		Appendix 'R' D/G				X		<u> </u>		
	#34 (GPM			<u> </u>		Appendix it 5/6						
Accum. Level	#31 (%)			<u>ø_</u>								
Accua.	#32 (%)			Ø								
	#33 (%)	_	_	<u>Ø</u>								
	#34 (%)	Ц_		Ø								

	BUS	T			STATUS	
PARAMETER	#	0	S	los	ESSENTIAL	NON-ESSENTIAL
Service Water	#31 5A			X	<u> </u>	
	#32 2A	X		<u> </u>	X	
Pumps	#33 6A	X	Ī		X	
	#34 5A			X		X
•	#35 3A	X				X
	#36 6A		X]		<u> </u>

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

DATE: July 21, 1993

TIME: 1015

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 12

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

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

0730	0745	0800)	0845	0900	0915	0920
Initial Conditions	I R-15 alarms	CCR Supe panel ala Alert to b	rms lost, Disp e declared alarms room	Control blay Panel for EDG #33 h, Chemist ms 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	11	115 	1130-1200
SGTR ~1200 RHR pump #32		Si pump #33 fails	R62-B alarms GE to be declared	RCS cooling restored		ty Valve #45-2 F not repaired	Drill Terminated

DATE: July 21, 1993

TIME: 1015

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 12

Plant status per plant status log #12.

07/21/93 1015

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

	PARAMETER		VALUE	
			570 1	DEG F
U1170	·			
U0090			851.3	DEG F
U0484			545.7	DEG F
U0486	RCL HOT AVG T		569.8	PSIG
PT-402	RCS PRESSURE - LOOP 1		305.7	
PT-403	RCS PRESSURE - LOOP 4 LOWEST RCS TEMP SAT MARGIN		385.7	PSIG
		_	.T72.2	DEG F
TMARCETA			-125.5	DEG F
S498AD	···		OFF	
S498BD			OFF	
S498CD	"A A GENERALE		OFF	
S498DD	RCP #34 STATUS		OFF	DOM
U0483	PRESSURIZER LEVEL 1/2/3 AVG CHARGING PUMP DISCHARGE FLOW		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		69.6 61.0 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	STEAM GENERATOR #31 W.R. LEVEL STEAM GENERATOR #32 W.R. LEVEL STEAM GENERATOR #33 W.R. LEVEL STEAM GENERATOR #34 W.R. LEVEL STM GEN A STM P 1/2/3 AVG STM GEN B STM P 1/2/3 AVG STM GEN C STM P 1/2/3 AVG STM GEN D STM P 1/2/3 AVG CONTAINMENT P 1/2/3 AVG AUX FD FLOW TO SG #31 AUX FD FLOW TO SG #32 AUX FD FLOW TO SG #34 CONDENSATE STORAGE TANK LEVEL		0.0	GPM
FT1202	AUX FD FLOW TO SG #33 AUX FD FLOW TO SG #34 CONDENSATE STORAGE TANK LEVEL CONTAINMENT AVG TEMPERATURE CONTAINMENT SUMP LEVEL CONTAINMENT SUMP LEVEL RECIRCULATION SUMP LEVEL RECIRCULATION SUMP LEVEL		0.0	GPM
FT1203	AUX FD FLOW TO SG #34	•	0.0	GPM
LT1128	CONDENSATE STORAGE TANK LEVEL			FT
LT1128A	CONDENSATE STORAGE TANK LEVEL		27.5	FT
TC-1416	CONTAINMENT AVG TEMPERATURE		77.7	
LT-1255	CONTAINMENT SUMP LEVEL		40.8	FT
LT-1256	CONTAINMENT SUMP LEVEL		40.8	FT
LT-1251	RECIRCULATION SUMP LEVEL		34.3	
LT-1252	RECIRCULATION SUMP LEVEL		34.3	FT
LT-920	KMSI DEVED		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	ប	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
ท-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

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

07/21/93 1015

	PARAMETER		VALUE	
R01	CONTROL ROOM RAD		0.000E+00	MR/HR
RO2	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
RO8	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 X - OUT OF ALARM CHECKING U - UNAVAILABLE OR OUT-OF-RANGE S - OUT OF SCAN

E - ENTERED VALUE

DATE: July 21, 1993

increasing.

TIME:

1030

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 13

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

NOTE: INFORMATION ON THIS SHEET IS FOR CONTROLLER USE ONLY.
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0730	0745	0800		45	0900	0915	0920
Initial Conditions	R-15 alarms	CCR Supe panel ala Alert to b	rvisory Fire C rms lost, Displa e declared alarms (room,	control ay Panel for EDG #33 Chemist s 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	1.	115 	1130-1200
SGTR ~1200 s RHR pump #32	gpm, fails	SI pump #33 fails	R62-B alarms GE to be declared	RCS cooling restored		ty Valve #45-2 f not repaired	Drill Terminated

DATE: July 21, 1993

TIME:

1030

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 13

Plant status per plant status log #13.

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	INCORE T/C TIME AVG VALUE 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-402	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	
- 4 0 0 0 0	DOD #24 COMMIC	OFF	
110483	PRESSURIZER LEVEL 1/2/3 AVG CHARGING PUMP DISCHARGE FLOW STEAM GENERATOR #31 W.R. LEVEL	26.9	PCT
FT-128	CHARGING PUMP DISCHARGE FLOW	65.0	GPM
T.T-417D	STEAM GENERATOR #31 W.R. LEVEL	62.2	PCT
エルーリンフル	STEAM GENERATOR #32 W.R. LEVEL	73.7	PCT
1.T-427D	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
FT1202	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
		41.3	FT
LT-1256 LT-1251 LT-1252	RECIRCULATION SUMP LEVEL	34.3	FT
T.T-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
01107			

EP FORM 31b

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

07/21/93 1030

VALUE

	FARMILLIAN			
D01	CONTROL ROOM RAD		0.000E+00	MR/HR
R01	AREA 2 RADIATION		1.500E+01	MR/HR
R02	CHARGING PUMP ROOM		1.000E-01	MR/HR
R04	FUEL STORAGE BUILDING RAD		2.000E-01	MR/HR
R05	SAMPLE ROOM RAD		6.000E-01	MR/HR
R06	IN CORE INS ROOM RAD		3.000E+00	MR/HR
R07	DRUMMING STATION RAD		8.000E-01	MR/HR
R08	STEAM LINE PENETRATIONS RAD		0.000E+00	R/HR
R10	CNMT AIR PARTICLE RADIATION		2.200E-10	UCI/CC
R11	CONTAINMENT GAS RADIATION		1.400E-06	UCI/CC
R12	PLANT VENT AIR PARTICLE RAD		9.300E+02	CPM
R13	AUX BUILDING EXHAUST RAD		1.500E+03	CPM
R14	STEAM AIR EJECT EXHAUST RAD		0.000E+00	UCI/CC
R15	CNMT CLNG HX SVC WTR OUT 1R		1.000E-07	UCI/CC
R16A	CNMT CLNG HX SVC WTR OUT 2R		1.000E-07	UCI/CC
R16B	CMPT CLG PUMP SUCT A HEADER RAD		3.000E+02	CPM
R17A	CMPT CLG PUMP SUCT B HEADER RAD		4.000E+02	CPM
R17B	LIQUID WASTE DISPOSAL RADIATION			UCI/CC
R18	STM GENER BLOWDOWN DRAIN 2 RAD	A		UCI/CC
R19	CCW SERVICE WATER EFFLUENT		1.000E-07	UCI/CC
R23	CONTAINMENT HIGH RAD MONITOR 1		9.200E-02	R/HR
R25	CONTAINMENT HIGH RAD MONITOR 2		9.200E-02	R/HR
R26	PLANT VENT RADIATION		6.800E-08	UCI/S
R27	STACK DISCHARGE AIR FLOW		10.0	KCFM
Y9051A	RAMS BUILDING NOBLE GAS MONITOR		5.100E-09	UCI/CC
R59	31 MAIN STEAM LINE		2.000E-04	UCI/CC
R62A	32 MAIN STEAM LINE	A	1.400E+01	UCI/CC
R62B	33 MAIN STEAM LINE		2.000E-04	UCI/CC
R62C	34 MAIN STEAM LINE		2.000E-04	UCI/CC
R62D	GROSS FAILED FUEL DETECTOR R63A		9.100E-03	UCI/CC
R63A	GROSS FAILED FUEL DETECTOR R63B		9.100E-03	UCI/CC
R63B	PAB 55 FT AREA MONITOR		1.000E-02	MR/HR
R64	PAB 55 FT AREA MONITOR		1.000E-01	MR/HR
R65	PAB 73 FT AREA MONITOR PAB 34 FT AREA MONITOR		1.000E-01	MR/HR
R66	PAB 41 FT AREA MONITOR		2.000E-01	MR/HR
R67	PAB 41 FT AREA MONITOR PAB 15 FT AREA MONITOR		3.000E+00	MR/HR
R68	PIPE PEN 54 FT AREA MONITOR		4.000E+00	MR/HR
R69	FAN HOUSE 77 FT AREA MONITOR		1.000E-01	MR/HR
R70	TAN DOUGE // II WEN HOUTTON		1.0000 01	

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

PARAMETER

E - ENTERED VALUE

IP-3 EQUIPMENT STATUS LOG

#13

DATE: U (/2/1/)
TIME: /030

				TAT	ic .			BUS			STAT	บร
	BUS			OS	REMARKS	PARAMETER		#	0	S		REMARKS
PARAMETER	#	0	5	<u> </u>	REMARKS	RHR Heat Exchangers	#31				×	
Reactor Coolant	#31 1			×	<u> </u>	Mik heat zhenenge	#32		Х			
Pumps .	#32 4			×		Component Cooling	#31		X			
•	#33 3			×		Heat Exchangers	#32		X			
	#34 2	X				Hydrogen Recombiner	#31	2A		X		
Emergency D/Gs	#31 2A	Ŷ			 	1.,, 0.2.0 8	#32	6A		X		
_	#32 6A	_	-	X		Fan Cooler Units	#31	5A			X	
	#33 5A		-	X		1	#32	2A	X			
Offsite Power	138V		-	Ý		1	#33	5A		<u> </u>	X	
Available	13.8KV			×	 	†	#34	3A	X			
Gas Turbines	<u>GT-1</u>	├	 	×			#35	6A	X	<u> </u>		
(Con Edison)	GT-2	├	┼──	Ŷ		Aux. Boiler Feed	#31	3A	X	<u> </u>		
	GT-3	├		X		Pumps	#32			X		<u> </u>
SIS Pumps	#31 5A	├	├	X			#33	6A_	X		<u> </u>	
	#32 2A	┼	├	Ŷ		Containment Spray	#31	5A		↓	X	<u> </u>
	#33 6A	╂	0	<u> </u>	 	Pumps	#32	6A		X	ļ.,	<u> </u>
High Head SIS	#31(GPM)			7		Charging Pumps	#31	5A	<u> </u>	<u> </u>	X	
Flow	#32 (GPM)	_			 	1	#32	3A	<u> </u>	X		
	#33 (GPM		- Ø		<u> </u>		#33	6A	X	<u> </u>	1	
	#34 (GPM	TX		T		Component Cooling	#31	5A		1_	X	
RHR Pumps	#31 3A #32 6A	┼╌	+	X		Pumps	#32	2A		X	1	
	#32 6A #31 5A	┼──	+	Î		•	#33	6A	X	 	1	
Recirc. Pumps	#31 5A #32 6A	+-	1×	1		Aux. Component	#31	5A	 	 	X	
	#32 GR #31 (GPM	1	Q	}		Cooling Pumps	#32	6A	X	↓	1	
Low Head SIS	#31 (GPM					7	#33	<u>5</u> A	 	↓ —	X	
Flow	#32 (GPM						#34	6A	X	 	 	
i	#33 (GPM					Appendix 'R' D/G			 	X	┼	
	#34(GFA		- V						 	-		
Accum. Level	#32 (%)		- 4						—	┼	+-	
	#32 (%)		- 4						1-	┼	-	
	#34 (%)		- 7						1	1	1	
	#34 (8)											

	BUS	1			STATUS	
PARAMETER	#	0	S	os	ESSENTIAL	NON-ESSENTIAL
Service Water	#31 5A			X	X	
	#32 2A	X		<u> </u>	X	
Pumps	#33 6A	X	<u></u>		X	
	#34 5A			X		X
	#35 3A	X	\mathbb{L}_{-}			X
	#36 6A		X	1	1	<u> </u>

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

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.	PAR's should be upgraded if not already done.	GE
	Core cooling has been restored.	CCR operators may have transitioned	
	Core exit thermocouples peaked at 1300°F.	to FR-C.2.	

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

0730	0745	0800	08	345 T	0900	0915 11	0920
Initial Conditions	R-15 alarms	CCR Supe panel ala Alert to b	rms lost, Displ e declared alarms room,	Control ay Panel for EDG #33 Chemist s 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	1'	115 	1130-1200
SGTR ~1200 RHR pump #33		SI pump #33 fails	R62-B alarms GE to be declared	RCS cooling restored		ty Valve #45-2 f not repaired	Drill Terminated

DATE: July 21, 1993

TIME: 1045

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 14

Plant status per plant status log #14.

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

07/21/93 1045

	PARAMETER	VALI	JE
U1170 U0090 U0484	INCORE T/C TIME AVG VALUE INST VALUE OF HOTTEST INCORE T/C RCL AVG TAVG	681.8 1300.6 U 615.0	DEG F DEG F DEG F
U0484	RCL HOT AVG T	682.2	DEG F
PT-402	RCS PRESSURE - LOOP 1	441.8	PSIG
PT-402	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		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 FT
LT-1252	RECIRCULATION SUMP LEVEL	34.3 33.9	FT
LT-920	RWST LEVEL		PCT
LT-931	CHEMICAL SPRAY ADDITIVE TANK LVL	83.4	PCT
HC-MCA	CONTAINMENT H2 CONCENTRATION	0.0	PCT
HC-MCB	CONTAINMENT H2 CONCENTRATION	U 0.0	PCT
LR002A	RVLIS DYNAMIC HEAD RANGE	U 0.0	PCT
LR002B	RVLIS DYNAMIC HEAD RANGE	42.8	PCT
LR001A	RVLIS FULL RANGE	42.8	PCT
LR001B	RVLIS FULL RANGE	1.1E-11	
N-35	INTERMEDIATE RANGE DETECTOR	1.1E-11	
N-36	INTERMEDIATE RANGE DETECTOR	0.1	DECPM
KISUR	INTERMEDIATE RANGE START-UP RATE	952.4	CPS
N-31	SOURCE RANGE DETECTOR	952.4	CPS
N-32	SOURCE RANGE DETECTOR SOURCE RANGE START-UP RATE	0.1	DECPM
KSSUR	PWR RNG NUCL CHANNEL RMP AVG Q	0.0	PCT
U1169	THE WIG HOCH CHANNED WILL AND A	3.0	

EP FORM 31b

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

07/21/93 1045

VALUE

	PARAMETER		VALUE	
R01	CONTROL ROOM RAD		0.000E+00	MR/HR
R02	AREA 2 RADIATION	A	3.100E+01	
RO4	CHARGING PUMP ROOM		1.000E-01	•
R05	FUEL STORAGE BUILDING RAD		2.000E-01	•
R06	SAMPLE ROOM RAD		6.000E-01	•
R07	IN CORE INS ROOM RAD		5.000E+00	MR/HR
RO8	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
				-

PARAMETER

E - ENTERED VALUE

IP-3 EQUIPMENT STATUS LOG

#14

DATE: 07/2/193 TIME: 1045

						1		BUS		- :	TAT	บร
	BUS		_	TAT	US REMARKS	PARAMETER		#	0	S	os	REMARKS
PARAMETER	##	0	S	os_	REMARKS	RHR Heat Exchangers	#31		X			
Reactor Coolant	#31 1			×	<u> </u>	Kik lieac Dictioning	#32		χ			
Pumps .	#32 4			×	 	Component Cooling	#31		Х			
•	#33 3		-	₩		Heat Exchangers	#32		×			
	#34 2	1		1-		Hydrogen Recombiner	#31	2A		Х		
Emergency D/Gs	#31 2A	X	├				#32	6A		X		
	#32 6A	1	├	X		Fan Cooler Units	#31	5A		X		
	#33 5A	├	├	X		-	#32	2A	X			
Offsite Power	138V	X	┼	1			#33	5 A		X		
Available	13.8KV	 ^-	┼──	X		-	#34	3 A	X	<u> </u>		
Gas Turbines	GT-1	├	┼	T			#35	6A	Х			
(Con Edison)	GT-2	┼─	╁─╴	ΤŶ		Aux. Boiler Feed	#31	3 <u>A</u>	X	<u> </u>		 -
·	GT-3	┼─-	X			Pumps	#32			X		
SIS Pumps	#31 5A	X		+			#33	6A	X	1.7		
•	#32 2A #33 6A	+^	+-	TX		Containment Spray	#31	5A		X	ļ	
High Head SIS	#33 6A #31(GPM	╁	10			Pumps	#32	6A		X	├	
	#31(GPM #32(GPM	(- 	10			Charging Pumps	#31	_5A		X	├	
Flow	#32(GPM	∜─		00_			#32	3A	 	X	 	
	#34 (GPM			Q			#33	6A	X	X	├	
	#34 (3111 #31 3A	1 _X	7	Ť		Component Cooling	#31	<u>5A</u>		X		+
RHR Pumps	#32 6A	1~	1	X		Pumps	#32	2A	X	┞	┼	
	#31 5A	1	X				#33	6A	1	X	┼─	
Recirc. Pumps	#32 6A	1	TX			Aux. Component	#31	5A 6A	 	Î	┼─	
T I I CIC	#31 (GPM)	0)		Cooling Pumps	#32	<u>5A</u>		X	┼─	
Low Head SIS	#32 (GPM		Ø				#33	6A	├	X	╁──	
Flow	#33(GPM		0				#34	- OA	┼	Ιŷ	1-	
	#34(GPM		e			Appendix 'R' D/G			1	ᡟ	1-	
A Lovel	#31 (%)		Q						+	+	+	1
Accum. Level	#32 (%)		Q						+	+	1	+
	#33 (%)		Ç						+	+	+-	+-
	#34 (%)		Q						<u>'</u>			1

	BUS	1				
PARAMETER	#	0	S	los	ESSENTIAL	NON-ESSENTIAL
	#31 5A		X		X	
Service Water	#32 2A	X			X	
Pumps	#33 6A	X		L	X	
	#34 5A		X			X
,	#35 3A	X	I			X
	#36 6A		X	1		<u> </u>

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

DEC

O - OPERATING

OS - OUT OF SERVICE

DATE: July 21, 1993

TIME:

1100

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 15

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

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

0730				0845 1	0900	0915	0920
Initial Conditions	R-15 alarms	CCR Supe	rvisory F rms lost, D e declared ala	ire Control isplay Panel rms for EDG #33 oom, Chemist firms 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	11	15 Table	1130-1200
SGTR ~1200 RHR pump #33		SI pump #33 fails	R62-B alarms GE to be decla	. •		y Valve #45-2 not repaired	Drill Terminated

DATE: July 21, 1993 TIME: 1100

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 15

Plant status per plant status log #15.

EP FORM 31a

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

07/21/93 1100

	PARAMETER	VALUE	
U1170 U0090	INST VALUE OF HOTTEST INCORE T/C	642.8 1248.8	DEG F
U0484	RCL AVG TAVG		DEG F
U0486			PSIG
PT-402			PSIG
PT-403	LOWEST RCS TEMP SAT MARGIN		DEG F
TMARCETA			DEG F
S498AD		OFF	<i>D D D D D D D D D D</i>
S498BD	· · · · · · · · · · · · · · · · · · ·	OFF	
S498CD	· · · · · · · · · · · · · · · · · · ·	OFF	
S498DD	——————————————————————————————————————	OFF	
		0 0	PCT
FT-128	PRESSURIZER LEVEL 1/2/3 AVG CHARGING PUMP DISCHARGE FLOW STEAM GENERATOR #31 W.R. LEVEL	65.0	GPM
I.T-417D	STEAM GENERATOR #31 W.R. LEVEL	62.9	PCT
	STEAM GENERATOR #32 W.R. LEVEL	84.8	PCT
	STEAM GENERATOR #33 W.R. LEVEL	61.2	PCT
LT-447D		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		465.7 463.4	PSIG
U1000		0.9	PSIG
FT1200	in the contract of the contrac	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		28.7	FT
LT1128A	CONDENSATE STORAGE TANK LEVEL	20.7	FT
TC-1416		81.0	DEG F
	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 PCT
U1169	PWR RNG NUCL CHANNEL RMP AVG Q	0.0	PCI

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
K/U	IM HOODE // II MARI HOULEON			,

X - OUT OF ALARM CHECKING A - IN ALARM

U - UNAVAILABLE OR OUT-OF-RANGE S - OUT OF SCAN

E - ENTERED VALUE

IP-3 EQUIPMENT STATUS LOG

DATE: 04/21/93 TIME: 1100

	BUS STATUS				US			BUS		_	STATUS	
PARAMETER	#	0	S	os	REMARKS	PARAMETER	· ·	#	0	S	os	REMARKS
Reactor Coolant				X		RHR Heat Exchangers	#31		X	ļ		
	#32 4			X			#32		X			
Pumps	#33 3			×		Component Cooling	#31		X			
•	#34 2			X		Heat Exchangers	#32		X			
Emergency D/Gs		×				Hydrogen Recombiner	#31	2A		X		
Emergency D/03	#32 6A	X					#32	6A		X		
	#33 5A			X		Fan Cooler Units	#31	5A	X	<u> </u>	<u> </u>	
Offsite Power	138V			X]	#32	2A_	X	<u> </u>		
Available	13.8KV	X					#33	5A	×	<u> </u>		
Gas Turbines	GT-1			X		1	#34	3A	X			
(Con Edison)	GT-2			X			#35	6A	X	ļ		
(Con Edison)	GT-3			X		Aux. Boiler Feed	#31	<u>3A</u>	X	!		
CIC Dumos	#31 5A	X	 	T		Pumps	#32		<u> </u>	X	<u> </u>	
SIS Pumps	#32 2A	×				1	#33	6A	X	<u> </u>		ļ
	#33 6A	 		X		Containment Spray	#31	<u>5A</u>	<u> </u>	X	ļ	<u> </u>
High Head SIS	#31 (GPM)		20	0		Pumps	#32	6A		X	<u> </u>	ļ
Flow	#32(GPM)		20			Charging Pumps	#31	5 <u>A</u>		X	<u> </u>	ļ
LIOM	#33(GPM)		20				#32	<u>3A</u>	ļ	X	 	<u> </u>
	#34 (GPM)		20				#33	6A	X	 	<u> </u>	↓
RHR Pumps	#31 3A	X				Component Cooling	#31	<u>5a</u>	<u> </u>	X	<u> </u>	
Krik rumps	#32 6A	1	1	X		Pumps	#32	2A	<u> </u>	X	 	
Recirc. Pumps	#31 5A	1	X				#33	6A	X	<u> </u>	 	
Recite. 1 dmps	#32 6A		IX	1		Aux. Component	#31	5A	 	X	 	ļ
Low Head SIS	#31(GPM)	1	Ø			Cooling Pumps	#32	<u>6A</u>	<u> </u>	X	 	
Flow	#32 (GPM)	_	e	1			#33	<u>5A</u>	L	X	↓	
LIOM	#33(GPM)		0				#34	6A	<u> </u>	Y	↓	
	#34 (GPM)					Appendix 'R' D/G				X.	<u> </u>	
Accum. Level	#31 (%)	1	Ø	7					<u> </u>		 	<u> </u>
Accum. Devel	#32 (%)	1	0						↓	↓		
	#33 (%)	1	0						1	↓	<u> </u>	ļ
	#34 (%)		0						<u> </u>	ــــــــــــــــــــــــــــــــــــــ	1	<u> </u>
	777 107		-									
			_									
	BUS	T			STATU	S	-	C Is				
	#	0	Is	los	ESSENTI	AL NON-ESSENTIAL						ich ar
PAPAMETER	**							not in required position.				
PARAMETER Sorvice Water		Τ×		T	X		not :	in re	equi	red	pos	ition.)
PARAMETER Service Water Pumps	#31 5A #32 2A			-	X		not:	in re	equi:	red	pos	ition.)

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

#34 5A #35 3A #36 6A

S - STANDBY

O - OPERATING

OS - OUT OF SERVICE

DATE: July 21, 1993

TIME: 1115____

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 16

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

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

0730	0745	080)	0845	0900	0915	0920
Initial Conditions	R-15 alarms	CCR Supe panel ala Alert to b	rms lost, Disp e declared alarms room	Control lay Panel for EDG #33 , Chemist ms 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	11	15	1130-1200
SGTR ~1200 RHR pump #32	gpm, fails	SI pump #33 fails	R62-B alarms GE to be declared	RCS cooling restored		y Valve #45-2 not repaired	Drill Terminated

DATE: July 21, 1993 TIME: 1115

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 16

Plant status per plant status log #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
T.T-417D	STEAM GENERATOR #31 W.R. LEVEL	66.7	PCT
LT-427D	STEAM GENERATOR #32 W.R. LEVEL	92.4	PCT
LT-437D		63.6	PCT
LT-447D		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 CPS
N-31	SOURCE RANGE DETECTOR	576.2	CPS
N-32	SOURCE RANGE DETECTOR	576.2	DECPM
KSSUR	SOURCE RANGE START-UP RATE	0.1 0.0	PCT
U1169	PWR RNG NUCL CHANNEL RMP AVG Q	0.0	FCI

EP FORM 31b

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

07/21/93 1115

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 R17A CMPT CLG PUMP SUCT A HEADER RAD 3.000E+02 CPM R17B CMPT CLG PUMP SUCT B HEADER RAD 4.000E+02 CPM
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
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
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
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
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
RO8 DRUMMING STATION RAD R10 STEAM LINE PENETRATIONS RAD R11 CNMT AIR PARTICLE RADIATION R12 CONTAINMENT GAS RADIATION R13 PLANT VENT AIR PARTICLE RAD R14 AUX BUILDING EXHAUST RAD R15 STEAM AIR EJECT EXHAUST RAD R16 CNMT CLNG HX SVC WTR OUT 1R R16B CNMT CLNG HX SVC WTR OUT 2R R17A CMPT CLG PUMP SUCT A HEADER RAD R17B CMPT CLG PUMP SUCT B HEADER RAD
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
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
R12 CONTAINMENT GAS RADIATION R13 PLANT VENT AIR PARTICLE RAD R14 AUX BUILDING EXHAUST RAD R15 STEAM AIR EJECT EXHAUST RAD R16A CNMT CLNG HX SVC WTR OUT 1R R16B CNMT CLNG HX SVC WTR OUT 2R R17A CMPT CLG PUMP SUCT A HEADER RAD R17B CMPT CLG PUMP SUCT B HEADER RAD
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
R14 AUX BUILDING EXHAUST RAD R15 STEAM AIR EJECT EXHAUST RAD R16A CNMT CLNG HX SVC WTR OUT 1R R16B CNMT CLNG HX SVC WTR OUT 2R R17A CMPT CLG PUMP SUCT A HEADER RAD R17B CMPT CLG PUMP SUCT B HEADER RAD R17B CMPT CLG PUMP SUCT B HEADER RAD R17B CMPT CLG PUMP SUCT B HEADER RAD 1.500E+03 CPM 1.000E-07 UCI/CC 3.000E+02 CPM 4.000E+02 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
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
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
R17A CMPT CLG PUMP SUCT A HEADER RAD 3.000E+02 CPM R17B CMPT CLG PUMP SUCT B HEADER RAD 4.000E+02 CPM
R17B CMPT CLG PUMP SUCT B HEADER RAD 4.000E+02 CPM
114/2
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

X - OUT OF ALARM CHECKING A - IN ALARM

U - UNAVAILABLE OR OUT-OF-RANGE S - OUT OF SCAN

E - ENTERED VALUE

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:

Controllers

CCR and All Plant status per plant status Continue accident log #17.

assessment.

GE

Cool down continues.

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

0730 0745 0800II Initial R-15 CCR Supervisor Conditions alarms panel alarms to Alert to be deci-		08	45 	0900	0915	0920 	
		panel ala	rms lost, Displayed declared alarms room,	Control by Panel for EDG #33 Chemist s 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	1'	115	1130-1200
SGTR ~1200 RHR pump #32		SI pump #33 fails	R62-B alarms GE to be declared	RCS cooling restored		ty Valve #45-2 f not repaired	Drill Terminated

<u>DATE</u>: July 21, 1993 <u>TIME</u>: <u>1130</u>

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 17

Plant status per plant status log #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		368.2 896.3	DEG F
U0090	INST VALUE OF HOTTEST INCORE T/C	77	540.0	DEG F
U0484	RCL AVG TAVG	U	369.2	DEG F
U0486	RCL HOT AVG T		150.4	PSIG
PT-402	RCS PRESSURE - LOOP 1		150.4	PSIG
PT-403	RCS PRESSURE - LOOP 4		-12.5	
KHTMARCS	LOWEST RCS TEMP SAT MARGIN		-12.5	DEG F
TMARCETA	CET TEMP SAT MAR		OFF	DEG 1
S498AD	RCP #31 STATUS		OFF	
S498BD	RCP #32 STATUS		OFF	
S498CD	RCP #33 STATUS		OFF	
S498DD	RCP #34 STATUS		0.0	PCT
U0483			125.0	GPM
FT-128			67.4	PCT
LT-417D			92.2	PCT
LT-427D	STEAM GENERATOR #32 W.R. LEVEL		65.6	PCT
LT-437D	STEAM GENERATOR #33 W.R. LEVEL		66.8	PCT
LT-447D	STEAM GENERATOR #34 W.R. LEVEL		150.2	PSIG
U0414	STM GEN A STM P 1/2/3 AVG		175.7	PSIG
U0434	STM GEN B STM P 1/2/3 AVG		151.6	PSIG
U0454	STM GEN C STM P 1/2/3 AVG		152.1	PSIG
U0474	STM GEN D STM P 1/2/3 AVG		1.0	PSIG
U1000	CONTAINMENT P 1/2/3 AVG		174.9	GPM
FT1200	AUX FD FLOW TO SG #31		0.0	
FT1201	AUX FD FLOW TO SG #32		183.8	
FT1202	AUX FD FLOW TO SG #33		183.7	
FT1203	AUX FD FLOW TO SG #34	•	29.2	FT
LT1128	CONDENSATE STORAGE TANK LEVEL		29.2	FT
LT1128A	CONDENSATE STORAGE TANK LEVEL		82.1	DEG F
TC-1416	CONTAINMENT AVG TEMPERATURE		42.3	
LT-1255	CONTAINMENT SUMP LEVEL		42.3	
LT-1256	CONTAINMENT SUMP LEVEL		34.3	
LT-1251	RECIRCULATION SUMP LEVEL		34.3	FT
LT-1252	RECIRCULATION SUMP LEVEL		28.9	FT
LT-920	RWST LEVEL CHEMICAL SPRAY ADDITIVE TANK LVL		83.4	PCT
LT-931	CONTAINMENT H2 CONCENTRATION		0.0	PCT
HC-MCA	CONTAINMENT H2 CONCENTRATION CONTAINMENT H2 CONCENTRATION		0.0	PCT
HC-MCB	RVLIS DYNAMIC HEAD RANGE	บ	0.0	PCT
LR002A	RVLIS DINAMIC HEAD RANGE RVLIS DYNAMIC HEAD RANGE	Ü	0.0	PCT
LR002B	RVLIS FULL RANGE	•	80.5	PCT
LR001A LR001B	RVLIS FULL RANGE		80.5	PCT
	INTERMEDIATE RANGE DETECTOR		1.0E-11	AMPS
N-35	INTERMEDIATE RANGE DETECTOR		1.0E-11	AMPS
N-36	INTERMEDIATE RANGE DETECTOR INTERMEDIATE RANGE START-UP RATE		0.1	DECPM
KISUR N-31	SOURCE RANGE DETECTOR		566.1	CPS
N-31 N-32	SOURCE RANGE DETECTOR		566.1	CPS
	SOURCE RANGE DETECTOR SOURCE RANGE START-UP RATE		0.1	DECPM
KSSUR U1169	PWR RNG NUCL CHANNEL RMP AVG Q		0.0	PCT
OTIOS	THE EAST MOCH CHEMINAN TAIL WAS &		3 	=

PARAMETER

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

07/21/93 1130

	* LHARID* DIV			
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

X - OUT OF ALARM CHECKING

VALUE

U - UNAVAILABLE OR OUT-OF-RANGE S - OUT OF SCAN

E - ENTERED VALUE

EP-FORM #31C

IP-3 EQUIPMENT STATUS LOG

						· · /						
	BUS		9	TAT	US]	BUS			TAT	
	# #	0		os	REMARKS	PARAMETER		#	_0	S	os	REMARKS
PARAMETER		<u> </u>		X		RHR Heat Exchangers	#31		X			
Reactor Coolant	#31 1			X			#32		X			
Pumps	#32 4			×		Component Cooling	#31		X			
	#34 2			×		Heat Exchangers	#32_		X	11		
2 /2-	#34 Z #31 2A		×			Hydrogen Recombiner	#31	2A		X		
Emergency D/Gs	#32 6A		×				#32	6A		X		
	#32 6A #33 5A		 	×		Fan Cooler Units	#31	5A	×	 	 	
	#33 JK 138V		 	X			#32	2A	×	ļ	 	
Offsite Power	13.8KV	×	1	<u> </u>		-	#33	5 <u>A</u>	X	<u> </u>		
<u>Available</u>		4	1	X		7	#34	3A	X	-	 	
Gas Turbines	GT-1 GT-2	_	\vdash	×			#35	6A	X	├ ─		 -
(Con Edison)	GT-3		 	×		Aux. Boiler Feed	#31	3A	X	<u> </u>	 	
	#31 5A	X	1-	1		Pumps	#32		├ ─	X.	 	
SIS Pumps	#31 JA #32 2A	X					#33	6A	X	-	 	
	#32 ZA #33 6A	-	+	X		Containment Spray	#31	<u>5A</u>	 	X	—	
	#33 GA #31(GPM)	-	20			Pumps	#32	6A	 	×	┼—	
High Head SIS Flow	#31(GPM)		20	00		Charging Pumps	#31	5A	×	٠.	├	
	#32(GPM)			00			#32	<u>3A</u>	1	×	┼	
	#34(GPM)	_		00			#33	6A	X	1_	╂	┼
	#34(GIH)	X				Component Cooling	#31	<u>5A</u>	_	X	┼	+
RHR Pumps	#31 5A #32 6A	1~	1-	X		Pumps	#32	2A		X	┼-	
	#32 0A #31 5A	\dagger	X				#33	6A	X	1.,	┼	
Recirc. Pumps	#31 JA #32 6A	┼─	X	1		Aux. Component	#31	<u>5A</u>	 	X	┼	
	#32 GPM	$\forall -$		00		Cooling Pumps	#32	6A	 	X	╁	 -
Low Head SIS	#32(GPM			00			#33		_	X	╂	┼──
Flow	#32(GPM			00			#34	<u>6A</u>	╂		┼	
	#34(GPM			00		Appendix 'R' D/G			┼	X	+-	+
V 1	#31 (%)			Ø					┼	┼-	+-	+
Accum. Level	#32 (%)		_	Ø					+	+-	+-	
	#32 (%)			0_					+-	+-	+-	
	#34 (%)			7						_ـــــــــــــــــــــــــــــــــــــ		
	#34 (8)											
						1	· ·	C Is	olat	ior	Va:	lves
	BUS	_		1	STAT	IAL NON-ESSENTIAL						hich a
PARAMETER	##_	49		OS	ESSENT	TAL NON-ESSENTIAL	not	in r	equi	red	pos	ition.
		1 1	<i>_</i>	1	1 X					_	•	

	BUS	STATUS							
PARAMETER	#	0	S	os	ESSENTIAL	NON-ESSENTIAL			
Service Water	#31 5A	X							
Pumps	#32 2A	X	<u> </u>	<u> </u>	×				
i diipo	#33 6A	X	<u> </u>	<u> </u>	×				
	#34 5A		1×	 		×			
	#35 3A	1X	 	↓		 			
	#36_6A	<u> </u>	1X	<u></u>					

not in required position.)

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

S - STANDBY

O - OPERATING

OS - OUT OF SERVICE

DATE: July 21, 1993

TIME: 1145

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 18

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

Cool down continues.

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

0730) 0	345 	0900	0915	0920
Initial Conditions	R-15 alarms	CCR Supe panel ala Alert to b	rms lost, Displ e declared alarms room,	Control ay Panel for EDG #33 Chemist s 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	11	115	1130-1200
SGTR ~1200 RHR pump #32		SI pump #33 fails	R62-B alarms GE to be declared	RCS cooling restored		ty Valve #45-2 f not repaired	Drill Terminated

DATE: July 21, 1993

TIME: 1145

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 18

Plant status per plant status log #18.

#18

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

07/21/93 1145

	PARAMETER		VALUE	:
U1170	INCORE T/C TIME AVG VALUE		368.2 673.2	DEG F DEG F
U0090	INST VALUE OF HOTTEST INCORE T/C	77	540.0	DEG F
U0484	RCL AVG TAVG	U	355.7	DEG F
U0486	RCL HOT AVG T RCS PRESSURE - LOOP 1		150.4	PSIG
PT-402	RCS PRESSURE - LOOP 1 RCS PRESSURE - LOOP 4		150.4	PSIG
PT-403	LOWEST RCS TEMP SAT MARGIN		2.4	DEG F
KHTMARCS	CET TEMP SAT MAR		2.4	DEG F
	RCP #31 STATUS		OFF	<i>D</i> L 0 1
S498AD	RCP #31 STATUS RCP #32 STATUS		OFF	
S498BD S498CD	·		OFF	
S498CD S498DD	RCP #34 STATUS		OFF	
5490DD	PRESSURIZER LEVEL 1/2/3 AVG		0.0	PCT
00403 ET-128	CHARGING PUMP DISCHARGE FLOW		125.0	GPM
T.T-417D	STEAM GENERATOR #31 W.R. LEVEL		67.4	PCT
			92.2	PCT
T.T-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	STEAM GENERATOR #32 W.R. LEVEL STEAM GENERATOR #34 W.R. LEVEL STEAM GENERATOR #34 W.R. LEVEL STM GEN A STM P 1/2/3 AVG STM GEN B STM P 1/2/3 AVG STM GEN C STM P 1/2/3 AVG STM GEN D STM P 1/2/3 AVG CONTAINMENT P 1/2/3 AVG AUX FD FLOW TO SG #31 AUX FD FLOW TO SG #32 AUX FD FLOW TO SG #33 AUX FD FLOW TO SG #34 CONDENSATE STORAGE TANK LEVEL		174.9	
FT1201	AUX FD FLOW TO SG #32		0.0	GPM
FT1202	AUX FD FLOW TO SG #33		183.8	
FT1203	AUX FD FLOW TO SG #34 CONDENSATE STORAGE TANK LEVEL		183.7	
LT1128			29.2	FT
LT1128A	CONDENSATE STORAGE TANK LEVEL		29.2	FT
TC-1416			82.1	DEG F
LT-1255	CONTAINMENT SUMP LEVEL		42.3	FT
LT-1256	CONTAINMENT SUMP LEVEL		42.3	
LT-1251	RECIRCULATION SUMP LEVEL		34.3	FT
LT-1252	RECIRCULATION SUMP LEVEL		34.3	FT
LT-920			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	Ü		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 CPS
N-31	SOURCE RANGE DETECTOR		566.1	CPS
N-32	SOURCE RANGE DETECTOR		566.1	DECPM
KSSUR	SOURCE RANGE START-UP RATE		0.1 0.0	PCT
U1169	PWR RNG NUCL CHANNEL RMP AVG Q		0.0	FCI

PARAMETER

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

07/21/93 1145

VALUE

	I MATILI DIA		•
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
R12 R13	PLANT VENT AIR PARTICLE RAD	8.300E+02	CPM
	AUX BUILDING EXHAUST RAD	1.500E+03	CPM
R14	STEAM AIR EJECT EXHAUST RAD	0.000E+00	UCI/CC
R15	CNMT CLNG HX SVC WTR OUT 1R	1.000E-07	UCI/CC
R16A	CNMT CLNG HX SVC WTR OUT 2R	1.000E-07	UCI/CC
R16B	CMPT CLG PUMP SUCT A HEADER RAD	3.000E+02	CPM
R17A	CMPT CLG PUMP SUCT B HEADER RAD	4.000E+02	CPM
R17B	LIQUID WASTE DISPOSAL RADIATION	3.500E-06	UCI/CC
R18	STM GENER BLOWDOWN DRAIN 2 RAD A		UCI/CC
R19	CCW SERVICE WATER EFFLUENT	1.000E-07	UCI/CC
R23	CONTAINMENT HIGH RAD MONITOR 1	9.200E-02	R/HR
R25	CONTAINMENT HIGH RAD MONITOR 2	9.200E-02	R/HR
R26	PLANT VENT RADIATION	6.800E-08	UCI/S
R27	STACK DISCHARGE AIR FLOW	10.0	KCFM
Y9051A	RAMS BUILDING NOBLE GAS MONITOR	5.100E-09	UCI/CC
R59		2.000E-04	UCI/CC
R62A	31 MAIN STEAM LINE	4.000E-04	UCI/CC
R62B	32 MAIN STEAM LINE	2.000E-04	UCI/CC
R62C	33 MAIN STEAM LINE	2.000E-04	UCI/CC
R62D	34 MAIN STEAM LINE	9.100E-03	UCI/CC
R63A	GROSS FAILED FUEL DETECTOR R63A	9.100E-03	UCI/CC
R63B	GROSS FAILED FUEL DETECTOR R63B	1.000E-02	MR/HR
R64	PAB 55 FT AREA MONITOR	1.000E-02 1.000E-01	MR/HR
R65	PAB 73 FT AREA MONITOR		MR/HR
R66	PAB 34 FT AREA MONITOR	1.000E-01	
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 S - OUT OF SCAN X - OUT OF ALARM CHECKING

E - ENTERED VALUE

DATE: July 21, 1993

ISSUED

Controllers

TO:

TIME: 1200

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 19____

ANTICIPATED RESULTS E-PLAN CLASS: AND COMMENTS:

Plant status per plant status CCR and All

SUMMARY OF

MESSAGE:

Continue accident

GE

assessment. log #19.

Cool down continues.

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

0730	0745	0800	08	45	0900	0915	0920
Initial Conditions	R-15 alarms	CCR Supe panel ala Alert to b	rms lost, Displa e declared alarms room,	Control ay Panel for EDG #33 Chemist s 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	1.	115 - I	1130-1200
SGTR ~1200 RHR pump #32		SI pump #33 fails	R62-B alarms GE to be declared	RCS cooling restored		ty Valve #45-2 f not repaired	Drill Terminated

DATE: July 21, 1993 TIME: 1200

INDIAN POINT NO. 3 SCENARIO

MESSAGE NUMBER: 19

Plant status per plant status log #19.

#19

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	
110483	PRESSURIZER LEVEL 1/2/3 AVG		0.0	PCT
FT-128	CHARGING PUMP DISCHARGE FLOW		125.0	GPM
T.T-417D	STEAM GENERATOR #31 W.R. LEVEL		67.4	PCT
I.T-427D	STEAM GENERATOR #32 W.R. LEVEL		92.2	PCT
T.T-437D	STEAM GENERATOR #33 W.R. LEVEL		65.6	PCT
LT-447D	STEAM GENERATOR #34 W.R. LEVEL		66.8	PCT
U0414			150.2	PSIG
U0434			175.7	PSIG
U0454			151.6	PSIG
U0474			152.1	PSIG
U1000			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			34.3	FT
LT-1252			34.3	FT
LT-920	RWST LEVEL		28.9	${f FT}$
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	ប	0.0	PCT
LR002B	RVLIS DYNAMIC HEAD RANGE	บ	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
01107	and the state of t	•		

EP FORM 31b

INDIAN POINT UNIT 3 EMERGENCY PLANT STATUS REPORT

	PARAMETER	VALUE	
	The state of the s	0.000E+00	MR/HR
R01	CONTROL ROOM RAD	1.100E+01	MR/HR
R02	AREA 2 RADIATION	1.000E-01	MR/HR
R04	CHARGING PUMP ROOM	2.000E-01	MR/HR
R05	FUEL STORAGE BUILDING RAD		MR/HR
R06	SAMPLE ROOM RAD	6.000E-01	
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	
R19	STM GENER BLOWDOWN DRAIN 2 RAD	A 1.000E-05	
R23	CCW SERVICE WATER EFFLUENT	1.000E-07	
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
	PAB 15 FT AREA MONITOR	3.000E+00	MR/HR
R68	PIPE PEN 54 FT AREA MONITOR	4.000E+00	MR/HR
R69	FAN HOUSE 77 FT AREA MONITOR	1.000E-01	MR/HR
R70	TAN HOUSE // II AREA HOUTTOK	1.0002 01	

A - IN ALARM X - OUT OF ALARM CHECKING

U - UNAVAILABLE OR OUT-OF-RANGE S - OUT OF SCAN

E - ENTERED VALUE

EP-FORM #31C

IP-3 EQUIPMENT STATUS LOG

DATE: 07/21/93 TIME: 1200

#19

	BUS		9	TAT	us]		BUS			STAT	
PARAMETER _	#	0	S	os	REMARKS	PARAMETER		#	0	S	os	REMARK
Reactor Coolant				X		RHR Heat Exchangers	#31		X			
	#32 4			X			#32		_X_	ļ		
Pumps .	#33 3			X		Component Cooling	#31		X	 		
•	#34 2			X		Heat Exchangers	#32		_X			
Emergency D/Gs	#31 2A		X			Hydrogen Recombiner	#31	2A		Χ		
emergency D/03.	#32 6A		×		1		#32	6A		Υ		
•	#33 5A			X		Fan Cooler Units	#31	5A	X			
Offsite Power	138V			X		1	#32	2A	X			
	13.8KV	X				1	#33	5A_	X			
Available Gas Turbines	GT-1			X		7	#34	3A	×	<u> </u>		
	GT-2			X			#35	6A	X	<u> </u>		
(Con Edison)	GT-3			X		Aux. Boiler Feed	#31	3A	_X_			
070 D	#31 5A	X		1		Pumps	#32			X		
SIS Pumps	#32 2A	×					#33	6A_	×			<u> </u>
	#32 ZA	-		×		Containment Spray	#31	5A		X		L
TT L Hand CTC	#31 (GPM)		200	2		Pumps	#32	6A		X		
High Head SIS	#32(GPM)		200	2		Charging Pumps	#31	5A	Х			L
Flow	#32(GPM)		200			7 .	#32	3A		X	<u> </u>	
	#34(GPM)		20				#33	6A	X	<u></u>	<u> </u>	
DUD D	#34 (3111)	X		Ť	1	Component Cooling	#31	5A		X	<u> </u>	
RHR Pumps	#32 6A	1	1	X	 	Pumps	#32	2A		X		
D. J D	#32 OA #31 5A	1-	X	_			#33	6A	X	<u> </u>		
Recirc. Pumps	#32 6A	1	$\frac{1}{x}$	1		Aux. Component	#31	5A		1×		
• West CTC	#31 (GPM)	1		20		Cooling Pumps	#32	6A		X		
Low Head SIS	#32(GPM)		500		-	1	#33	5A		×	1	
Flow	#32(GPM)	_				1	#34	6A		X		<u> </u>
	#34(GPM)				Appendix 'R' D/G				X			
7 7	#34(GFN)	0										<u> </u>
Accum. Level	#32 (%)	Ø										<u> </u>
	#32 (%)	1		5								
	#33 (%)	+-										
	#74 (8)											
		$\overline{}$			CTATI	-	V	CTSC	lat	ion	Val	ves

	BUS	T	STATUS							
PARAMETER	#	0	s	los	ESSENTIAL	NON-ESSENTIAL				
Service Water	#31 5A	X			×					
Pumps	#32 2A	×		I	X					
rumps	#33 6A	X			X					
	#34 5A		X	l		X				
·	#35 3A	X				<u> </u>				
	#36 6A		X			<u> </u>				

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

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

NOTE: INFORMATI

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

<u>INSTRUCTIONS TO CONTROLLER/OBSERVER</u>: 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

<u>VISUAL DESCRIPTION AT SCENE</u>: Circuit breaker #11 on Distribution Panel #31 is in the trip position.

<u>INSTRUCTIONS TO CONTROLLER/OBSERVER</u>: 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)

<u>NOTE</u>: 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 # <u>2A</u>

<u>TIME: 0815</u>

LOCATION: EOF

INFORMATION TO BE PROVIDED TO: EOF staff

GENERAL AREA RAD. LEVELS: N/A

SPECIFIC AREA RAD. LEVELS: N/A

<u>VISUAL DESCRIPTION AT SCENE</u>: 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

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

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

<u>INSTRUCTIONS TO CONTROLLER/OBSERVER</u>: 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.

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

<u>VISUAL DESCRIPTION AT SCENE</u>: 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:

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

<u>INSTRUCTIONS TO CONTROLLER/OBSERVER</u>: 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).

<u>NOTE:</u> After reporting to the SS, these actions are to be simulated in the entrance way to the CCR.

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

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

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

NOTE:

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.

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.

<u>INSTRUCTIONS TO CONTROLLER/OBSERVER</u>: 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/h (c) (3 ft)			
0920-0959	В	KGD		
1000-1014	50	1.4		
1015-1029	220	6		
1030-1044	2045	<i>55</i>		
1045-1059	4380	125		
1100-1114	1385	10		
1115-1200	В.	KGD		

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

<u>VISUAL DESCRIPTION AT SCENE</u>: Breaker trips on overcurrent. Breakers are OK.

Pump is mechanically bound.

<u>INSTRUCTIONS TO CONTROLLER/OBSERVER</u>: Whenever they close the breaker, the breaker trips.

Provide above information when inspection/repair is being performed.

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.

<u>INSTRUCTIONS TO CONTROLLER/OBSERVER</u>: Any attempt to repair pump is unsuccessful.

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

<u>INSTRUCTIONS TO CONTROLLER/OBSERVER</u>: Provide dose rates as per plant map.

Provide information below:

All air samples are BKGD.

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	

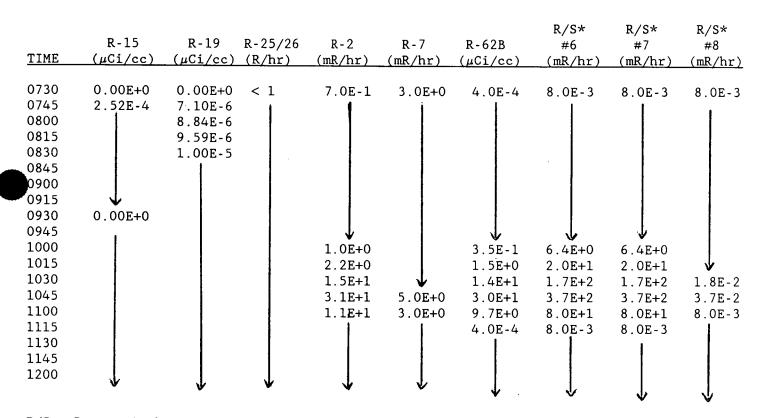
INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1993 NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

JULY 21, 1993

TABLE I

RADIOLOGICAL DATA



R/S - Reuter Stokes

Note: All other R/S readings are BKGD.

INDIAN POINT NO. 3 NUCLEAR POWER PLANT

1993 NRC OBSERVED PARTIAL PARTICIPATION EXERCISE

JULY 21, 1993

TABLE IIA

VAPOR CONTAINMENT ACTIVITIES

MARINELLI ACTIVITY

A11 < 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

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		<u>TIME</u>					
	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

	TIME			
ISOTOPE	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.

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)

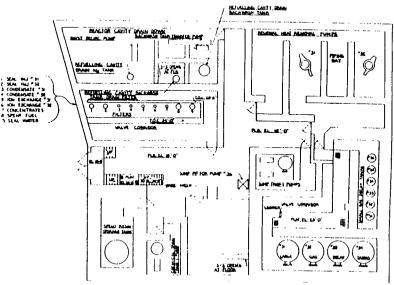
	0730- 0950	1000- 1014	1015 - 1029	1030- 1044	1045 - 1059	1100- 1114	1115- END
CCR	BKGD						>
EOF	BKGD						>
OTSC	BKGD						>
Machine Shop	BKGD			<u>·</u>			>
Warehouse	BKGD						>
Construction	BKGD	.04	.1	1	2	4	BKGD
Training '	BKGD						>

X Mark Star IJ CI

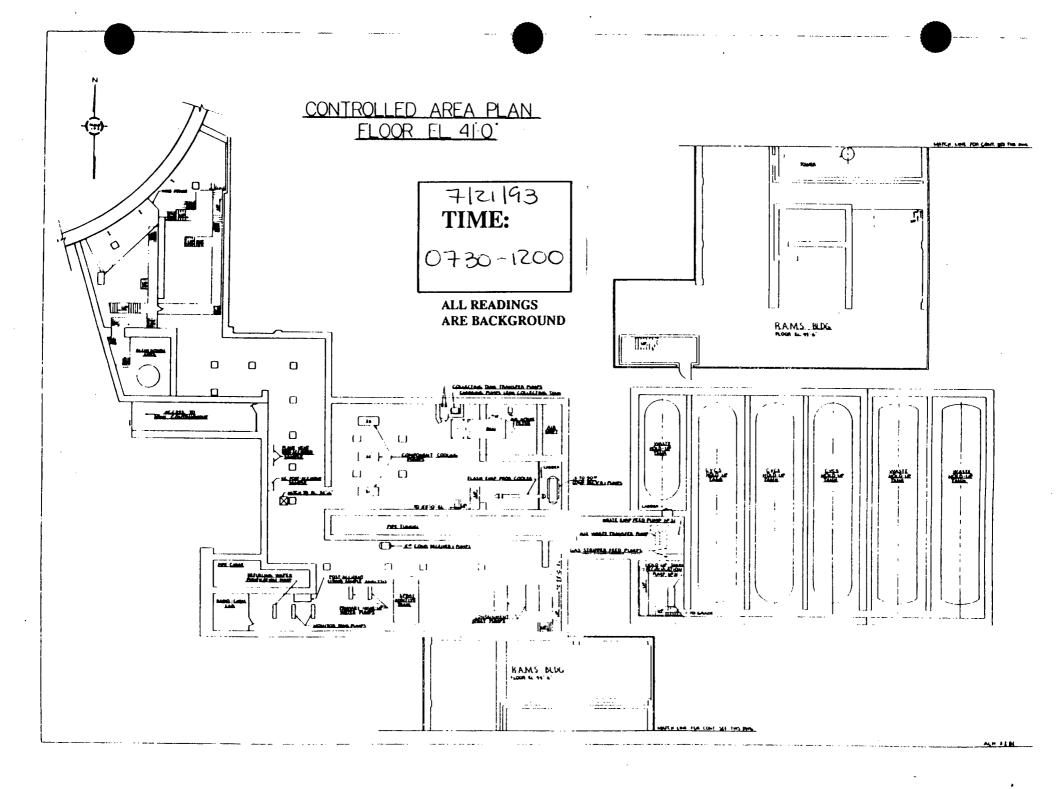
7/21/93 TIME:

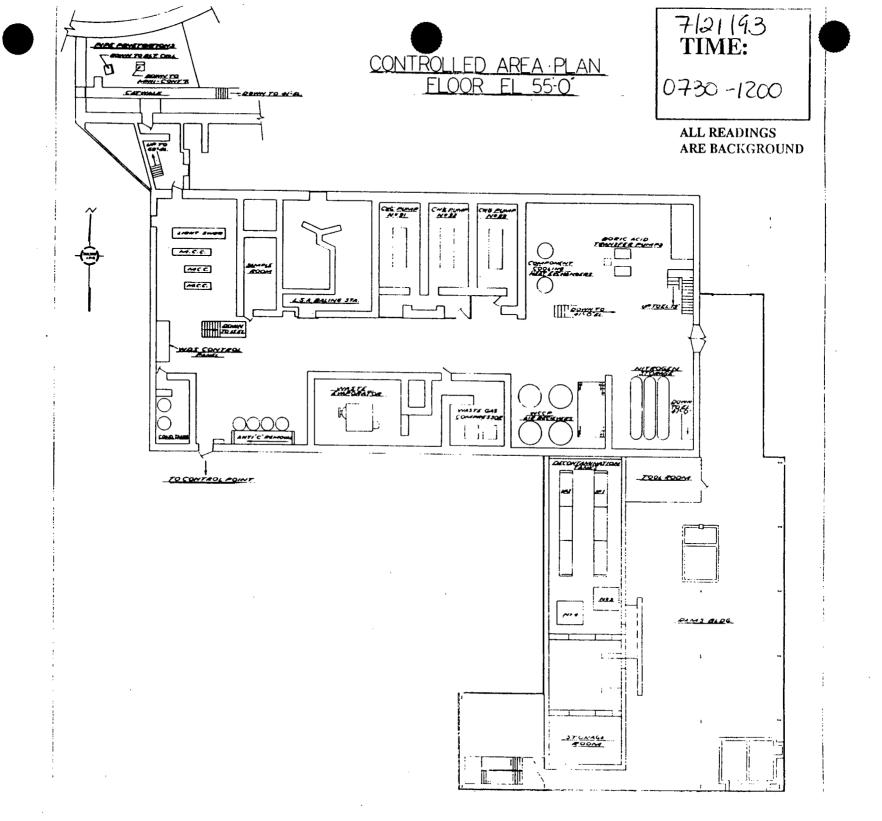
0730-1700

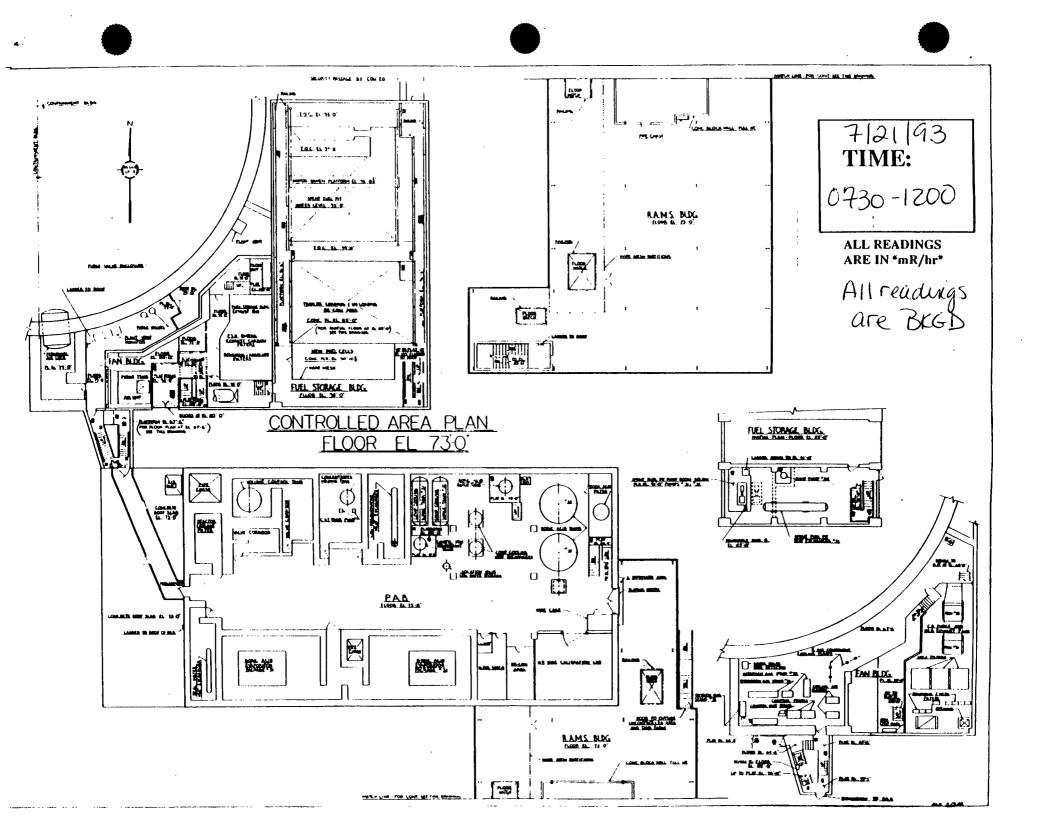
ALL READINGS ARE BACKGROUND



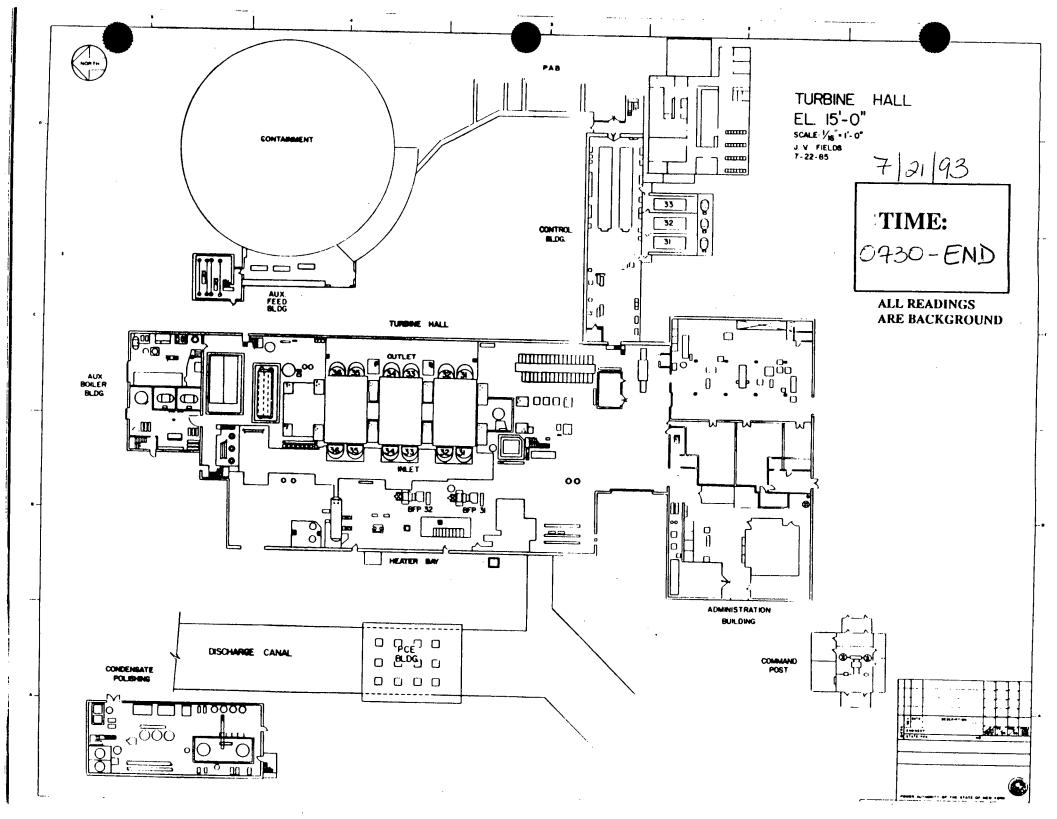
CONTROLLED AREA PLAN TLOOR EL 15 O

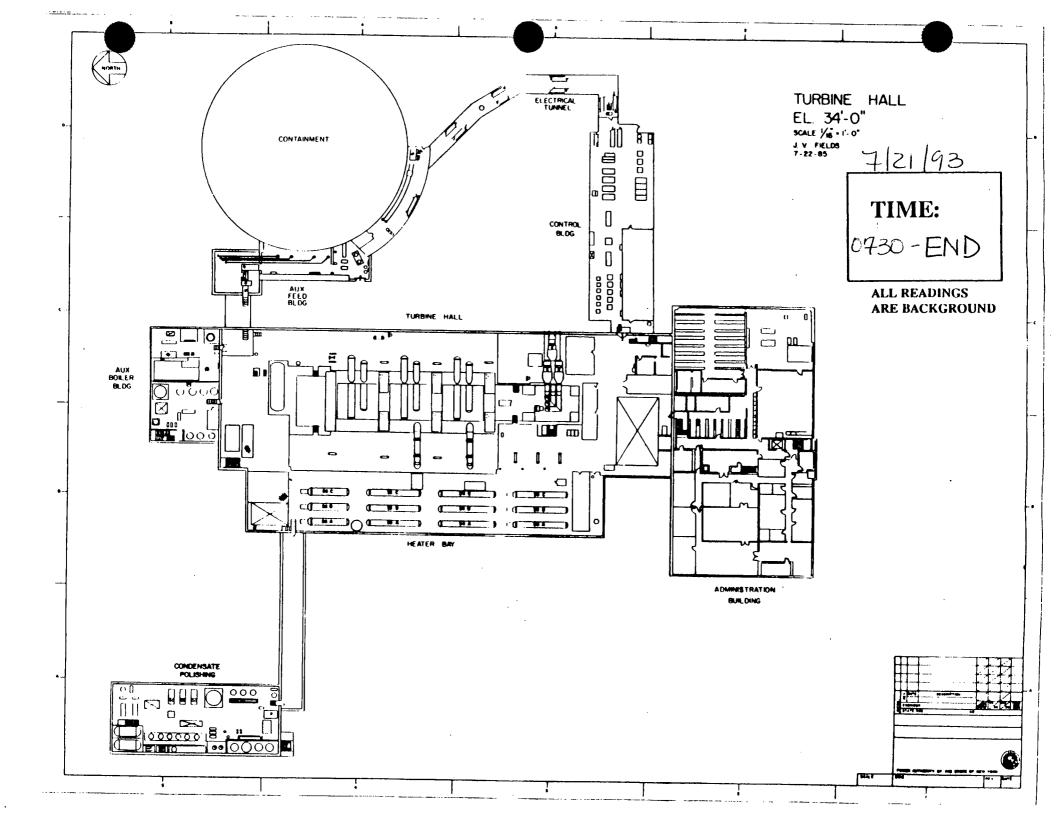


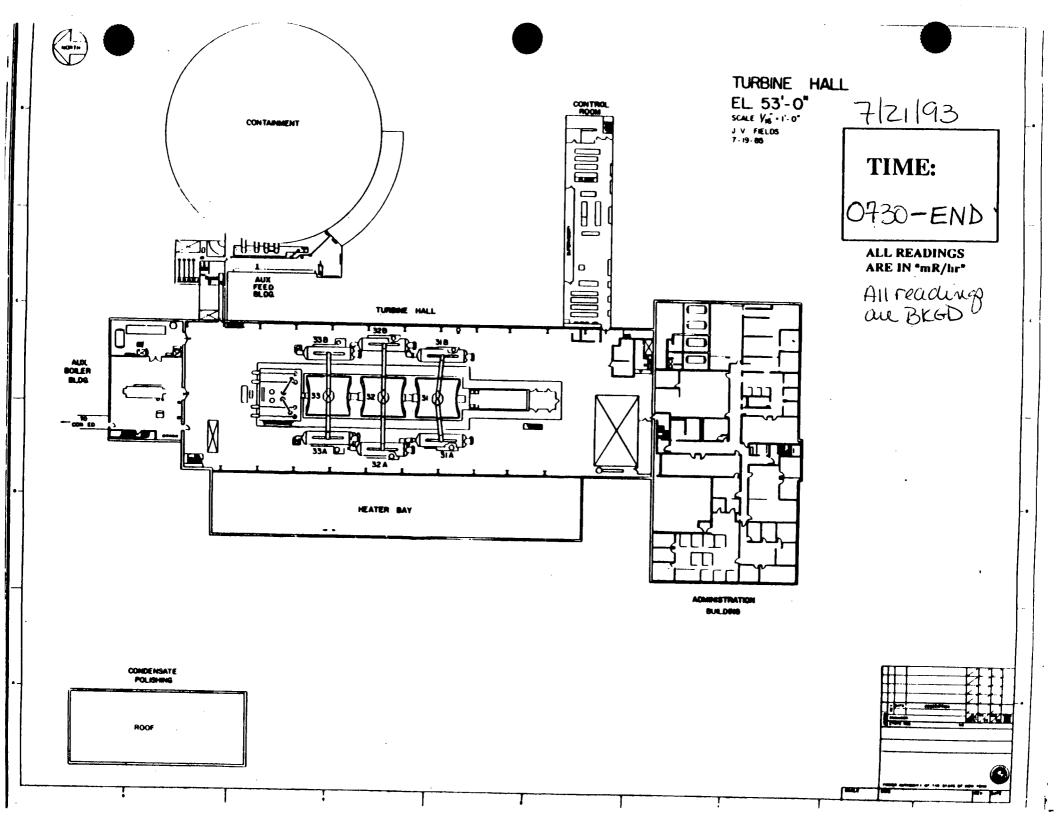




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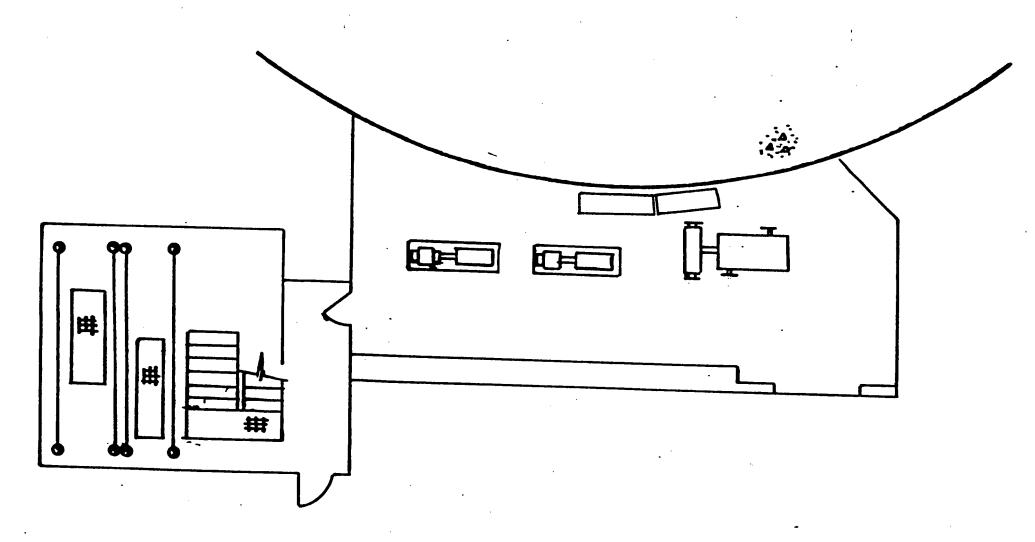






TIME: 0730-END

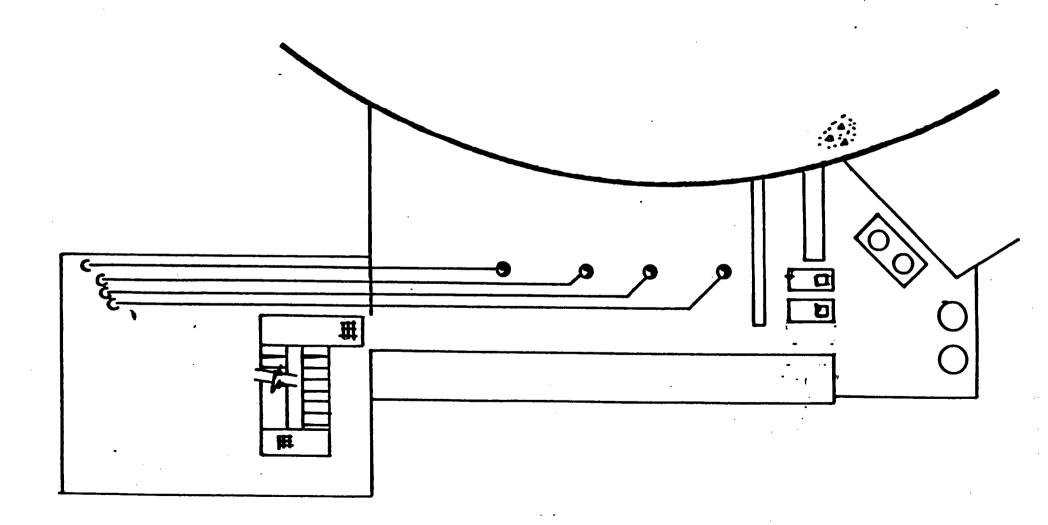
ALL READINGS ARE BACKGROUND

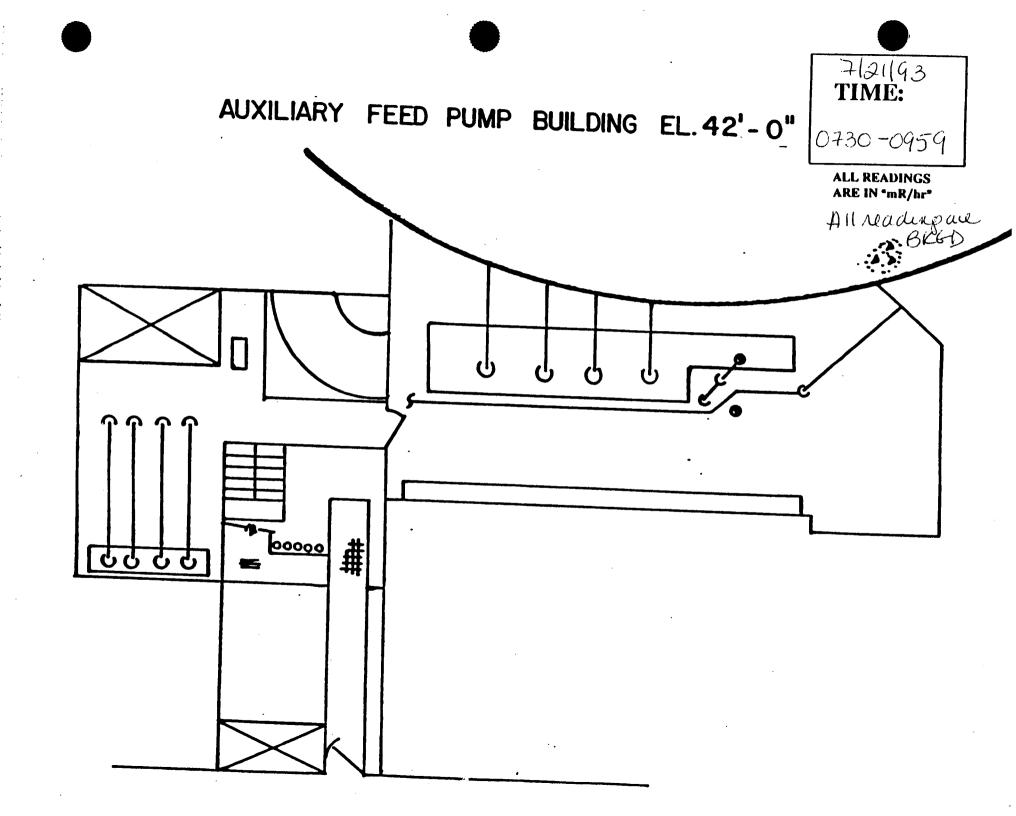


TIME:

0430-END

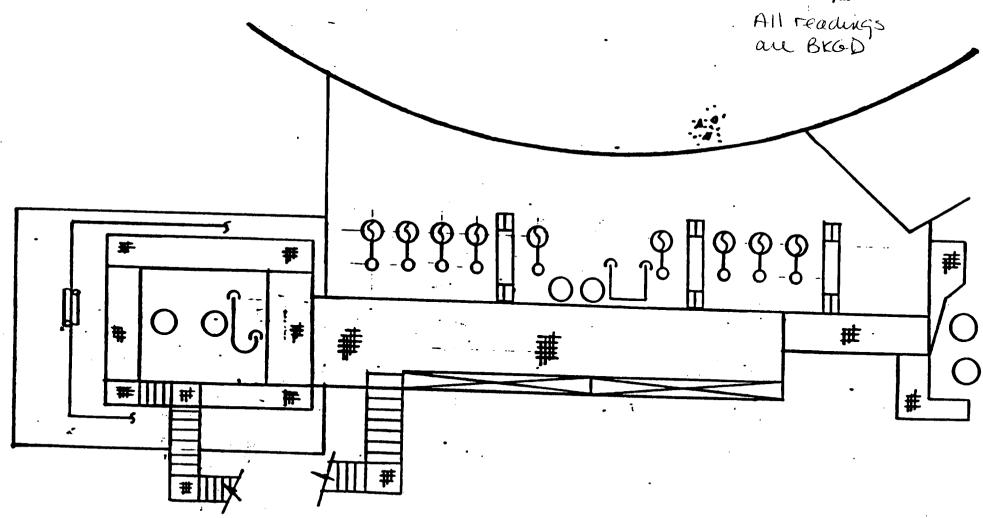
ALL READINGS ARE BACKGROUND

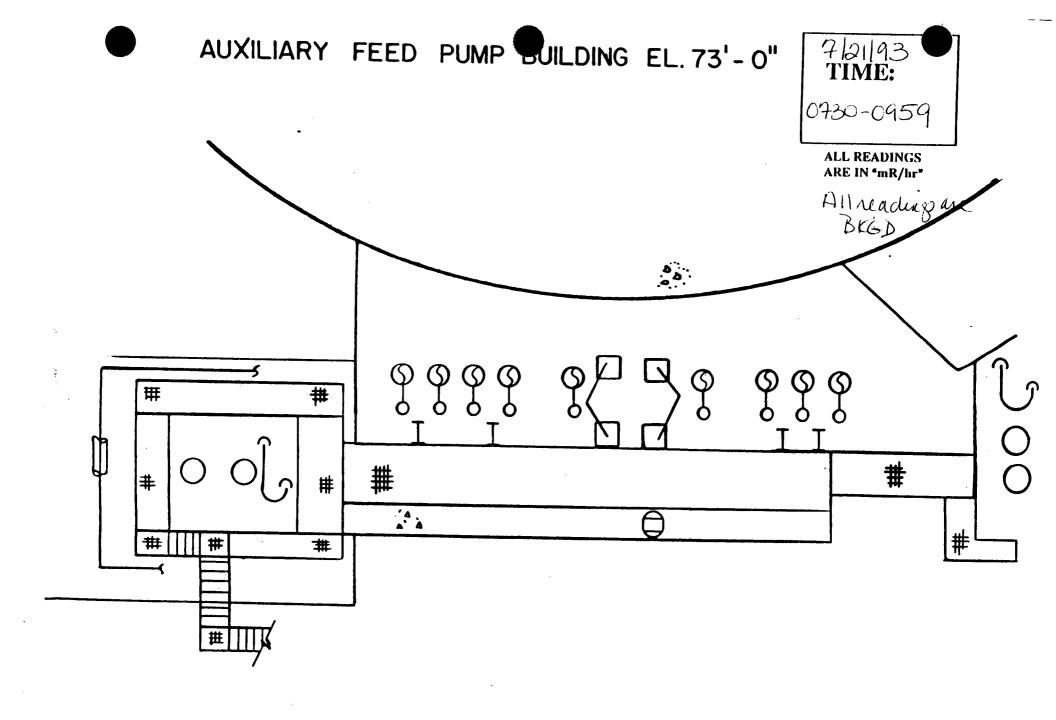


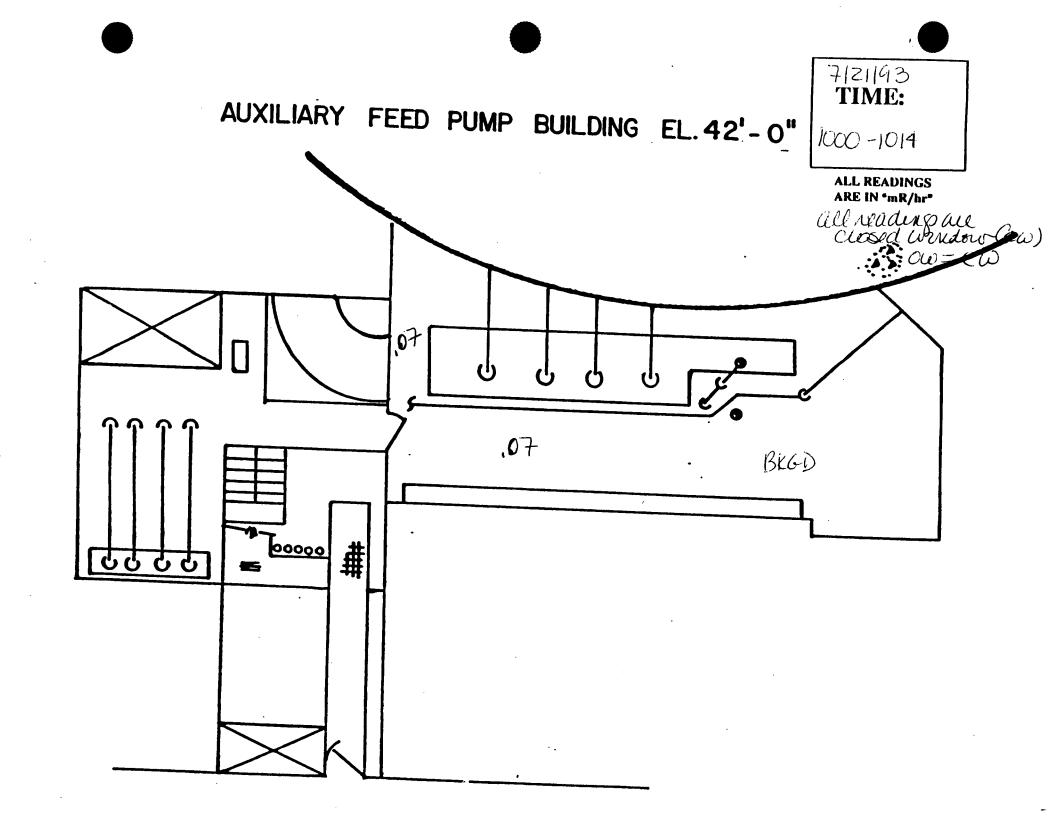


7/21/93 TIME: 0730-0959

> ALL READINGS ARE IN *mR/hr*



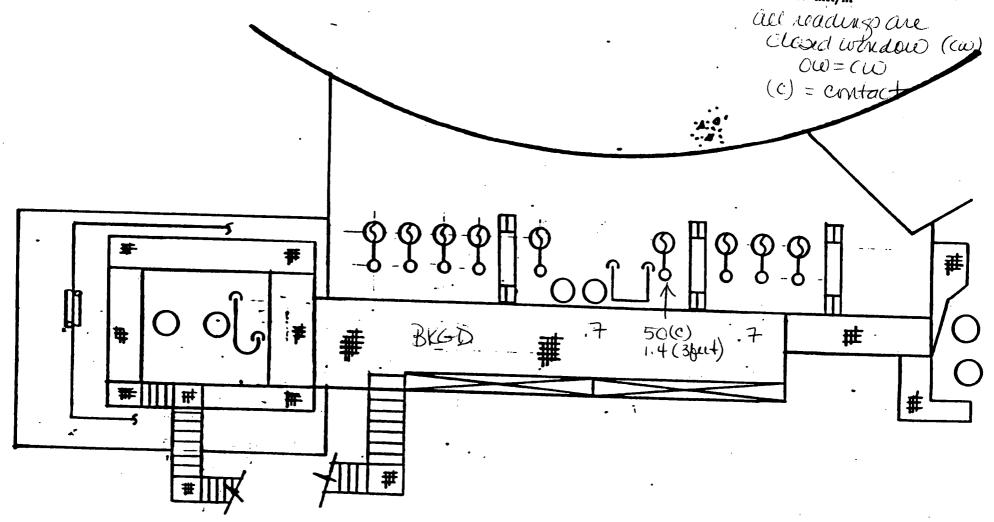


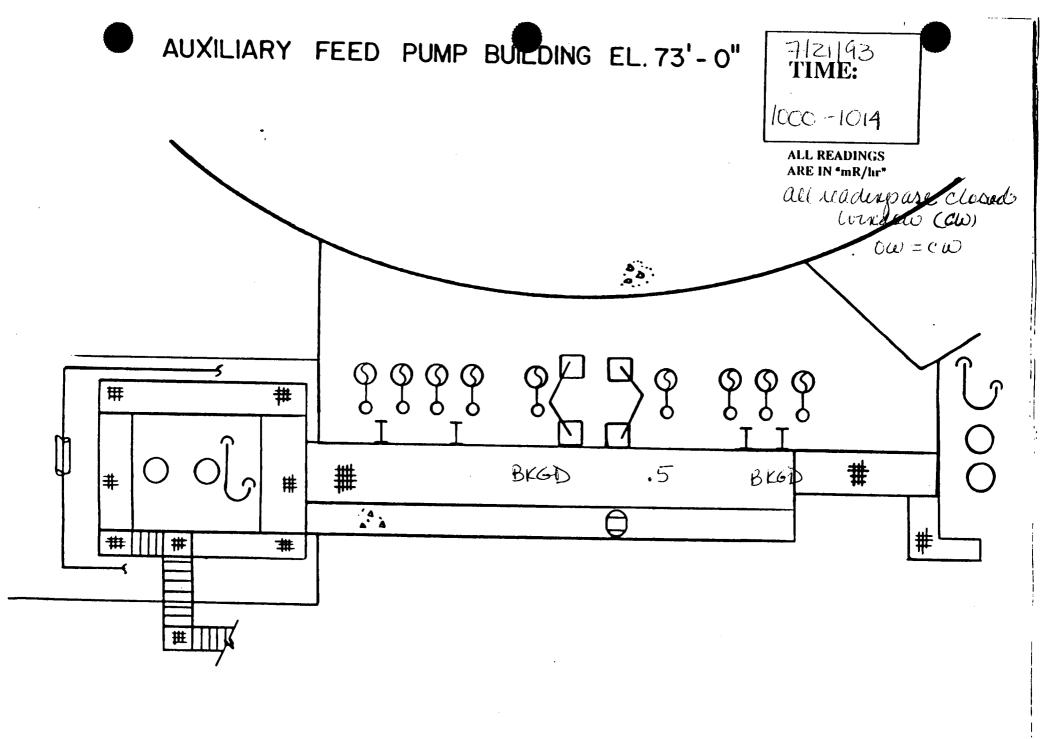


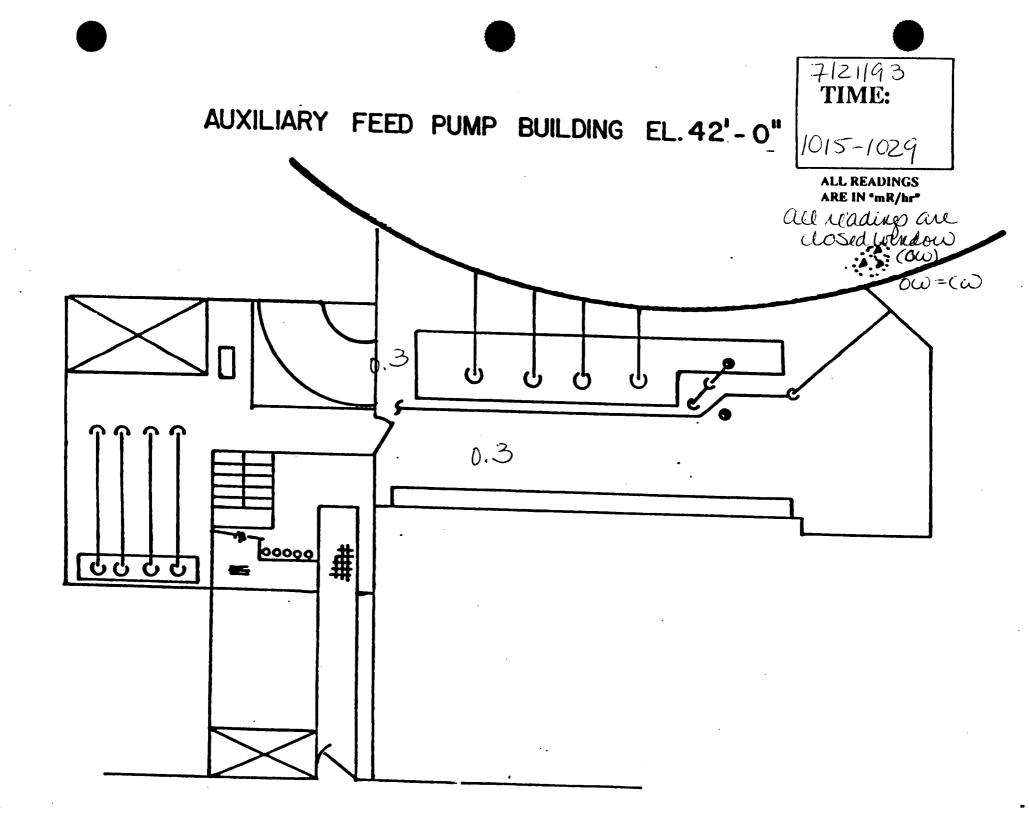
7/21/93 **TIME:**

1000 -1014

ALL READINGS ARE IN "mR/hr"



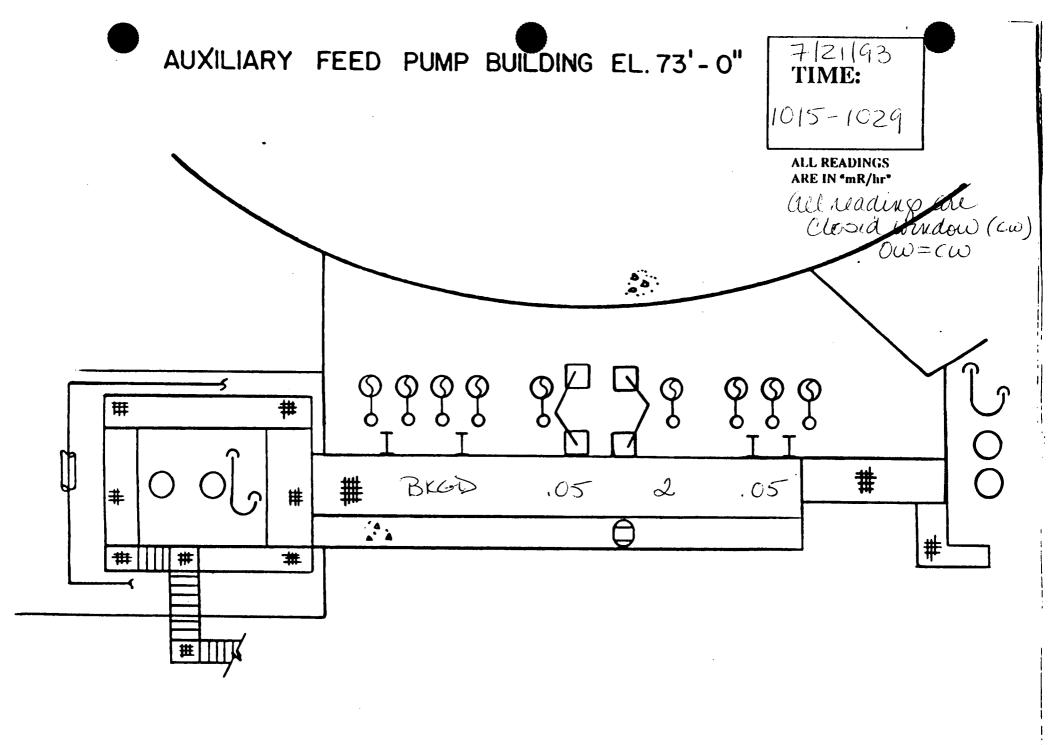


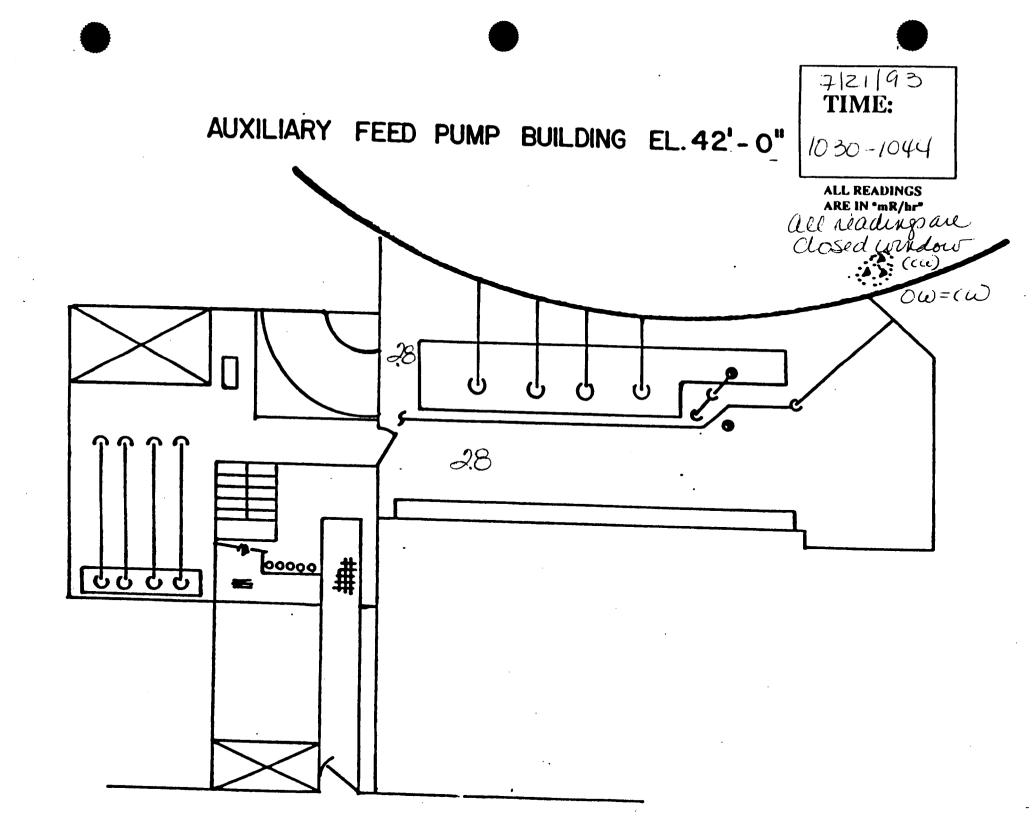


7/21/93 TIME:

1015-1029

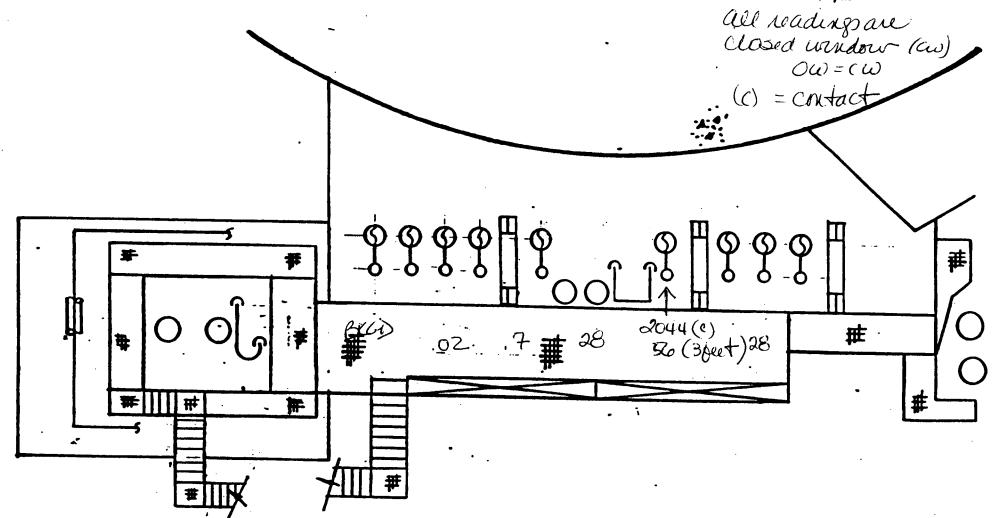
ALL READINGS ARE IN *mR/hr* allreadingare (cw) $0\omega = c\omega$ (c) = contact 6 (3 feet) 3 .08 **±** 3 推· BKGD.

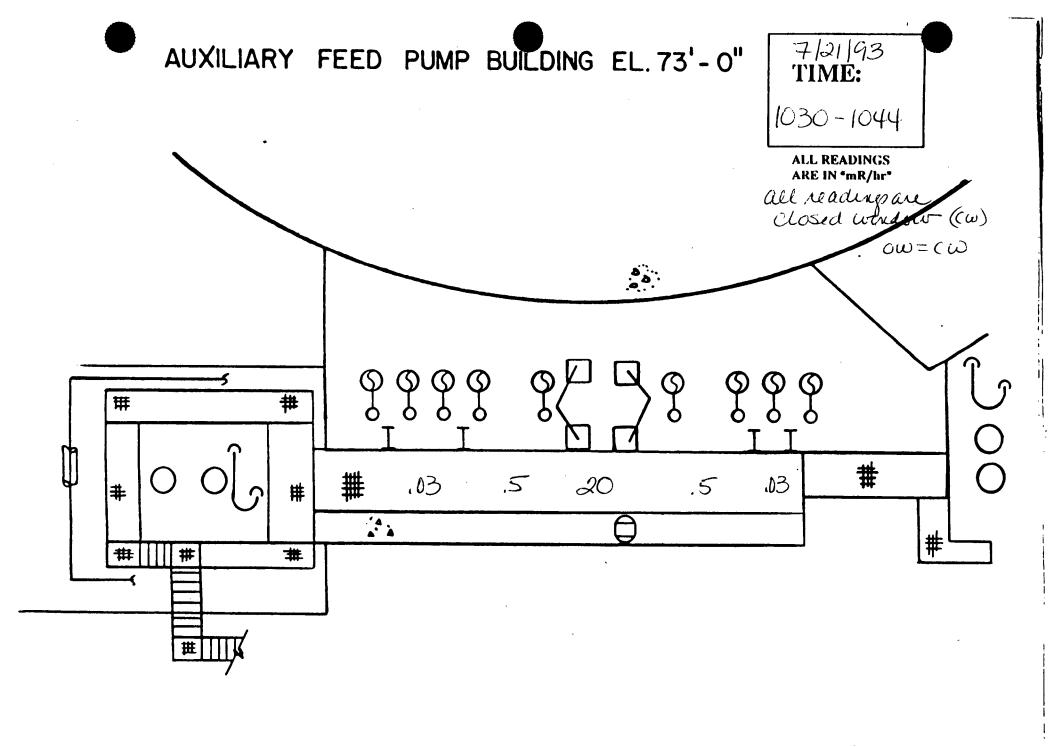




7/21/93 **TIME:** 1030-1044

> ALL READINGS ARE IN "mR/hr"

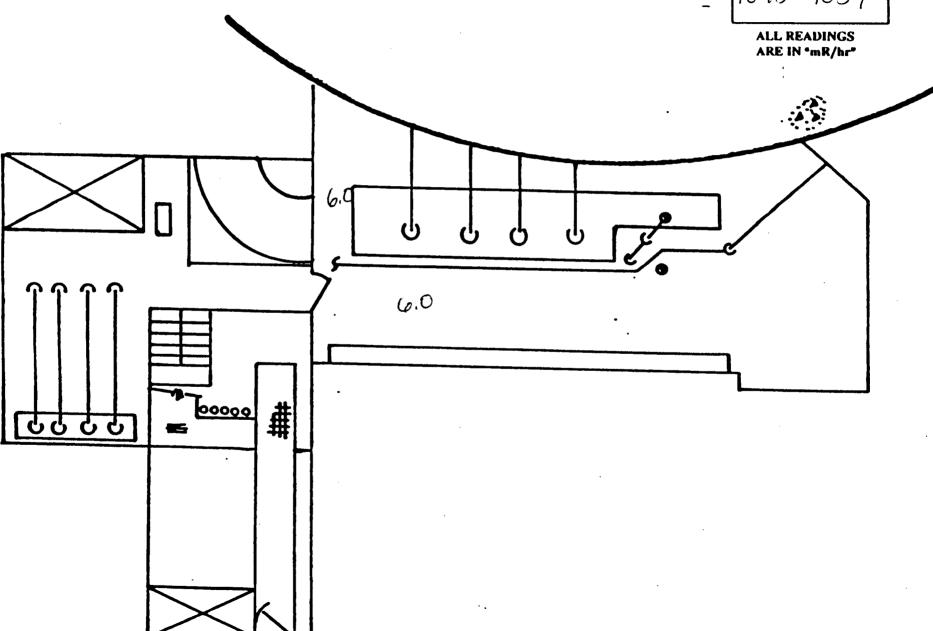




AUXILIARY FEED PUMP BUILDING EL. 42'-0"

7/21/93 TIME:

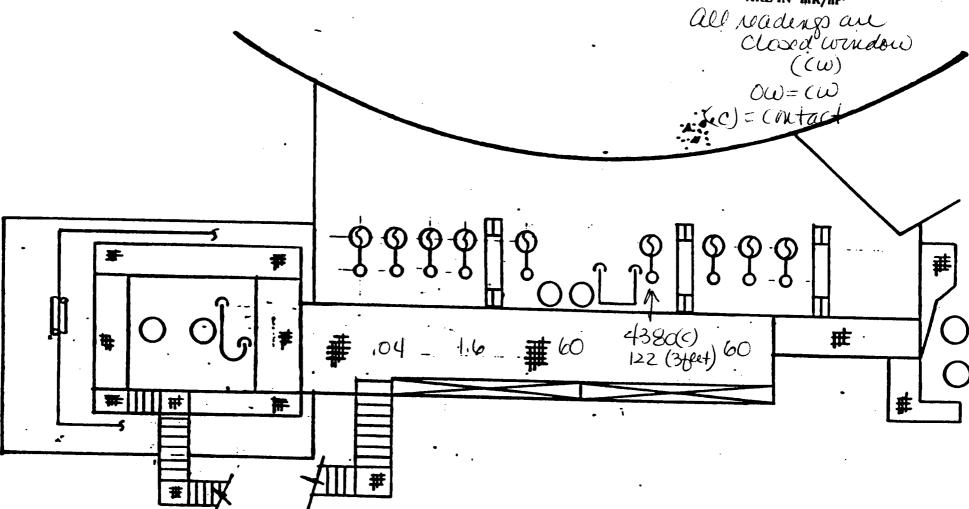
1045-1059

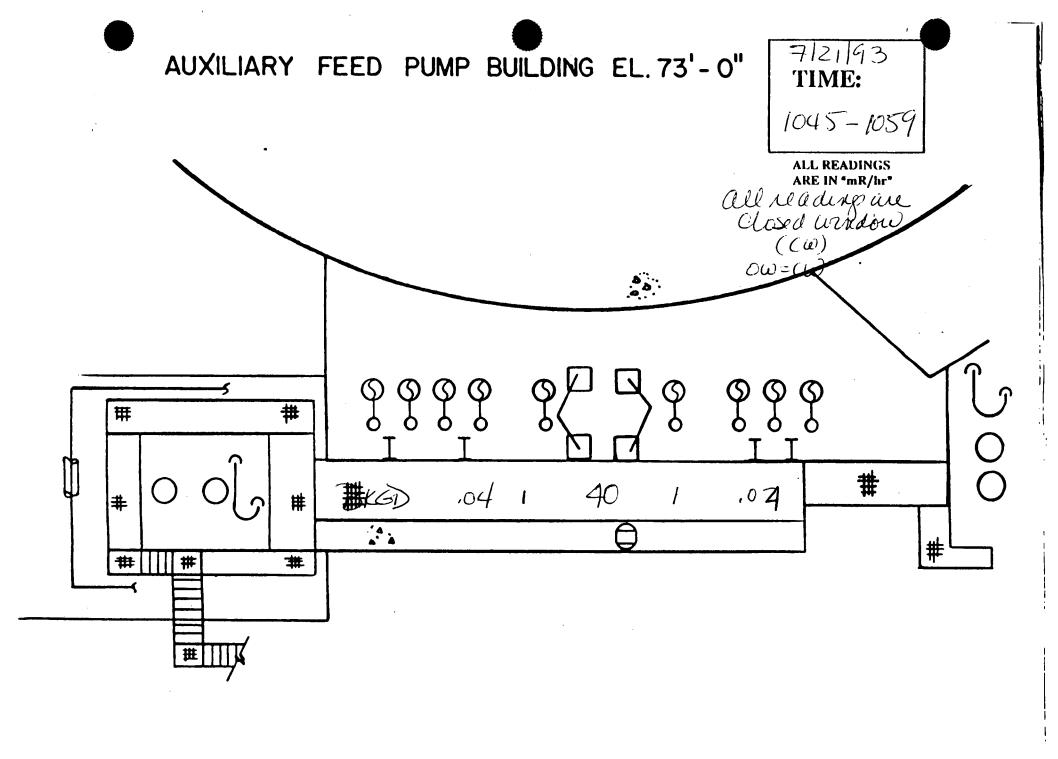


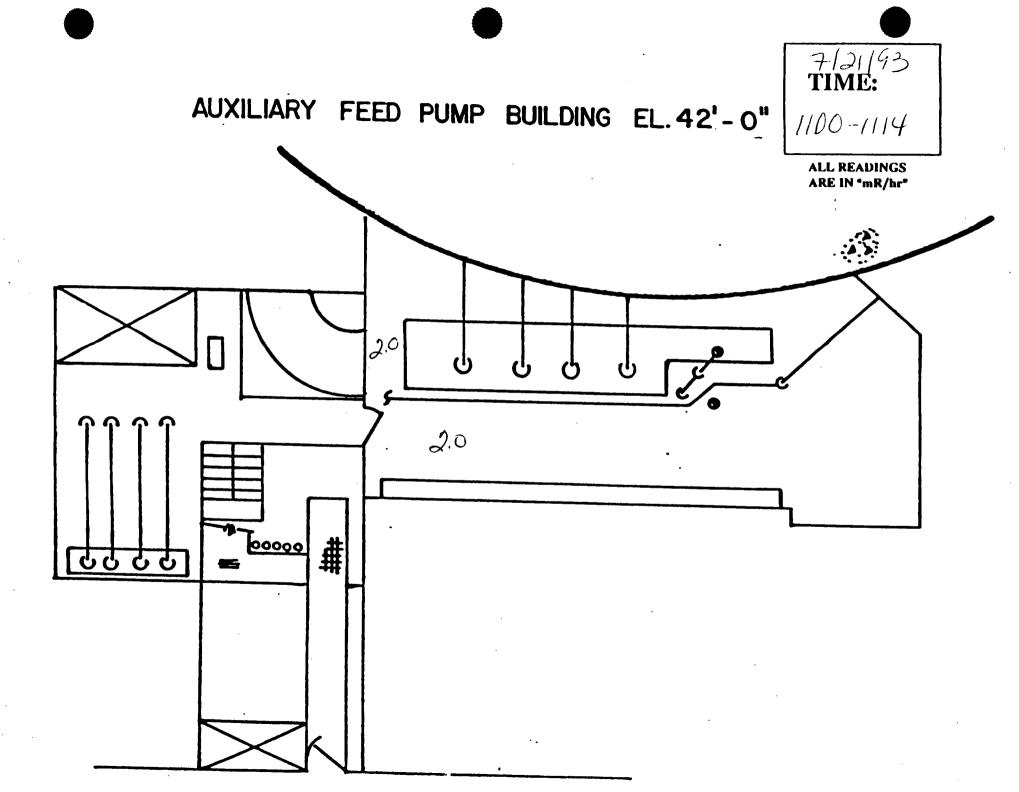
AUXILIARY FEED PUMP BUILDING EL. 64'-0"

7121193 TIME: 1045-1059

> ALL READINGS ARE IN *mR/hr*



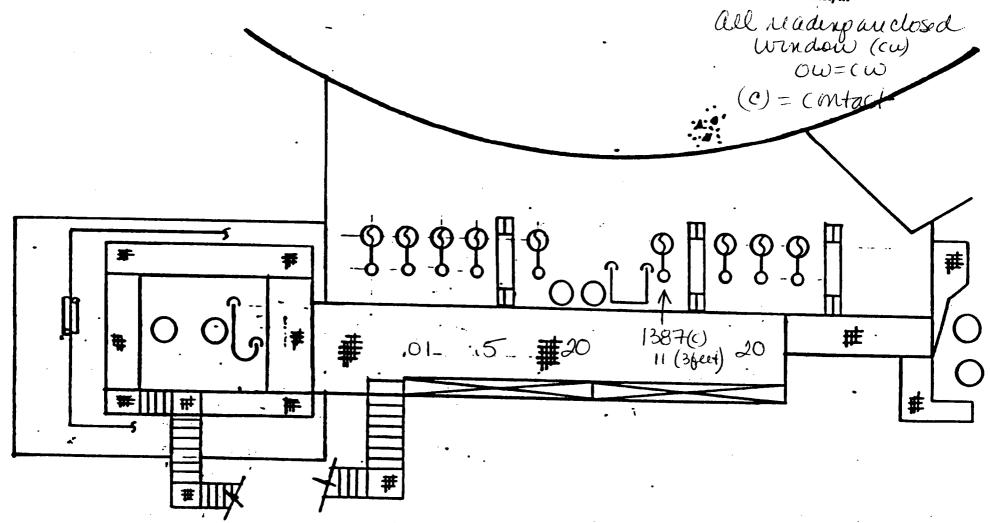


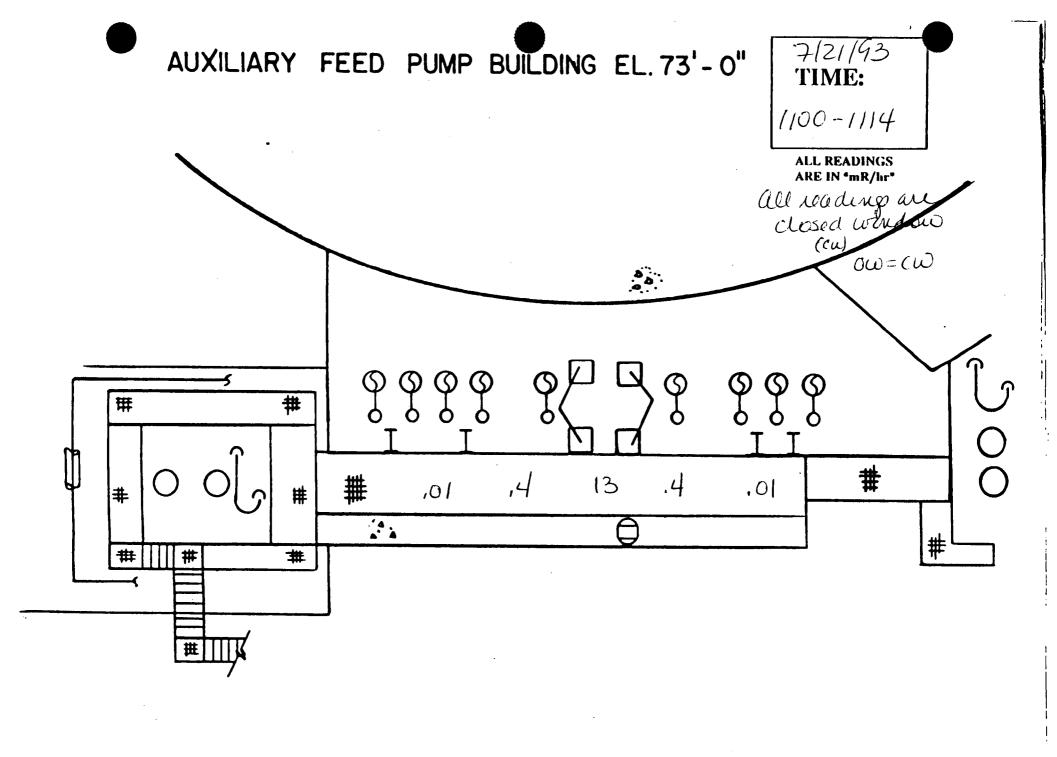


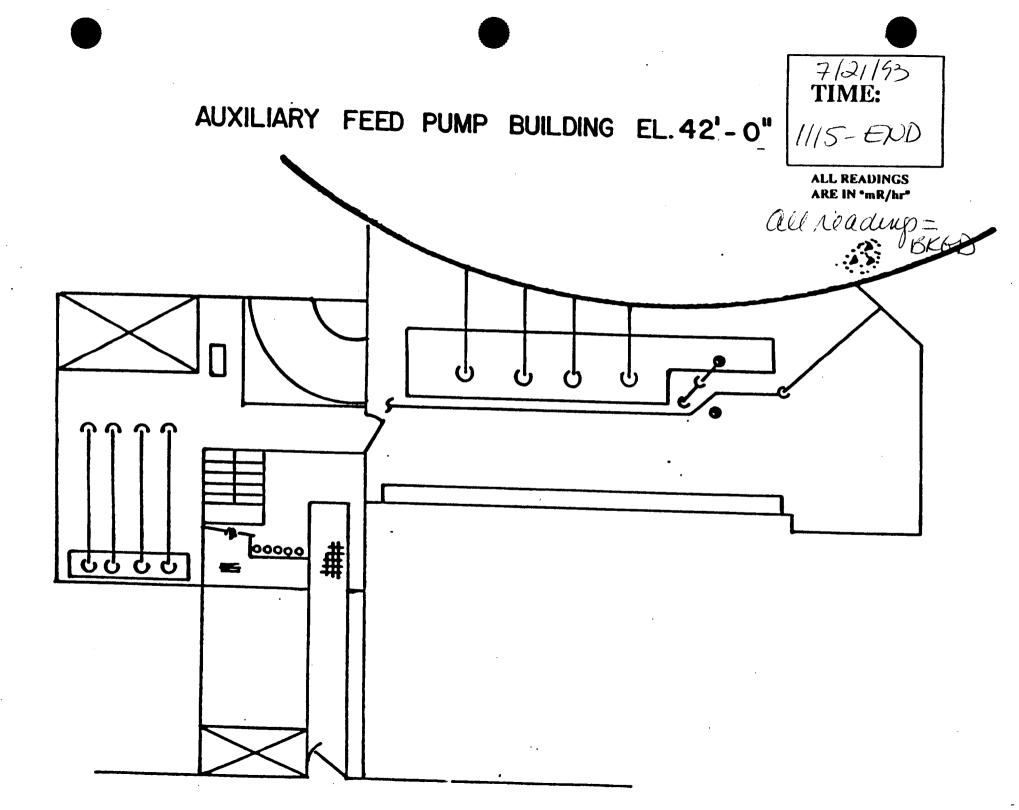
AUXILIARY FEED PUMP BUILDING EL. 64'-0"

7/21/93 TIME: 1/00 -1/14

ALL READINGS ARE IN *mR/hr*



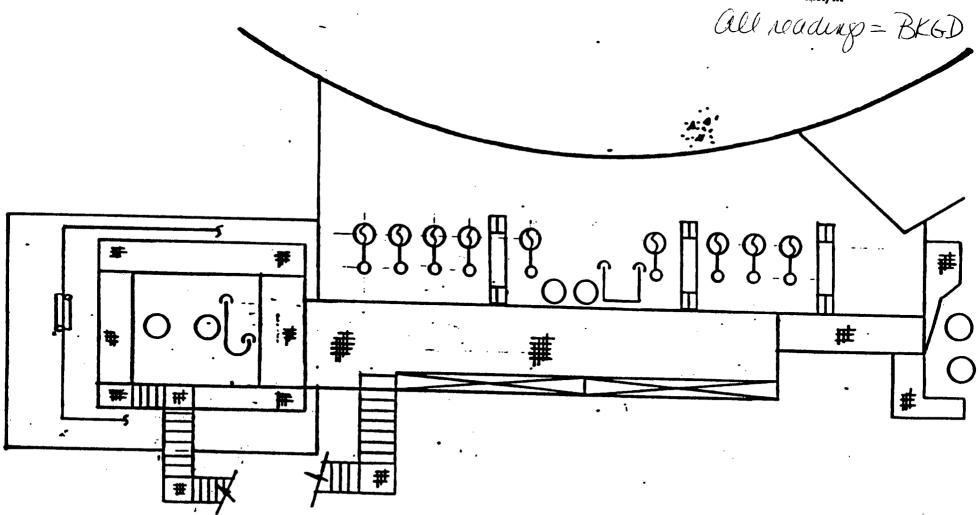


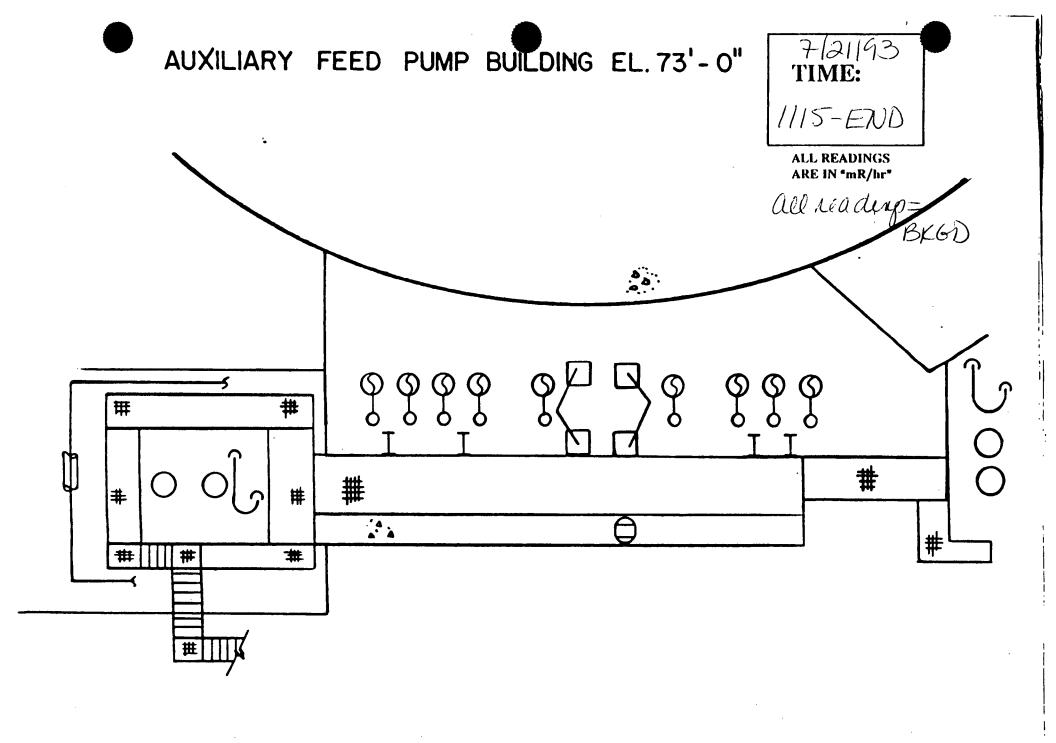


AUXILIARY FEED PUMP BUILDING EL. 64'-0"

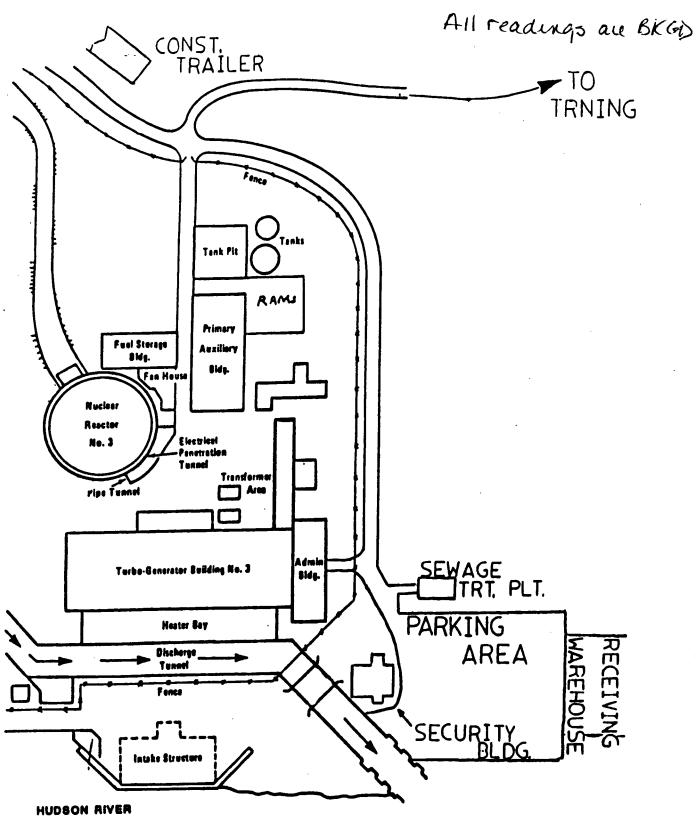
7/21/93 TIME: ///5-END

> ALL READINGS ARE IN *#R/hr*





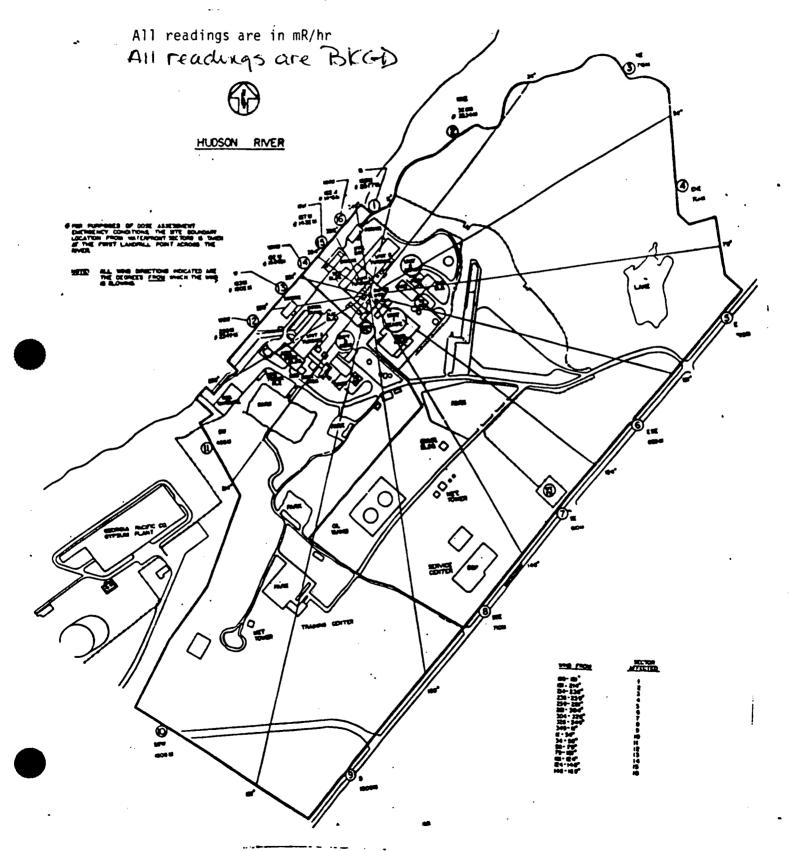
TIME
ONSITE SURVEY MAPS
ONSITE SURVEY MAPS





Date: 7/21/93

Time: 0730-0959



ONSITE SURVEY MAPS All readings an in CONST. TRAILER **T**0 BKGD TRNING All reading are chood window (cw) BKGD 0W=(WXZ Tank Pit RAMI frimery Fuel Storage Auzillery SWg. -Fee House E lectrical Penetration Transformer SEWAGE TRT, PLT. Side. PARKING Heater Bey AREA SECURITY BLDG lauke Streeters

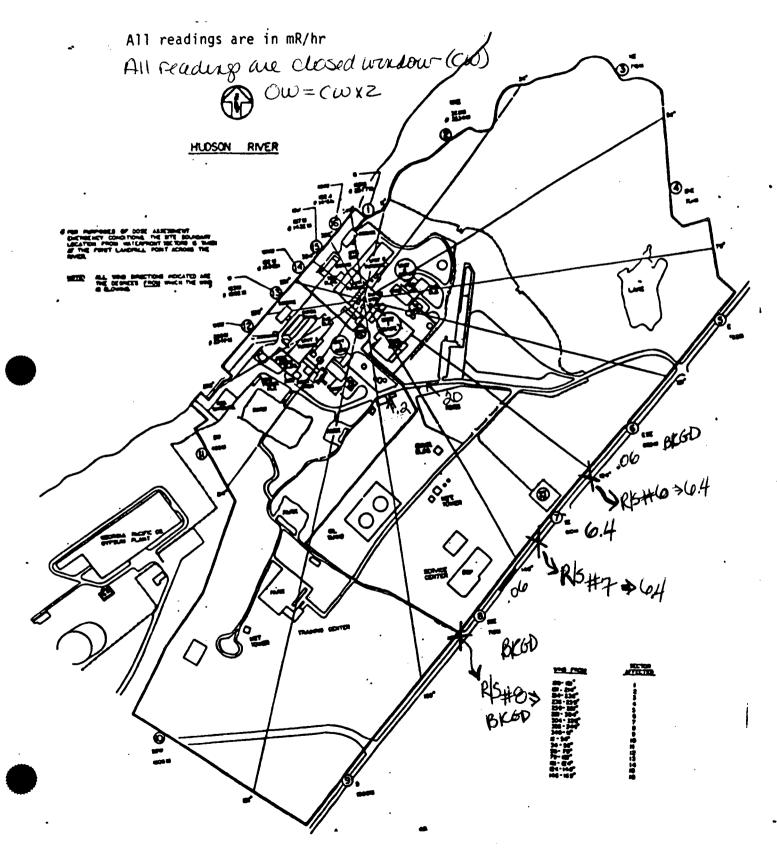
7/21/93

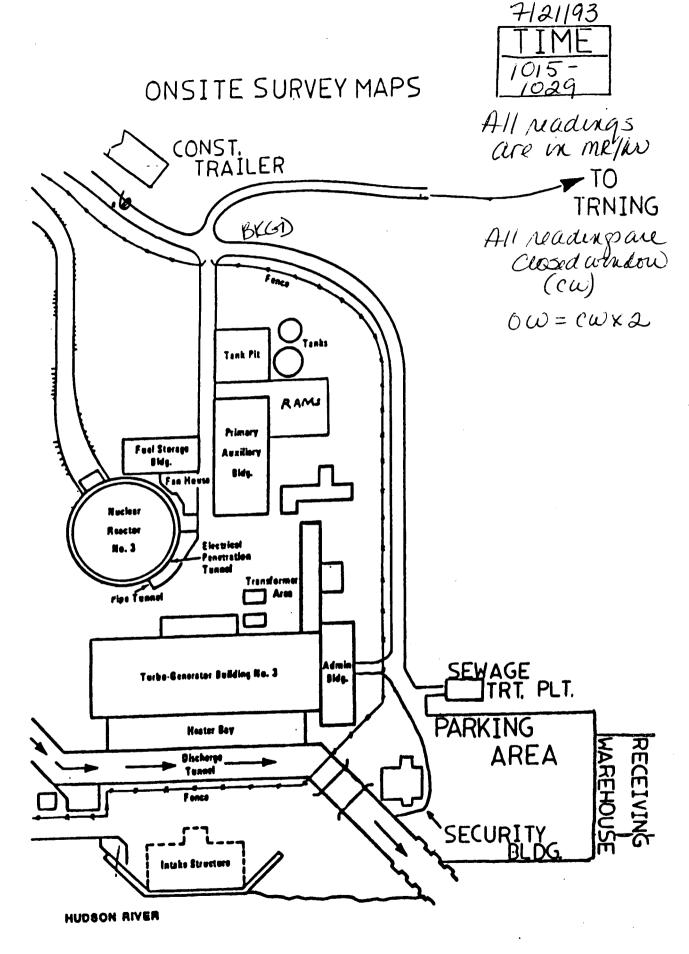


HUDSON RIVER

Date: 7/21/93

Time: 1000-1014



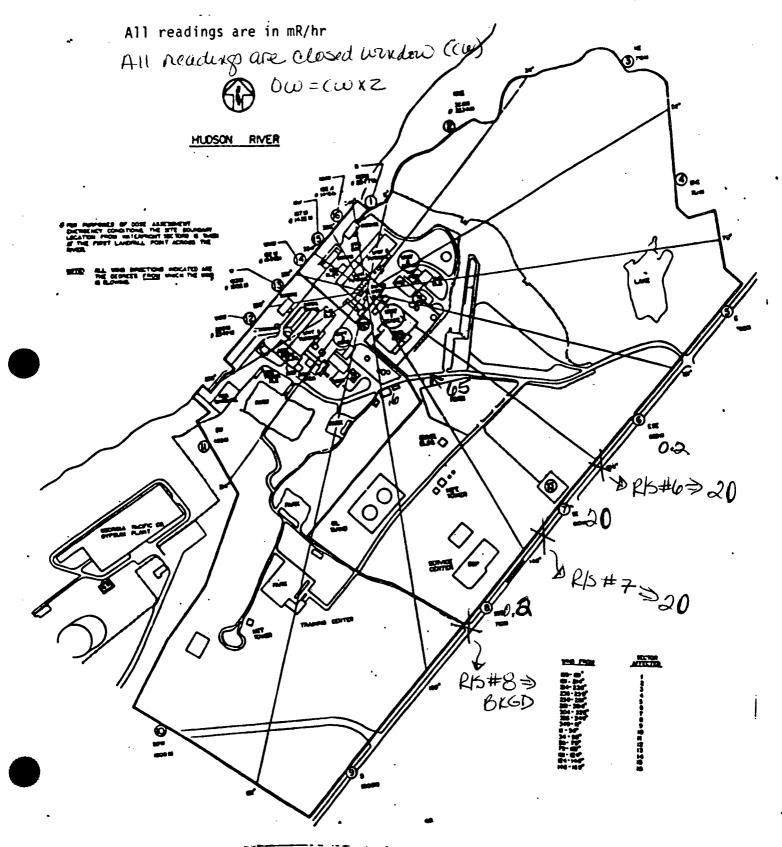




Date: 7/21/93

Time: 1015-1029

1



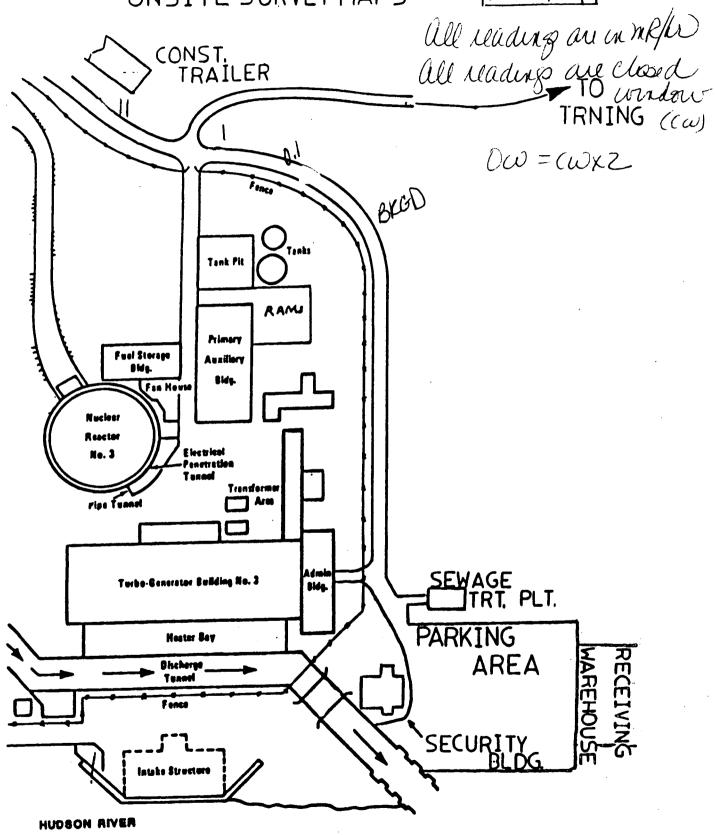
1030-1044 ONSITE SURVEY MAPS All readings are Closed window (ca) CONST. TRAILER Oω = (w*8 TRNING Tank Pit RAMI frimary Fuel Storage INg. Fan House Electrical Penetration Transformer Arm SEWAGE TRT, PLT. Bldg. PARKING Heeter Bey AREA SECURITY BLDC lauke Streeture HUDSON RIVER

7/21/93



ONSITE SURVEY MAPS

7/21/93 TIME 1045-1059





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

<u>time</u>	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	4		
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	С			
0930	290	3.0	С			
0945	300	3.0	C			
1000	310	3.0	C	290	, 7	. C
1015	310	3.0	С			
1030	310	3.0	С			
1045	310	3.0	c c c c			
1100	310	3.0	С	300	7	. C
1115	310	3.0	C			
1130	310	3.0	Ğ∴ 'Ċ C			
1145	310	3.0	'È			
1200	310	3.0	С	310	7	C
1300				310	į	j
1400				320		
1500				320		
1600				330		i
1700				340		
1800				345		
1900				350		İ
2000				360		
2100				İ		
2200						
2300					•	
2400						
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0600				. v	•	