FORD 2

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9210300061 DOC.DATE: 92/10/08 NOTARIZED: NO DOCKET #
FACIL:50-244 Robert Emmet Ginna Nuclear Plant, Unit 1, Rochester G 05000244

AUTH.NAME	AUTHOR AFFILIATION
POLFLEIT,P.S.	Rochester Gas & Electric Corp.
BACKUS,W.H.	Rochester Gas & Electric Corp.
WATTS,R.J.	Rochester Gas & Electric Corp.
RECIP.NAME	RECIPIENT AFFILIATION

SUBJECT: "Rochester Gas & Electric Corp Ginna Station 1992 Plume Exposure Emergency Preparedness Exercise 921008."

DISTRIBUTION CODE: DF01D COPIES RECEIVED:LTR 0 ENCL 1 SIZE: 420
TITLE: Direct Flow Distribution: 50 Docket (PDR Avail)

NOTES:License Exp date in accordance with 10CFR2,2.109(9/19/72). 05000244
see Rpts

	RECIPIENT ID CODE/NAME	COPIES LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES ENCL
INTERNAL:	NUDOCS-ABSTRACT	1	1	REG FILE	01	1	1
EXTERNAL:	NRC PDR	1	1	NSIC		1	1

Rec'd 10/29/92

R I D S / F O R D 2 D O C U M E N T

NOTE TO ALL "RIDS" RECIPIENTS:

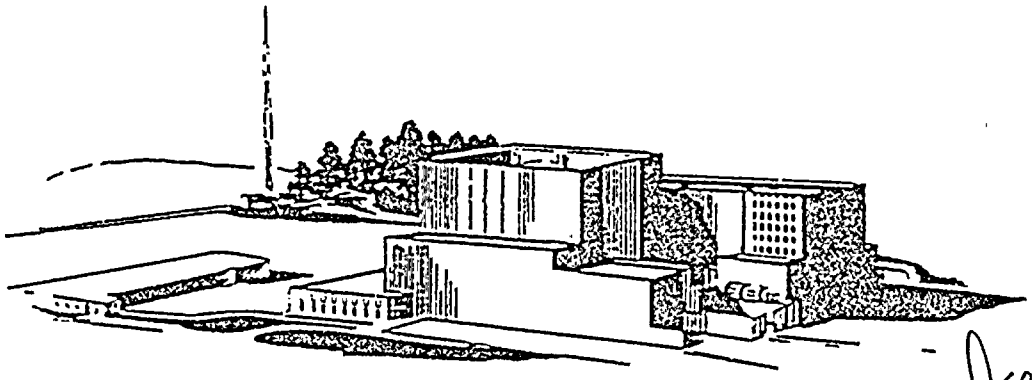
PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK. ROOM P1-37 (EXT. 504-2065) TO ELIMINATE YOUR NAME FROM DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR 4 ENCL 4

EC

ROCHESTER GAS AND ELECTRIC

1992 GINNA STATION PLUME EXPOSURE EXERCISE OCTOBER 8



DF01
0/1
Rec'd
10/29/92

THE ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

EMERGENCY PREPAREDNESS EXERCISE MANUAL

1992 PLUME EXPOSURE EMERGENCY PREPAREDNESS EXERCISE

(FINAL REVISION)

October 8, 1992

Prepared By:

9/25/92
Peter S. Polfleit

Wesley H. Backus (9-25-92)
Wesley H. Backus

Reviewed By:

Richard J. Watts (9/25/92)
Richard J. Watts

Approved By:

Richard J. Beldue (9/28/92)
Richard J. Beldue

(Emergency Planning Milestone Committee)

CONTROLLED COPY NO. ___

RECEIVED-REGION

'92 OCT 15 A11:16

ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

1992 PLUME EXPOSURE EMERGENCY PREPAREDNESS EXERCISE

FOREWORD

This Exercise package has been developed to provide the basis for the conduct of a simulated radiological accident at the Ginna Station located in Ontario, New York. Through this Exercise, the capabilities and effectiveness of the Emergency Response Plans for the Rochester Gas and Electric Corporation, the State of New York, and Monroe and Wayne Counties will be evaluated. This package is to be utilized by the Exercise Controllers and observers to initiate, control and evaluate the activities of the participants in the Exercise.

The Rochester Gas and Electric Corporation approves this document as the standard for conduct in performance of the October, 1992 Emergency Preparedness Exercise.

INTRODUCTION

The Nuclear Emergency Response Plan (NERP) describes the emergency response capabilities for a nuclear emergency at the Ginna Station, including support from Federal, State, and local government agencies and private organizations. The Nuclear Emergency Response Plan provides for continuous emergency preparedness, including an annual Exercise.

The purpose of the Plume Exposure Emergency Preparedness Exercise is to activate and evaluate major portions of the emergency response capabilities and other aspects of the Emergency Plan and associated Emergency Plan Implementing Procedures, in accordance with Nuclear Regulatory Commission (NRC) Regulation 10CFR50.47(b) and Appendix E. This Exercise will be with the participation of the State of New York, and the Counties of Wayne and Monroe in order to assess State and Local Government Agency Emergency Response. The conduct and evaluation of the Exercise provide additional training for the Plume Exposure Pathway emergency response organization personnel and a means to further enhance Rochester Gas and Electric Corporation's emergency response capability.

This Exercise Manual has been developed to provide the basis for the conduct of a simulated radiological accident at the Ginna Station facility located in Ontario, New York. This manual is to be utilized by the Exercise Controllers to initiate, control, and evaluate the activities of the participants in the Exercise. Exercise "players" will not have prior knowledge of the nature of the simulated incident or any parts thereof such as radiological plume release information, including times, content, size and weather pattern used.

This Exercise Manual is the control mechanism for the conduct of the Exercise and consists of two parts. Part I provides a general description and overview of the emergency Exercise. Part II contains the scenario and time schedule of simulated plant conditions. The Exercise Manual is subject to a limited, controlled distribution.

SCENARIO DEVELOPMENT COMMITTEE *

Wes Backus
Richard Beldue
Richard Biedenbach
William Dillon
Dan Hudnut
James Knorr
Frank Orienter
Peter Polfleit
Frank Puddu
James Regan
Richard Watts
Terry White
James Zulawski
Dennis Behr (EEM)

* As authorized by the Emergency Planning Milestone Committee

GINNA STATION

1992 PLUME EXPOSURE EMERGENCY PREPAREDNESS EXERCISE

TABLE OF CONTENTS

TABLE OF CONTENTS (Cont'd)

TABLE OF CONTENTS (Cont'd)

LIST OF FIGURES

SECTION 3.0

SECTION 9.0

SECTION 10.0

TABLE OF CONTENTS (Cont'd)

LIST OF TABLES

SECTION 1.0

SCOPE AND OBJECTIVES

1.0 SCOPE AND ONSITE OBJECTIVES - PLUME EXPOSURE PATHWAY

1.1 Scope

The 1992 Emergency Preparedness Plume Exposure Pathway Exercise will simulate accident events culminating in a radiological accident resulting in the activation of onsite and offsite facilities. The Exercise will involve events that test the effectiveness of the Ginna Station Emergency Preparedness Program and the integrated capabilities of certain elements of the State of New York, Wayne County and Monroe County emergency organizations. The Exercise will include the partial mobilization of state and local resources to adequately verify their capability to respond to an accident at the Ginna Nuclear Power Plant.

1.2 Onsite Objectives for the 1992 Ginna Evaluated Plume Exposure Pathway Exercise

The major objective of the Exercise is to demonstrate the response capabilities of the Rochester Gas and Electric Corporation Emergency Organization. Within this overall objective, numerous individual objectives are specified as follows:

1.2.1 Demonstrate the ability to mobilize, staff and activate Emergency Response Facilities promptly.

1.2.2 Demonstrate the ability to fully staff facilities and to maintain staffing on an around-the-clock basis through the use of relief shift rosters (limited shift changes may occur to allow for operational restrictions).

1.2.3 Demonstrate the ability to make decisions and to coordinate emergency activities.

1.2.4 Demonstrate the adequacy of facilities and displays and the utilization of procedures to support emergency operations.

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

1.2.6 Demonstrate the ability to mobilize and deploy Radiation Survey Teams.

1.2.7 Demonstrate the appropriate equipment and procedures for the determination of ambient radiation levels.

1.2.8 Demonstrate the proper use of appropriate equipment and procedures for measurement of airborne radioiodine concentrations as low as 1.0 E-7 uCi/cc in the presence of noble gases.

1.2.9 Demonstrate the ability to project dosage to the public via plume exposure, based on Plant and field data, and to determine appropriate protective measures, based on plant conditions, Protective Action Guidelines, available shelter, evacuation time estimates, expected release duration, and other appropriate factors.

1.2.10 Demonstrate the ability to notify offsite officials and agencies within 15 minutes of declaration of an emergency.

1.2.11 Demonstrate the ability to periodically update offsite officials and agencies of the status of the emergency based on data available at Ginna Station.

1.2.12 Demonstrate the ability to notify emergency support pools as appropriate (i.e., INPO, ANI, etc.).

1.2.13 Demonstrate the ability to notify onsite personnel using plant alarms and public address systems.

1.2.14 Demonstrate the organization's ability to assess plant parameters and symptoms indicative of degrading plant conditions, and relate such symptoms to prescribed Emergency Action Levels.

1.2.15 Demonstrate the organization's ability to properly classify emergency conditions.

1.2.16 Demonstrate the organizational ability and resources necessary to manage an accountability of personnel within the restricted area.

1.2.17 Demonstrate the organizational ability and resources necessary to control access to the site.

1.2.18 Demonstrate the ability to continuously monitor and control emergency workers' exposure.

1.2.19 Demonstrate the adequacy of facilities and displays to support the Joint Emergency News Center operations.

1.2.20 Demonstrate the ability to brief the media in a clear, accurate, and timely manner.

1.2.21 Demonstrate the ability to provide advanced coordination of information released to the public.

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

1.2.23 Demonstrate the adequacy of in-plant post-accident sampling techniques and analysis.

1.2.24 Demonstrate the ability to develop preliminary short-term and long-term actions to support plant recovery.

1.2.25 Demonstrate the proper use of back-up communications in the event of selected communications equipment malfunction.

1.2.26 Demonstrate the ability to mobilize principal portions of the licensee emergency organization on an off-hours, unannounced basis. (To be performed as a mustering drill during November, 1992).

1.2.27 Demonstrate the ability to conduct a post-exercise critique which adequately characterizes licensee performance based upon controller and observer assessments.

1.3 Summary of Proposed Activities

Table 1.1 provides a list of proposed RG&E activities.

TABLE 1.1

1992 GINNA STATION EMERGENCY PREPAREDNESS EXERCISE (PLUME EXPOSURE)

PROPOSED ONSITE ACTIVITIES

	RG&E
Notification of Agencies	Actual
Call Up of Personnel	Actual*
Activate Organization	Actual*
Maintain Security	Actual
Conduct Dose Assessment	Actual
Protective Action Recommendations	Actual
Operate Joint News Center	Actual
Dispatch Field Survey Teams	Actual-3**
Obtain PASS Sample	Actual

* Call up of personnel and facility activation will be performed in sequence. A separate, off-hours mustering drill will be conducted during the week of November 9, 1992.

** Field teams will be deployed and will demonstrate appropriate field monitoring techniques and communications with respective emergency response facilities. A minimum of 1 onsite and 2 offsite teams will be deployed.

SIMULATIONS

- Respiratory protection and protective clothing will be simulated by onsite/offsite survey teams. In-Plant teams will don respiratory protection and protective clothing prescribed by Health Physics and Chemistry personnel according to postulated scenario plant conditions.

- In general, Exercise participants should follow applicable plant procedures as closely as possible, and will be stopped by Controllers before actual equipment is manipulated (except PASS). Simulated repairs and other corrective actions should be described to Controller-/Evaluators as fully as possible.

- Actions involving ventilation of gas fumes from Screenhouse (e.g. breaking windows) shall be simulated.

- Security interrogation of suspected individuals shall be simulated. No real employee or contractor names shall be communicated.

1.4 SUMMARY OF PROPOSED OFFSITE ACTIVITIES

It is anticipated that Wayne and Monroe Counties and New York State personnel will participate to perform the following minimum functions:

1. Command and Control
2. Dose Assessment
3. Joint New Center Staffing
4. Protective Action Decisionmaking
5. Communications

SECTION 2.0

EXERCISE INFORMATION

2.0 EXERCISE INFORMATION

2.1 Exercise Participants

The participants in the Exercise will include the following:

2.1.1 ROCHESTER GAS AND ELECTRIC CORPORATION

A. Facilities Management and Support Personnel

1. Simulator Control Room
2. Technical Support Center (TSC)
3. Operations Support Center (OSC)
4. Survey Center (SC)
5. Emergency Operations Facility (EOF)
6. Joint Emergency News Center (JENC)
7. Engineering Support Center (ESC)

B. Emergency Response Teams

1. Radiation Survey Teams (RSTs)
2. First Aid Team (if necessary)
3. Emergency OSC Teams
4. Security Force
5. Post Accident Sampling System (PASS) Team
6. Chemistry/Health Physics Support
7. Fire Brigade (if necessary)

2.1.2 OFFSITE AGENCIES/ORGANIZATIONS

Participation of the following agencies/organizations is expected:

A. Federal

1. Nuclear Regulatory Commission
2. National Weather Service

B. State

1. New York State Emergency Management Office
2. New York State Department of Health
3. New York State Police
4. Other Supporting State Agencies

C. Local

1. Wayne County

2. Monroe County
3. Other Supporting County Agencies

2.2 Exercise Organization

The organization for this Exercise will consist of the Exercise Coordinator, the Controllers, the Players and the Observers, as follows:

2.2.1 The Exercise Coordinator will coordinate Exercise preparations including the development of the scenario and controller input messages. He will control all aspects of the conduct of the Exercise, prepare a consolidated evaluation and critique report at the conclusion of the Exercise, and prepare and follow up on an itemized list of corrective actions recommended as a result of the evaluation and critique.

2.2.2 Controllers are qualified personnel selected to perform functions as follows:

A. A Lead Controller is assigned to each emergency response facility. The Lead Controller is responsible for all Controller, Evaluator and Observer activities for that facility and, if appropriate, its associated teams. Controllers for teams or sub areas of a facility report to the Lead Controller of that facility.

B. The Controllers will deliver "Exercise Messages" to the designated Players at various times and places during the Exercise, inject or deliver additional messages as may be required to initiate the appropriate Player response and keep the Exercise action moving according to the scenario and Exercise objectives, observe the Exercise participants at their assigned locations, and prepare evaluation forms. Controllers/Observers submit written recommendations on corrective actions to the Lead Controller, who in turn summarizes all comments for submittal to the Exercise Coordinator prior to the scheduled critique. The Controllers will be provided with a list of instructions in the Exercise scenario.

C. Persons designated as Controllers/Observers for a given function will also be assigned as Evaluators of that function when feasible. Evaluators will record their observations using an evaluation form and provide recommendations on corrective actions to the Lead Controller in whose facility they evaluate exercise performance on the basis of standards or requirements contained in the appropriate Emergency Plan, Implementing Procedures, and Exercise messages as described herein. They will take steps, whenever possible, to collect data on the time and motion aspects of the activity observed for post-Exercise use for implementing improvements.

Controllers will be identified by wearing green badges with white lettering stating "Controller".

2.2.3 Players include Ginna Station and other Rochester Gas and Electric Corporation personnel assigned to perform emergency functions, as described in the Emergency Plan and Implementing Procedures. Players from offsite organizations and agencies (county, State and private industry) are participants in the Exercise as described in their respective Emergency Plans and Standard Operating Procedures.

2.2.4 Observers from the Rochester Gas and Electric Corporation and other organizations may be assigned to participate in the Exercise solely for the purpose of observing/evaluating Exercise activity. They will be provided with orientation information and appropriate Exercise publications.

Observers will be appropriately identified by wearing arm bands or badges. Federal agency observers will be identified by wearing arm bands or badges with lettering stating "NRC" or "FEMA".

Visitors from the Rochester Gas and Electric Corporation and other organizations may be assigned, on a limited basis, for the sole purpose of observing Exerciseactivities for personal education. They will be provided with orientation information and appropriate Exercise publications.

Visitors will be identified by wearing arm bands or badges stating "Visitor".

2.2.5 Requests to participate as a Visitor should be made in writing and contain the Visitor's full name, home address, phone number and organization affiliation. Requests to participate as Visitors must be submitted to the RG&E Corporate Nuclear Emergency Planner (CNEP) no later than one week before the Exercise.

2.3 Emergency Response Facilities

During the Exercise, special facilities must be activated to manage, assess and support emergency response.

RG&E FACILITIES

The Rochester Gas and Electric Corporation Emergency Response Facilities are:

A. Similator Control Room

The Ginna Simulator Control Room will be used. Control Room emergency response measures will be exercised under the direction of the Exercise Shift Supervisor, acting as the Emergency Coordinator, until relieved by the Plant Manager or alternate. The Simulator Control Room is located in the Simulator Building next to the Ginna Training Center.

B. Technical Support Center (TSC)

When emergency conditions escalate to an Alert status or higher, coordination of the emergency response will shift from the Control Room to the TSC, located off the Mezzanine Level of the Turbine Building. The TSC Director relieves the Shift Supervisor as Emergency Coordinator and directs activities from the TSC. The TSC is the location from which technical management personnel utilize information on Plant status provided in the TSC to support actions being performed in the Control Room. The TSC serves as the primary communications source to the NRC, OSC, EOF and offsite agencies, and will perform other functions of the EOF until the EOF is activated.

C. Operations Support Center

The OSC, which is located in the TSC, provides a location where emergency response teams can be assembled and coordinated during an emergency. The OSC will be activated for emergency conditions classified as an Alert or higher, and may be activated for an Unusual Event at the discretion of the Emergency Coordinator.

D. Emergency Operations Facility (EOF)

The EOF, which is located in the basement of 49 East Avenue in Rochester, will be activated for emergency conditions classified as a Site Area Emergency or General Emergency (optional for the Alert status). The EOF/Recovery Manager directs the activities of the EOF/Recovery Organization from the EOF.

The TSC Emergency Coordinator reports to the EOF/Recovery Manager. The EOF is the command post for coordination of response measures with offsite organizations, assessment of radiological and environmental conditions and determination of recommended protective actions for the public. The EOF also provides direction and management of recovery operations.

E. Joint Emergency News Center (JENC)

The JENC, which is located at 89 East Avenue in Rochester, provides the point of contact for the coordinated release of news and information to the news media and the general public. The JENC is staffed by RG&E Corporation, County, State and Federal officials and will be activated for emergency conditions classified as an Alert, Site Area Emergency or General Emergency.

2.4 Exercise Conduct

2.4.1 Overview

The Exercise will simulate an abnormal radiological incident at Ginna Station which will start with an Unusual Event and escalate to a Site Area Emergency.

During the course of the Exercise, in order to evaluate coordination with appropriate State and local agencies, incidents will arise which require response by offsite emergency response organizations.The Exercise will also simulate an offsite radiological release which will require deployment of Ginna Station, and Wayne County and Monroe County radiological survey teams for offsite monitoring.

The conduct of the Exercise will demonstrate the effectiveness of selected organizations, personnel, functions, and/or activities of the appropriate Emergency Plans and Implementing Procedures. The simulated emergency will then de-escalate. The Recovery Phase will be initiated and the Exercise will then be terminated.

2.4.2 Actions

Emergency response actions during the simulated emergency will include: recognition and classification of emergency conditions; assessment of onsite/offsite radiological consequences; alert/notification and mobilization of emergency response organizations; implementation of in-Plant corrective actions; activation/operation of emergency response facilities and equipment; preparation of reports, messages and record-keeping; and recommendation of protective actions.

2.4.3 Communications

The Exercise will also demonstrate the effective use of communications systems. An actual emergency operation usually requires the extensive use of both telephone and radios. The telephone is the primary means of communication and will be attempted first, with radio as a backup, unless radio is the only means available. Separate telephone numbers will be used for Controller communications to prevent the Players from learning in advance of the situation to which they are to be subjected during the Exercise. Close cooperation and coordination among Controllers is essential due to the number of persons assigned to the Controller role.

RG&E offsite radiation survey teams are equipped with portable radios, and are provided cellular telephones for back-up communications. Survey team controllers are encouraged to use the cellular telephones if clarifications of controller instructions are required while in the field.

2.4.4 Controllers

Lead Controllers will be stationed in the Simulator Control Room, OSC, TSC, EOF, JENC and County EOCs. Only Lead Controllers can modify Exercise messages or initiate free play messages.

A. The Simulator Control Room will be the central point for organization of Exercise messages and is the key to ensuring that the Exercise progresses on schedule. Simulated Plant parameters will be provided to the Simulator Control Room operators either by panel indications displayed in the Simulator Control Room or through plant data and status sheets. Since it is necessary that the emergency escalate to the General Emergency level, it may be necessary to postulate non-credible situations. The operators will accept the Exercise messages as written. If corrective actions are postulated that would terminate the emergency, they should be identified to the Lead Controller in the affected facility so that the scenario will progress as designed. The Exercise Players are expected to "free play" the scenario to the extent practical. Notifications of, and contact with, supervisors, Plant management and offsite agencies will be made in accordance with the Emergency Plan Implementing Procedures.

B. The TSC will be the coordination point for onsite emergency response activities. TSC personnel will also coordinate offsite emergency response activities until activation of the EOF. TSC and EOF personnel will be aware that if the Exercise is to proceed as planned, and if the offsite organizations are to be exercised, it may be necessary to postulate non-credible situations. This is done to ensure that various aspects of the onsite and offsite emergency response organizations are tested. TSC and EOF personnel will accept Exercise messages as written. The intended response is not to explain why a situation could not occur, but to react as though it did occur. If corrective actions are postulated that would terminate the emergency, they should be noted to the Lead Controller.

The Exercise Players in the TSC and EOF are expected to "free play" the scenario to the extent practical. Notifications of, and contact with, supervisors, Plant management and offsite agencies should be made in accordance with the Emergency Plant Implementing Procedures. The scenario is designed to activate onsite and offsite emergency response capabilities.

The Lead Controller may inject other information or change a message to ensure that the Exercise progresses as planned.

2.4.5 Players

The success of the Exercise is largely dependent upon Player reaction, Player knowledge of their appropriate Emergency Plan and Implementing Procedures and an understanding of the purpose of the Exercise. Initial conditions which will affect Player action or reaction will be provided to the Players at the time the Exercise begins. However, most of the elements of the Exercise play will be introduced through the use of controlled Exercise message forms and messages generated by Players as a result of the particular emergency activity performed. Players, therefore, are responsible for initiating actions during the Exercise in accordance with instructions, responsibilities and tasks for their particular function. Each Player will advise his/her Controller prior to performing required emergency actions during the play of simulated activities to ensure that the Player is credited for his/her actions.

Players are reminded not to be excessively concerned with the mechanics or cause of the Exercise scenario. This Exercise is designed to evaluate the Emergency Plan, Implementing Procedures and emergency preparedness training program and not the probability, feasibility or detailed mechanics of the simulated accident. Additionally, the Exercise is a training vehicle for Rochester Gas and Electric Corporation personnel to practice coordinating with outside organizations in a simulated emergency environment. Players should note any needed improvements that come to their attention during the Exercise and submit them to the appropriate Controller at the conclusion of the Exercise.

2.5 Precautions and Limitations

This section provides information for all Exercise Controllers and Observers related to the rules and guidelines to be followed throughout the conduct of this Exercise. Prior to initiation of the Exercise, a pre-Exercise briefing will be held to review the entire Exercise process with all the Exercise Controllers and Observers identified in this manual.

A. Should at any time during the course of the conduct of this Exercise, an actual emergency situation arise, all activities and communications related to the Exercise will be suspended. It will be the responsibility of any Exercise Controller or Observer that becomes aware of an actual emergency to suspend exercise response in his/her immediate area and to inform the Lead Exercise Controller of the situation. Upon notification of an actual emergency, the Lead Exercise Controller may notify all other Controllers/Observers to suspend all Exercise activities. The Lead Exercise Controller will make a determination at that point whether to continue, place a temporary hold on, or terminate the Exercise.

B. Should, at any time during the course of the conduct of this Exercise, an Exercise Controller or Observer witness an Exercise participant undertake any action which would, in the opinion of the Controller/Observer, place either an individual or component in an unsafe condition, the Controller/Observer is responsible for intervening in the individual's actions and terminating the unsafe activity immediately. Upon termination of the activity, the Controller/Observer is responsible for contacting the Lead Exercise Controller and informing him of the situation. The Lead Exercise Controller will make a determination at that point whether to continue, place a temporary hold on, or terminate the Exercise.

C. No pressurization of fire hoses, discharging of fire extinguishers,

or initiation of any fire suppression systems will be required for the Exercise.

D. Manipulation of any Plant operating systems (except for the PASS system), valves, breakers, or controls in response to this Exercise are only to be simulated.There is to be no alteration of any Plant operating equipment, systems or circuits during the response to this Exercise.

E. All repair activities associated with the scenario will be simulated with extreme caution emphasized around operating equipment.

F. All telephone communications, radio transmissions and public address announcements related to the exercise must begin and end with the statement, "This is an exercise". Should a Controller or Observer witness an Exercise participant not observing this practice, it is the Controller's/Observer's responsibility to remind the individual of the need to follow this procedure.

G. Any motor vehicle response to this Exercise, whether it be ambulance, fire fighting equipment, police/security vehicles or field monitoring teams, should observe all normal motor vehicle operating laws included posted speed limits, stop lights/signs, one way streets, etc.

H. Should any onsite security actions be required in response to this Exercise, participants are to cooperate as directed by the Security Force, and security representatives are to be prudent and tolerant in their actions.

I. Exercise participants are to inject as much realism into the Exercise as is consistent with its safe performance; however, caution must be used to prevent over-reaction.

J. Care must be taken to assure that any non- participating individuals who may observe Exercise activities or overhear Exercise communications are not misled into believing that an actual emergency exists. Any Exercise Controller or Observer who is aware of an individual or group of individuals in the immediate vicinity who may have become alarmed or confused about the situation, should approach that individual or group and explain the nature of the Exercise and its intent.

2.6 Evaluation and Critique

The Exercise will be evaluated by Controllers/Observers who have

expertise in, or qualifications to evaluate the activity in their assigned location. Controllers/Observers will evaluate Exercise performance on the basis of requirements contained in the Emergency Plan Implementing Procedures and Exercise messages.

Controllers/Observers will prepare evaluation forms and provide recommendations on corrective actions to the Exercise Coordinator.

After the Exercise is completed, the Exercise Coordinator will conduct a post-Exercise critique. Deficiencies in the Emergency Plan, Implementing Procedures, emergency preparedness training program, facilities, equipment and/or other areas will be identified through the critique process. The deficiencies will be documented by the Exercise Coordinator and corrected by the individuals who have responsibility in the area of the identified deficiency.

Controller and Observer information is contained in Section 5.0.

The schedule for the critiques is shown in Section 6.0.

SECTION 3.0

TRAVEL INFORMATION

3.0 TRAVEL INFORMATION

This section of the Ginna Station Exercise Manual provides travel information to those individuals from RG&E, other utilities, local/State/Federal government, and/or other organizations who will participate/observe the Exercise.

Permission for Visitors to observe the Exercise must be obtained from:

Corporate Nuclear Emergency Planner
Rochester Gas and Electric Corporation
49 East Avenue
Rochester, NY 14649-0001.

3.1 Directions to Ginna Nuclear Station

Ginna Station is located on the southern shore of Lake Ontario in Wayne County, New York, approximately 24 miles northeast of Rochester, New York (see Figure 3.1).

3.1.1 Air

Several airlines provide passenger service to the Rochester-Monroe County International Airport.

3.1.2 Car

A. Several car rental agencies are available at the Rochester-Monroe County International Airport to provide rental vehicles for ground transportation to Ginna Station.

B. Persons traveling from the Rochester-Monroe County International Airport via auto should take Route 204 East to Route 390 South. Route 390 becomes Route 590 as one proceeds around the Outer Loop. Follow Route 590 North to Route 104 East. Follow Route 104 to Route 350 (Ontario Center Road). Turn left (North) and proceed to Ginna Station. Total distance is approximately 40 miles.

3.2 Directions to the EOF, ESC and JENC

3.2.1 Air

From the Rochester-Monroe County International Airport take 204 to 390 North, 490 East into the City onto the Inner Loop to the East Avenue ramp to the third signal light. Turn right.

3.2.2 Car

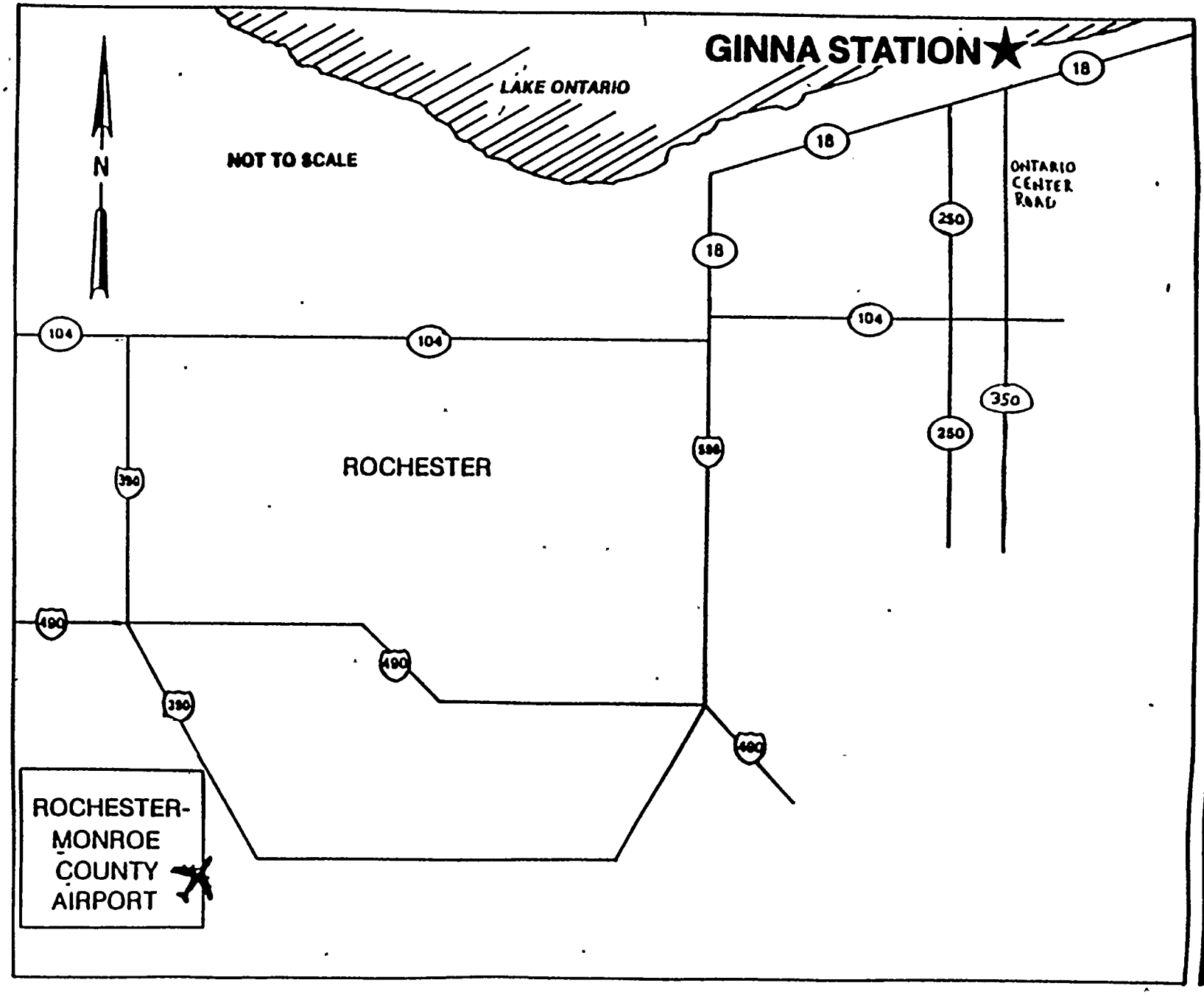
From the Thruway, use Exits 45 or 46 into Rochester and the Inner Loop to the East Avenue ramp as in 3.2.1.

3.2.3 To get to the Emergency Operations Facility (EOF) and Engineering Support Center (ESC), go to the intersection of East Avenue and Chestnut Street (black square on map). EOF and ESC are in 49 East Avenue. The JENC is at 89 East Avenue (see Figure 3.2).

3.3 Accommodations

Hotel/motel accommodations may be obtained at the following locations:

Depot Hotel, Pittsford	(716) 381-9900
Marriott Hotel, Greece	(716) 225-6880
Red Roof Inn, Henrietta	(716) 359-1100
Brookwood Inn, Pittsford	(716) 248-9000
Woodcliff Lodge, Perinton	(716) 248-4810

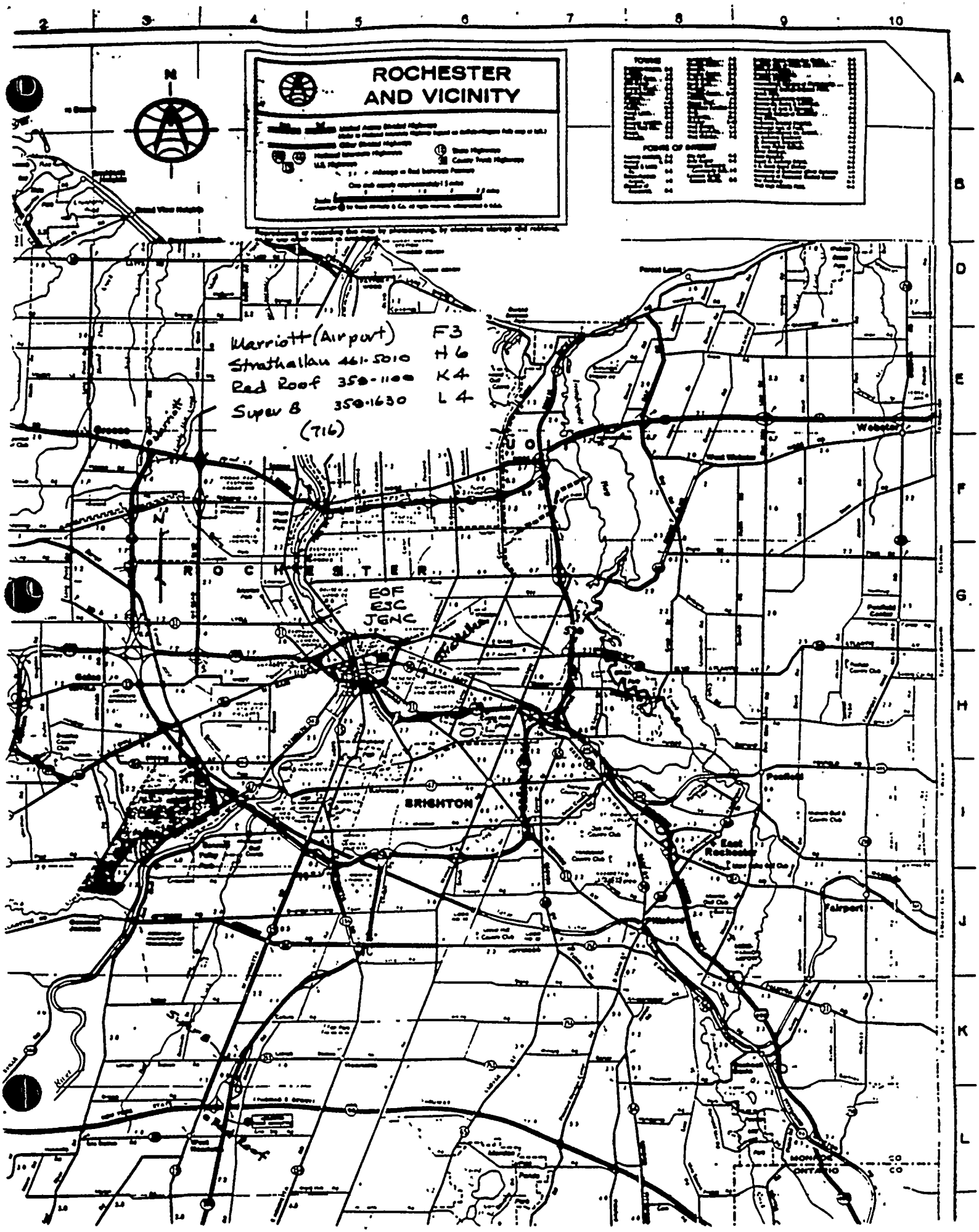


PLANT: **GINNA STATION**

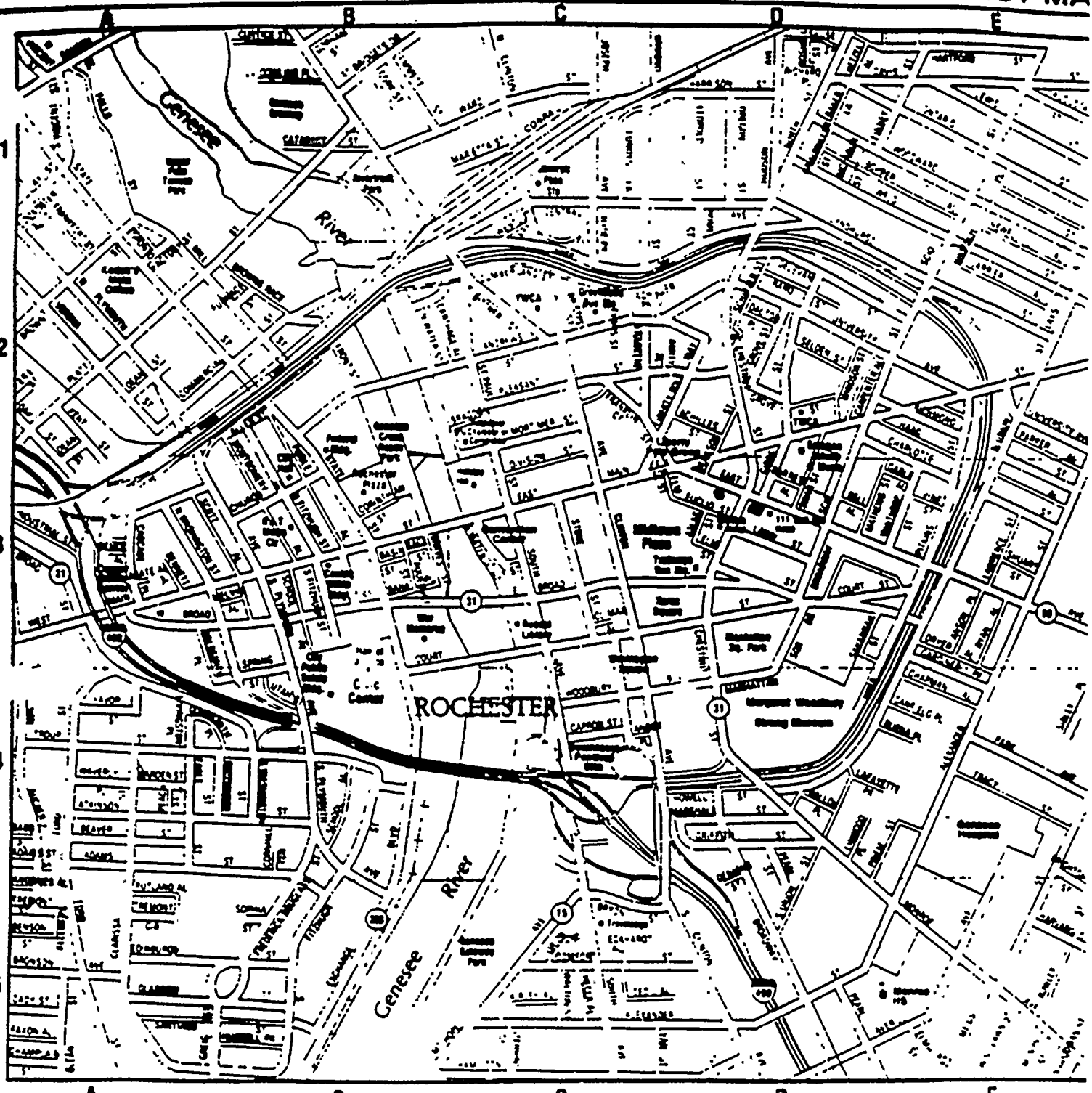
LICENSEE: **Rochester Gas & Electric Corp.**

LOCATION: **Ontario, N Y**

FIGURE 3.1


ROCHESTER AND VICINITY
N
Marriott (Airport) F3
Strathallan 461-5010 H6
Red Roof 350-1100 K4
Super 8 350-1630 L4
(716)
ROCHESTER
EOF
ESC
JENC
BRIGHTON
East Rochester
Fairport
Webster
Penfield
Pittsford
Gates
Greece
Irondequoit
Brighton
Rochester
Genesee River
Erie Canal
Monroe
Ontario
Co
Co

ROCHESTER CENTRAL BUSINESS DISTRICT MA



Government Offices

City Hall	B-2
City Public Safety Building	B-4
Civic Center	B-4
County Office Building	B-3
Federal Building	B-2
Hall of Justice	B-3

Hotels & Motels

Cadillac Hotel	D 3
Holiday [illegible]	B-2
[redacted]	
Rochester [illegible]	B-3
Travelodge	C 5

Points of Interest

Amtrak Passenger Service	C 1
Eastman School of Music	D 2
Eastman Theatre	D-2
Genesee Brewery	B-1
Greyhound Bus Station	C 2
Kodak's Main Offices	A-2
Midtown Plaza	C-3
Rochester Chamber of Commerce	C 2
RIT Metro Center	B 3
Rundel Library	C 3
Strong Museum	D-4
Trailways Bus Station	D-3
War Memorial	B-3
Xerox Square	D-3
YMCA	D-2

Parks

Downtown Festival Site	C 4
Genesee Crossroads Park	B 2
Genesee Gateway Park	C 5
Liberty Pole Green	C 3
Manhattan Square Park	D 3
Riverfront Park	B 1
Washington Square	C 3

● EDF - 49 EAST AVE.

■ JNC - 89 EAST AVE.

Figure 3.3

Figure 3.4

STATE EOC-ASG

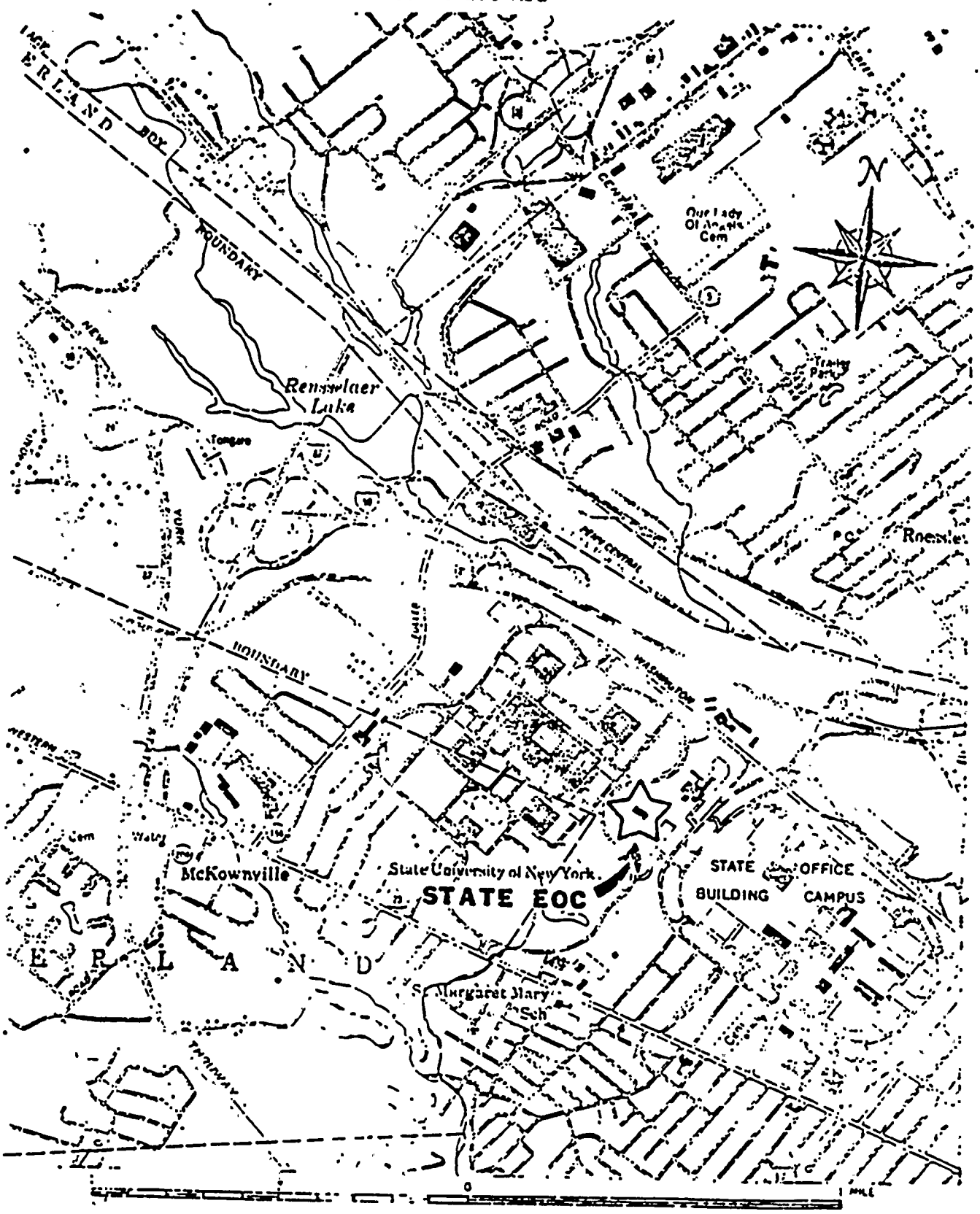
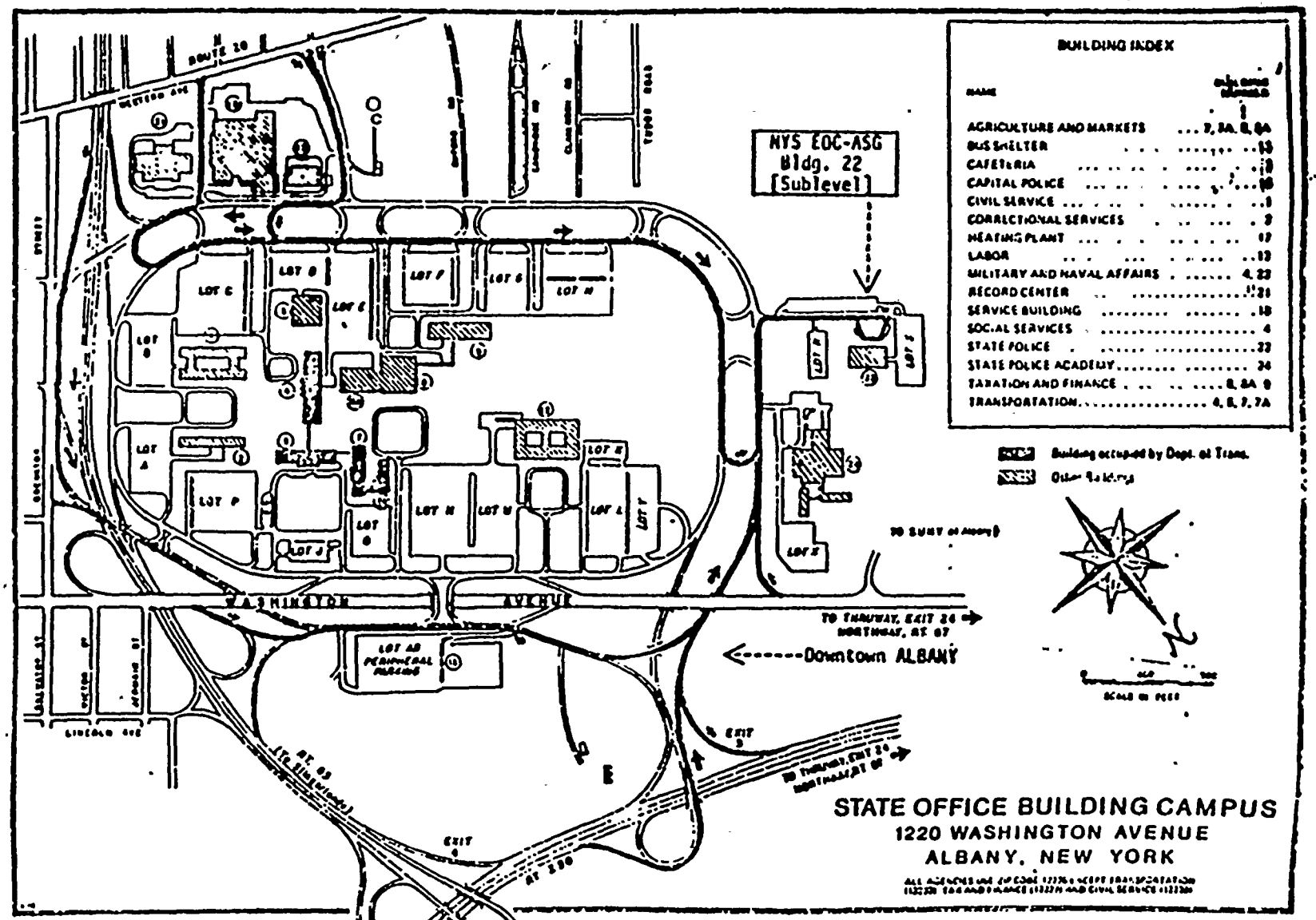


Figure 3.5
STATE EMERGENCY OPERATIONS CENTER
(Alternate Seat of Government)
EOC-ASG



* FROM THE SOUTH or WEST take the N.Y.S. Thruway (I-87 Northbound/I-90 Eastbound) to Exit 24. After the toll booth proceed straight on I-90 to Exit 3.

* FROM THE NORTH take the Adirondack Northway (I-87) South to Exit 1E. Proceed East on I-90 to Exit 3.

* FROM DOWNTOWN ALBANY take I-90 Westbound to Exit 3.

* FROM DOWNTOWN ALBANY take Washington Avenue to Western Avenue (Rte 20) to the State Office Building Campus.

SECTION 4.0

REFERENCES/ABBREVIATIONS - ACRONYMS

4.1 References

4.1.1 10 CFR 50.47, 50.54, Appendix E

4.1.2 44 CFR 350.9

4.1.3 NUREG-0654/FEMA-REP-1, Rev. 1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants

4.1.4 RG&E Nuclear Emergency Response Plan (NERP)

4.1.5 GS Radiation Emergency Plan Implementing Procedures (EPIPS)

4.1.6 GS License and Technical Specifications

4.1.7 GS Piping and Instrumentation Drawings

4.1.8 New York State Radiological Emergency Response Plan

4.1.9 Monroe County Emergency Preparedness Plan

4.1.10 Wayne County Radiological Response Plan

4.1.11 INPO Emergency Preparedness Drill and Exercise Manual

4.2 Abbreviations - Acronyms

A/E	Architect Engineer
ALARA	As Low As Reasonably Achievable
AOV	Air-Operated Valve
ARMS	Area Radiation Monitor(s)
ARV	Atmospheric Relief Valve
ATWS	Anticipated Transient Without Scram
BAST	Boric Acid Storage Tank
CD	Civil Defense
CFR	Code of Federal Regulations
CV	Containment
CR	Control Room
DOE	Department of Energy
DOE-IRAP	DOE Interagency Radiological Assistance Plan
EAL(s)	Emergency Action Level(s)
EBS	Emergency Broadcast System
EC	Emergency Coordinator
ECL(s)	Emergency Classification Level(s)
ENS	Emergency Notification System (NRC)
EOC	Emergency Operations Center
EOF	Emergency Operations Facility
EPA	Environmental Protection Agency
EPC	Emergency Planning Coordinator
EPIP(s)	Emergency Plan Implementation Procedure(s)
EPZ	Emergency Planning Zone
ERF(s)	Emergency Response Facility(s)
ERPA	Emergency Response Planning Area
ESC	Engineering Support Center
FEMA	Federal Emergency Management Agency
FRERP	Federal Radiological Emergency Response Plan
GS	Ginna Station
HALM	High Alarm
HP	Health Physicist
HPN	Health Physics Network
HVAC	Heating Ventilation Air Conditioning
INHB	Inhibited (Alarm Suppressed)
INPO	Institute of Nuclear Power Operations
JENC	Joint Emergency News Center
KI	Potassium Iodide
LALM	Low Alarm
LCO	Limited Condition of Operation
LOCA	Loss of Coolant Accident
LWR	Light Water Reactor
MOV	Motor-Operated Valve
MPC	Maximum Permissible Concentration
NERP	Nuclear Emergency Response Plan

4.2 Abbreviations - Acronyms (Cont'd)

NRC	Nuclear Regulatory Commission
OSC	Operational Support Center
OOS	Out of Service (on site)
OOS	Out of Sequence (off site)
PAG(s)	Protective Action Guide(s)
PAR(s)	Protective Action Recommendation(s)
PASS	Post Accident Sampling System
PIO	Public Information Officer
PWR	Pressurized Water Reactor
RCP	Reactor Coolant Pump
RCS	Reactor Coolant System
RHR	Residual Heat Removal
RG&E	Rochester Gas and Electric Corporation
RST	Radiation Survey Team
SC	Site Contingency (or Survey Center)
SI	Safety Injection
SPING	High Range Effluent Monitor
TSC	Technical Support Center

SECTION 5.0

CONTROLLER AND EVALUATOR INFORMATION

5.0 CONTROLLER AND EVALUATOR INSTRUCTIONS

Each Controller and Evaluator should be familiar with the following:

a. The basic objectives of the Exercise.
b. The assumptions and precautions being taken.
c. The Exercise scenario, including the initiating events and the expected course of actions to be taken.
d. The various locations that will be involved and the specific items to be observed when at those locations.
e. The purpose and importance of the evaluation checklist and record sheets.

5.1 Controller Instructions

5.1.1 Controllers will position themselves at their assigned locations prior to the activation of the facility for which they have responsibility (see Section 5.3).

5.1.2 Communications will be tested to ensure satisfactory communications among Controllers prior to Exercise commencement. All watches and clocks will be synchronized with the Lead Simulator Control Room Exercise Controller as part of the communications testing.

5.1.3 All Controllers will comply with instructions from the Lead Controller.

5.1.4 Each Controller will have copies of the messages controlling the progress of the Exercise scenario. No message shall be delivered out of sequence or other than as written unless specifically authorized by the Lead Controller.

5.1.5 Messages controlling the progress of the scenario are noted with a number. Contingency messages are noted with a number followed by the letter "X" (e.g., 10X).

5.1.6 Each onsite Controller will have copies of time-related plant data sheets. Data sheets will be distributed only in the Control Room. Radiological and meteorological data will also be provided at locations where it is normally available.

5.1.7 Controllers will not provide information to the Players regarding scenario development or resolution of problem areas encountered in the course of the simulated emergency.
The Exercise participants are expected to obtain information through their own organizations and exercise their own judgement in determining response actions and resolving problems.

5.1.8 Some Players may insist that certain parts of the scenario are unrealistic. The Lead Controllers have the sole authority to clarify any questions regarding scenario content.

5.1.9 Each Controller will take detailed notes regarding the progress of the Exercise and the responses of the Exercise participants at their respective assigned locations. Each Controller will carefully note the arrival and departure time for participants, the times at which major activities or milestones occur and problem areas encountered. The Controllers will retain their notes for the purposes of reconstructing the Exercise chronology and preparing a written evaluation of the Exercise.

5.2 Evaluation Instructions

Each Controller/Evaluator will take detailed notes regarding the progress of the Exercise and the response of the Exercise participants at their respective assigned locations. Each Controller/Evaluator should carefully note the arrival and departure times of participants, the times when major activities or milestones occur and problem areas encountered.

The standards below should be used by the Controller/Evaluator to evaluate assigned areas pertaining to the emergency response. A dual purpose will be served by this rating system. First, the capability of each facility or response area will be evaluated and second, the system will provide a vehicle for guiding and directing improvement. The rating scale is as follows:

Good - Personnel and equipment generally performed better than expected. Any errors or problems were minor and easily correctable.

Satisfactory - Personnel and equipment generally performed as expected. Any errors noted were not severe and could be corrected without undue labor or expense.

Unsatisfactory - Personnel and equipment generally performed below expectations and there were several significant deficiencies noted. The area's ability to carry out its functions was diminished.

NA - Not applicable to the situation or not observed.

Controller/Evaluator comments should consider the demonstration of the following facility and team evaluation elements:

5.2.1 Facility

- Accurate and timely determination of emergency action and classification levels.
- Timely activation and staffing for each classification level.
- Familiarity of personnel with appropriate emergency instructions, duties and responsibilities.
- Timely notification of Rochester Gas and Electric Corporation, local, State and Federal personnel/agencies (information updates performed).
- Adequacy of internal information systems (i.e., message handling, displays, status boards and maps).
- Properly controlled documentation and accurate, timely record-keeping.
- Utilization of correct communications procedures and techniques.
- Capability of facility supervisors/directors to interface with personnel and coordinate facility activities.
- Consideration of personnel safety (exposure control).
- Adequacy of interface between emergency response facilities.
- Adequacy of equipment and supplies.
- Timely initiation of onsite protective/corrective actions.
- Development of protective action recommendations.
- Radiological surveys and assessment of plant damage and hazardous conditions performed.
- Timely request of emergency support services.
- Coordinated, accurate and orderly dissemination of information to the news media.
- Proper assumption of command and control.

5.2.2 Team

- o Timely notification and activation.
- o Adequacy of staffing.
- o Familiarity with appropriate emergency procedures, duties and responsibilities.
- o Availability and utilization of proper equipment.
- o Performance of contamination/decontamination control.
- o Proper interface with emergency support personnel.
- o Utilization of correct communications instructions and techniques.
- o Availability of referenced documents to team members.
- o Utilization of proper radiological control practices (i.e., access control, protective clothing, shielding, stay time).
- o Performance of radiological surveys.
- o Timely and proper performance of damage assessment.
- o Properly maintained survey records and maps.
- o Adequacy of briefing sessions prior to dispatch.
- o Direction and control by team leaders.
- o Timely requests for offsite assistance if required.
- o Coordination and interface between emergency response team members.
- o Proper interfaces with plant supervisory personnel. Controllers/Observers will record their comments for the purpose of reconstructing the Exercise chronology and preparing a written evaluation of the Exercise.

5.3 Personnel Assignments

Table 5.1 lists the personnel assignments for the on-site Controller organization.

5.4 Evaluation Packages

The following evaluation packages will be provided to the appropriate Controllers/Observers at the pre-Exercise briefing:

- Simulator Control Room
- Technical Support Center
- Operational Support Center
- Survey Center
- Emergency Operations Facility
- Joint Emergency News Center
- Health Physics Personnel
- Dose Assessment (TSC and EOF)
- Radiation Survey Teams (SC and EOF)
- Post-Accident Sampling System
- Fire Brigade
- Engineering Support Center

TABLE 5.1

The following personnel have been designated to act as Controllers during the 1992 Exercise activities (SEE ATTACHED LIST).

CONTROLLER LIST

POSITION	
Exercise Coordinator	R. Beldue
Control Room (Simulator)	D. Hudnut (Lead) J. O'Toole T. White J. Zulawski
Control Room (Real)	D. Peterson
Technical Support Center	
Lead	T. Alexander
Technical & Operations Assessment	B. Zollner K. Masker
Security	R. Wood R. Teed
Dose Assessment	P. Polfleit
Health Physics & Chemistry	F. Puddu
Communications & Data Flow	S. Poulton
Operations Support Center	
Lead	J. Huff J. Knorr
Fire	D. Biedenbach M. Cavanaugh
Operations	W. Stiewe S. Carter

CONTROLLER LIST

POSITION	
I&C	T. Joachimczyk E. McGrattan
Mechanical	S. Meister E. Graus G. Gibaud J. Liese
Electrical	R. Yates R. Marriott
Post Accident Sampling System	M. Clifton TBD
Survey Center	
Lead	J. Schultz
Red Team	R. Mastrella
Blue Team	J. Edler
Green Team	J. Mazzeo
Yellow Team	P. Phelan
Orange Team	J. Grzybek
White Team	D. Bryant
Personnel Coordinator	M.E. Dangler
Emergency Operations Facility	
Lead & Operations	W. Backus
Communications & Data Flow	B. Stanfield

CONTROLLER LIST

POSITION	
Dose Assessment	R. Watts N. Kiedrowski -
Survey Team	K. Hart M. Burgess -
General	J. Neis
Engineering Support Center	C. Anderson J. Bergstrom
Joint Emergency News Center	F. Orienter
National Weather Service	G. English

5.5 PUBLIC INFORMATION,RUMOR CONTROL AND SPOUSE PHONE QUESTIONS FOR THE EVALUATED EXERCISE

A significant aspect of emergency response is to provide the news media and general public with accurate and timely information about the incident. Public perception and reaction are influenced by the information relayed to them. To ensure that the Rochester Gas and Electric Corporation Emergency Organization is prepared to deal with outside inquiries during an incident at the Ginna Station, the exercise provides certain elements that test Public Information and Rumor Control activities. During the course of the Exercise, the Joint Emergency News Center (JENC) will be activated and exercised. The RG&E "Spouse Phone" will also be manned by the RG&E Medical Department.

Exercise Controllers have been selected to test the Rumor Control and News Media Contact Staffs, as well as the JENC. Controllers will act as concerned citizens, employees, employee relatives and as members of the media, posing questions to the staffs. When acting as members of the media, controllers shall make up a name and a media outlet (print or electronic) located outside of the Rochester area. Each time a rumor control message is delivered, a different fictitious name and address will be given. The phone number to be given will be the number from which the exercise controller is calling so as to allow the county Rumor Control person(s) to return calls with appropriate information, if necessary. The exercise controllers should maintain the theme of each rumor control message and answer inquiries of the counties' Rumor Control persons appropriately.

The following pages denote questions that these controllers can use. The questions are grouped by time in relation to the events specified in the Exercise Scenario. The Controllers are allowed to use questions previously utilized. The lead JENC Controller shall verify that the exercise is adhering to schedule, otherwise time adjustments will be necessary. Space is provided for controllers to make notes on the response. Controllers need not use the questions herein; free play is encouraged. However, controllers must not get carried away with unusual or pointless questions.

When calling in questions, always precede questions with "THIS IS AN EXERCISE". If you are playing a reporter at the JENC, develop free play questions based on the information given during the briefing. Additionally,ask questions about RG&E, the State or counties, Ginna Station, radiation, state/county/utility interface, protective actions, etc. Questions and relevant telephone numbers will be distributed at the special Pre-Exercise Controllers Briefing.

Attachment 1 lists Public Information questions generally for RG&E;

Attachment 2 lists County Rumor Control Questions;

Attachment 3 lists questions for simulated press corps individuals.

Attachment 4 lists questions for testing the "Spouse Phone" in the RG&E Medical Department.

GINNA STATION
1992 EMERGENCY EXERCISE

ATTACHMENT 1

PUBLIC INFORMATION QUESTIONS

TIME

0930 • This is _____ from TV Station WWUV. We've heard that there is an incident at the Ginna Nuclear Plant. Can you tell us what is happening?

- My husband's a Wayne County Sheriff's Deputy. He said he's heard that there's some sort of problem at the nuclear plant.
  - What is happening there?
  - How dangerous a situation is it?

0915 • This is _____ from the Associated Press. I understand that you have an incident at the Ginna Nuclear Plant. What's going on up there?

- How extensive is the problem?
- Where did the trouble start in the plant?
- Is it under control?
- What's the status of the plant?
- What kind of hazards are involved?
- Have any workers been injured?
  - If so what is the extent of their injuries?
  - What are their names?
  - What are their job functions?
- Is the safety of the public threatened?
- At what time will you have a press conference?
- We'd like to send someone to the plant, for interviews and photos..Where do they go?

0930 • This is _____ from TV Station WRRO. We have a report you have some serious problems at Ginna Station. Would you tell our listeners the story?

- We heard the plant is reactor is no longer under control - is that true?
- Is the plant experiencing an uncontrolled release of radiation?
  - How do you know?
  - Who is in charge of the emergency?
  - What is his/her title?
  - Why are they in charge?
- What emergency classification are you now under?
- Was the reactor damaged?
- Did you evacuate the site?
- Why not?
- Are you going to evacuate the public living by the plant?
- Is the reactor under control?
- Do you have a press conference scheduled?
  - At what time?

0945 • What is happening at Ginna?

- Is the plant still under your control?
- Have the federal authorities been notified?
  - Which ones?
  - What will they be doing?
- Has assistance been requested to deal with this crisis?
- Is there any danger to the public?
- What is going on at Ginna?
  - Has the situation been resolved or are things getting worse?
  - Are you evacuating the site?
  - Are you going to tell the public to evacuate the area around the plant?
- Has Governor Cuomo been notified?
- Have the sirens been activated?
- I hear there is a toxic chemical spill, in addition to the radiation leak at the plant, what chemicals are leaking, what are the health effects of the chemicals and what impact will the spill have on the environment?

1000 • I've heard you declared an "Unusual Event" earlier today.

- What does that signify---how bad a problem do you have?
- What time did it happen?
- How did the problem start?
- Has anyone been killed?
- Are there any injuries?
- The situation appears to be getting worse...is this true?

- I work at the Fitzpatrick Plant.
    - I'm confused about what's going on at Ginna...is the leak a chemical or radiological leak to the atmosphere?
    - Has the (chemical / radiation) leak stopped?
    - How much was released?
    - Do you need any help from us?

1015
- What is the significance of an "ALERT"?
    - How serious a problem is that?
    - Have government officials been called?
    - What will the Governor do?
    - What is RG&E doing?
    - What time did you declare the alert?
    - What conditions cause you to declare an alert?
- Didn't Ginna have a similar problem several years ago?
- Ginna seems to be having more "technical malfunctions" than other US nuclear plants, how do you explain that?
    - Is it poor management?
    - Is it low quality aging equipment?
- How do I get "official" information....who's in charge?
- Who do I talk to for getting more information about radiation being released from the plant?
- Are farmers supposed to be sheltering livestock?

- I've got a small dairy farm in Williamson and I need to know what I should do.
    - Where would I get more stored feed for my cattle if my pasture gets contaminated?
- I think I heard the sirens...do I need to evacuate?

1030 • I heard that you declared a "Site Alert".

- When did this happen?
- How much of the plant has been damaged?
- Is there is a release of radiation?
- Has anyone been injured in or around the plant?
- Is the plant safe or in big trouble?

1100 • What does a "Site Area Emergency" mean? Doesn't that mean that no one can go near the plant for the next thousand years?

- Is this accident similar to the one you had in 1982?
- Why didn't we have more warning about this problem before now?
- When will this problem be over, or don't you know?
- Will you evacuate people around the plant?
- In simple terms, what are you doing to control this emergency situation?
- Will lots of radiation be released, or has it already started?
- Is this as bad as the disaster at Chernobyl?

1115 • Are farm animals on pasture grazing safe?

- What about the apple orchards around the plant, how will they be impacted?
- Are you releasing radiation?
  - If so what are the levels?
- Are farmers supposed to take any action to protect their livestock?
- Who is the best source of truthful information on this emergency?

1130 • My father is in the Hill-Haven Nursing Home in Webster.

- What will happen to him?
- How long will this emergency last?

- How do we keep informed?
- Is this as bad as Chernobyl?
- I just heard on my scanner that someone found evidence of terrorist sabotage on a plant safety system, is the plant going to blow up?

1200 • Do you expect that any radiation will be released?

- Is the radiation like bomb fallout?
- How dangerous is it?
- Who is in charge of the emergency?
- When will the next press briefing be held?
- Where is the radiation heading?
- What protective actions have been recommended?
- Whom should I call for further information concerning the Webster area (or Ontario)?
- If we're evacuated, will my house ever be safe to return to?
- Where are people supposed to go if they evacuate?

1215 • What is the problem at Ginna?

- I'm confused---How did the problem start?
- Is this plant similar to Chernobyl or TMI?
- Can it blow up?
- How much radiation is being released off site?
- What protective actions are in effect for Wayne (Monroe) County?
- If people around the plant have to evacuate their homes, when will they be allowed return?

- This is _____ from WRUS Radio in Syracuse.
  - How serious is the Ginna situation now?
  - Is the problem under control yet?
  - How many people live around the plant?
  - What are you going to do to fix the situation?
  - When is the next press briefing?
  - Can we interview anyone at the plant?
  - Where is your News Center located?
    - How do I get there?
  - Where is the wind going?
  - Who's in charge of the emergency?
  - We heard that there was sabotage resulting in both a toxic chemical spill and serious release of radiation, what can you tell us about how this came about?

1230 • I live in Webster on Schlegel Road. I'm worried about leaving my 3 dogs behind if I evacuate my home.
  - Can I take them along with me to a county evacuation shelter?
  - What else should I take along if I go?
  - How many days of pet food should I bring?
- I'm Fred Ames from Perinton. I heard that radiation from Ginna might blow all the way down here.
  - What should I do about my vineyard and farm?
  - If my grapes and land get contaminated, who's going to pay me for my losses?

1300 • This is TV 25 in Toronto. Is it true that your G-e-e-na reactor is suffering a mishap and can you give us an update on the severity of the problem?

- Briefly, what happened this morning to begin this problem?
- Do you Americans consider this to be worse than Three Mile Island?
- Do the authorities believe there's chance that the winds may carry radioactive material across Lake Ontario to Canada?
- Can you tell our viewers how your reactor is different from ours?
- For example, will there be heavy water contamination in the Lake?
- We also heard that there was a toxic leak at the plant, what is your comment?

ATTACHMENT 2

RUMOR CONTROL MESSAGES FOR MONROE COUNTY

TIME

0930 • Could you tell me about the problem at Ginna? I'm a Webster resident.

- Is there a chemical or a radiation problem at Ginna?
- Is the problem at Ginna or Nine Mile Unit II?
- Is Ginna Station shut down because of an accident or something?

0945 • I hear there's an emergency at the nuclear power plant.

- What happened and how bad is it?
- I'm _____ of Radio Station WZZE. You're on our "LIVE LINE" and could you tell our listeners what's happening at the Ginna Nuclear plant?
  - Is the County Executive going to declare a state of emergency?
  - What does the County Executive intend to recommend to the public?
  - Are there any recommendations for people living within a few miles of Ginna?
  - Should County residents take any kind of proactive measures because of the problem we're hearing about on the news?

0950 • Has any radiation or hazardous material leaked yet?

- How can you be sure? Are you checking it?
- How can I find out when there is a release?
- Who is in charge of the emergency?
- Is the plant shut down?
- Is there a release?
- What's happening at the nuclear plant?

1100 • My son works at Xerox, he's there now.

  • How will he know about the Ginna problem?

  • Is he safe where he is?

• Does RG&E have an emergency plan?

  • If so, how does the County figure in it?

• We've lost our emergency information handbook and need one right away. Will one of the emergency people you have deliver one to us?

• Is there a security problem at Ginna?

• Was there sabotage?

• Is the plant under control?

• What damage was done?

• I heard there was an explosion and fire at Ginna which resulted in both a chemical release into the lake and a radioactive cloud being released over Webster and Penfield, what is really happening?

1110 • I live on 22113 Salt Road in Webster. If there's an evacuation, I'm going to need help with my two infant twins. Can you help me?

• How many nuclear plants are in the area?

• Where's our power going to come from if the plant is shut down for a while?

• Have you guys called for extra help with your problem?

• Who's running the emergency?

  • What station on the radio should we be listening to?

  • I need to talk to the County Executive. What's his number? I need to know what to do.

  • Is RG&E telling us the truth? We all remember the Ice Storm and how they lied then to save their butts!

- I live in Penfield, but I could live 50 miles away and wouldn't feel safe...are you going to let us know if we need to get out?
    - How?

1115
    - I live near the plant and heard there is an "ALERT", and then I heard it called something else... What's going on?
- Are you checking the radiation levels outside?
- Did Sad-Am Hussein's people do this?
- What's this I hear about a fire at Ginna?
    - Was that because of a big explosion or something?
    - How many people got hurt and who's running the plant now?
- Somebody told me the Ginna workers "bail out" from the plant when there's a problem. Is that true?
- Is Cuomo or Bush sending help?
- What's happening at the Ginna plant?
- Is the plant burning out of control?
- My neighbors are saying terrorists have blown up part of the Ginna plant. Is this true?
- Has a State of Emergency been declared?
- What should the public do to protect itself?

1130
    - My wife and I are concerned because we haven't heard the sirens go off...we live over in Fairport.
    - Shouldn't we hear sirens now?
- We don't think you county disaster people are being told everything by RG&E. I can't even get a straight answer on my monthly electric bill. What's really going on?
- I don't trust the power plant people; they'd lie to save their own skins.
    - Do you have anybody checking on them?

- Will the County Legislature look into this accident and stop Ginna from starting up again?
- Who's going to pay for all the clean-up from this accident?
- Should I close my restaurant due to the accident at Ginna Station? I'm over in Webster Village.
    - What are we supposed to do?
    - Who do I call to find out if we're going to have to leave?
    - Who will guard my place if we evacuate?
- I'm calling from California, I have family in Rochester....what's going on at your plant?
- What's happening at Ginna?

1200 • I heard that at Ginna a disgruntled employee sabotaged the plant and that's what caused this accident! Have they caught the person yet?

- Has there been a radiation release?
- What's happening to all the school kids in Webster School District?
- I heard the siren but nobody said which way to go. My neighbor says the siren means to leave your house immediately.
    - Is he right?
- What do I do? I live on Dewitt Road near the Elementary School.
- I hear that the Maplewood Nursing Home will keep its patients where they are. My wife works there, but I can't reach her because the phones are busy. Will they be safe there?

1230 • I'm leaving now. Where do I go for temporary housing? I live on State Road near Route 250.

- I'm calling from Penfield.....has there been a release of radiation from Ginna?
- I'm calling from Pennsylvania....I live 5 miles from Ginna.....can we return home tomorrow?
- What's happening at Ginna?

- I'm evacuating now. Which way is safe to travel? We live next to the Wegman's on Holt Road. We need temporary housing. I've got 4 kids with me.

- I am supposed to leave but don't have a place to stay. Which school can I stay at? I live on Lake Road near Route 250.

  - How do I get there?

  - Who's going to pay my expenses?

  - Who do I call to get a check for my expenses?

1300 - Is it true that the apples are now contaminated?

- Where are we supposed to get our groceries now?

- We don't have any money or a car. How do we get away from the radiation?

  - Where do we live and eat?

- I live up on Five Mile Line Road by Plank Road.

  - I heard the accident at the Ginna Station is getting worse.

  - Are we gonna be moved out of our homes after this?

  - Why haven't you made the announcement on TV?

- Are animals safe to be left outside. We live in Webster.

- Can we leave the house?

- Has there been an accident at Ginna?

- What exactly has happened?

- Does RG&E have a plan for this kind of thing?

  - What about the County?

RUMOR CONTROL MESSAGES FOR WAYNE COUNTY

TIME

0940 • I hear there's an emergency at the nuclear power plant.

- How serious is the problem?
- Are schools going to be dismissed early?
- Can I pick up my two children at the Middle School in Ontario?

• I'm _____ of Radio Station WTZ. Can you tell our listeners what's happening at the Ginna Nuclear plant? You're live on our "MORNING SHOW".

- Have officials in Wayne County declared a state of emergency?
- What is Wayne County doing to assist in this emergency?
- Will you have a press conference?
- Has there been a problem at the Ginna Plant?

0950 • I live down on Knickerbocker near the Ontario Water District plant....Have any chemicals or radiation been released, can they get into the drinking water?

- Is the problem under control?

• Should we leave our home because of the mishap at the plant? We're very concerned about this.

• What's the problem at your plant?

• When will the emergency be over?

• What caused the problem at Ginna?

1000 • My daughter and a friend are out shopping in Ontario.

- How are they going to be warned about the plant problem?
- We live in Walworth...are we safe?

• Are you going to block off the roads...my daughter needs to be able to drive back home!

- What's happening at the nuclear plant?
- Is the problem I've been hearing about at Russell Station or Ginna?
- Who caused the accident?
- My mother works in the library in Ontario.
  - How do they know there's problem?
  - Are they safe?
  - I can't get through to the library..the line is busy.
  - What do you recommend I do?
  - We live in Marion...are we far enough away?
- Is the plant under control now?
- Will we lose our power because of the accident?
- Is there a brochure we're supposed to have to tell us what to do?
- Who is in charge of your emergency?
  - Is it under control?
- I'm calling from Consolidated Edison....could you give me some information about the event this morning at Ginna?

1015 • We've lost our emergency information handbook and need one right away. Which Zone do we live in?

- We live on Slocum Road near Kenyon Road - are we going to have to evacuate? We're very close to Ginna!
- Where are we supposed to go if we're told to leave?

1030 • What happened at Ginna this morning?

- What do I do if the sirens blow?
- Are all RG&E's plants under attack?
- What happened this morning?
- Where can I buy a radiation instrument to check the outside?

1100 • I have some milk goats out in our field...out on County Line Road by Berg Road. What do I do with the goats? Bring 'em inside?

- We live in a one-story wood-frame house. The calendar we received from RG&E talks about "sheltering". Isn't that supposed to apply only to brick buildings with thick walls? We don't even have a basement!

- Is the Ginna plant running now?

  - Will you be blowing the sirens?

  - If so, what do we do?

  - I need to know what's going on and what to do.

  - My neighbors are frightened ....we live two miles east of the plant on Furnace Road.

- Can we go outside? Are we in danger?

- Are you people checking the radiation?

- What are we supposed to do when sirens go off?

1115 • My neighbor's a cop....we says you've got a security problem. How bad is it?

  - How many security people are at Ginna?

  - Have you called for help?

  - Did the sabotage cause the chemical release?

  - Did terrorists blow up Ginna?

- Were employees or outsiders involved in the destruction of safety equipment?

- Are the plants in Oswego having problems too, or is it just Ginna?

  - I figure with all the problems recently, some group's sabotaging all the nuke plants around here.

  - Have you captured the people involved?

1130 • We hear that emergency shelters are open now....what do we bring if we need to stay for awhile and how much will it cost?

- How do we get checked for radiation? My whole family is feeling nauseated and weak.
- Is Wayne County going to be declared a disaster area?
- Is this accident as bad as Chernobyl or TMI?
- Where do the school kids go? My daughter goes to Freewill Elementary School.
- Should I close my business due to the accident? Who will pay for the lost income? (The business is on Route 104 near County Line Road).

1200 • Are schools closing in Williamson...my kids are at the High School?

- What are we supposed to do - we live on Route 21 in Williamson?
- What should I do for my chickens to protect them from radiation?
- I heard Ginna is melting down. Is it true that State people are coming to take over?
- We heard the Governor is coming to take charge of Ginna.
- How wide an area will be evacuated - 20, 30 miles?
- How far is Ginna from Sodus?
- Should Sodus residents leave their homes?
- Is there a plan for nuclear emergencies?
  - Is it finished?
  - Who wrote the plan and who approved it?
- Is RG&E responsible for the accident that happened?

1230 • I heard the siren but now what do we do? We live just down the road from Ginna...and I don't see anyone leaving the plant....are they all dead?

- Would you send out the sheriff's department to check?

- What's happening at the Ginna plant?

- I'm leaving now. Can I pick my son? He's got a job at Atana's Restaurant in Ontario.

- I live in Macedon...we just had a problem a few weeks ago with the drinking water, heavy metals in the water or something.

  - Are we going to have to boil our drinking water again because of the plant's radiation?

- Can my pets be outside, can they drink water that's outside?

1300 • I think I am supposed to leave but don't have a place to stay. I live in Wayne ERPA Number 3 near the plant.

  - Which county shelter can I stay at?

  - How do I get there?

  - Who's going to pay my expenses?

  - I heard the accident at the Ginna Station is just a false rumor. What's going on?

  - I live exactly .6 miles south of the plant....there's never been a problem before and I'm not going to leave now. I'm sure the media's just blowing this out of proportion.

  - Why haven't you made the announcement on radio?

- Who's going to guard all the neighbor's houses after they run away to the shelters?

- Is the Ginna emergency over yet?

- Is the Ginna reactor shut down?

- Is the plant burning?

1330 • What is the Ginna problem that occurred this morning?

- I've heard people are being asked to leave. Is that true?
- Were we supposed to hear the sirens?
- What radio station or T.V. channel should we have on?

- Who is running the reactor at Ginna? I hear the safety equipment was tampered with this morning by someone in the plant.
- Where is the emergency information in the phone book. I can't find it.
- What should we take if we leave our home?
- How do we get transportation if we don't have a car and need to evacuate? We live on Lakeside Road near Lake Road.
- Is the accident over with at Ginna?
- Who's going to pay for the mess you created?

1345 • Is there contamination on the ground now from Ginna?

- My homeowners insurance states I'm not covered for nuclear accidents! What do I do now?
- Who will check my home and property to make sure there's no radiation? We live on Boston Road.
- I'm calling from Buffalo...I got my family out of our house in Ontario Center this morning. When will it be safe to go home again?
  - Can we be checked for nuclear radiation somewhere, on our way home?
- Who can we get to check our farm pond to see if there's any contamination?
- I've got a well on my property (about 6 miles east of Ginna on Lake Road). Can we still drink from our well?
  - Who can I contact if I have more questions, and I'm sure I will!
- I'm calling from England.....what kind of plant is Ginna?
  - Has there been a release to the atmosphere?
  - Was there iodine in the release?

1400 • How long will people who evacuate from Wayne ERPA 1 have to stay away from home?

- Can homeowners go back and check their homes in the meantime?
- What if there's a fire in one of our houses? Are you just going to let it burn?
- Are residents supposed to take potassium iodide?
  - If we can't get the potassium, can we take salt tablets?
- What is happening at Ginna?
- We caught some trout just east of the plant this morning, around 8 or 9 am.
  - What should we do with the fish?
  - Is my boat contaminated now and am I?

ATTACHMENT 3

PRESS CORPS QUESTIONS

- How bad a leak occurred?
- What kind of leak was it - chemical or radiation?
- Where did it go?
- Is the reactor stable and under control?
- Is this plant similar Nine Mile Point?
- Were any workers injured or contaminated?
- How much radiation was released around the plant?
- What protective actions are in effect for Wayne (Monroe) County?
- How many people live in Wayne (Monroe) County?
- What are you going to do to manage the situation over the next several hours?
- How long will the emergency be in effect?
- When is the next press briefing?
- How many media representatives are at the News Center?
- What agencies are at the News Center?
- Where is the wind heading now?
- What is the weather forecast? What effect will that have on your recommendations?
- Who's in charge of the emergency?
- Please explain the relationship of the State, the two Counties and RG&E in terms of how decisions are made during this emergency. For example who makes the decision the activate the sirens, who decides to evacuate or shelter, and how is that decision reached? How can we be sure that the best interests of the public are paramount in the decision makers mind? How does the County Executive and County Chairman get the technical information they need to make informed decisions?

- For any news organization wishing to take footage of Ginna, who do we see at the plant gate?
- How will home-bound, mobility impaired or nursing home patients be protected?
- What exactly does "sheltering" involve..does this apply to any type of home?
- When can people who have sheltered, stop sheltering?
- When do you expect to enter "Recovery"? What does that mean exactly?
- Will there be any further radioactive releases?
- Will the sirens be sounded any further?
- How do tourists know how to protect themselves?
- How is the plant getting power now to run its safety systems?
- Will the shareholders or ratepayers absorb the cost of this mishap?
- Will Ginna need to be decommissioned?
- Is this the same type of problem that Ginna experienced in 1982?
- Who will pay for all the damage to personal property from this accident?

- After cleaning up the radioactive waste from this accident, where does it all get sent? Has RG&E significantly added to the State's low-level waste crisis?
- Why doesn't RG&E distribute potassium iodide to the public?...do RG&E people get it?
- How close have you come to a meltdown?
- How do you know the extent of damage to the Ginna reactor?
- What problems do you expect the contamination will cause with the apple farms in Wayne County?
- What effect will the release of radioactivity have on Lake Ontario fish?
- What is the difference between genetic effects of radiation and somatic effects?
- What impact will the radiation released have on unborn babies?
- How many cancer deaths are there likely to be in Wayne and Monroe counties as a result of this accident?

ATTACHMENT 4

"SPOUSE PHONE " QUESTIONS

0930 • My wife is a secretary at Ginna Station, and I've heard they've had an emergency. How serious is it?

- How long is this accident expected to go on?
- Do you know if workers have evacuated the plant?
- Are the workers all okay?
- Can I pick my wife up? If so, where do I meet her?

0945 • This is Gail Beldue. My husband, Dick is either at Ginna Station or East Avenue today. I need to get a message to him. We live 3 miles from the plant and may need to evacuate.

- Do you know for sure if residents will have to evacuate?
- If we evacuate, tell Dick that I will go to my parents house.
- Tell him I hope he's okay.

1015 • My husband works in the Ginna Training Department. I can't reach him at Ginna. His name is Sam Poulton.

- My neighbor told me there was a problem with a chemical accident at the plant, and that there's a security problem too. Is that true?
- Has everyone evacuated the plant?
- Were any of the employees hurt?
- How can I reach my husband? He's on blood pressure medication. I need to know he's all right.

1045 • My father, Wesley Backus works in Operations at Ginna.

- What's happening at the plant?
- How bad is it?

- Are the workers in danger? My father works around the back-up safety equipment.

- Are Ginna employees allowed to call home?

- If he can, have Wesley Backus call home so I can stop worrying.

1115 • My son-in-law works at Ginna as a Trainer (Jim Knorr).

- Where are the plant workers now... have they left the plant?

- Is the plant under control now?

- How long will the emergency last?

1130 • My sister called me this morning and said there was a problem at the plant, and said she'd keep me posted. I haven't heard anything from her for 4 hours.

- She said she might be sent to sent to work in the Survey Center. Is everyone there now?

- Will the workers have to stay at the plant?

- I need to get through to the Technical Support Center to ask her what arrangements I should make concerning her kids at day care...since I'm at work. Her name is Barb Butler.

1200 • My father works at Ginna, and is there now. He works in the Training Center (Jim Huff).

- Has there been a release?

- Do they have the plant saboteur identified yet?

- Can I drive to the plant and drop off some sandwiches for my father if he's got to stay overnight?

SECTION 6.0

SCHEDULE OF EVENTS

SECTION 6.0

1992 GINNA PLUME EXPOSURE PATHWAY EXERCISE

SCHEDULE OF EVENTS

DATE	TIME	PERSONNEL GROUPS	ACTIVITY
10/5	9-11	ALL (EOF)	PLAYER BRIEFING
	2-4	ALL (TSC)	PLAYER BRIEFING
10/7	8-12	AS ASSIGNED	CONTROLLER BRIEFING
	1-4	NRC TEAM	NRC TEAM BADGING & BRIEFING
10/8	?	ALL	1992 EXERCISE
10/9	8-10	CONTROLLERS	PRE-CRITIQUE MEETING
	10-11	OPEN	RG&E CORPORATE CRITIQUE
	11-12	OPEN	NRC CRITIQUE

SECTION 7.0

EXERCISE SCENARIO

GINNA STATION
1992 EMERGENCY PREPAREDNESS EXERCISE

INITIAL CONDITIONS

1. The R. E. Ginna Nuclear Power Plant is operating at approximately 97% rated thermal power. The Plant has been operating at this power level continuously for approximately 150 days.

2. The "A" Steam Generator (S/G) primary to secondary leak rate increased approximately 5 days ago to a calculated 60cc/min. At approximately 0630 hours this morning the primary to secondary leak rate has again increased significantly as indicated by a substantial increase in radiation monitor R-15 (Air Ejector). Radiation monitor R-19 (S/G Blowdown) has also indicated an increase in activity. The Health Physics/ Chemistry Department is in the process of analyzing samples to determine the calculated leak rate.

3. Equilibrium Primary Coolant Isotopic activity as of 0300 hours (10/8/92 is provided in table 9.2 of scenario Section 9.3. Total activity is 2.56 microcuries/gram. Chemistry Log Sheet, available from the Controller.

4. The Reactor Coolant System (RCS) total leakage is 0.361 GPM as of 0400 hours this morning and has been increasing. Identified RCS Leakage is 0.073 GPM.

5. General weather conditions are partly cloudy with no current precipitation. For purposes of the Exercise, additional meteorological information in the Simulator Control Room should be obtained from the Plant Process Computer System (PPCS).

6. The Primary Water Treatment Plant is secured for major maintenance that will take approximately 3 days. the 100,000 Gallon Outside Condensate Storage Tank is at 20% Level. A Demineralizer Trailer has been ordered and is scheduled to arrive at 1300 hours today.

7. The House Heating Boiler is in service and Nuclear Steam is secured and held.

GINNA STATION
1992 EMERGENCY PREPAREDNESS EXERCISE

ONSITE SEQUENCE OF EVENTS

APPROPRIATE TIME	SCENARIO TIME	EVENT DESCRIPTION
0700	-00/15	Initial Conditions established
0715	00/00	Announcement to Commence Annual Emergency Exercise
0730	00/15	The Health Physics/Chemistry Department informs the Control Room that the "A" S/G calculated leak rate is approximately 450cc/min (i.e., ≈ 0.125 gpm).
UNUSUAL EVENT		

ANTICIPATED RESULTS

Control Room

Operators should begin performing the applicable actions of Operating Procedure O-6.10 (Plant Operations with Steam Generator Tube Leak Indication).

Op Proc O-2.1

An orderly Plant shutdown should commence to be in Hot Shutdown within 6 hours and to be less than 350°F in the RCS within the next 6 hours as required by Plant Technical Specification.

An Unusual Event should be declared in accordance with EPIP 1-0, "Ginna Station Event Evaluation and Classification," EAL: Steam Generator Tube Rupture (SGTR); Steam Generator Tube Leakage > .1 GPM as identified by sampling. Appropriate offsite notifications should be made per EPIP 1-5.

If an Unusual Event not declared in approximately 15 minutes, a contingency message should be given out to declare it.

APPROPRIATE TIME	SCENARIO TIME	EVENT DESCRIPTION
0755	00/40	The "A" S/G ARV pops open and cannot be closed from the Control Room. ANTICIPATED RESULTS Control Room Should send an Auxiliary Operator to the Steam Header Area to close the Isolation Valve on the "A" S/G ARV. Operators performing the applicable actions of O-2.1. Technical Support Center The Plant Manager, Operations Assessment Manager, and Duty Engineer should be manning the TSC for Offsite Communications Assistance per EPIP 1-5.
0810	00/55	The Auxiliary Operator sent to isolate the "A" S/G ARV reports to the Control Room that the "A" S/G ARV is isolated, but he has noticed a steam leak on the "B" S/G ARV, between the ARV and the ARV Isolation Valve. ANTICIPATED RESULTS Control Room Should inform people manning the TSC of the "B" S/G ARV Line steam leak. May request Auxiliary Operator to isolate the "B" S/G ARV. Operators performing the applicable actions of O-2.1. Should inform the people manning the TSC of the "A" S/G ARV problem and isolation.

APPROPRIATE TIME	SCENARIO TIME	EVENT DESCRIPTION
		Technical Support Center
		May request that the "B" S/G ARV be isolated or may wait until Maintenance personnel have inspected it.
		May inform Control Room that they will take actions to have Maintenance personnel inspect for the "A" And "B" S/G ARV problems.
0815	01/00	Annunciator G-22 (ADFCS System Trouble) alarms.
		ANTICIPATED RESULTS
		Control Room
		Operators perform the applicable actions of AR-G.22.
		Operators should check the S/G levels to ensure proper level control.
		Operators should inform the people manning the TSC and I & C Department of the ADFCS problem.
0840	01/25	The CCW Surge Tank Lo Level Alarm (AR-A-13) annunciates and the CCW level indicates it is decreasing.
		ANTICIPATED RESULTS
		Control Room
		Operators perform the applicable actions of Alarm Response Procedure AR-A-13 (CCW Surge Tank Lo Level 41.2%).
		Operators should send an Auxiliary Operator into the Auxiliary Building to identify the CCW Leak.
		Should inform the people manning the TSC of the CCW leak.

APPROPRIATE TIME	SCENARIO TIME	EVENT DESCRIPTION
0850	01/35	Auxiliary Operator checking the CCW leak in Auxiliary Building informs Control Room that the 1A CCW Pump Mechanical Seal is leaking and spraying on the pump motor. The running 1A CCW Pump trips out on overcurrent and annunciator (AR-A-17) alarms. The standby 1B CCW pump starts automatically and deliverers required flow. ANTICIPATED RESULTS Control Room Operators perform the applicable actions of abnormal procedure AP-CCW.2 (Loss of CCW during power operation). Operators request the Auxiliary Operator sent to identify the CCW leak in the Auxiliary Building, to isolate the suction and discharge of the 1A CCW Pump and rack out its electrical breaker. Operators should inform the people manning the TSC of the 1A CCW Pump problems.
0855	01/40	The ADFCS problem with the MFW Regulating Valves is repaired.. ANTICIPATED RESULTS Control Room Operators continue shutting Plant down per 0-2.1
0905	01/45	Auxiliary Operator isolating the 1A CCW Pump informs Control Room that the Suction and Discharge Valves are closed and the electrical breaker is racked out. ANTICIPATED RESULTS Control Room Operators should ensure that 1A CCW Pump Control Switch is in pull stop and CCW Surge Tank level has returned to normal.

APPROPRIATE TIME	SCENARIO TIME	EVENT DESCRIPTION
0915	02/00	The following events occur simultaneously:
ALERT		• Pressurizer level and pressure decreases uncontrollably.
		• A reactor trip occurs automatically from low pressurizer pressure or is manually activated by the operator.
		• A safety injection occurs automatically from low pressurizer pressure or is manually activated by the operator.
		• The "A" S/G water level increases uncontrollably.
		• All safeguards equipment required is operating.
		ANTICIPATED RESULTS
		Control Room
		Operators performing the immediate actions of E-0 (Reactor trip or safety injection).
	~700gpm	An ALERT should be declared in accordance with EPIP 1-0, "Ginna Station Event Evaluation and Classification," EAL: Steam Generator Tube Rupture (SGTR): SGTR > 100 GPM. Appropriate onsite and offsite notifications should be made per EPIP 1-5.
		If and ALERT is not declared in approximately 15 minutes, a contingency message should be given out to declare it.
		Operators transition to E-3 (Steam Generator Tube Rupture) and start performing its applicable actions.

APPROPRIATE TIME	SCENARIO TIME	EVENT DESCRIPTION
0945	02/30	Accident Response and Evaluation continues. ANTICIPATED RESULTS Control Room Operators performing the applicable actions of E-3 (Steam Generator Tube Rupture) to stabilize the Plant. Technical Support Center The TSC should be nearing operational readiness of the Emergency Response Organization. The TSC, when operational, should send repair teams into the Auxiliary Building to evaluate the 1A CCW Pump and motor problems. The TSC, when operational should send repair teams out to evaluate the "A" and "B" S/G ARV problems if not already done. Emergency Operations Facility / JENC EOF may be activating at this time due to Plant conditions. JENC will be activating at this time.
1000	02/45	Accident response and evaluation continues and DI truck arrives at site. ANTICIPATED RESULTS Control Room Operators performing the applicable actions of E-3 (Steam Generator Tube Rupture) to stabilize the Plant. Technical Support Center The TSC should be assuming command and control.

APPROPRIATE TIME	SCENARIO TIME	EVENT DESCRIPTION
1015	03/00	Annunciator J-9 (Safeguard Breaker Trip) Alarms. ANTICIPATED RESULTS Control Room When operators check the Board, the "A" SW Pump Switch indicates a white disagreement light and the "A" SW Pump indicates tripped. Operators/TSC should send an Auxiliary Operator to the Screen House to check on "A" SW pump. Operators should inform the TSC of the "A" SW Pump problem.
1030 SITE AREA EMERGENCY	03/15	The Auxiliary Operator sent to the Screen House to check the "A" SW Pump reports to the Control Room/TSC that he can find nothing wrong with the "A" SW Pump but he has smelled the strong odor of gas through-out the building with the strongest odor in the Basement. ANTICIPATED RESULTS Control Room Should request that the Auxiliary Operator find the shutoff valves for the natural gas and propane gas to the Screen House and close them. Should inform the TSC of the gas problem in the Screen House. If not already isolated, should send an Axiliary Operator to isolate the "B" S/G ARV when requested to do. Technical Support Center The TSC, after assessing Plant conditions, should:

APPROPRIATE TIME	SCENARIO TIME	EVENT DESCRIPTION
		Declare a SITE AREA EMERGENCY in accordance with EPIP 1-0, "Ginna Station Event Evaluation and Classification," EAL: Hazards being experienced or projected; entry of uncontrolled flammable gases into vital areas.
		Appropriate notifications of offsite agencies should be made per EPIP 1-5.
		If a Site Area Emergency is not declared in approximately 15 minutes, a contingency message should be given to declare it.
		TSC should inform the EOF of Plant conditions and the Site Area Emergency Declaration.
		A Site Evacuation should be commenced if it is determined necessary.
		Repair Teams
		Repair team sent out to check the CCW Pump should report that the 1A CCW Pump Mechanical seal needs replacing and that the 1A CCW Pump motor needs to be cleaned and dried. They report this will take approximately 8 hours. They also report that the 1B CCW Pump Mechanical Seal is leaking a small amount.
		Repair Team sent out to check the "A" S/G ARV control problem should report that the ARV's Mercoid controller needs to be replaced. They report that it will take approximately 1 hour to do.
1045	03/30	If not done earlier, the Repair Team sent out to check the "B" S/G ARV Steam leak request that it be isolated.
		Accident response and evaluation continues.
		If not done earlier, the Auxiliary operator sent out to isolate the "B" S/G ARV steam leak reports back that it is isolated.

APPROPRIATE TIME	SCENARIO TIME	EVENT DESCRIPTION
		ANTICIPATED RESULTS
		Control Room
		Operators performing the actions of E-3 (Steam Generator Tub Rupture) should have stabilized the Plant at approximately this time and be awaiting determination by the TSC as to what post SGTR cooldown procedure to use.
		If not done earlier, should inform the TSC of the "B" S/G ARV steam leak isolation.
		Technical Support Center
		The TSC should be evaluating the flammable gas problem in the Screen House and be taking corrective actions required to return the Screen House to a safe condition (i.e., sending a Fire and Safety Team to evaluate and correct).
		TSC Dose Assessment performing offsite dose calculations as necessary.
		TSC should inform CR to use ES-3.1 (POST-SGTR Cooldown using backfill).
		Repair Teams
		Repair Team sent out to check the "B" S/G ARV steam leak reports that it appears that the steam leak was from a 0.5 -inch hole drilled almost through the pipe, and also that a flange is leaking.
		They report that it will take approximately one and a half hours to repair the leak.

APPROPRIATE TIME	SCENARIO TIME	EVENT DESCRIPTION
1100	03/45	Condensate Storage Tank (CST) levels decrease to 5 feet.

ANTICIPATED RESULTS

Control Room

Operators should refer to ER-AFW.1 (Alternate Water Supply to AFW Pumps) per foldout page of ES-3.1, Statement 4, which states, "If CST level decreases to less than 5 feet, then switch to alternate AFW supply (Refer to ER-AFW.1, Alternate Water Supply to AFW Pumps) and perform applicable actions.

Should inform TSC of the low level in the CSTs.

TECHNICAL SUPPORT CENTER

TSC evaluating Plant conditions and taking action where required.

TSC should inform security of the as found condition of the "B" S/G ARV steam leak.

TSC Dose Assessment performing offsite dose calculations as required.

TSC should be expediting the repair of the S/G ARVs because of their use during such events as loss of condenser and Plant cooldown.

TSC should send a Repair Team to check out the "A" SW Pump problem when the Screen House is declared safe for entry.

TSC should inform EOF of Plant status and problems.

Security

Should be evaluating the drilled hole in the "B" S/G ARV pipe.

Emergency Operation Facility

The EOF, after it is manned, should start assessing Plant conditions and take action as required.

APPROPRIATE TIME	SCENARIO TIME	EVENT DESCRIPTION
1115	04/00	DI truck starts pumping to outside storage tank.
1120	04/05	The "A" S/G ARV Mercoid is repaired and ready for return to service.

ANTICIPATED RESULTS

Control Room

Operators performing applicable actions of ES-3.1 (Post-SGTR Cooldown using Backfill).

Operators performing applicable actions ER-AFW.1.

Operators should return the "A" S/G ARV to service if requested by the TSC.

Technical Support Center

TSC evaluating Plant conditions and taking actions where required.

TSC Dose Assessment performing offsite dose calculations as required.

TSC may request the Control Room to return the "A" S/G ARV to service.

Security

Should be evaluating the drilled hole in the "B" S/G ARV pipe.

Emergency Operations Facility

The EOF, after it is manned, should start assessing Plant conditions and take action as required.

EOF Dose Assessment should be performing offsite Dose Assessment, as required, in parallel with the TSC Dose Assessment.

The EOF should be assuming commanded and control at approximately this time.

APPROPRIATE TIME	SCENARIO TIME	EVENT DESCRIPTION
		Repair Team
		Performing actions as required to return equipment to service as soon as possible.
1145	04/30	Accident evaluation and response continues.
		An individual arrives at the TSC and during frisking, finds contamination on his shoes and clothing.
		The Rochester Telephone Corp. telephones in the EOF are suddenly found to be inoperable.
		ANTICIPATED RESULTS
		Control Room
		Operators should be performing the applicable actions of the ES-3.1 (Post-SGTR Cooldown using Backfill).
		Technical Support Center
		TSC evaluating Plant conditions and taking action as required.
		EOF evaluating Plant conditions and taking action as required.
		TSC should request Control Room to return the "B" S/G ARV to service.
		Health Physics technicians respond to the contaminated individual at the TSC entrance, perform further contamination monitoring, secure the TSC entrance and initiate appropriate decontamination and follow-up actions.
		Emergency Operation Facility
		EOF personnel investigate nature of telephone system failure, and switch to alternate telephones for voice and fax communications.

APPROPRIATE TIME	SCENARIO TIME	EVENT DESCRIPTION
≈1230	≈05/15	Recover/Re-entry discussions should commence. This should include preliminary discussions about short term and intermediate term concerns, including preliminary designation of the Recovery Organization. State and counties may also conduct parallel discussions. Recovery/Re-entry interface between TSC/EOF and offsite agencies should be demonstrated as time allows.
≈1315	≈06/00	After all Exercise Objectives have been demonstrated, the Exercise will be terminated.

TABLE 7.1

SIMULATOR SET-UP DATA FOR EXERCISE SCENARIO

CRITICAL SIMULATOR SET-UP DATA FOR 1992 EMERGENCY PLANNING SIMULATOR RUN

1. At 0700 Equipment Set-up -- See 0700 Plant Status sheet.

2. At 0700 Reactor Core is in MOL (571 PPM Boron).

3. At 0700 RCS Leak Rate is 0.361 GPM.

4. At 0700 "A" S/G Primary to Secondary Leak Rate is approximately 450cc/min (0.125 gpm).

5. At 0700 R-15 on Alarm and Reading approximately 4.6×10^4 cpm.

6. At 0730 HP/Chemistry Reports to the Control Room that the "A" S/G calculated primary to secondary Leak Rate is 450cc/min (i.e., 0.125 GPM).

7. At ≈ 0745 Operators start shutting the Plant down in accordance with the O-6.10 and O-2.1 at 10%/hr for 2 hours and then at 20%/hr for the rest of the shutdown.

8. At ≈ 0745 an Unusual Event should be declared, (Steam Generator Tube Leakage > 0.1 GPM as identified by sampling).

9. At 0755 the "A" S/G ARV pops full open and cannot be closed from the Control Room.

10. At 0810 the "A" S/G ARV Isolation Valve is closed.

11. At 0810 the "B" S/G ARV is reported to have a steam leak.
    Note: Isolation of the "B" S/G ARV can occur at any time from now on.

12. At 0815 Annunciator G-22 (ADFCS System Trouble) Alarms.

13. At 0830 CCW System leak of 20 GPM starts.

14. At 0840 the CCW Surge Tank Lo Level Alarm (A-13) annunciates and the CCW level indicates it is decreasing.

15. At 0855 the ADFCS Problem is Repaired.

16. At 0905 the 1A CCW Pump Suction and Discharge Valves are closed isolating the leak. The Electrical Breaker is racked out also.

17. At 0915 the "A" S/G sustains a tube rupture of approximately 700 GPM.

CRITICAL SIMULATOR SET-UP DATA FOR 1992 EMERGENCY PLANNING SIMULATOR RUN
(continued)

18. At ≈ 0930 an alert should be declared.
    (S/G Tube rupture > 100 GPM)

19. At 1000 DI truck arrives on Site.

20. At 1015 the "A" SW Pump trips out -- Annunciator (J-9) alarms.

21. At 1030 a natural gas leak in the Screen House is reported by Auxiliary Operator sent out to check the "A" SW Pump.

22. At 1030 Outside Storage Tank Empty as Reported by Auxiliary Operator.

23. At ≈ 1045 a Site Area Emergency should be declared (entry of uncontrolled flammable gases into vital areas).

24. At 1100 the CST levels decrease below 5 feet.

25. At 1115 Mobile DI truck starts pumping water to OST

26. At 1120 the "A" S/G ARV Mercoid is repaired.

27. At 1145 the "B" S/G ARV steam leak is repaired.

28. At ≈ 1315 the Exercise is terminated.

TABLE 7.2

SIMULATOR SET-UP DATA FOR EXERCISE SCENARIO
(RADIOLOGICAL AND METEOROLOGICAL DATA)

TIME	7:00	7:15	7:30	7:45	8:00	8:15	8:30	8:45	9:00	9:15
SPEED 33	3.7	3.8	3.6	3.8	3.6	3.6	2.6	3.8	3.1	3.8
DIR 33	209	193	202	215	222	194	47	79	52	50
TEMP 33	52.9	52.9	53	53.5	57.7	58.7	59.6	59.8	59.9	60.7
SPEED 150	4.7	4.8	4.5	4.8	4.7	4.5	3.7	5	5.2	4.9
DIR 150	174	184	174	201	202	174	65	85	55	52
TEMP 150	53.3	53.3	53.4	53.5	57.9	58.1	58.8	59.4	59.9	60.7
DT 150 - 33	0.4	0.4	0.4	0	0.2	-0.6	-0.8	-0.4	0	0
SPEED 250	6.1	7.2	7.1	7.2	7.1	7.1	3.5	7.7	9.5	7.5
DIR 250	188	188	158	158	168	158	64	79	57	54
TEMP 250	55.4	55.5	55.5	55.6	58	58	58.9	59	59.3	60.7
DELTA TEMP	2.5	2.6	2.5	2.1	0.3	-0.7	-0.7	-0.8	-0.6	0
R02	6.40E+00	6.40E+00	6.40E+00	6.40E+00	6.40E+00	6.40E+00	6.40E+00	6.40E+00	6.40E+00	6.40E+00
R04	4.40E+00	4.40E+00	4.40E+00	4.40E+00	4.40E+00	4.40E+00	4.40E+00	4.40E+00	4.40E+00	2.30E+01
R07	6.40E+00	6.40E+00	6.40E+00	6.40E+00	6.40E+00	6.40E+00	6.40E+00	6.40E+00	6.40E+00	6.40E+00
R09	3.40E+01	3.40E+01	3.40E+01	3.40E+01	3.40E+01	3.40E+01	3.40E+01	3.40E+01	3.40E+01	1.48E+02
R15	4.66E+04	8.75E+04	1.25E+05	1.25E+05	1.25E+05	1.25E+05	1.25E+05	1.25E+05	1.25E+05	9.99E+06
R19	4.07E+03	4.07E+03	4.07E+03	4.07E+03	4.07E+03	4.07E+03	4.07E+03	4.07E+03	4.07E+03	1.57E+04
R34	9.90E-01	9.90E-01	9.90E-01	9.90E-01	9.90E-01	9.90E-01	9.90E-01	9.90E-01	9.90E-01	9.00E-01
R31	1.02E-02	1.02E-02	1.02E-02	1.02E-02	1.02E-02	1.02E-02	1.02E-02	1.02E-02	1.02E-02	3.02E+00
R32	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02
R15A5	2.33E-03	4.40E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	9.99E-03
R15A6	4.32E-02	4.32E-02	4.32E-02	4.32E-02	4.32E-02	4.32E-02	4.32E-02	4.32E-02	4.32E-02	8.00E-01
R15A7	2.33E-03	4.40E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	1.85E+00
R15A9	2.33E-03	4.40E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	1.85E+00

NOTE: R20A = 106 cpm and R20B = 717 cpm thru entire day.

7-20

TIME	9:35	9:45	9:55	10:00	10:15	10:30	10:45	11:00	11:15	11:30
SPEED 33		4.9		5	4.9	4.8	5.2	4.8	5.6	5.6
DIR 33		49		55	80	80	79	79	80	79
TEMP 33		61.3		61.3	61.3	61.3	61.4	62.4	62.5	62.7
SPEED 150		4.8		5.2	4.8	7.9	5.5	2.8	5.1	8
DIR 150		55		61	72	86	79	79	81	79
TEMP 150		62		62.5	62	62.2	62.5	63.3	62.5	63.9
DT 150 - 33	0	0.7	0	1.2	0.7	0.9	1.1	0.9	0	1.2
SPEED 250		6.9		6.1	6.6	7.8	5.1	5.1	6.8	6.5
DIR 250		54		69	77	89	77	77	69	78
TEMP 250		61.3		61.4	63.3	63	63.5	64.9	64.9	64.8
DELTA TEMP	0	0		0.1	2	1.7	2.1	2.5	2.4	2.1
R02	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00
R04	2.30E+01	2.30E+01	2.30E+01	2.30E+01	2.25E+01	2.18E+01	2.13E+01	2.07E+01	2.01E+01	1.95E+01
R07	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00
R09	1.48E+02	1.48E+02	1.48E+02	1.48E+02	1.46E+02	1.43E+02	1.41E+02	1.38E+02	1.36E+02	1.34E+02
R15	4.41E+06	4.41E+06	1.58E+03	1.58E+03	1.58E+03	1.58E+03	1.58E+03	1.58E+03	1.58E+03	1.58E+03
R19		1.57E+04	1.57E+04	1.57E+04	1.52E+04	1.47E+04	1.42E+04	1.38E+04	1.32E+04	1.28E+04
R34	9.00E-01	9.00E-01	9.00E-01	9.00E-01	9.00E-01	9.00E-01	9.00E-01	9.00E-01	9.00E-01	9.00E-01
R31		3.02E+00	3.02E+00	3.02E+00	2.90E+00	2.85E+00	2.72E+00	2.68E+00	2.50E+00	2.50E+00
R32		1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02
R15A5	9.99E-03	9.99E-03	2.09E-07	2.09E-07	2.09E-07	2.09E-07	2.09E-07	2.09E-07	2.09E-07	2.09E-07
R15A6	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01
R15A7	2.20E-01	2.20E-01	1.30E-05	1.30E-05	1.30E-05	1.30E-05	1.30E-05	1.30E-05	1.30E-05	1.30E-05
R15A9	2.20E-01	2.20E-01	1.27E-03	1.27E-03	1.27E-03	1.27E-03	1.27E-03	1.27E-03	1.27E-03	1.27E-03

7-21

TIME	11:45	12:00	12:15	12:30	12:45	1:00	1:15	1:30	1:45	2:00
SPEED 33	6.2	6.1	6.5	8.5	8.7					
DIR 33	76	77	77	67	65					
TEMP 33	65	65.1	66	69	66					
SPEED 150	6.6	6.5	6.7	7.7	7.9					
DIR 150	77	78	79	69	62					
TEMP 150	65.3	65.3	66.3	66.3	66.3					
DT 150 - 33	0.3	0.2	0.3	-2.7	0.3	0	0	0	0	0
SPEED 250	7.2	7	7.4	7.4	7.9					
DIR 250	70	71	79	69	66					
TEMP 250	66.8	66.8	67.8	67.8	67.8					
DELTA TEMP	1.8	1.7	1.8	-1.2	1.8	0	0	0	0	0
R02	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00
R04	1.89E+01	1.84E+01	1.78E+01	1.72E+01	1.65E+01	1.60E+01				
R07	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00	7.35E+00
R09	1.32E+02	1.29E+02	1.27E+02	1.24E+02	1.22E+02	1.20E+02				
R15	1.58E+03	1.58E+03	1.58E+03	1.58E+03	1.58E+03	1.58E+03	1.58E+03	1.58E+03	1.58E+03	1.58E+03
R19	1.28E+04	1.19E+04	1.14E+04	1.09E+04	1.02E+04	9.90E+03	1.50E+04	1.50E+04	1.50E+04	1.50E+04
R34	9.00E-01	9.00E-01	9.00E-01	9.00E-01	9.00E-01	9.00E-01	9.00E-01	9.00E-01	9.00E-01	9.00E-01
R31	2.42E+00	2.33E+00	2.25E+00	2.18E+00	2.16E+00	1.93E+00	1.87E+00			
R32	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02	1.01E-02
R15A5	2.09E-07	2.09E-07	2.09E-07	2.09E-07	2.09E-07	2.09E-07	2.09E-07	2.09E-07	2.09E-07	2.09E-07
R15A6	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01
R15A7	1.30E-05	1.30E-05	1.30E-05	1.30E-05	1.30E-05	1.30E-05	1.30E-05	1.30E-05	1.30E-05	1.30E-05
R15A9	1.27E-03	1.27E-03	1.27E-03	1.27E-03	1.27E-03	1.27E-03	1.27E-03	1.27E-03	1.27E-03	1.27E-03

7-22

TABLE 7.3

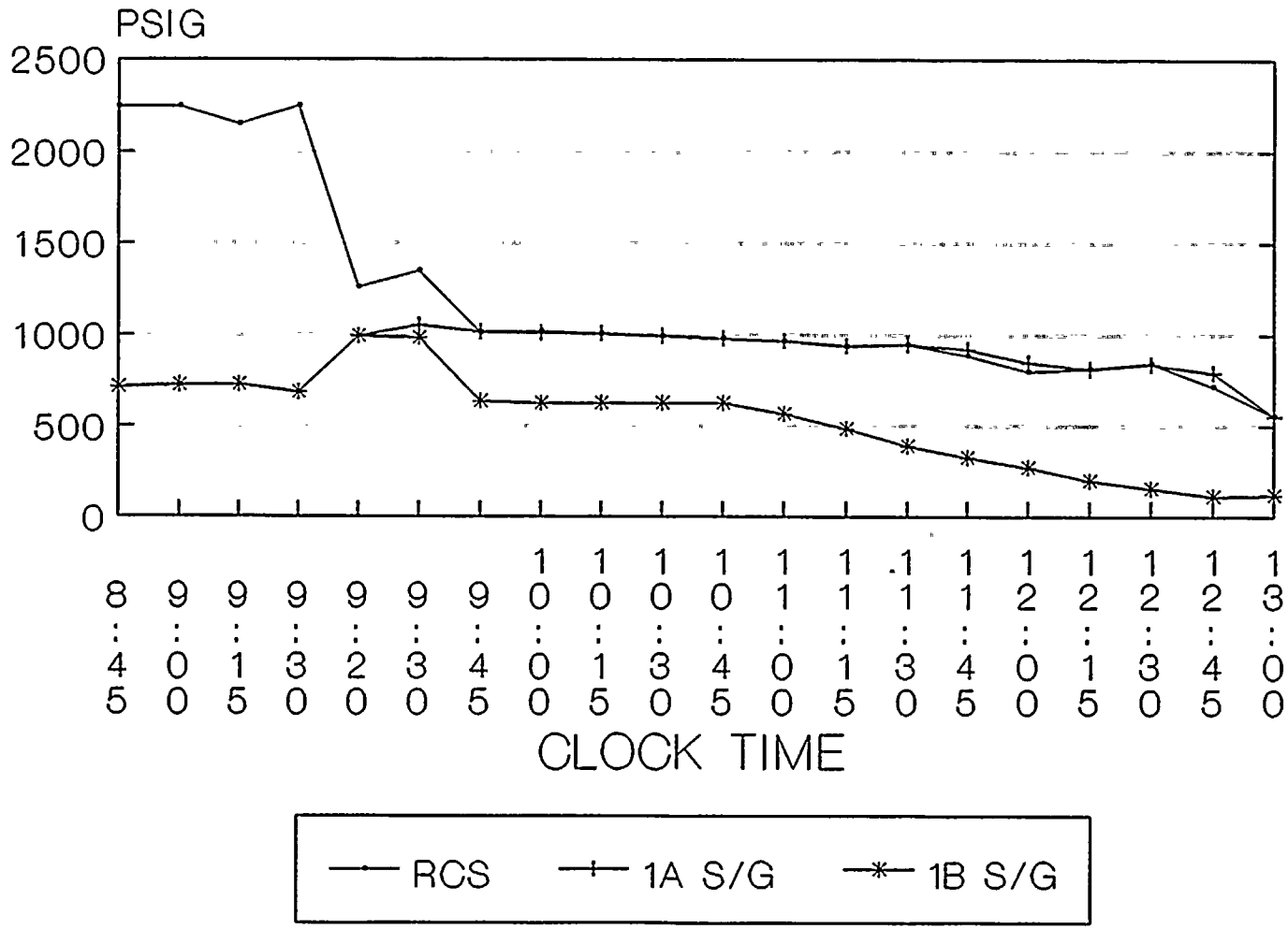
SIMULATOR USE GUIDELINES

TABLE 7.3

SIMULATOR PREPARATION AND USE GUIDELINES

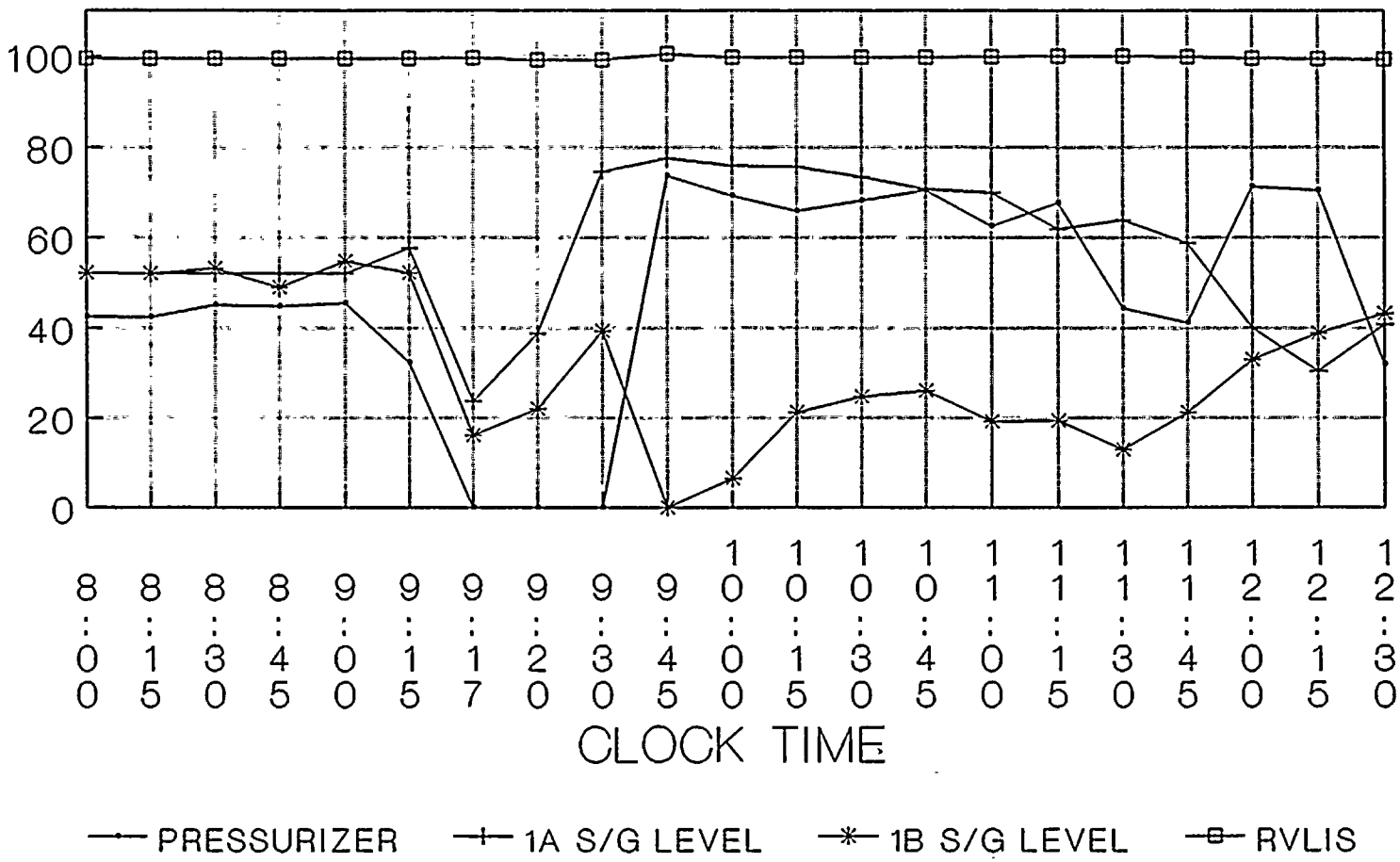
2 Days Prior		
	Test Fax	TSC
	Check batteries in headsets	Sim Lead
1 Day Prior		
	Check EPIP Attachment Supply in Procedure Cabinet	Sim Lead
	Radios for Sim (5)	Sim Lead/CNEP
Exercise Day		
	Transfer RECS, NRC phones	Sim Lead
	Transfer page	Sim Lead
	Check PPCS printer (ON)	Sim Lead
	Disable load dispatch phone	Sim Lead
	Switch over PPCS/SAS per EPIP 5-5	TSC
Turnover		
	788 Prefix	Sim Lead
	Load dispatch #	Sim Lead
	Sim OOC Equipment	Sim Lead
	Operations Supervisor / Present	Sim Lead
	Operations Manager / Present	Sim Lead
	HP / STA location for notification	Sim Lead
After		
	Chain of custody of radios	Sim Lead/CNEP
	Switch back PPCS/SAS per EPIP 5-5	TSC
	Transfer RECS, NRC phones	Sim Lead
	Transfer page	Sim Lead
	Enable load dispatcher phone	Sim Lead

SYSTEM PRESSURES
Reactor Coolant System & Steam Generator

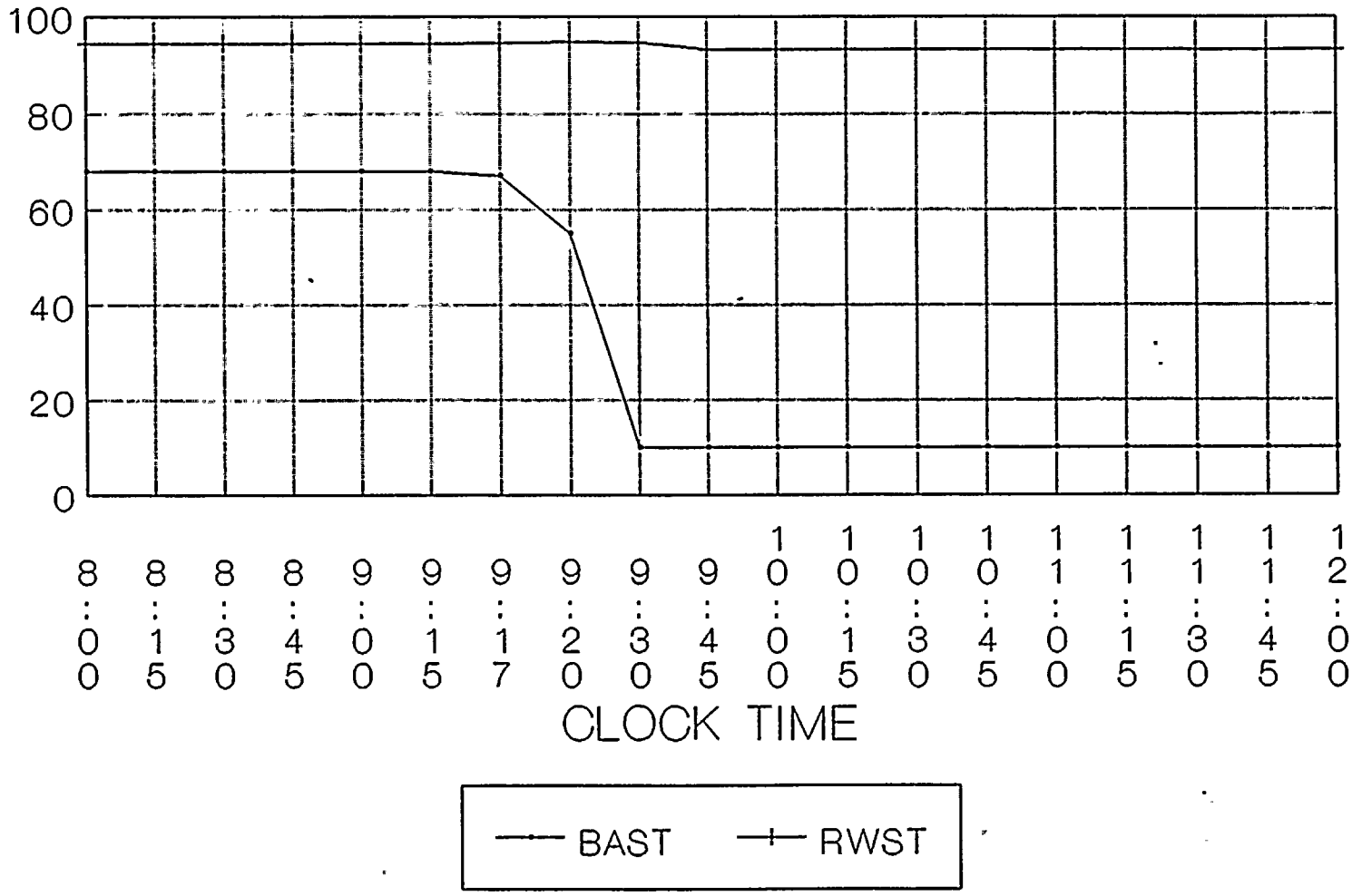


7-25

LEVEL INDICATION TRENDS
PRESSURIZER, S/G, RVLIS (%)



TANK LEVEL TRENDS
BAST, RWST (%)



SECTION 8.0

MESSAGE FORMS AND PLANT DATA SHEETS

MESSAGE INDEX

TIME	MESSAGE NO.	MESSAGE
0700	I.C.	Initial Conditions Established
0715	1.	Announcement to Commence Annual Exposure Exercise
0730	2.	Notification of "A" S/G Leak Rate of 450cc/min
0745	3.	Plant Status
0750	4X.	Unusual Event Contingency Message
0755	5.	"A" S/G ARV Popping Open
0755	6.	Mini-Scenario for "A" S/G ARV Isolation and "B" S/G ARV Leak Detection
0755	7.	"A" S/G ARV Mercoid Control Problem Mini-Scenario
0800	8.	Plant Status
0810	9.	"B" S/G ARV Isolation
0815	10.	Plant Status & ADFCS Trouble
0815	11.	"B" S/G ARV Line Steam Leak Mini-Scenario
0815	12.	MFW Regulating Valves (ADFCS) Trouble Mini-Scenario
0830	13.	Plant Status
0840	14.	CCW Surge Tank Lo Level Alarm
0840	15.	1A CCW Pump Leak Detection and Isolation Mini-Scenario
0845	16.	Plant Status
0850	17	1A CCW Pump Trip
0850	18.	1A CCW Pump Mechanical Seal Failure Mini-Scenario
0850	19.	1 A CCW Pump Motor Problem From Pump Seal Failure Mini-Scenario
0855	20.	ADFCS Problem Repaired
0900	21.	Plant Status
0905	22.	1A CCW Pump Isolated
0915	23.	Plant Status & SGTR in "A" S/G
0917	24.	Plant Status
0920	25.	Plant Status
0930	26.	Plant Status
0930	27X.	Alert Contingency Message
0945	28.	Plant Status
1000	28.1	Mobile DI Truck Mini-Scenario
1000	29	Plant Status and Mobile DI Truck Arrives on Site
1015	30	Plant Status and "A" SW Pump Trip
1015	31.	"A" SW Pump Inspection Mini-Scenario
1030	32.	Natural Gas Leak Detection and Isolation Mini-

MESSAGE INDEX (continued)

TIME	MESSAGE NO.	MESSAGE
1030	33.	Plant Status
1045	34.	Plant Status
1045	35.	Air Evacuation of Screen House Mini-Scenario
1045	36X.	Site Area Emergency Contingency Message
1100	37.	Plant Status
1100	38	"A" SW Pump Problem Mini-Scenario
1100	39	Security Investigation of "B" S/G ARV Drilled Hole Mini-Scenario
1115	40.	Plant Status and Mobile DI Truck Starts Pumping to OST.
1120	41.	"A" S/G ARV Mercoid Repair Complete
1120	42.	Mini-Scenario for "A" S/G ARV Return to Service
1130	43.	Plant Status
1145	44.	The "B" S/G ARV Steam Leak Repair Completed
1145	45.	"B" S/G Return to Service Mini-Scenario
1145	46.	Plant Status
1145	46.1	Mini-Scenario for EOF Telephone System Failure
1145	46.2	Mini-Scenario for Contaminated Individual Arriving at TSC
1200	47.	Plant Status
1215	48.	Plant Status
1230	49.	Plant Status
1245	50.	Plant Status
1300	51.	Plant Status
1315	52.	Plant Status and Termination of Exercise

MINI-SCENARIOS

1. "A" S/G ARV Mercoid Control Problem
   0755 Hours (I&C)

2. "A" S/G ARV Isolation
   0755 Hours (Auxiliary Operator)

3. "B" S/G ARV Leak Detection
   0810 Hours (Auxiliary Operator)

4. "B" S/G ARV Isolation
   0810 Hours (Auxiliary Operator)

5. "B" S/G ARV Steam Leak Repair
   0815 Hours on (Pipefitters and Welder)

6. ADFCS Trouble
   0815 Hours (I&C)

7. 1A CCW Pump Leak Inspection and Isolation
   0840 Hours (Auxiliary Operator)

8. 1A CCW Pump Mechanical Seal Failure
   0850 Hours (Mechanics)

9. 1A CCW Pump Motor Problem from Pump Seal Failure
   0850 Hours (Electricians)

10. Mobile DI Truck on Site, Hook up and Start Pumping,
    1000 (Auxiliary Operator, Security and Chemists

11. 1A Service Water Pump Problem Inspection
    1015 Hours (Auxiliary Operator)

12. Natural Gas Leak Detection in Screen House
    1030 Hours (Auxiliary Operator)

13. Natural Gas and Propane Gas Isolation to Screen House
    1030 Hours (Auxiliary Operator)

14. Air Evacuation of Screen House Air to Remove Natural Gas Concentration
    1045 Hours (Fire And Safety)

15. Security Investigation of the "B" S/G Drilled Hole Steam Leak
1100 Hours (Security)

16. 1A Service Water Pump Problem (Breaker)
1100 Hours (Electricians)

17. "A" S/G ARV Return to Service
1120 Hours (Auxiliary Operator)

18. "B" S/G ARV Return to Service
1145 Hours (Auxiliary Operator)

19. Telephone System Failure in EOF
1145 Hours (EOF Support Staff)

20. Contaminated Individual Arrives at TSC
1145 Hours (Health Physics)

CONTROLLERS FOR MINI-SCENARIOS

A. AUXILIARY OPERATOR CONTROLLERS

1. 0755 "A" S/G ARV Isolation
2. 0810 "B" S/G Leak Detection
3. 0810 "B" S/G Isolation
4. 0845 1A CCW Pump Leak Inspection and Isolation
5. 1000 Mobile DI Truck Operation
6. 1015 1A SW Pump Problem Inspection
7. 1030 Natural Gas Leak Detection in Screen House
8. 1030 Natural Gas and Propane Gas Isolation to Screen House
9. 1120 "A" S/G ARV Return to Service
10. 1145 "B" S/G ARV Return to Service

B. MECHANICS CONTROLLER

1. 0850 1A CCW Pump Mechanical Seal Failure

C. ELECTRICIANS

1. 0850 1A CCW Pump Motor Problem from Pump Seal Failure
2. 1100 1A Service Water Pump Problem (Breaker)

D. PIPEFITTERS AND WELDERS CONTROLLER

1. 0815 "B" S/G ARV Steam Leak

E. I & C CONTROLLERS

1. 0755 "A" S/G ARV Mercoid Control Problem
2. 0815 ADFCS Trouble

F. FIRE AND SAFETY CONTROLLER

1. 1045 Air Evacuation of Screen house Air to Remove Natural Gas Concentration

G. SECURITY CONTROLLER

1. 1100 Investigation of the "B" S/G Drilled Hole Steam Leak
2. 1000 Escort Mobile DI Truck on Site.

H. EOF CONTROLLER

1. 1145 Failure of EOF Telephone System

I. HEALTH PHYSICS CONTROLLER

1. 1145 Contaminated Individual Arrives at TSC

J. CHEMIST CONTROLLER

1. 1000 Hook-up Mobile DI Truck and Start Pumping to OST.

CRITICAL SIMULATOR SET-UP DATA FOR 1992 EMERGENCY PLANNING SIMULATOR RUN

1. At 0700 Equipment Set-up -- See 0700 Plant Status sheet.

2. At 0700 Reactor Core is in MOL (571 PPM Boron).

3. At 0700 RCS Leak Rate is 0.361 GPM.

4. At 0700 "A" S/G Primary to Secondary Leak Rate is approximately 450cc/min (0.125 gpm).

5. At 0700 R-15 on Alarm and Reading approximately 4.6×10^4 cpm.

6. At 0730 HP/Chemistry Reports to the Control Room that the "A" S/G calculated primary to secondary Leak Rate is 450cc/min (i.e., 0.125 GPM).

7. At ≈ 0745 Operators start shutting the Plant down in accordance with the O-6.10 and O-2.1 at 10%/hr for 2 hours and then at 20%/hr for the rest of the shutdown.

8. At ≈ 0745 an Unusual Event should be declared, (Steam Generator Tube Leakage > 0.1 GPM as identified by sampling).

9. At 0755 the "A" S/G ARV pops full open and cannot be closed from the Control Room.

10. At 0810 the "A" S/G ARV Isolation Valve is closed.

11. At 0810 the "B" S/G ARV is reported to have a steam leak.
    Note: Isolation of the "B" S/G ARV can occur at any time from now on.

12. At 0815 Annunciator G-22 (ADFCS System Trouble) Alarms.

13. At 0830 CCW System leak of 20 GPM starts.

14. At 0840 the CCW Surge Tank Lo Level Alarm (A-13) annunciates and the CCW level indicates it is decreasing.

15. At 0855 the ADFCS Problem is Repaired.

16. At 0905 the 1A CCW Pump Suction and Discharge Valves are closed isolating the leak. The Electrical Breaker is racked out also.

17. At 0915 the "A" S/G sustains a tube rupture of approximately 700 GPM.

CRITICAL SIMULATOR SET-UP DATA FOR 1992 EMERGENCY PLANNING SIMULATOR RUN
(continued)

18. At ≈ 0930 an alert should be declared.
    (S/G Tube rupture > 100 GPM)

19. At 1000 DI truck arrives on Site.

20. At 1015 the "A" SW Pump trips out -- Annunciator (J-9) alarms.

21. At 1030 a natural gas leak in the Screen House is reported by Auxiliary Operator sent out to check the "A" SW Pump.

22. At 1030 Outside Storage Tank Empty as Reported by Auxiliary Operator.

23. At ≈ 1045 a Site Area Emergency should be declared (entry of uncontrolled flammable gases into vital areas).

24. At 1100 the CST levels decrease below 5 feet.

25. At 1115 Mobile DI truck starts pumping water to OST

26. At 1120 the "A" S/G ARV Mercoid is repaired.

27. At 1145 the "B" S/G ARV steam leak is repaired.

28. At ≈ 1315 the Exercise is terminated.

Time: 0700
Message: IC

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) Review initial conditions and Plant status sheets with the Exercise operating crew.

2) Review Exercise precautions/limitations and any Exercise activities that are normal (pre-staging, simulated notifications, extent of participation of offsite agencies, etc.).

3) Ensure that the operating crew understands that the Exercise is not to interfere with safe Plant operations.

4) Explain that abbreviation "OOS" means "out of service," i.e. repairs must be made before the equipment can be used.

Anticipated Results:

1) Participants should review conditions, Plant data, and other procedures as applicable.

GINNA STATION
1992 EMERGENCY PREPAREDNESS EXERCISE
INITIAL CONDITIONS

1. The R. E. Ginna Nuclear Power Plant is operating at approximately 97% rated thermal power. The Plant has been operating at this power level continuously for approximately 150 days.

2. The "A" Steam Generator (S/G) primary to secondary leak rate increased approximately five (5) days ago to a calculated 60cc/min. At approximately 0630 hours this morning the primary to secondary leak rate has again increased significantly as indicated by a substantial increase in Radiation Monitor R-15 (Air Ejector). Radiation Monitor R-19 (S/G Blowdown) has also indicated an increase in activity. The Health Physics/Chemistry Department is in the process of analyzing samples to determine the calculated leak rate.

3. Equilibrium primary coolant isotopic activity as of 0300 hours (10/8/92) is provided in Table 9.2 of Scenario Section 9.3. Total activity is 2.56 microcuries/gram. Chemistry data is provided on Exercise Chemistry Log Sheet, available from the Controller.

4. The Reactor Coolant System (RCS) total leakage is 0.361 gpm as of 0400 hours this morning and has been increasing. Identified RCS leakage is 0.073 gpm.

5. General weather conditions are partly cloudy with no current precipitation. For purposes of the Exercise, additional meteorological information in the Simulator Control Room should be obtained from the Plant Process Computer System (PPCS).

6. The Primary Water Treatment Plant is secured for major maintenance that will take approximately three (3) days. The 100,000 gallon Outside Condensate Storage Tank is at 20% level. a demineralizer trailer has been ordered and is scheduled to arrive at 1300 hours today.

7. The House Heating Boiler is in service and nuclear steam is secured and held.

8. Provide general weather (clear conditions)

9. Provide initial conditions turnover paperwork.

1992 EVALUATED EXERCISE Time: 0700

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	0 CPS
N-32	0 CPS
N-35	6.9E-4 AMPS
N-36	6.4E-4 AMPS
Avg. Nuclear Power	97.2 %
RCS Pressure	2252 PSIG
PRZR Level	47.9 %
A RCP	RUNNING/STOPPED
B RCP	RUNNING/STOPPED
1A S/G Level	52.1 %
1B S/G Level	52.1 %
1A S/G Pressure	692 PSIG
1B S/G Pressure	690 PSIG
Turbine/Generator	ONLINE/OFFLINE
4 KV Buses	ENERGIZED/DEENERGIZED
480V Buses	ENERGIZED/DEENERGIZED
DC Batteries	A/130 VOLTS B/130 VOLTS
Cnmt Pressure	.17 PSIG
Cnmt Sump A Level	1.6 FEET
Cnmt Sump B Level	<8 INCHES
A Loop Hot Leg	600.7 OF
A Loop Cold Leg	543.3 OF
B Loop Hot Leg	600.7 OF
B Loop Cold Leg	544.6 OF
RVLIS	99.3 %
*CET	604.5 OF
S/G A Total Aux FW Flow	0 GPM
S/G B Total Aux FW Flow	0 GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 21 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps
FI-924 0 GPM
FI-925 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 68 %

Low Head S.I. Pumps
FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 94.5 %

Containment Spray Pumps
FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 81/73 PSIG

Component Cooling Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 50 %

Standby Aux. Feedwater Pumps
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	GOOD	
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	GOOD	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	6.91829-04	INHB	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	6.42686-04	INHB	AMP
7	NP	AVERAGE NUCLEAR POWER	97.15	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2252.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	47.9	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	98.5	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	97.3	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	45.4	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	52.1	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	52.1	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	692.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	690.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 161372	NOT TRIP	GOOD	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	PCV	CONTAINMENT AVERAGE PRESSURE	.17	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	1.6	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	600.7	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	600.7	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	543.3	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	544.6	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	572.0	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	572.7	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.3	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	604.5	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	81.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	73.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
07:01:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	3.7	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	209.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	52.9	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	55.4	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	2.5	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.40678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.40701+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
[illegible]	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
[illegible]	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	4.07174+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	4.66390+04	HALM	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	2.33589-03	HALM	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	2.33337-03	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.33436-03	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.02040-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
[illegible]	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
[illegible]	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

E-O-J

Time: 0715
Message: 1

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

Make the following PA announcement after sounding the "Attention" signal:

> "Attention; Attention all personnel. The Ginna Nuclear Station is now starting its 1992 Emergency Preparedness Evaluated Exercise. All Exercise messages must be started and ended with
> **'THIS IS AN EXERCISE'."**
> Announce twice.

FOR CONTROLLER USE ONLY

Controller Notes:

1) Ensure that the PA announcement is made.

Anticipated Results:

1) Simulator Control Room makes the PA announcement.

1992 EVALUATED EXERCISE Time: 0715

MAJOR PARAMETERS

Reactor Shutdown	YES/NO	
N-31	0	CPS
N-32	0	CPS
N-35	6.9E-4	AMPS
N-36	6.4E-4	AMPS
Avg. Nuclear Power	97.2	%
RCS Pressure	2252	PSIG
PRZR Level	48.0	%
A RCP	RUNNING/STOPPED	
B RCP	RUNNING/STOPPED	
1A S/G Level	52.1	%
1B S/G Level	52.1	%
1A S/G Pressure	692	PSIG
1B S/G Pressure	690	PSIG
Turbine/Generator	ONLINE/OFFLINE	
4 KV Buses	ENERGIZED/DEENERGIZED	
480V Buses	ENERGIZED/DEENERGIZED	
DC Batteries	A 130 VOLTS	B 130 VOLTS
Cnmt Pressure	.11	PSIG
Cnmt Sump A Level	1.6	FEET
Cnmt Sump B Level	< 8	INCHES
A Loop Hot Leg	600.7	OF
A Loop Cold Leg	543.3	OF
B Loop Hot Leg	600.7	OF
B Loop Cold Leg	544.6	OF
RVLIS	99.3	%
*CET	604.5	OF
S/G A Total Aux FW Flow	0	GPM
S/G B Total Aux FW Flow	0	GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 21 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps
FI-924 0 GPM
FI-925 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 68 %

Low Head S.I. Pumps
FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 94.5 %

Containment Spray Pumps
FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 81/73 PSIG

Component Cooling Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 50 %

Standby Aux. Feedwater Pumps
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	GOOD	
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	GOOD	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	6.91829-04	INHB	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	6.42686-04	INHB	AMP
7	NP	AVERAGE NUCLEAR POWER	97.16	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2252.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	48.0	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	98.5	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	97.3	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	45.4	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	52.1	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	52.1	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	692.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	690.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	PCV	CONTAINMENT AVERAGE PRESSURE	.11	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	1.6	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	600.7	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	600.7	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	543.3	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	544.6	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	572.0	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	572.7	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.3	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	604.5	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	81.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	73.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
07:15:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	3.8	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	193.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	52.9	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	55.5	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	2.6	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.40678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.40701+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	4.07174+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.75390+04	HALM	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	4.39589-03	HALM	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	4.39337-03	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	4.39436-03	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.02040-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

E-O-J

Time: 0730
Message: 2

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

The "A" S/G calculated leak rate is approximately 450cc/min.

FOR CONTROLLER USE ONLY

Controller Notes:

1) This message to be called into the Simulator Control Room by the Simulator operator acting as the HP technician.

Anticipated Results:

1) Operators should begin performing the Applicable Actions of Operating Procedure O-6.10 (Plant Operation with Steam Generator Tube Leak Indication).

2) An orderly Plant shutdown should commence to be in Hot Shutdown within six (6) hours and to be less than 350°F in the RCS within the next six (6) hours as required by Plant Technical Specifications.

3) An Unusual Event should be declared in accordance with EPIP 1-0, "Ginna Station Event Evaluation and Classification," EAL: Steam Generator Tube Rupture (SGTR); Steam Generator Tube Leakage >.1gpm as identified by sampling or EAL: Reactor Coolant Leakage (RCS); Steam Generator Tube Leakage>.1gpm as identified by sampling. Appropriate offsite notifications should be made per EPIP 1-5.

4) Operators should also be performing the applicable actions of the following procedures:

   a) EPIP 1-1 (Unusual Event)
   b) EPIP 5-7 (Emergency Organization)
   c) O-9.3 (NRC Immediate Notification).

1992 EVALUATED EXERCISE Time: 0730

MAJOR PARAMETERS

Reactor Shutdown	YES/NO	
N-31	0	CPS
N-32	0	CPS
N-35	6.9E-4	AMPS
N-36	6.4E-4	AMPS
Avg. Nuclear Power	97.2	%
RCS Pressure	2252	PSIG
PRZR Level	48.1	%
A RCP	RUNNING/STOPPED	
B RCP	RUNNING/STOPPED	
1A S/G Level	52.1	%
1B S/G Level	52.1	%
1A S/G Pressure	692	PSIG
1B S/G Pressure	690	PSIG
Turbine/Generator	ONLINE/OFFLINE	
4 KV Buses	ENERGIZED/DEENERGIZED	
480V Buses	ENERGIZED/DEENERGIZED	
DC Batteries	A 130 VOLTS	B 130 VOLTS
Cnmt Pressure	.08	PSIG
Cnmt Sump A Level	1.7	FEET
Cnmt Sump B Level	<8	INCHES
A Loop Hot Leg	600.7	0F
A Loop Cold Leg	543.3	0F
B Loop Hot Leg	600.7	0F
B Loop Cold Leg	544.6	0F
RVLIS	99.3	%
*CET	604.5	0F
S/G A Total Aux FW Flow	0	GPM
S/G B Total Aux FW Flow	0	GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 21 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps
FI-924 0 GPM
FI-925 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 68 %

Low Head S.I. Pumps
FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 94.5 %

Containment Spray Pumps
FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 81/73 PSIG

Component Cooling Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 50 %

Standby Aux. Feedwater Pumps
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	GOOD	
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	GOOD	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	6.91829-04	INHB	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	6.42686-04	INHB	AMP
7	NP	AVERAGE NUCLEAR POWER	97.15	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2252.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	48.1	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	98.5	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	97.3	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	45.4	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	52.1	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	52.1	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	692.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	690.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	PCV	CONTAINMENT AVERAGE PRESSURE	.08	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	1.7	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	600.7	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	600.7	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	543.3	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	544.6	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	572.0	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	572.7	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.3	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	604.5	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	81.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	73.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
07:31:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	3.6	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	202.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	53.0	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	55.5	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	2.5	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.40678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.40701+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
[illegible]	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
[illegible]	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	4.07174+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.25835+05	HALM	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	6.29179-03	HALM	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	6.29392-03	HWRN	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	6.29436-03	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.02040-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
[illegible]	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

E-O-J

Time: 0745
Message: 3

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

Anticipated Results:

1) Operators should be performing the applicable actions of the following procedures:

   a) O-6.10 (Plant Operation With Steam Generator Tube Leak Indication).
   b) O-2.1 (Normal Shutdown to Hot Shutdown).
   c) S-3.3C (H_2 or O_2 Removal From Primary System by Burping Volume Control Tank With N_2).
   d) S-3.3D (CVCS Cation Demineralizer BED Operations Using Deborating DI A Unit.

1992 EVALUATED EXERCISE Time: 0745

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	0 CPS
N-32	0 CPS
N-35	6.8E-4 AMPS
N-36	6.3E-4 AMPS
Avg. Nuclear Power	96.2 %
RCS Pressure	2280 PSIG
PRZR Level	48.7 %
A RCP	RUNNING/STOPPED
B RCP	RUNNING/STOPPED
1A S/G Level	52.2 %
1B S/G Level	52.2 %
1A S/G Pressure	700 PSIG
1B S/G Pressure	698 PSIG
Turbine/Generator	ONLINE/OFFLINE
4 KV Buses	ENERGIZED/DEENERGIZED
480V Buses	ENERGIZED/DEENERGIZED
DC Batteries	A/130 VOLTS B/130 VOLTS
Cnmt Pressure	.06 PSIG
Cnmt Sump A Level	1.7 FEET
Cnmt Sump B Level	<8 INCHES
A Loop Hot Leg	600.9 OF
A Loop Cold Leg	544.1 OF
B Loop Hot Leg	600.9 OF
B Loop Cold Leg	545.4 OF
RVLIS	99.3 %
*CET	604.6 OF
S/G A Total Aux FW Flow	0 GPM
S/G B Total Aux FW Flow	0 GPM

DIESEL GENERATORS

A.	RUNNING/UNLOADED/STBY/OOS
B.	RUNNING/UNLOADED/STBY/OOS
TSC	RUNNING/UNLOADED/STBY/OOS
Security	RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps

1A.	INSERV/STBY/OOS
1B.	INSERV/STBY/OOS
Turb. Driven	INSERV/STBY/OOS
CST Level	21 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps

FI-924	0 GPM
FI-925	0 GPM
1A.	INSERV/STBY/OOS
1B.	INSERV/STBY/OOS
1C.	INSERV/STBY/OOS
BAST Level =	68 %

Low Head S.I. Pumps

FI-626	0 GPM
1A.	INSERV/STBY/OOS/RECIRC
1B.	INSERV/STBY/OOS/RECIRC
RWST Level =	94.5 %

Containment Spray Pumps

FI-931A	0 GPM
FI-931B	0 GPM
1A.	INSERV/STBY/OOS
1B.	INSERV/STBY/OOS
NaOH Tank Level =	94 %

Containment Recirc Fans

1A.	INSERV/STBY/OOS
1B.	INSERV/STBY/OOS
1C.	INSERV/STBY/OOS
1D.	INSERV/STBY/OOS
Post Accident Dampers	OPEN/CLOSED

Service Water Pumps

1A.	INSERV/STBY/OOS
1B.	INSERV/STBY/OOS
1C.	INSERV/STBY/OOS
1D.	INSERV/STBY/OOS
A&B Header Pressure	81/73 PSIG

Component Cooling Water Pumps

1A.	INSERV/STBY/OOS
1B.	INSERV/STBY/OOS
Surge Tank Level =	50 %

Standby Aux. Feedwater Pumps

1C.	INSERV/STBY/OOS
1D.	INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	GOOD	
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	GOOD	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	6.85487-04	INHB	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	6.36793-04	INHB	AMP
7	NP	AVERAGE NUCLEAR POWER	96.19	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2280.	HWRN	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	48.7	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	98.4	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	97.3	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	47.2	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	52.2	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	52.2	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	700.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	698.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	PCV	CONTAINMENT AVERAGE PRESSURE	.06	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	1.7	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	600.9	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	600.9	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	544.1	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.4	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	572.5	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	573.1	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.3	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	604.6	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	81.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	73.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-0-J

OGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
07:46:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	3.8	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	215.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	53.5	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	55.6	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	2.1	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.40678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.40701+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	4.07174+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.25835+05	HALM	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	6.29179-03	HALM	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	6.29392-03	HWRN	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	6.29436-03	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.02040-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

-J

Time: 0750
Message: 4X

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room Shift Supervisor

Simulated Plant Conditions:

Message: ***THIS IS AN EXERCISE***

Declare an UNUSUAL EVENT in accordance with EPIP 1-0, "Ginna Station Event Evaluation and Classification," EAL: Steam Generator Tube Rupture (SGTR); Steam Generator Tube Leakage >.1 gpm as identified by sampling or EAL: Reactor Coolant Leakage (RCS); Steam Generator Tube Leakage>.1 gpm as identified by sampling.

FOR CONTROLLER USE ONLY

Controller Notes:

1) Deliver only if an Unusual Event has not been declared. Do not deliver if Emergency Classification discussions are in progress.

Anticipated Results:

1) Deliver contingency message if Unusual Event not declared or is not being discussed.

Time: 0755
Message: 5

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions:

Message: ***THIS IS AN EXERCISE***

The "A" S/G ARV has inadvertently opened.

FOR CONTROLLER USE ONLY

Controller Notes:

1) When operators try to manually close the "A" S/G ARV, it will not close.

2) Controller to go with Auxiliary Operator sent to Steam Header with Mini-Scenarios for "A" & "B" S/G ARV problems.

Anticipated Results:

1) Operator should shift the "A" S/G ARV Controller to manual and try to close it.

2) Control Room should send an Auxiliary Operator to the Steam Header area to close the isolation valve on the "A" S/G ARV when it cannot be closed from the Control Board.

Time: 0755
Message: 6

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Auxiliary Operator sent to isolate the "A" S/G ARV

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) Provide information verbally when appropriate actions are simulated or investigations are made by the Auxiliary Operators sent to isolate the "A" S/G ARV.

Anticipated Results:

1) As per Mini-Scenario Anticipated Results.

GINNA STATION

1992 EVALUATED EXERCISE

MINI-SCENARIO

Activity:

Isolation of "A" S/G ARV and steam leak detection on the "B" S/G ARV.

FOR CONTROLLER USE ONLY

Controller Notes:

1) Ensure Auxiliary Operator (AO) simulates closing manual valve 3507 ("A" S/G ARV Isolation Valve).

2) Ensure AO simulates checking manual valve 3507A ("A" S/G ARV Isolation Valve, Bypass Valve) closed.

3) After AO completes simulating the isolation of the "A" S/G ARV, but prior to informing the Control Room, Controller must notify Simulator Control Booth Operator at Ext. 6641 that the valve is isolated. Inform the AO that the "B" S/G ARV inlet steam line has a moderate leak on it between the ARV and the isolation valves (see attached sketch).

4) If the Control Room requests the AO to isolate the "B" S/G ARV, after being informed of the leak, use the "Isolation of 'B' S/G ARV" Mini-Scenario.

ANTICIPATED RESULTS

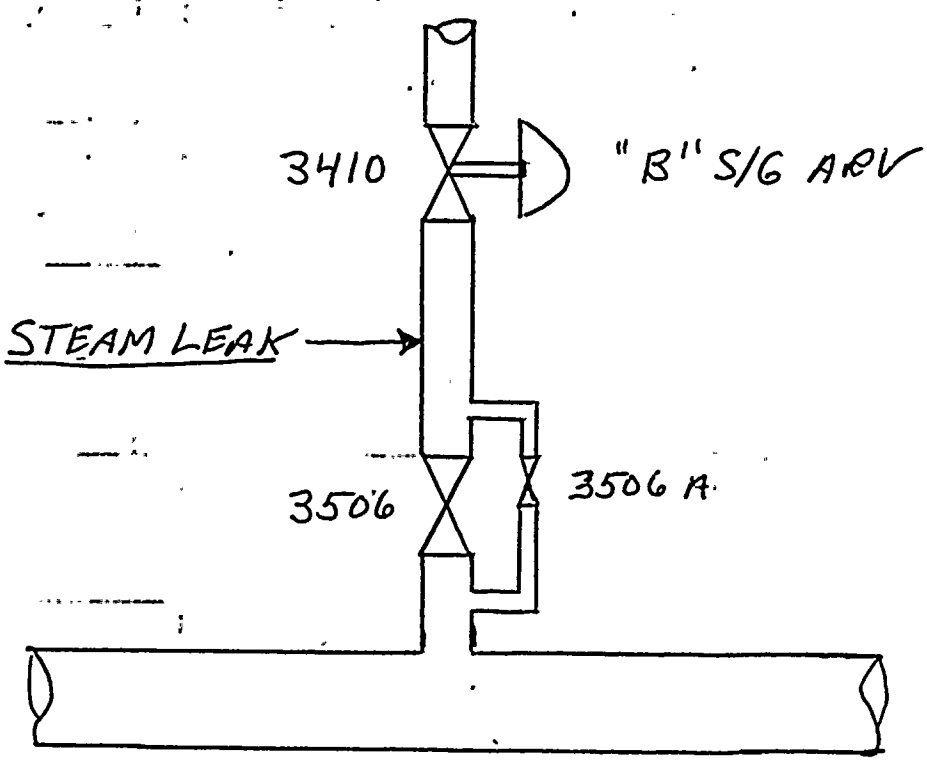
1) AO should simulate isolating the "A" S/G ARV.

2) AO, after simulating the isolation of the "A" S/G ARV and being informed of the "B" S/G ARV steam line leak, should inform Control Room of the isolation and leak.

ROCHESTER GAS AND ELECTRIC CORPORATION

49-169 S

GINNA STATION:	DATE:	PAGE OF
JOB: SKETCH OF "B" S/G ARV STEAM LEAK	MADE BY: WNB	



Time: 0755
Message: 7

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Repair Team checking out and repairing "A" S/G ARV Mercoid control problem.

Simulated Plant Conditions: See Attached Mini-Scenario

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) Provide information verbally when appropriate investigations are made by the Repair Team.

Anticipated Results:

1) As per Mini-Scenario Anticipated Results.

GINNA STATION

1992 EVALUATED EXERCISE

MINI-SCENARIO

Activity: Inadvertent Lifting of ARV-3411 - "A" S/G ARV Mercoid Control Problem Repair Team (Checking Problem and Repair).

Initial Conditions:

Method of Initiation:

Loud noise heard in Control Room and throughout plant.

ARV-3411 open light lit; closed light extinguished.

Indications:

ARV-3411
1. Controller output level reads zero.
2. Open light lit.
3. Closed light extinguished.
4. Computer alarm.

Expected Sequence of Actions:

1. Operations manually isolates ARV-3411.
2. I/C will be called in to troubleshoot and repair.
3. I/C should monitor the following:
   - HC-468 output meter at zero.
   - ARV-3411 valve positioner:
     Input signal at 2 psi
     Output pressure at 0 psi
   - Solenoid 3411S energized.
   - PS-2092 has mercury in trip position.
4. I/C should replace mercoid switch with spare.

Final Condition:

I/C replaces and calibrates PS-2092.
Turns over to Operations for functional check.

Time: 0800
Message: 8

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: SEE ATTACHED SHEETS

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

Anticipated Results:

1) Operators should be performing the applicable actions of the following procedures:

   a) O-6.10 (Plant Operation with Steam Generator Tube Leak Indication).
   b) O-2.1 (Normal shutdown to hot shutdown).
   c) S-3.3C (H_2 or O_2 Removal from Primary System by Burping Volume Control Tank with N_2)
   d) S-3.3D (CVCS Cation Demineralizer BED operations using Deborating DI A Unit).

2) The Plant Manager, Operations Assessment Manager and Duty Engineer should be manning the TSC for offsite Communications assistance per EPIP 1-5.

1992 EVALUATED EXERCISE Time: 0800

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	0 CPS
N-32	0 CPS
N-35	7.0E-4 AMPS
N-36	6.5E-4 AMPS
Avg. Nuclear Power	98.6 %
RCS Pressure	2263 PSIG
PRZR Level	44.7 %
A RCP	RUNNING/STOPPED
B RCP	RUNNING/STOPPED
1A S/G Level	52.2 %
1B S/G Level	52.1 %
1A S/G Pressure	666 PSIG
1B S/G Pressure	668 PSIG
Turbine/Generator	ONLINE/OFFLINE
4 KV Buses	ENERGIZED/DEENERGIZED
480V Buses	ENERGIZED/DEENERGIZED
DC Batteries	A/130 VOLTS B/130 VOLTS
Cnmt Pressure	.06 PSIG
Cnmt Sump A Level	1.8 FEET
Cnmt Sump B Level	2.8 INCHES
A Loop Hot Leg	598.7 0F
A Loop Cold Leg	539.9 0F
B Loop Hot Leg	598.7 0F
B Loop Cold Leg	541.6 0F
RVLIS	99.5 %
*CET	602.3 0F
S/G A Total Aux FW Flow	0 GPM
S/G B Total Aux FW Flow	0 GPM

DIESEL GENERATORS

A.	RUNNING/UNLOADED/STBY/OOS
B.	RUNNING/UNLOADED/STBY/OOS
TSC	RUNNING/UNLOADED/STBY/OOS
Security	RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps

1A.	INSERV/STBY/OOS
1B.	INSERV/STBY/OOS
Turb. Driven	INSERV/STBY/OOS
CST Level	21 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps

FI-924	0 GPM
FI-925	0 GPM
1A.	INSERV/STBY/OOS
1B.	INSERV/STBY/OOS
1C.	INSERV/STBY/OOS
BAST Level =	68 %

Low Head S.I. Pumps

FI-626	0 GPM
1A.	INSERV/STBY/OOS/RECIRC
1B.	INSERV/STBY/OOS/RECIRC
RWST Level =	94.5 %

Containment Spray Pumps

FI-931A	0 GPM
FI-931B	0 GPM
1A.	INSERV/STBY/OOS
1B.	INSERV/STBY/OOS
NaOH Tank Level =	94 %

Containment Recirc Fans

1A.	INSERV/STBY/OOS
1B.	INSERV/STBY/OOS
1C.	INSERV/STBY/OOS
1D.	INSERV/STBY/OOS
Post Accident Dampers	OPEN/CLOSED

Service Water Pumps

1A.	INSERV/STBY/OOS
1B.	INSERV/STBY/OOS
1C.	INSERV/STBY/OOS
1D.	INSERV/STBY/OOS
A&B Header Pressure	81/73 PSIG

Component Cooling Water Pumps

1A.	INSERV/STBY/OOS
1B.	INSERV/STBY/OOS
Surge Tank Level =	50 %

Standby Aux. Feedwater Pumps

1C.	INSERV/STBY/OOS
1D.	INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	GOOD	
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	GOOD	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	7.01454-04	INHB	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	6.51626-04	INHB	AMP
7	NP	AVERAGE NUCLEAR POWER	98.61	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2263.	HWRN	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	44.7	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	98.9	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	97.8	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	47.8	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	52.2	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	52.1	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	666.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	668.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	PCV	CONTAINMENT AVERAGE PRESSURE	.06	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	1.8	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE'	598.7	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	598.7	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	539.9	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	541.6	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	569.3	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	570.2	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.5	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	602.3	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	81.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	73.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-0-J

OGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
08:00:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	3.6	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	222.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	57.7	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	58.0	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	0.3	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.40678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.40701+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
[illegible]	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
[illegible]	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	4.07174+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.25835+05	HALM	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	6.29179-03	HALM	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	6.29392-03	HWRN	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	6.29436-03	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.02040-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

[illegible]-J

Time: 0810
Message: 9

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Auxiliary Operator sent to isolate the "B" S/G ARV

Simulated Plant Conditions: See Attached Mini-Scenario

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) Provide information verbally when appropriate actions are simulated by the Auxiliary Operator sent to isolate the "B" S/G ARV.

Anticipated Results:

1) As per Mini-Scenario Anticipated Results.

GINNA STATION

1992 EVALUATED EXERCISE

MINI-SCENARIO

Activity: Isolation of "B" S/G ARV

FOR CONTROLLER USE ONLY

Controller Notes:

1) Ensure Auxiliary Operator (AO) simulates closing manual valve 3506 ("B" S/G ARV Isolation Valve).

2) Ensure AO simulates checking manual Valve 3506A ("B" S/G ARV Isolation Valve, Bypass Valve) closed.

3) The isolation of the "B" S/G ARV must be considered done and reported to Control Room/TSC prior to 1045.

Anticipated Results:

1) AO should simulate isolating the "B" S/G ARV.

2) AO should inform the Control Room of the "B" S/G ARV isolation.

Time: 0815
Message: 10

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

The following annunciators are received:

- G-22 (ADFCS System Trouble)

FOR CONTROLLER USE ONLY

Controller Notes:

1) When operators check the Control Board, inform them that the "MFW Reg Valves are controlling and all Control Board indications are normal.

Anticipated Results:

1) Operators should perform the applicable actions of AR-G-22 and ER-INST.1.

2) Operators should check the S/G levels to ensure proper level control.

3) Operators should simulate checking the ADFCS Printer for cause of failure (ADFCS printer read out on attached Mini-Scenario).

4) Operators should inform the people manning the TSC and I&C Department of the ADFCS problem.

5) Operators should inform people manning the TSC of the "B" S/G ARV line steam leak.

Time: 0815
Message: 10
Continued

6) Operators may request Auxiliary Operator to isolate the "B" S/G ARV.

7) Operators should inform the people manning the TSC of the "A" S/G ARV problem and isolation.

8) Operators continue shutting the Plant down per O-2.1.

9) People manning the TSC may request the "B" S/G ARV be isolate or may wait until Maintenance personnel have inspected it.

10) People manning the TSC amy inform Control that they will take actions to have Maintenance personnel inspect for the "A" and "B" S/G ARV problems.

1992 EVALUATED EXERCISE Time: 0815

MAJOR PARAMETERS

Reactor Shutdown	YES/NO	
N-31	0	CPS
N-32	0	CPS
N-35	6.6E-4	AMPS
N-36	6.1E-4	AMPS
Avg. Nuclear Power	93.5	%
RCS Pressure	2264	PSIG
PRZR Level	47.9	%
A RCP	RUNNING/STOPPED	
B RCP	RUNNING/STOPPED	
1A S/G Level	52.0	%
1B S/G Level	52.1	%
1A S/G Pressure	703	PSIG
1B S/G Pressure	701	PSIG
Turbine/Generator	ONLINE/OFFLINE	
4 KV Buses	ENERGIZED/DEENERGIZED	
480V Buses	ENERGIZED/DEENERGIZED	
DC Batteries	A/130 VOLTS	B/130 VOLTS
Cnmt Pressure	.06	PSIG
Cnmt Sump A Level	1.8	FEET
Cnmt Sump B Level	<8	INCHES
A Loop Hot Leg	599.2	0F
A Loop Cold Leg	543.5	0F
B Loop Hot Leg	599.2	0F
B Loop Cold Leg	544.8	0F
RVLIS	99.3	%
*CET	602.6	0F
S/G A Total Aux FW Flow	0	GPM
S/G B Total Aux FW Flow	0	GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 21 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps
FI-924 0 GPM
FI-925 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 68 %

Low Head S.I. Pumps
FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 94.5 %

Containment Spray Pumps
FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 82/73 PSIG

Component Cooling Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 50 %

Standby Aux. Feedwater Pumps
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	GOOD	
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	GOOD	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	6.66807-04	INHB	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	6.16593-04	INHB	AMP
7	NP	AVERAGE NUCLEAR POWER	93.56	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2264.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	47.9	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	98.4	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	97.3	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	47.9	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	52.0	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	52.1	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	703.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	701.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	PCV	CONTAINMENT AVERAGE PRESSURE	.06	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	1.8	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	599.2	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	599.2	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	543.5	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	544.8	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	571.3	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	572.0	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.3	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	602.6	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	82.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	73.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-0-J

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	3.6	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	194.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	58.7	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	58.0	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.7	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.40678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.40701+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	4.07174+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.25835+05	HALM	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	6.29179-03	HALM	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	6.29392-03	HWRN	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	6.29436-03	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.02040-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

Time: 0815
Message: 11

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: "B" S/G ARV Line Steam Leak Repair Team

Simulated Plant Conditions: See Attached Mini-Scenario

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) Provide information verbally when appropriate investigations are made by the "B" S/G ARV Line Steam Leak Repair Team.

Anticipated Results:

2) As per Mini-Scenario Anticipated Results.

GINNA STATION

1992 EVALUATED EXERCISE

MINI-SCENARIO

Activity: "B" S/G ARV Line Steam Leak Investigation and Repair

---

Initial Conditions:

Steam pressure at Main Steam Header per scenario.

Method of Initiation:

Aux. Operator observing conditions in area, notifies Control Room of steam leak in the location of the "B" Steam Header.

Indications:

Large amount of steam at the flange area of "B" S/G ARV.

Steam coming from hole drilled in weld and inlet flange leading to valve AOV-3410 (see attached sketch).

Expected Sequence of Actions:

1. Notify TSC Maintenance support group.
2. Pipe Shop Planner/Welder notified.
3. Pipe Shop Planner/Welder investigate for repairs.
4. Initiate packages for repairs.
5. Pipefitter/Welders crews sent out to make repairs.
6. Repairs completed and service restored.

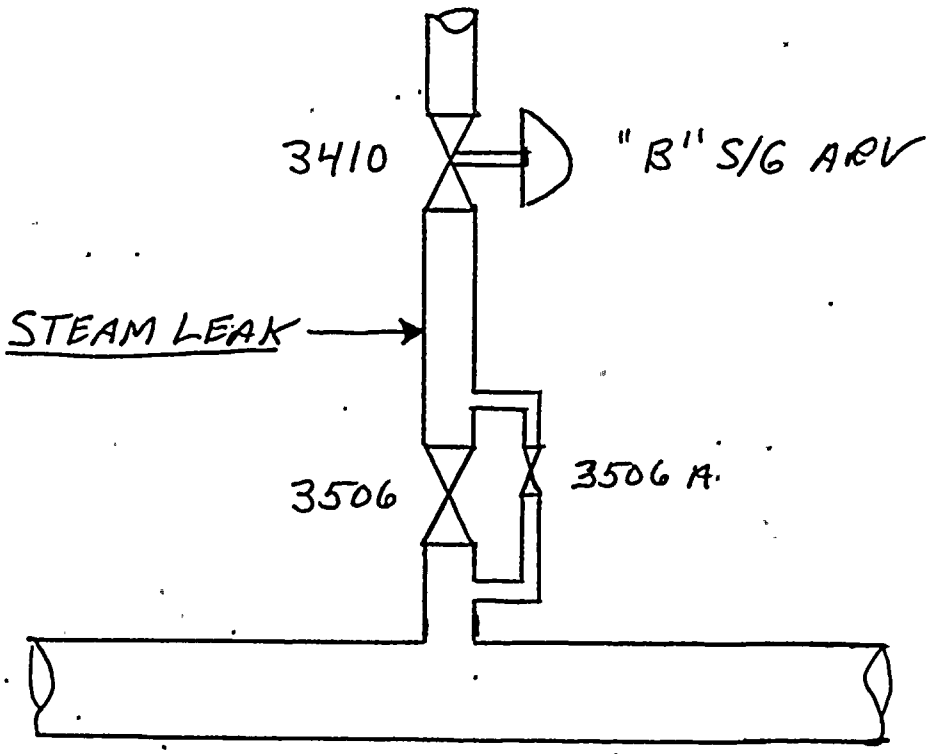
Final Condition:

Notify TSC of completion of maintenance and remove holds for testing and return to service.

ROCHESTER GAS AND ELECTRIC CORPORATION

49-169 S

GINNA STATION:	DATE:	PAGE OF
JOB: SKETCH OF "B" S/G ARV STEAM LEAK	MADE BY: WNB	



Time: 0815
Message: 12

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: MFW Regulating Valves (ADFCS Trouble) Repair Team

Simulated Plant Conditions: See attached Mini-Scenario

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) Provide information verbally when appropriate investigations are made.

2) Controller must notify Simulator Control Booth Operator at Ext. 6641 to coordinate actions associated with this Mini-Scenario.

Anticipated Results:

1) As per Mini-Scenario anticipated results.

ROCHESTER GAS AND ELECTRIC

GINNA STATION

MINI SCENARIO

TITLE: ADFCS Trouble G-22 In Alarm

INITIAL CONDITIONS: Graphics show that QAM on left block as **"BACKUP ROLE"** on a yellow background and QAM on the right block as **"PRIMARY ROLE"** on a green background.

METHOD OF INITIATION: Program simulator to give annunciator G-22.

INDICATIONS: At ADFCS Printer in the MUX Room will print out the following messages:

1) Date Time DIGITAL SCAN ALARM ADFCSTRB ADFCS SYSTEM TROUBLE ANNUNC.

2) Date Time DIGITAL SCAN ALARM K10FCVA RELAY K1 OPENED FCV A

Graphics show that QAM on left block as "PRIMARY ROLE" on green background and QAM on right block as "BACKUP ROLE" on yellow background. The following error messages will be seen on the graphics display:

7. Switchover defeated. (Switchover trigger is latched. Reset trigger when switchover demand has been cleared).

11. Possible defective K1 relay or QCI input. Replace relay K1 when A/A logic = 0.

EXPECTED SEQUENCE OF ACTIONS:

- Notify maintenance support group
- I&C Planner receives T. R.
- I&C Planner investigates T. R.
- I&C Technicians go to Maintenance Training System to replace defective K1 relay
- Clear all alarms

FINAL CONDITIONS: Notify Simulator Control Room that maintenance is complete.

Time: 0830
Message: 13

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) A CCW System leak of 20 gpm starts at this time. The leak is on the 1A CCW Pump mechanical seal.

Anticipated Results:

1) Operators continue shutting the Plant down per O-2.1.

1992 EVALUATED EXERCISE Time: 0830

MAJOR PARAMETERS

Reactor Shutdown	YES/NO	
N-31	0	CPS
N-32	0	CPS
N-35	6.4E-4	AMPS
N-36	6.0E-4	AMPS
Avg. Nuclear Power	91.2	%
RCS Pressure	2262	PSIG
PRZR Level	46.7	%
A RCP	RUNNING/STOPPED	
B RCP	RUNNING/STOPPED	
1A S/G Level	52.1	%
1B S/G Level	52.1	%
1A S/G Pressure	708	PSIG
1B S/G Pressure	707	PSIG
Turbine/Generator	ONLINE/OFFLINE	
4 KV Buses	ENERGIZED/DEENERGIZED	
480V Buses	ENERGIZED/DEENERGIZED	
DC Batteries	A 130 VOLTS	B 130 VOLTS
Cnmt Pressure	.09	PSIG
Cnmt Sump A Level	1.9	FEET
Cnmt Sump B Level	<8	INCHES
A Loop Hot Leg	597.8	0F
A Loop Cold Leg	543.5	0F
B Loop Hot Leg	597.8	0F
B Loop Cold Leg	544.8	0F
RVLIS	99.4	%
*CET	601.3	0F
S/G A Total Aux FW Flow	0	GPM
S/G B Total Aux FW Flow	0	GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 21 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps
FI-924 0 GPM
FI-925 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 68 %

Low Head S.I. Pumps
FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 94.5 %

Containment Spray Pumps
FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 82/73 PSIG

Component Cooling Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 50 %

Standby Aux. Feedwater Pumps
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	GOOD	
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	GOOD	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	6.48633-04	INHB	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	6.02558-04	INHB	AMP
7	NP	AVERAGE NUCLEAR POWER	91.19	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2262.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	46.7	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	98.5	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	97.3	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	49.5	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	52.1	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	52.1	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	708.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	707.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	PCV	CONTAINMENT AVERAGE PRESSURE	.09	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	1.9	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	597.8	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	597.8	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	543.5	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	544.8	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	570.7	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	571.3	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.4	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	601.3	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	82.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	73.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
08:31:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	2.6	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	47.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.6	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	58.9	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.7	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.40678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.40701+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	4.07174+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.25835+05	HALM	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	6.29179-03	HALM	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	6.29392-03	HWRN	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	6.29436-03	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.02040-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

0-J

Time: 0840
Message: 14

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions:

Message: ***THIS IS AN EXERCISE***

The following annunciator is received:

A-13 (CCW Surge Tank Level 41.2%)

FOR CONTROLLER USE ONLY

Controller Notes:

1) When operators check the CCW Surge Tank level on Control Board, Inform them that it is approximately 41% and decreasing slowly.

Anticipated Results:

1) Operators should perform the applicable actions of AR-A-13.

2) Operators should perform the applicable actions of AP-CCW.2.

3) Operators should send an Auxiliary Operator into the Auxiliary Building to identify the CCW System leak.

4) Operators should inform the people manning the TSC of the CCW leak.

Time: 0840
Message: 15

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Auxiliary Operator sent to Auxiliary Building to identify the CCW Leak.

Simulated Plant Conditions: See the Attached Mini-Scenario

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) Provide information verbally when appropriate actions are simulated or investigations are made by the Auxiliary Operator sent to the Auxiliary Building to identify the CCW leak.

2) The Controller must notify the Simulator Control Booth Operator to coordinate all actions associated with this Mini-Scenario.

Anticipated Results:

1) As per Mini-Scenario Anticipated Results

GINNA STATION

1992 EVALUATED EXERCISE

MINI-SCENARIO

Activity:

CCW Leak Identification and Isolation of the 1A CCW Pump

FOR CONTROLLER USE ONLY

Controller Notes:

1) When Auxiliary Operator is within viewing distance of the 1A CCW Pump, inform him that the 1A CCW Pump mechanical seal is leaking and spraying on the pump motor.

2) When Auxiliary Operator is requested to isolate the 1A CCW Pump, ensure the following:

   (a) Ensure Auxiliary Operator simulates closing manual valve 724A (CCW Pump A Discharge Block VLV).
   (b) Ensure Auxiliary Operator simulates closing manual valve 722A (CCW Suction Block VLV to CCW Pump A).
   (c) Ensure Auxiliary Operator simulates racking out the 1A CCW Pump electrical breaker (Bus14, Position 23A).

3) When pump is isolated;.the Controller must notify the Simulator Control Booth Operator at Ext 6641 prior to allowing players to notify the Control Room/TSC.

Anticipated Results:

1) Auxiliary Operator, when informed of the 1A CCW Pump leak, should inform the Simulator Control Room.

2) Auxiliary Operator, when requested, should simulate isolating the 1A CCW Pump.

3) Auxiliary Operator, after simulating the isolation of the 1A CCW Pump should inform Simulator Control Room of the isolation.

Time: 0845
Message: 16

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) When operators start filling the CCW Surge Tank with RMU water, inform them that the level is starting to increase slowly.

Anticipated Results:

1) Operators continue performing applicable actions of AP-CCW.2.

2) Operators continue shutting the Plant down per O-2.1.

1992 EVALUATED EXERCISE Time: 0845

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	0 CPS
N-32	0 CPS
N-35	6.3E-4 AMPS
N-36	5.8E-4 AMPS
Avg. Nuclear Power	89.1 %
RCS Pressure	2263 PSIG
PRZR Level	46.5 %
A RCP	RUNNING/STOPPED
B RCP	RUNNING/STOPPED
1A S/G Level	52.1 %
1B S/G Level	53.1 %
1A S/G Pressure	717 PSIG
1B S/G Pressure	716 PSIG
Turbine/Generator	ONLINE/OFFLINE
4 KV Buses	ENERGIZED/DEENERGIZED
480V Buses	ENERGIZED/DEENERGIZED
DC Batteries	A 130 VOLTS B 130 VOLTS
Cnmt Pressure	.11 PSIG
Cnmt Sump A Level	1.9 FEET
Cnmt Sump B Level	<8 INCHES
A Loop Hot Leg	597.2 0F
A Loop Cold Leg	544.1 0F
B Loop Hot Leg	597.2 0F
B Loop Cold Leg	545.4 0F
RVLIS	99.3 %
*CET	600.7 0F
S/G A Total Aux FW Flow	0 GPM
S/G B Total Aux FW Flow	0 GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 21 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps
FI-924 0 GPM
FI-925 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 68 %

Low Head S.I. Pumps
FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 74.5 %

Containment Spray Pumps
FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 82/73 PSIG

Component Cooling Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 42↑%

Standby Aux. Feedwater Pumps
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	GOOD	
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	GOOD	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	6.33869-04	INHB	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	5.88842-04	INHB	AMP
7	NP	AVERAGE NUCLEAR POWER	89.14	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2263.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	46.5	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	98.4	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	97.3	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	50.1	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	52.1	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	52.1	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	717.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	716.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	PCV	CONTAINMENT AVERAGE PRESSURE	.11	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	1.9	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	597.2	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	597.2	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	544.1	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.4	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	570.6	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	571.3	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.3	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	600.7	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	82.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	73.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
08:45:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	3.8	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	79.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.8	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	59.0	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.8	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.40678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.40701+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	4.07174+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.25835+05	HALM	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	6.29179-03	HALM	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	6.29392-03	HWRN	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	6.29436-03	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.02040-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

0-J

Time: 0850
Message: 17

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions:

Message: ***THIS IS AN EXERCISE***

The following annunciator is received:

- A-17 (Motor Off RCP CCWP)

FOR CONTROLLER USE ONLY

Controller Notes:

1) When operators check the Control Board, inform them that the 1A CCW Pump has tripped and the 1B CCW Pump has started automatically and is delivering required flow (i.e., There are no Control Board alarms that would indicate loss of CCW Flow).

Anticipated Results:

1) Operators should perform the applicable actions of AR-A-17.

2) Operators should perform the applicable actions of AP-CCW.2.

3) Operators should request, that the Auxiliary Operator sent to the Auxiliary Building to identify the CCW leak, isolate the 1A CCW Pump and rack out its electrical breaker.

4) Operators should inform the people manning the TSC of the 1A CCW Pump problems.

Time: 0850
Message: 18

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: 1A CCW Pump Mechanical Seal Failure Repair Team

Simulated Plant Conditions: See the Attached Mini-Scenario

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) Provide information verbally when appropriate investigations are made.

Anticipated Results:

2) As per Mini-Scenario Anticipated Results.

GINNA STATION

1992 EVALUATED EXERCISE

MINI-SCENARIO

SCENARIO:

Failure of inboard mechanical seal on the 1A Component Cooling Water Pump.

INITIAL CONDITIONS:

Plant Operating at 97% power with 1A Component Cooling Water Pump supplying the system.

CONDITIONS:

The operator on tour finds water spraying from the inboard seal of 1A Component Cooing Water Pump, directly on the 1A motor. Caution; water contains potassium chromate which is toxic.

ACTIONS REQUIRED:

1B CCW Pump Seal leaking a small amount.
1A Component Cooling Water Pump secured.
Pump isolated by A-1401.
Procedures and package for corrective maintenance be prepared.
- Spare parts checked
- SWP request prepared
- Maintenance shop requested to clean up spill with aid of chemistry tech.
- Open Flame permit and Fire Watch obtained

Pump uncoupled from motor and coupling removed.
Seal water piping removed.
Mechanical seal removed.
Inboard bearing removed.
Shaft and stuffing box inspected for damage after cleaning.
New mechanical seal installed.
Bearing inspected and replaced as necessary.
Coupling installed and alignment accomplished.
Pump returned to service.

EXPECTED RESULTS:

1A Component Cooling Water Pump returned to service in eight hours after repairs started on unit.

Time: 0850
Message: 19

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: 1A CCW Pump Motor Problem from Pump Seal Failure Repair Team

Simulated Plant Conditions: See the Attached Mini-Scenario

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) Provide information verbally when appropriate investigations are made.

Anticipated Results:

1) As per Mini-Scenario Anticipated Results.

GINNA STATION

1992 EVALUATED EXERCISE

MINI-SCENARIO

TITLE: 1A CCW Pump Motor Problem from Pump Packing Failure
Expected scenario start time: 0850

INITIAL CONDITIONS: Pump running.

METHOD OF INITIATION: Breaker trips, Operations calls for Electricians to investigate.

INDICATIONS:

CONTROL ROOM:
- Alarm window: "A-17" MOTOR OFF: RCP/CCWP
- White (disagreement) light: CCP1A

BUS 14/POS 23A:
- Amptector: "Instantaneous" Trip Indication

CCWP1A MOTOR:
- Smell of burnt insulation
- Water spray on motor case

EXPECTED SEQUENCE OF ACTIONS:

- Investigate Auxiliary Building for visible signs near breaker or motor.
  - Notice smell at motor
  - Notice Circuit Breaker Amptector target for "instantaneous"
- Obtain holds, clearances, and test equipment.
- Simulate measuring resistance phase to phase & megger motor from Bus 14/Pos 23A readings:
  Megger readings: 0MΩ to ground
  Phase to phase resistance: < 1 Ω
- Simulate determ of motor and repeat tests to locate fault in motor windings.
- Suggest replacing pump and motor with spare units.

FINAL CONDITIONS:

Motor requires replacement due to shorted windings. Windings shorted due to water spray upon failure of pump seal.

Time: 0855
Message: 20

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room/I&C Repair Team

Simulated Plant Conditions:

Message: ***THIS IS AN EXERCISE***

The ADFCS problem with the MFW Regulating Valves is repaired.

FOR CONTROLLER USE ONLY

Controller Notes:

1) The I&C Repair Team working on the ADFCS should report this message to the Simulator Control Room. Simulator Control Room Controller and I&C Repair Team Controller to coordinate this report at 0855 hours.

Anticipated Results:

1) Operators continue shutting the Plant down per O-2.1.

Time: 0900
Message: 21

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message:

FOR CONTROLLER USE ONLY

Controller Notes:

1)

Anticipated Results:

1) Operators continue shutting the Plant down per O-2.1.

1992 EVALUATED EXERCISE Time: 0900

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	0 CPS
N-32	0 CPS
N-35	6.1E-4 AMPS
N-36	5.7E-4 AMPS
Avg. Nuclear Power	86.9 %
RCS Pressure	2262 PSIG
PRZR Level	45.7 %
A RCP	RUNNING/STOPPED
B RCP	RUNNING/STOPPED
1A S/G Level	52.1 %
1B S/G Level	52.1 %
1A S/G Pressure	723 PSIG
1B S/G Pressure	722 PSIG
Turbine/Generator	ONLINE/OFFLINE
4 KV Buses	ENERGIZED/DEENERGIZED
480V Buses	ENERGIZED/DEENERGIZED
DC Batteries	A 130 VOLTS B 130 VOLTS
Cnmt Pressure	.13 PSIG
Cnmt Sump A Level	2.0 FEET
Cnmt Sump B Level	<8 INCHES
A Loop Hot Leg	596.1 OF
A Loop Cold Leg	544.1 OF
B Loop Hot Leg	596.1 OF
B Loop Cold Leg	545.2 OF
RVLIS	99.4 %
*CET	599.1 OF
S/G A Total Aux FW Flow	0 GPM
S/G B Total Aux FW Flow	0 GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 21 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps
FI-924 0 GPM
FI-925 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 68 %

Low Head S.I. Pumps
FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 94.5 %

Containment Spray Pumps
FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 82/73 PSIG

Component Cooling Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 48↑%

Standby Aux. Feedwater Pumps
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	GOOD	
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	GOOD	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	6.19439-04	INHB	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	5.72795-04	INHB	AMP
7	NP	AVERAGE NUCLEAR POWER	86.94	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2262.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	45.7	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	98.4	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	97.3	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	51.8	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	52.1	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	52.1	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	723.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	722.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	PCV	CONTAINMENT AVERAGE PRESSURE	.13	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.0	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	596.1	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	596.1	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	544.1	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.2	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	570.1	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	570.6	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.4	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	599.1	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION.LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	82.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	73.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
09:00:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	3.1	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	52.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.9	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	59.3	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.6	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.40678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.40701+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	4.07174+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.25835+05	HALM	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	6.29179-03	HALM	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	6.29392-03	HWRN	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	6.29436-03	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.02040-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

D-J

Time: 0905
Message: 22

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room/Auxiliary Operator Isolating the 1A CCW Pump

Simulated Plant Conditions:

Message: ***THIS IS AN EXERCISE***

The suction and discharge valves are closed and the electrical breaker is racked out for the 1A CCW Pump.

FOR CONTROLLER USE ONLY

Controller Notes:

1) The Auxiliary Operator isolating the 1A CCW Pump should report this message to the Simulator Control Room.
Simulator Control Room Controller and Auxiliary Operator Controller to coordinate this report at 0905 hours.

Anticipated Results:

1) Operators should ensure that the 1A CCW Pump Control Switch is in pull stop.

2) Operators should ensure the CCW Surge Tank Level has returned to normal (i.e., ≈ 50% level).

3) Operators continue shutting the Plant down per O-2.1.

Time: 0915
Message: 23

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

The following annunciators are received:

- F-10 (Pressurizer Lo Press 2185 PSI)
- F- 4 (Pressurizer Level Deviation -5 Normal +5)
- G- 3 (S/G A Level Deviation ± 7%)

FOR CONTROLLER USE ONLY

Controller Notes:

1) When operators check the Control Board, Inform them that:

   - Pressurizer Level and Pressure are decreasing uncontrollably.
   - The "A" S/G Water Level is increasing uncontrollably.

Anticipated Results:

1) Operators may manually initiate a reactor trip and start performing the immediate actions of E-0 (Reactor Trip or Safety Injection).

2) Operators may manually initiate a safety Injection and start performing the immediate actions of E-0.

1992 EVALUATED EXERCISE Time: 0915

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	0 CPS
N-32	0 CPS
N-35	6.0E-4 AMPS
N-36	5.5E-4 AMPS
Avg. Nuclear Power	84.2 %
RCS Pressure	216 PSIG
PRZR Level	32.3 %
A RCP	RUNNING/STOPPED
B RCP	RUNNING/STOPPED
1A S/G Level	58.4 %
1B S/G Level	52.5 %
1A S/G Pressure	726 PSIG
1B S/G Pressure	724 PSIG
Turbine/Generator	ONLINE/OFFLINE
4 KV Buses	ENERGIZED/DEENERGIZED
480V Buses	ENERGIZED/DEENERGIZED
DC Batteries	A 130 VOLTS B 130 VOLTS
Cnmt Pressure	.13 PSIG
Cnmt Sump A Level	2.0 FEET
Cnmt Sump B Level	<8 INCHES
A Loop Hot Leg	593.7 OF
A Loop Cold Leg	543.1 OF
B Loop Hot Leg	593.7 OF
B Loop Cold Leg	544.4 OF
RVLIS	99.3 %
*CET	596.8 OF
S/G A Total Aux FW Flow	0 GPM
S/G B Total Aux FW Flow	0 GPM

DIESEL GENERATORS

A.	RUNNING/UNLOADED/STBY/OOS
B.	RUNNING/UNLOADED/STBY/OOS
TSC	RUNNING/UNLOADED/STBY/OOS
Security	RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps

1A.	INSERV/STBY/OOS
1B.	INSERV/STBY/OOS
Turb. Driven	INSERV/STBY/OOS
CST Level	21 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps

FI-924	0 GPM
FI-925	0 GPM
1A.	INSERV/STBY/OOS
1B.	INSERV/STBY/OOS
1C.	INSERV/STBY/OOS
BAST Level =	68 %

Low Head S.I. Pumps

FI-626	0 GPM
1A.	INSERV/STBY/OOS/RECIRC
1B.	INSERV/STBY/OOS/RECIRC
RWST Level =	94.5 %

Containment Spray Pumps

FI-931A	0 GPM
FI-931B	0 GPM
1A.	INSERV/STBY/OOS
1B.	INSERV/STBY/OOS
NaOH Tank Level =	94 %

Containment Recirc Fans

1A.	INSERV/STBY/OOS
1B.	INSERV/STBY/OOS
1C.	INSERV/STBY/OOS
1D.	INSERV/STBY/OOS
Post Accident Dampers	OPEN/CLOSED

Service Water Pumps

1A.	INSERV/STBY/OOS
1B.	INSERV/STBY/OOS
1C.	INSERV/STBY/OOS
1D.	INSERV/STBY/OOS
A&B Header Pressure	82/73 PSIG

Component Cooling Water Pumps

1A.	INSERV/STBY/OOS
1B.	INSERV/STBY/OOS
Surge Tank Level =	52 %

Standby Aux. Feedwater Pumps

1C.	INSERV/STBY/OOS
1D.	INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	GOOD	
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	GOOD	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	5.99789-04	INHB	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	5.54624-04	INHB	AMP
7	NP	AVERAGE NUCLEAR POWER	84.23	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2160.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	32.3	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	98.2	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	97.3	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	47.5	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	58.4	HWRN	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	52.5	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	726.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	724.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	PCV	CONTAINMENT AVERAGE PRESSURE	.13	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.0	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	593.7	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	593.7	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	543.1	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	544.4	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	568.4	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	569.1	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.3	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	596.8	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	82.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	73.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	OFF	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
09:15:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	3.8	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	50.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	60.7	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	60.7	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	0.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.40678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	1.47701+02	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.57174+04	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	9.99999+06	HALM	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	9.99999-03	HALM	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.85392+00	HALM	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	1.85436+00	HWRN	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.02040+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

D-J

Time: 0917
Message: 24

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

The following annunciators are received:

- D-20 (Pressurizer Lo Press Trip 1873 PSI)
- D-19 (Pressurizer Lo Press SI 1750 PSIG)

FOR CONTROLLER USE ONLY

Controller Notes:

1) All safeguards equipment required, operates.

Anticipated Results:

1) Operators should perform the immediate actions and subsequent actions of E-0 (Reactor Trip or Safety Injection).

2) An ALERT should be declared in accordance with EPIP 1-0, "Ginna Station Event Evaluation and Classification," EAL: Steam Generator Tube Rupture (SGTR); SGTR > 100gpm.

3) Operators should also be performing the applicable actions of the following procedures:

   a) EPIP 1-2 (ALERT)
   b) EPIP 1-5 (Notifications)
   c) O-9.3 (NRC Immediate Notification).

1992 EVALUATED EXERCISE Time: 0917

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	0 CPS
N-32	0 CPS
N-35	4.2E-6 AMPS
N-36	3.6E-6 AMPS
Avg. Nuclear Power	0.6 %
RCS Pressure	1474 PSIG
PRZR Level	0 %
A RCP	RUNNING/STOPPED
B RCP	RUNNING/STOPPED
1A S/G Level	10.8 %
1B S/G Level	7.1 %
1A S/G Pressure	913 PSIG
1B S/G Pressure	913 PSIG
Turbine/Generator	ONLINE/OFFLINE
4 KV Buses	ENERGIZED/DEENERGIZED
480V Buses	ENERGIZED/DEENERGIZED
DC Batteries	A 130 VOLTS B 130 VOLTS
Cnmt Pressure	.11 PSIG
Cnmt Sump A Level	2.0 FEET
Cnmt Sump B Level	< 8 INCHES
A Loop Hot Leg	543.6 0F
A Loop Cold Leg	536.2 0F
B Loop Hot Leg	543.6 0F
B Loop Cold Leg	537.3 0F
RVLIS	99.5 %
*CET	539.3 0F
S/G A Total Aux FW Flow	478 GPM
S/G B Total Aux FW Flow	484 GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps

1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 20.5 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps

FI-924 101 GPM
FI-925 101 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 67 %

Low Head S.I. Pumps

FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 94.5 %

Containment Spray Pumps

FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 85/85 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 52 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	4.20726-06	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	3.59748-06	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.59	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	1474.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	.0	LALM	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	98.9	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	98.0	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	51.7	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	10.8	LALM	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	7.1	LALM	%
17	PSGA	STM GEN A AVERAGE PRESSURE	913.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	913.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	NOT TRIP	GOOD	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	PCV	CONTAINMENT AVERAGE PRESSURE	.11	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.0	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	543.6	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	543.6	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	536.2	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	537.3	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	539.9	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	540.2	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.5	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	539.3	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	478.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	484.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	ON	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	ON	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	OPEN	ALRM	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	OPEN	ALRM	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	101.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	101.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	85.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	85.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
09:17:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	3.8	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	50.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	60.7	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	60.7	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	0.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	7.35678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	1.47701+02	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.57174+04	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	9.99999+06	HALM	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	9.99999-03	HALM	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.85392+00	HALM	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	1.85436+00	HWRN	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.02040+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

D-J

Time: 0920
Message: 25

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

Anticipated Results:

1) Operators performing the applicable actions of E-0.

2) Operators should be transitioning to E-3 (Steam Generator Tube Rupture).

1992 EVALUATED EXERCISE Time: 0920

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	0 CPS
N-32	0 CPS
N-35	6.8E-8 AMPS
N-36	5.8E-8 AMPS
Avg. Nuclear Power	0 %
RCS Pressure	1267 PSIG
PRZR Level	0 %
A RCP	RUNNING/STOPPED
B RCP	RUNNING/STOPPED
1A S/G Level	30.8 %
1B S/G Level	28.7 %
1A S/G Pressure	941 PSIG
1B S/G Pressure	941 PSIG
Turbine/Generator	ONLINE/OFFLINE
4 KV Buses	ENERGIZED/DEENERGIZED
480V Buses	ENERGIZED/DEENERGIZED
DC Batteries	A 130 VOLTS B 130 VOLTS
Cnmt Pressure	.08 PSIG
Cnmt Sump A Level	2.0 FEET
Cnmt Sump B Level	< 8 INCHES
A Loop Hot Leg	540.3 0F
A Loop Cold Leg	538.8 0F
B Loop Hot Leg	540.3 0F
B Loop Cold Leg	538.4 0F
RVLIS	99.3 %
*CET	540.5 0F
S/G A Total Aux FW Flow	0 GPM
S/G B Total Aux FW Flow	198 GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 19 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps
FI-924 145 GPM
FI-925 145 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 55 %

Low Head S.I. Pumps
FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 94.8 %

Containment Spray Pumps
FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 85/85 PSIG

Component Cooling Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 52 %

Standby Aux. Feedwater Pumps
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32.	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	6.79204-08	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	5.80759-08	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.02	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	1267.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	.0	LALM	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	98.1	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	97.3	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	35.0	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	30.8	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	28.7	LWRN	%
17	PSGA	STM GEN A AVERAGE PRESSURE	941.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	941.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	.08	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.0	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	540.3	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	540.3	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	538.8	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	538.4	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	539.7	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	539.4	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.3	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	540.5	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	198.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	ON	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	ON	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION.LOOP A AVG FLOW	145.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	145.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	85.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	85.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

8-92

Time: 0930
Message: 26

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

Anticipated Results:

1) Operators performing the Applicable Actions of E-3.

2) The Ruptured Steam Generator should be isolated at approximately this time, (i.e., secondary side).

1992 EVALUATED EXERCISE Time: 0930

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	0 CPS
N-32	0 CPS
N-35	6.1E-11 AMPS
N-36	5.3E-11 AMPS
Avg. Nuclear Power	0 %
RCS Pressure	934 PSIG
PRZR Level	0 %
A RCP	RUNNING/STOPPED
B RCP	RUNNING/STOPPED
1A S/G Level	49.6 %
1B S/G Level	0.0 %
1A S/G Pressure	1053 PSIG
1B S/G Pressure	580 PSIG
Turbine/Generator	ONLINE/OFFLINE
4 KV Buses	ENERGIZED/DEENERGIZED
480V Buses	ENERGIZED/DEENERGIZED
DC Batteries	A 130 VOLTS B 130 VOLTS
Cnmt Pressure	.02 PSIG
Cnmt Sump A Level	2.1 FEET
Cnmt Sump B Level	<8 INCHES
A Loop Hot Leg	494.6 OF
A Loop Cold Leg	495.5 OF
B Loop Hot Leg	494.6 OF
B Loop Cold Leg	487.6 OF
RVLIS	100.8 %
*CET	492.2 OF
S/G A Total Aux FW Flow	0 GPM
S/G B Total Aux FW Flow	182 GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 18 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps
FI-924 257 GPM
FI-925 256 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 10 %

Low Head S.I. Pumps
FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 94.3 %

Containment Spray Pumps
FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 85/85 PSIG

Component Cooling Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 52 %

Standby Aux. Feedwater Pumps
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	INHB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	6.13757-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	5.34561-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	934.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	.0	LALM	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	103.3	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	103.0	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	45.9	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	49.6	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	.0	LALM	%
17	PSGA	STM GEN A AVERAGE PRESSURE	1053.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	580.	LWRN	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 161372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	.02	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.1	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	494.6	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	494.6	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	495.5	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	487.6	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	494.8	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	491.0	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.8	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	492.2	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	182.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	ON	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION.LOOP A AVG FLOW	257.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	256.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	85.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	85.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
09:30:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.1	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	50.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	60.7	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	60.6	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.1	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	7.35678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	1.47701+02	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.57174+04	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	9.99999+06	HALM	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	9.99999-03	HALM	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.85392+00	HALM	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	1.85436+00	HWRN	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.02040+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

O-J

Time: 0930
Message: 27X

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room Shift Supervisor/ Emergency Coordinator

Simulated Plant Conditions:

Message: ***THIS IS AN EXERCISE***

Declare an ALERT in accordance with EPIP 1-0, "Ginna Station Event Evaluation and Classification," EAL: Steam Generator Tube Rupture (SGTR); SGTR > 100 gpm.

FOR CONTROLLER USE ONLY

Controller Notes:

1) Deliver only if an ALERT has not been declared. Do not Deliver if Emergency Classification discussions are in progress.

Anticipated Results:

1) Deliver contingency message if ALERT not declared or is not being discussed.

Time: 0945
Message: 28

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

Anticipated Results:

1) Operators performing Applicable Actions of E-3.

2) The RCS should be depressurized to ruptured S/G pressure and the High Head Safety Injection Pumps taken out at approximately this time.

3) The TSC should be nearing operational readiness of the Emergency Response Organization.

4) The TSC, when operational, should send repair teams into the Auxiliary Building to evaluate the 1A CCW Pump and motor problems.

5) The TSC, when operational, should send repair teams out to evaluate the "A" and "B" S/G ARV problems, if not already done.

6) The EOF may be activating at this time due to Plant conditions.

1992 EVALUATED EXERCISE Time: 0945

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	85 CPS
N-32	88 CPS
N-35	1.0E-11 AMPS
N-36	1.0E-11 AMPS
Avg. Nuclear Power	0 %
RCS Pressure	1085 PSIG
PRZR Level	50.2%
A RCP	RUNNING/STOPPED
B RCP	RUNNING/STOPPED
1A S/G Level	62.6 %
1B S/G Level	33.4 %
1A S/G Pressure	1081 PSIG
1B S/G Pressure	622 PSIG
Turbine/Generator	ONLINE/OFFLINE
4 KV Buses	ENERGIZED/DEENERGIZED
480V Buses	ENERGIZED/DEENERGIZED
DC Batteries	A 130 VOLTS B 130 VOLTS
Cnmt Pressure	-.09 PSIG
Cnmt Sump A Level	2.1 FEET
Cnmt Sump B Level	<8 INCHES
A Loop Hot Leg	497.4 0F
A Loop Cold Leg	497.9 0F
B Loop Hot Leg	497.4 0F
B Loop Cold Leg	494.6 0F
RVLIS	100.5 %
*CET	497.4 0F
S/G A Total Aux FW Flow	0 GPM
S/G B Total Aux FW Flow	364 GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 76 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps
FI-924 0 GPM
FI-925 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 10 %

Low Head S.I. Pumps
FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 93.4 %

Containment Spray Pumps
FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 85/85 PSIG

Component Cooling Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 52 %

Standby Aux. Feedwater Pumps
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	8.46249+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	8.75988+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.01391-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.01391-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	1085.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	50.2	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	103.1	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	102.5	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	58.9	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	62.6	HWRN	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	33.4	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	1081.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	622.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.09	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.1	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	497.4	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	497.4	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	497.9	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	494.6	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	497.7	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	496.0	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	100.5	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	497.4	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	364.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	ON	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	OPEN	ALRM	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION.LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	85.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	85.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
09:44:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.9	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	49.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	61.3	GOOD	DEGF
6	WT250	250 FOOT LEVEL,TEMPERATURE	61.3	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	0.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	7.35678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	1.47701+02	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.57174+04	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	4.40835+06	HALM	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	9.99999-03	HALM	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	2.20392-01	HALM	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	2.20436-01	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.02040+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

-J

Time: 1000
Message: 28.1

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Security/Auxiliary Operator/Chemist involved with the bringing on site, connection and operation of Mobile DI Unit.

Simulated Plant Conditions: See Attached Mini-Scenarios

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) Provide information verbally when appropriate actions are simulated or investigations are made by the appropriate players.

Actions Expected:

1) As per attached Mini-Scenarios

GINNA STATION

1992 EVALUATED EXERCISE

MINI-SCENARIO

Activity: Bringing Mobile DI Unit On Site (Security)

FOR CONTROLLER USE ONLY

Controller Notes:

1) At 1000 Security Controller will inform Guard House personnel that there is a Simulated Mobile DI Unit Trailer out front of Guard House and it needs to come on Site.

Actions Expected:

1) Security personnel should inform TSC and Simulate processing the DI Truck on Site Expeditiously.

GINNA STATION

1992 EVALUATED EXERCISE

MINI-SCENARIO

Activity: Connection and Operation of Mobile DI Unit (Auxiliary Operator and Chemist).

FOR CONTROLLER USE ONLY

Controller Notes:

1) Auxiliary Operator and Chemist should be notified by the TSC/CR that the Mobile DI Unit has arrived and needs to be connected and put in operation.

2) Inform Auxiliary Operator AT 1030 that he is to Simulate stop pumping from outside storage tank to inside storage tank because outside storage tank is empty. Also the Mobile DI Unit should be ready to operate in about an hour.

3) Inform Auxiliary Operator just prior to 1120 that he is to Simulate pumping water to the inside storage tanks AT 1120 hrs.

Actions Expected:

1) Auxiliary Operator and Chemist should Simulate connecting the Mobile DI Unit per procedure T-6.13. To be Simulated pumping to outside storage tank AT 1115 hrs.

2) Auxiliary Operator should inform TSC/CR that the outside storage tank is empty and he has stopped pumping. Also that the Mobile DI Unit will be in operation in about an hour.

3) Auxiliary Operator should simulate starting to transfer water from the outside storage tank to the inside storage tanks per procedure T-6.12 at 1120 hrs.

4) Auxiliary Operator should notify TSC/CR that he is starting to fill the inside Condensate Storage tanks.

Time: 1000
Message: 29

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) The DI truck arrives on Site

Anticipated Results:

1) Operators performing the Applicable Actions of E-3.

2) The TSC should be assuming command and control at approximately this time.

1992 EVALUATED EXERCISE Time: 1000

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	85 CPS
N-32	88 CPS
N-35	1.0E-11 AMPS
N-36	1.0E-11 AMPS
Avg. Nuclear Power	0 %
RCS Pressure	1073 PSIG
PRZR Level	51.5 %
A RCP	RUNNING/STOPPED
B RCP	RUNNING/STOPPED
1A S/G Level	60.4 %
1B S/G Level	49.3 %
1A S/G Pressure	1067 PSIG
1B S/G Pressure	622 PSIG
Turbine/Generator	ONLINE/OFFLINE
4 KV Buses	ENERGIZED/DEENERGIZED
480V Buses	ENERGIZED/DEENERGIZED
DC Batteries	A 130 VOLTS B 130 VOLTS
Cnmt Pressure	-.17 PSIG
Cnmt Sump A Level	2.1 FEET
Cnmt Sump B Level	<8 INCHES
A Loop Hot Leg	493.9 0F
A Loop Cold Leg	494.2 0F
B Loop Hot Leg	496.1 0F
B Loop Cold Leg	494.2 0F
RVLIS	99.6 %
*CET	496.2 0F
S/G A Total Aux FW Flow	0 GPM
S/G B Total Aux FW Flow	129 GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 74 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps
FI-924 0 GPM
FI-925 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 10 %

Low Head S.I. Pumps
FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 93.4 %

Containment Spray Pumps
FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 85/85 PSIG

Component Cooling Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 52 %

Standby Aux. Feedwater Pumps
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	8.52117+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	8.82061+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.01391-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.01391-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	1073.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	51.5	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	12.3	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	106.9	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	58.7	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	60.4	HWRN	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	49.3	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	1067.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	622.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.17	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.1	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	493.9	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	496.1	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	494.2	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	494.2	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	494.1	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	495.2	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.6	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	496.2	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	129.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	ON	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	85.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	85.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
10:00:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.0	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	55.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	61.3	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	61.4	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	0.1	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	7.35678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	1.47701+02	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
[illegible]	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.57174+04	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.57835+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	2.09411-07	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.34492-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	1.27941-03	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.02040+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

[illegible]0-J

Time: 1015
Message: 30

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

The following annunciator is received:

- J-9 (Safeguard Breaker Trip)

FOR CONTROLLER USE ONLY

Controller Notes:

1) When operators check the Control Board, inform them that the "A" SW Pump switch indicates a white light and the "A" SW Pump indicates tripped. If operators try to restart pump because of SI, it will not restart.

Anticipated Results:

1) Operators perform the Applicable Actions of AR-J.9.

2) Operators should inform TSC of "A" SW Pump problem.

3) Operators/TSC should send an Auxiliary Operator to the Screenhouse to check on the "A" SW Pump.

4) Operators performing the Applicable Actions of E-3.

1992 EVALUATED EXERCISE Time: 1015

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	89 CPS
N-32	90 CPS
N-35	1.0E-11 AMPS
N-36	1.0E-11 AMPS
Avg. Nuclear Power	0 %
RCS Pressure	1084 PSIG
PRZR Level	42.7 %
A RCP	RUNNING/STOPPED
B RCP	RUNNING/STOPPED
1A S/G Level	63.2 %
1B S/G Level	48.1 %
1A S/G Pressure	1078 PSIG
1B S/G Pressure	622 PSIG
Turbine/Generator	ONLINE/OFFLINE
4 KV Buses	ENERGIZED/DEENERGIZED
480V Buses	ENERGIZED/DEENERGIZED
DC Batteries	A/130 VOLTS B/30 VOLTS
Cnmt Pressure	-.19 PSIG
Cnmt Sump A Level	2.2 FEET
Cnmt Sump B Level	<8 INCHES
A Loop Hot Leg	493.5 OF
A Loop Cold Leg	493.8 OF
B Loop Hot Leg	495.7 OF
B Loop Cold Leg	494.0 OF
RVLIS	99.6 %
*CET	495.7 OF
S/G A Total Aux FW Flow	0 GPM
S/G B Total Aux FW Flow	197 GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 11.5 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps
FI-924 0 GPM
FI-925 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 10 %

Low Head S.I. Pumps
FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 93.4 %

Containment Spray Pumps
FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 72/80 PSIG

Component Cooling Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 52 %

Standby Aux. Feedwater Pumps
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	8.91247+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	9.00531+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.01391-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.01391-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	1084.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	42.7	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	12.3	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	106.9	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	60.5	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	63.2	HWRN	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	48.1	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	1078.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	622.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.19	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.2	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	493.5	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	495.7	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	493.8	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	494.0	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	493.7	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	494.8	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.6	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	495.7	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	197.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	ON	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	80.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	OFF	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
10:16:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.9	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	80.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	61.3	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	63.3	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	2.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	7.35678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	1.46701+02	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.52174+04	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.57835+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	2.09411-07	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.34492-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	1.27941-03	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	2.90040+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

0-J

Time: 1015
Message: 31

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Auxiliary Operator sent to Screenhouse to check the "A" Service Water Pump trip problem.

Simulated Plant Conditions: See the Attached Mini-Scenario

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) Provide information verbally when appropriate actions are simulated or investigations are made by the Auxiliary Operator sent to the Screenhouse to check the "A" SW Pump trip problem.

Anticipated Results:

1) As per Mini-Scenario Anticipated Results.

GINNA STATION

1992 EVALUATED EXERCISE

MINI-SCENARIO

Activity:

"A" Service Water Pump tripping out problem check out.

FOR CONTROLLER USE ONLY

Controller Notes:

1) When Auxiliary Operator checks the "A" SW Pump, inform the pump appears normal.

2) If Auxiliary Operator checks the "A" SW Pump Electrical Breaker, inform him that it appears normal.

3) Go directly to the Gas Leak Detection Mini-Scenario.

Anticipated Results:

1) Auxiliary Operator should check the "A" SW Pump motor for heat (i.e., by touching motor) and for odor (i.e., by smelling).

2) Auxiliary Operator should inform Control Room/TSC of results of the "A" SW Pump inspection.

Time: 1030
Message: 32

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Auxiliary Operator in Screenhouse, detection and isolation of the Natural Gas leak.

Simulated Plant Conditions: See the Attached Mini-Scenario

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) Provide information verbally when appropriate actions are simulated or investigations are made by the Auxiliary Operator sent to the Screenhouse to check the "A" SW Pump trip problem.

Anticipated Results:

1) As per Mini-Scenario Anticipated Results.

GINNA STATION

1992 EVALUATED EXERCISE

MINI-SCENARIO

Activity:

Screenhouse Flammable Gas Leak Detection and Isolation

FOR CONTROLLER USE ONLY

Controller Notes:

1) When Auxiliary Operator enters the Screenhouse and checks the "A" SW Pump motor, inform him that there is a very strong odor of gas where he is standing.

2) When the Auxiliary Operator checks the Basement of the Screenhouse, inform him that there is a hissing sound coming from the ceiling.

Anticipated Results:

1) Auxiliary Operator should inform Control Room/TSC of the strong odor of gas by the "A" SW Pump and the stronger odor of gas and the hissing sound in the Basement of the Screenhouse.

2) When requested by Control Room/TSC to isolate Natural Gas and propane gas to Screenhouse, Auxiliary Operator will simulate the following:

   a) Closing the Gas Shutoff for Natural Gas to the Screenhouse (V7229A) located just outside of Screenhouse, southeast corner.
   b) Closing the Gas Shutoffs on top of the propane tanks supplying the Screenhouse located west of Screenhouse.

3) Auxiliary Operator should inform Control Room/TSC of isolation of gas to the Screenhouse.

Time: 1030
Message: 33

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

Anticipated Results:

1) Operators performing the Applicable Actions of E-3.

2) Control Room/TSC, when informed of the gas leak in the Screenhouse, should request the Auxiliary Operator to isolate all sources of gas to the Screenhouse.

3) Control Room should communicate with the TSC on the gas problem in the Screenhouse.

4) If not already isolated, the Control Room/TSC should send an Auxiliary Operator to isolate the "B" S/G ARV when requested to do so.

(continued on the next page)

5) TSC, after assessing Plant conditions, should declare a SITE AREA EMERGENCY in accordance with EPIP 1-0, "Ginna Station Event Evaluation and Classification," EAL: Hazards Being Experienced or Projected; Entry of Uncontrolled Flammable Gases into Vital Areas. Appropriate notification should be made per EPIP 1-5 (Notifications) and O-9.3 (NRC, State and Counties Immediate Notification).

6) TSC should inform the EOF of Plant Conditions and the SITE AREA EMERGENCY declaration.

7) A Site Evacuation should be commenced if it is determined necessary.

8) Repair team sent out to check the CCW Pump, should report the 1A CCW Pump Mechanical Seal needs replacing and that the 1A CCW Pump motor needs to be cleaned and dried or replaced. They report these repairs will take approximately eight (8) hours. They also report that the 1B CCW Pump Mechanical Seal is leaking a small amount.

9) Repair team sent out to check the "A" S/G ARV control problem should report that the ARVs Mercoid Controller needs to be replaced. They report that it will take approximately one (1) hour to repair it.

10) If not already done, the Repair Team sent out to check the "B" S/G ARV steam leak should request that it be isolated.

1992 EVALUATED EXERCISE Time: 1030

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	82 CPS
N-32	88 CPS
N-35	1.0E-11 AMPS
N-36	1.0E-11 AMPS
Avg. Nuclear Power	0 %
RCS Pressure	1076 PSIG
PRZR Level	43.0 %
A RCP	RUNNING/STOPPED
B RCP	RUNNING/STOPPED
1A S/G Level	62.2 %
1B S/G Level	57.1 %
1A S/G Pressure	1071 PSIG
1B S/G Pressure	622 PSIG
Turbine/Generator	ONLINE/OFFLINE
4 KV Buses	ENERGIZED/DEENERGIZED
480V Buses	ENERGIZED/DEENERGIZED
DC Batteries	A/130 VOLTS B/130 VOLTS
Cnmt Pressure	-.21 PSIG
Cnmt Sump A Level	2.2 FEET
Cnmt Sump B Level	<8 INCHES
A Loop Hot Leg	493.5 OF
A Loop Cold Leg	493.8 OF
B Loop Hot Leg	495.5 OF
B Loop Cold Leg	494.0 OF
RVLIS	99.6 %
*CET	495.7 OF
S/G A Total Aux FW Flow	0 GPM
S/G B Total Aux FW Flow	168 GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 9 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps
FI-924 0 GPM
FI-925 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 10 %

Low Head S.I. Pumps
FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 93.4 %

Containment Spray Pumps
FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 72/80 PSIG

Component Cooling Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	8.20350+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	8.79019+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.01391-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.01391-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	1076.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	43.0	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	12.3	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	106.9	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	59.6	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	62.2	HWRN	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	57.1	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	1071.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	622.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 161372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.21	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.2	GOOD	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	493.5	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	495.5	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	493.8	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	494.0	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	493.7	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	494.7	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.6	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	495.7	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	158.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	ON	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	80.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	OFF	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
10:32:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.8	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	80.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	61.3	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	63.0	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	1.7	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	7.35678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	1.43501+02	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.47174+04	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.57835+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	2.09411-07	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.34492-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	1.27941-03	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	2.85040+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

-O-J

Time: 1045
Message: 34

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) Accident response and evaluation continue.

2) If not done earlier, the Auxiliary Operator sent out to isolate the "B" S/G ARV steam leak, reports to Control Room/TSC that it is isolated.

Anticipated Results:

1) Operators performing the actions of E-3/Steam Generator Tube Ruptures) should have stabilized the Plant at approximately this time and be awaiting determination by the TSC as to what post SGTR Cooldown procedure to use.

2) If not done earlier, Control Room should inform the TSC of the "B" S/G ARV steam leak isolation.

3) The TSC should be evaluating the flammable gas problem in the Screenhouse and be taking corrective actions required to return the Screenhouse to a safe condition.

(continued on the next page)

4) The TSC Dose Assessment should be calculating and quantifying any release paths to the environment.

5) TSC should have determined and informed the Control Room to use ES-3.1 (Post-SGTR Cooldown Using Backfill).

6) Repair Team sent out to check the "B" S/G ARV steam leak should have reported back that it appears that the steam leak was from a hole drilled almost through the pipe. They report that it will take approximately one and one-half hours to repair the leak.

1992 EVALUATED EXERCISE Time: 1045

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	86 CPS
N-32	88 CPS
N-35	1.0E-11 AMPS
N-36	1.0E-11 AMPS
Avg. Nuclear Power	0 %
RCS Pressure	1071 PSIG
PRZR Level	43.4 %
A RCP	RUNNING/STOPPED
B RCP	RUNNING/STOPPED
1A S/G Level	61.5 %
1B S/G Level	64.3 %
1A S/G Pressure	1065 PSIG
1B S/G Pressure	622 PSIG
Turbine/Generator	ONLINE/OFFLINE
4 KV Buses	ENERGIZED/DEENERGIZED
480V Buses	ENERGIZED/DEENERGIZED
DC Batteries	A 130 VOLTS B 130 VOLTS
Cnmt Pressure	-.21 PSIG
Cnmt Sump A Level	2.3 FEET
Cnmt Sump B Level	<8 INCHES
A Loop Hot Leg	493.5 OF
A Loop Cold Leg	493.8 OF
B Loop Hot Leg	495.5 OF
B Loop Cold Leg	494.0 OF
RVLIS	99.6 %
*CET	495.7 OF
S/G A Total Aux FW Flow	0 GPM
S/G B Total Aux FW Flow	158 GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps

1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 7 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps

FI-924 0 GPM
FI-925 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 10 %

Low Head S.I. Pumps

FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 93.4 %

Containment Spray Pumps

FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 72/80 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	8.63971+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	8.82061+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.01391-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.01391-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	1071.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	43.4	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	12.3	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	106.9	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	59.0	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	61.5	HWRN	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	64.3	HWRN	%
17	PSGA	STM GEN A AVERAGE PRESSURE	1065.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	622.	GOOD	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 161372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.21	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.3	HWRN	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	493.5	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	495.5	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	493.8	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	494.0	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	493.7	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	494.7	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.6	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	495.7	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	158.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	ON	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	80.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	OFF	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
10:49:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.2	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	79.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	61.4	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	63.5	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	2.1	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	7.35678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	1.41701+02	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.42174+04	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.57835+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	2.09411-07	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.34492-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	1.27941-03	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	2.72040+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

D-J

Time: 1045
Message: 35

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Screenhouse Natural Gas Removal Fire and Safety Team.

Simulated Plant Conditions: See the Attached Mini-Scenario

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) Provide information verbally when appropriate investigations and actions are made by the Screenhouse Natural Gas Removal Fire and Safety Team.

Anticipated Results:

1) As per Mini-Scenario Anticipated Results.

GINNA STATION

1992 EVALUATED EXERCISE

MINI-SCENARIO

Activity:

Screenhouse Natural Gas Removal

FOR CONTROLLER USE ONLY

Controller Notes:

1) If Fire and Safety Team checks gas concentration, inform them that the gas concentration is not within the flammable range of the combustible gas indicator used.

Anticipated Results:

1) Fire and Safety Team should evaluate wind direction to determine best utilization for natural ventilation and prepare hose lines for fire suppression activities.

2) Fire and Safety Team should simulate establishing natural ventilation via breaking grade level Screen House windows on South side first and breaking glass windows in Northwest section. Master stream fog lines should be activated on the South side in the area of the broken windows to enhance air movement and promote rapid ventilation of the area.

Time: 1045
Message: 36X

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: TSC Emergency Coordinator

Simulated Plant Conditions:

Message: ***THIS IS AN EXERCISE***

Declare a SITE AREA EMERGENCY in accordance with EPIP 1-0, "Ginna Station Event Evaluation and Classification," EAL: Hazards Being Experienced or Projected; Entry of Uncontrolled Flammable Gases into Vital Areas.

FOR CONTROLLER USE ONLY

Controller Notes:

1) Deliver only if SITE AREA EMERGENCY has not been declared.
Do not deliver if Emergency Classification discussions are in progress.

Anticipated Results:

1) Deliver contingency message if SITE AREA EMERGENCY is not declared or is not being discussed.

Time: 1100
Message: 37

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

The Condensate Storage Tanks are at five (5) feet.

FOR CONTROLLER USE ONLY

Controller Notes:

Anticipated Results:

1) Operators should refer to ER-AFW.1 (Alternate Water Supply to AFW Pumps) per foldout page of ES-3.1, Statement 4, which states, "If CST level decreases to less than five (5) feet, then switch to alternate AFW supply (refer to ER-AFW.1, Alternate Water Supply to AFW Pumps)" and perform applicable actions.

2) Control Room should inform TSC of low level in the CSTs.

3) Control Room should be performing the applicable actions of ES-3.1 (post-SGTR Cooldown Using Backfill).

4) TSC should be evaluating Plant conditions and taking action where required.

5) TSC should inform security of the as found conditions of the "B" S/G ARV steam leak.

(continued on next page)

6) TSC Dose Assessment performing offsite dose calculations as required.

7) TSC should be expediting the repair of the S/G ARVs because of their use during such events as loss of condenser and Plant cooldown.

8) TSC should send a repair team to check out the "A" SW Pump problem when Screenhouse is declared safe for entry.

9) TSC should inform EOF of Plant status and problems.

10) Security should be evaluating the drilled hole in the "B" S/G ARV pipe.

11) The EOF, after it is manned, should start assessing Plant conditions and take action as required.

1992 EVALUATED EXERCISE Time: 1100

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	85 CPS
N-32	83 CPS
N-35	1.0E-11 AMPS
N-36	1.0E-11 AMPS
Avg. Nuclear Power	0 %
RCS Pressure	1056 PSIG
PRZR Level	43.1 %
A RCP	RUNNING/STOPPED
B RCP	RUNNING/STOPPED
1A S/G Level	59.6 %
1B S/G Level	50.5 %
1A S/G Pressure	1053 PSIG
1B S/G Pressure	585 PSIG
Turbine/Generator	ONLINE/OFFLINE
4 KV Buses	ENERGIZED/DEENERGIZED
480V Buses	ENERGIZED/DEENERGIZED
DC Batteries	A/130 VOLTS B/130 VOLTS
Cnmt Pressure	-.21 PSIG
Cnmt Sump A Level	2.3 FEET
Cnmt Sump B Level	<8 INCHES
A Loop Hot Leg	490.4 0F
A Loop Cold Leg	488.4 0F
B Loop Hot Leg	490.2 0F
B Loop Cold Leg	488.2 0F
RVLIS	99.7 %
*CET	489.9 0F
S/G A Total Aux FW Flow	0 GPM
S/G B Total Aux FW Flow	72 GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 5 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps
FI-924 0 GPM
FI-925 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 10 %

Low Head S.I. Pumps
FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 93.4 %

Containment Spray Pumps
FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 72/80 PSIG

Component Cooling Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	8.46249+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	8.28893+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.01391-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.01391-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	1056.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	43.1	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	12.3	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	107.5	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	63.1	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	59.6	HWRN	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	50.5	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	1053.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	585.	LWRN	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.21	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.3	HWRN	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	490.4	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	490.2	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	488.4	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	488.2	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	489.4	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	489.2	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.7	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	489.9	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	72.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	ON	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	80.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	OFF	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
11:01:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.8	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	79.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	62.4	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	64.9	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	2.5	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	7.35678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	1.38701+02	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.38174+04	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.57835+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	2.09411-07	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.34492-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	1.27941-03	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	2.68040+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

0-J

Time: 1100
Message: 38

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: 1A SW Pump Trip Problem Repair Team

Simulated Plant Conditions: See the Attached Mini-Scenario

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) Provide information verbally when appropriate investigations and actions are made by the 1A SW Pump Trip Problem Repair Team.

Anticipated Results:

1) As per Mini-Scenario Anticipated results.

GINNA STATION

1992 EVALUATED EXERCISE

MINI-SCENARIO

TITLE: 1A Service Water Pump Breaker Trip
Expected scenario start time: 1015

INITIAL CONDITIONS: Pump running

METHOD OF INITIATION: Breaker trips, Operations calls for Electricians to investigate.

INDICATIONS:

CONTROL ROOM:
- Alarm Window: "J-9" Safeguard Breaker Trip
- White (disagreement) light: SWP1A

BUS 18/POS 29C:
- Amptector: No indication of Amptector
- Alarm switch contacts not activated

SWP1A MOTOR:
- No indication of trouble

LOCAL CTRL STA.:
- No indication of trouble

- MCB Control Switch to "Trip" clears white light and Alarm.
- Attempts to close breaker from Control Room do not succeed; indications as above.
- When Local Control Panel Transfer Switch is turned to "Local," breaker can be closed electrically. Transfer to "Remote" (MCB) Trips Breaker with above indications again.

EXPECTED SEQUENCE OF ACTIONS:

- Investigate Screenhouse for visible signs near breaker or motor.
  - No indications noticed
- Obtain holds, clearances, and test equipment.
- Simulate measuring resistance phase to phase & megger motor from Bus 18/Pos 29C readings:

  Megger readings: > 100 MΩ to ground
  Phase to phase resistance: good

(continue on next page)

- Take Local/Remote Switch to Local and close breaker.
- Test and confirm shorted Red Light.

FINAL CONDITIONS:

Service Water Pump operated from Local Control Panel.
Locate shorted Red Light in Main Control Board, and replace.
Return Breaker to service.

Time: 1100
Message: 39

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Security Investigation of the "B" S/G ARV Pipe Drilled Hole Team

Simulated Plant Conditions: See the Attached Mini-Scenario

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) Provide information verbally when appropriate investigations are made by the Security Investigation Team investigating the "B" S/G ARV Pipe Drilled Hole.

Anticipated Results:

1) As per Mini-Scenario Anticipated Results.

GINNA STATION

1992 EVALUATED EXERCISE

MINI-SCENARIO

Activity:

Security Investigation of the "B" S/G ARV Pipe Drilled Hole

FOR CONTROLLER USE ONLY

Controller Notes:

1) Security should follow their normal procedures for apparent tampering with equipment.

2) See attached sketch on Steam Leak.

Anticipated Results:

1) Security should check the door entries to Steam Header area for a selected time block.

2) Based upon the entries into the area, a profile should be performed on selected individuals.

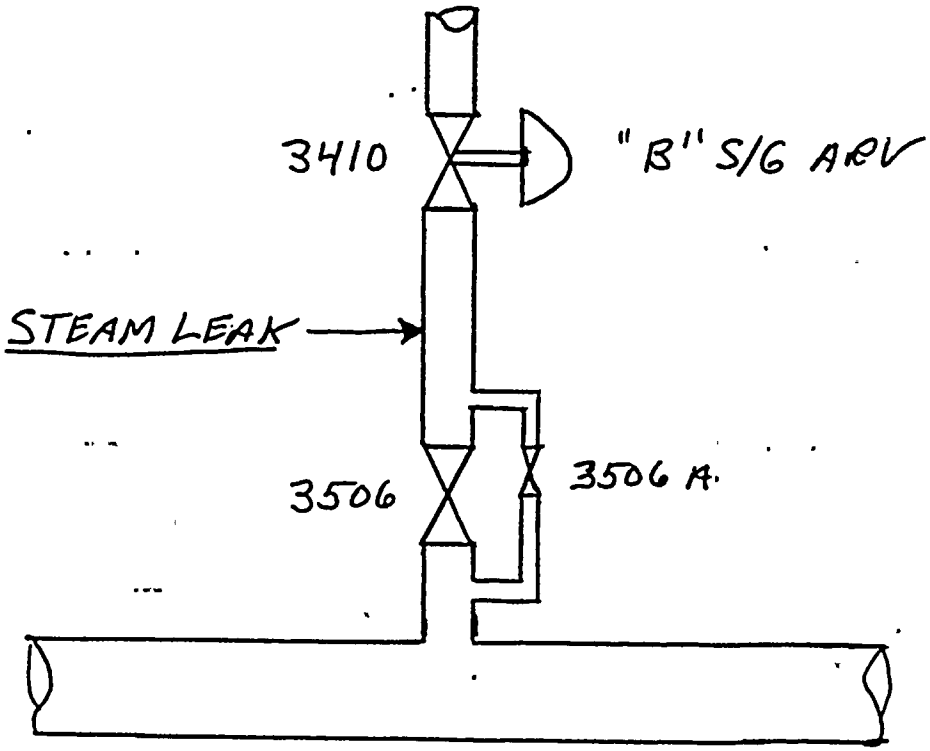
3) Based upon results of the above profiles, security may simulate interrogation of selected individuals.

4) Inform TSC and EOF of any findings from above.

ROCHESTER GAS AND ELECTRIC CORPORATION

49-168 S

GINNA STATION:	DATE:	PAGE OF
JOB: SKETCH OF "B" S/G ARV STEAM LEAK	MADE BY: WNB	



Time: 1115
Message: 40

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) DI Truck starts pumping to outside storage tank.

Anticipated Results:

1) Operators performing the Applicable Actions of ES-3.1 (Post-SGTR Cooldown Using Backfill).

2) Operators performing the Applicable Actions of ER-AFW.1 (Alternate Water Supply to the AFW Pumps).

1992 EVALUATED EXERCISE Time: 1115

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	83 CPS
N-32	87 CPS
N-35	1.0E-11 AMPS
N-36	1.0E-11 AMPS
Avg. Nuclear Power	0 %
RCS Pressure	1025 PSIG
PRZR Level	41.6 %
A RCP	RUNNING/STOPPED
B RCP	RUNNING/STOPPED
1A S/G Level	53.5 %
1B S/G Level	36.1 %
1A S/G Pressure	1024 PSIG
1B S/G Pressure	469 PSIG
Turbine/Generator	ONLINE/OFFLINE
4 KV Buses	ENERGIZED/DEENERGIZED
480V Buses	ENERGIZED/DEENERGIZED
DC Batteries	A 130 VOLTS B 130 VOLTS
Cnmt Pressure	-.21 PSIG
Cnmt Sump A Level	2.4 FEET
Cnmt Sump B Level	<8 INCHES
A Loop Hot Leg	472.7 OF
A Loop Cold Leg	469.6 OF
B Loop Hot Leg	471.8 OF
B Loop Cold Leg	469.4 OF
RVLIS	99.9 %
*CET	471.5 OF
S/G A Total Aux FW Flow	0 GPM
S/G B Total Aux FW Flow	196 GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 8 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps
FI-924 0 GPM
FI-925 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 10 %

Low Head S.I. Pumps
FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 93.4 %

Containment Spray Pumps
FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 72/80 PSIG

Component Cooling Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 57 %

Standby Aux. Feedwater Pumps
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	8.31763+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	8.66958+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.01391-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.01391-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	1025.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	41.6	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	12.6	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	109.4	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	77.9	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	53.5	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	36.1	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	1024.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	469.	LALM	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.21	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.4	HWRN	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	472.7	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	471.8	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	469.6	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	469.4	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	471.2	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	470.6	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.9	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	471.5	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	196.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	ON	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION:LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	80.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	OFF	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
11:15:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.6	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	80.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	62.5	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	64.9	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	2.4	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	7.35678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	1.36701+02	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.32174+04	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.57835+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	2.09411-07	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.34492-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	1.27941-03	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	2.50040+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

-O-J

Time: 1120
Message: 41

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Technical Support Center/I&C Repair Team

Simulated Plant Conditions:

Message: ***THIS IS AN EXERCISE***

The "A" S/G ARV mercoid is repaired and ready for return for service.

FOR CONTROLLER USE ONLY

Controller Notes:

1) The I&C Repair Team working on the "A" S/G ARV Mercoid should report this message to the TSC. TSC Controller and I&C Repair Team Controller to coordinate this report at 1120 hours.

Anticipated Results:

1) Operators performing Applicable Actions of ES-3.1 (Post_SGTR Cooldown Using Backfill).

2) Operators performing Applicable Actions of ER-AFW.1.

3) Operators should return the "A" S/G ARV to service if requested by the TSC.

4) TSC evaluating Plant conditions and taking action where required.

5) TSC may request Control Room to return the "A" S/G ARV to service.

(continued on next page)

6) Security should be evaluating the Drilled Hole in the "B" S/G ARV Pipe.

7) EOF should be assessing Plant conditions and taking action as required.

8) EOF Dose Assessment should be performing offsite Dose Assessment as required, in parallel with the TSC Dose Assessment.

9) The EOF should be assuming command and control at approximately this time.

10) Repair teams performing actions as required to return equipment to service as soon as possible.

11) The Mobile DI Unit should be connected and in operation and the inside condensate storage tanks should be being filled.

Time: 1120
Message: 42

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Auxiliary Operator sent to return the "A" S/G ARV to service

Simulated Plant Conditions: See the Attached Mini-Scenario

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) Provide information verbally when appropriate actions are simulated by the Auxiliary Operator sent to return the "A" S/G ARV to service.

Anticipated Results:

1) As per Mini-Scenario Anticipated Results.

GINNA STATION

1992 EVALUATED EXERCISE

MINI-SCENARIO

Activity:

Return to service of the "A" S/G ARV

FOR CONTROLLER USE ONLY

Controller Notes:

1) Ensure Auxiliary Operator simulates opening Manual Valve 3507 ("A" S/G ARV Isolation Valve).

2) Ensure Auxiliary Operator simulates checking Manual Valve 3507A ("A" S/G ARV Isolation Valve, Bypass Valve) closed.

3) Controller must notify the Simulator Control Booth Operator at Ext. 6641 to coordinate actions on this Mini-Scenario.

Anticipated Results:

1) Auxiliary Operator should simulate returning to Service (i.e. unisolating) the "A" S/G ARV.

2) Auxiliary Operator, after simulating return to service of the "A" S/G ARV, should inform Control Room/TSC.

3) Control Room may place "A" S/G ARV to Automatic Control.

Time: 1130
Message: 43

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

Anticipated Results:

1) Operators performing the Applicable Actions of ES-3.1 (Post-SGTR Cooldown Using Backfill).

1992 EVALUATED EXERCISE Time: 1130

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	87 CPS
N-32	79 CPS
N-35	1.0E-11 AMPS
N-36	1.0E-11 AMPS
Avg. Nuclear Power	0 %
RCS Pressure	1002 PSIG
PRZR Level	41.7 %
A RCP	RUNNING/STOPPED
B RCP	RUNNING/STOPPED
1A S/G Level	48.6 %
1B S/G Level	34.9 %
1A S/G Pressure	1000 PSIG
1B S/G Pressure	401 PSIG
Turbine/Generator	ONLINE/OFFLINE
4 KV Buses	ENERGIZED/DEENERGIZED
480V Buses	ENERGIZED/DEENERGIZED
DC Batteries	A/130 VOLTS B/130 VOLTS
Cnmt Pressure	-.24 PSIG
Cnmt Sump A Level	2.4 FEET
Cnmt Sump B Level	<8 INCHES
A Loop Hot Leg	457.8 OF
A Loop Cold Leg	455.0 OF
B Loop Hot Leg	457.0 OF
B Loop Cold Leg	454.8 OF
RVLIS	99.9 %
*CET	466.6 OF
S/G A Total Aux FW Flow	0 GPM
S/G B Total Aux FW Flow	202 GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 8 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps
FI-924 0 GPM
FI-925 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 10 %

Low Head S.I. Pumps
FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 93.4 %

Containment Spray Pumps
FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 72/80 PSIG

Component Cooling Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 57 %

Standby Aux. Feedwater Pumps
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	8.75988+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	7.92501+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.01391-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.01391-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	1002.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	41.7	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	12.8	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	110.8	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	90.1	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	48.6	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	34.9	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	1000.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	401.	LALM	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.24	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.4	HWRN	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	457.8	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	457.0	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	455.0	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	454.8	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	456.4	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	455.9	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.9	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	456.6	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	202.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	ON	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	80.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	OFF	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
11:31:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.6	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	79.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	62.7	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	64.8	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	2.1	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	7.35678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	1.34701+02	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.28174+04	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.57835+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	2.09411-07	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.34492-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	1.27941-03	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	2.50040+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

-0-J

Time: 1145
Message: 44

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Technical Support Center/Pipefitter & Welder Repair Team

Simulated Plant Conditions:

Message: ***THIS IS AN EXERCISE***

The "B" S/G ARV steam leak is repaired and ready for return to service.

FOR CONTROLLER USE ONLY

Controller Notes:

1) The Pipefitter & Welder Repair Team working on the "B" S/G ARV steam leak should report this message to the TSC. TSC Controller and Pipefitter & Welder Repair Team Controller to coordinate this report at 1145 hours.

Anticipated Results:

1) TSC should request Control Room to return the "B" S/G ARV to service.

2) Operators should return the "B" S/G ARV to service.

Time: 1145
Message: 45

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Auxiliary Operator sent to return the "B" S/G ARV to service

Simulated Plant Conditions: See the Attached Mini-Scenario

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) Provide information verbally when appropriate actions are simulated by the Auxiliary Operator sent to return the "B" S/G ARV to service.

2) Controller must notify the Simulator Control Booth Operator at Ext 6641 to coordinate actions on this Mini-Scenario.

Anticipated Results:

1) As per Mini-Scenario Anticipated Results.

GINNA STATION

1992 EVALUATED EXERCISE

MINI-SCENARIO

Activity:

Return to service of the "B" S/G ARV

FOR CONTROLLER USE ONLY

Controller Notes:

1) Ensure Auxiliary Operator simulates opening Manual Valve 3506 ("B" S/G ARV Isolation Valve).

2) Ensure Auxiliary Operator simulates checking Manual Valve 3506A ("B" S/G ARV Isolation Valve, Bypass Valve) closed.

Anticipated Results:

1) Auxiliary Operator should simulate returning to service (i.e., unisolating) the "B" S/G ARV.

2) Auxiliary Operator, after simulating return to service of the "B" S/G ARV, should inform Control Room/TSC.

3) Control Room should place "B" S/G ARV to automatic control.

Time: 1145
Message: 46

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

Anticipated Results:

1) Operators performing the Applicable Actions of ES-3.1 (Post-SGTR Cooldown Using Backfill).

2) TSC evaluating Plant conditions and taking action as required.

3) TSC should request Control Room to return the "B" S/G ARV to service.

4) EOF evaluating Plant conditions and taking action as required.

1992 EVALUATED EXERCISE Time: 1145

MAJOR PARAMETERS

Reactor Shutdown	YES/NO	
N-31	79	CPS
N-32	83	CPS
N-35	1.0E-11	AMPS
N-36	1.0E-11	AMPS
Avg. Nuclear Power	0	%
RCS Pressure	976	PSIG
PRZR Level	46.3	%
A RCP	RUNNING/STOPPED	
B RCP	RUNNING/STOPPED	
1A S/G Level	42.5	%
1B S/G Level	40.7	%
1A S/G Pressure	973	PSIG
1B S/G Pressure	350	PSIG
Turbine/Generator	ONLINE/OFFLINE	
4 KV Buses	ENERGIZED/DEENERGIZED	
480V Buses	ENERGIZED/DEENERGIZED	
DC Batteries	A/130 VOLTS	B/130 VOLTS
Cnmt Pressure	-.26	PSIG
Cnmt Sump A Level	2.4	FEET
Cnmt Sump B Level	<8	INCHES
A Loop Hot Leg	443.2	0F
A Loop Cold Leg	441.7	0F
B Loop Hot Leg	443.4	0F
B Loop Cold Leg	441.5	0F
RVLIS	99.8	%
*CET	443.3	0F.
S/G A Total Aux FW Flow	0	GPM
S/G B Total Aux FW Flow	0	GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 10 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps
FI-924 0 GPM
FI-925 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 10 %

Low Head S.I. Pumps
FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 93.4 %

Containment Spray Pumps
FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 72/80 PSIG

Component Cooling Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	7.87043+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	8.34639+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.01391-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.01391-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	976.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	46.3	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	12.9	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	111.9	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	100.1	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	42.5	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	40.7	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	973.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	350.	LALM	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 161372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.26	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.4	HWRN	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	443.2	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	443.4	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	441.7	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	441.5	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	442.4	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	442.5	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.8	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	443.3	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	1.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	GBOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	80.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	OFF	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
11:47:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	6.2	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	76.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	65.0	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	66.8	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	1.8	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	7.35678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	1.32701+02	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.28174+04	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.57835+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	2.09411-07	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.34492-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	1.27941-03	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	2.42040+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

-O-J

Time: 1145
Message: 46.1

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: EOF Facilities and Personnel Manager, Voice Communications Support Staff, Engineering Support Center Staff

Simulated Plant Conditions: See the Attached Mini-Scenario

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) Provide information verbally that several Rochester Telephone phone sets are inoperable due to an unspecified cause.

Anticipated Results:

1) As per Mini-Scenario Anticipated Results.

GINNA STATION

1992 EVALUATED EXERCISE

MINI-SCENARIO

TITLE: EOF Telephone System Failure
Expected scenario start time: 1145

INITIAL CONDITIONS:

Centrex, Rochester Telephone and New York Telephone extensions operable.

METHOD OF INITIATION:

EOF and ESC Controllers inform EOF and ESC Staff that several Rochester Telephone extensions are not working.

INDICATIONS:

Controllers should have tags ready to place on phone sets indicating they are not functional.

EXPECTED SEQUENCE OF ACTIONS:

1. Voice communications staff to initiate investigation on cause of telephone system malfunction.
2. Appropriate announcements made to EOF and ESC staffs.
3. Voice and fax communications should be transferred to alternate telephone systems.
4. EOF Dose Assessment may need to obtain weather tower data through alternate telephone extension.

FINAL CONDITIONS:

Players will be given credit for actions taken.

Telephones will not be restored before the end of the exercise.

Time: 1145
Message: 46.2

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Health Physics Technician stationed in the TSC.

Simulated Plant Conditions: See the Attached Mini-Scenario

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) Health Physics controller may alarm the frisker probe with a check source to simulate contamination found on his shoes and clothing.

Anticipated Results:

1) As per Mini-Scenario Anticipated Results.

GINNA STATION

1992 EVALUATED EXERCISE

MINI-SCENARIO

TITLE: Contaminated Individual Arriving at the TSC
Expected scenario start time: 1145

INITIAL CONDITIONS:

Frisking stations and step-off pads set up at TSC entrances.

METHOD OF INITIATION:

Health Physics controller alarms the frisker probe with a check source to simulate contamination on his shoes and clothing.

INDICATIONS:

Controller should provide simulated readings to HP technician responding to frisker alarm.

Bottoms of shoes:	2000 cpm
Socks and pant cuffs:	500 cpm

Floor areas at TSC entrance: 200 - 1000 cpm

EXPECTED SEQUENCE OF ACTIONS:

1. HP technician responds and conducts monitoring of contaminated individual.
2. HP/Chemistry Manager is informed.
3. TSC entrance secured to prevent further spread of contamination.
4. Follow-up actions required by HP-6.3 are initiated for documentation and decontamination.
5. Technicians should investigate and survey for extent of contamination spread within TSC and areas outside of TSC. **(Controller will provide readings to players as requested).**

FINAL CONDITIONS:

Health Physics Controller to give credit for decontamination and contamination control actions taken. Readings to be reduced as appropriate, depending on actions taken.

Time: 1200
Message: 47

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

Anticipated Results:

1) Operators performing the Applicable Actions of ES-3.1 (Post-SGTR Cooldown Using Backfill).

2) TSC evaluating Plant conditions and taking action as required.

3) EOF Plant conditions and taking action as required.

1992 EVALUATED EXERCISE Time: 1200

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	81 CPS
N-32	81 CPS
N-35	1.0E-11 AMPS
N-36	1.0E-11 AMPS
Avg. Nuclear Power	0 %
RCS Pressure	958 PSIG
PRZR Level	51.8 %
A RCP	RUNNING/STOPPED
B RCP	RUNNING/STOPPED
1A S/G Level	38.2 %
1B S/G Level	40.8 %
1A S/G Pressure	963 PSIG
1B S/G Pressure	326 PSIG
Turbine/Generator	ONLINE/OFFLINE
4 KV Buses	ENERGIZED/DEENERGIZED
480V Buses	ENERGIZED/DEENERGIZED
DC Batteries	A/30 VOLTS B/30 VOLTS
Cnmt Pressure	-.28 PSIG
Cnmt Sump A Level	2.5 FEET
Cnmt Sump B Level	<8 INCHES
A Loop Hot Leg	434.7 0F
A Loop Cold Leg	434.6 0F
B Loop Hot Leg	436.0 0F
B Loop Cold Leg	434.6 0F
RVLIS	99.7 %
*CET	435.9 0F
S/G A Total Aux FW Flow	0 GPM
S/G B Total Aux FW Flow	42 GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 11 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps
FI-924 0 GPM
FI-925 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 10 %

Low Head S.I. Pumps
FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 93.4 %

Containment Spray Pumps
FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 72/80 PSIG

Component Cooling Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	8.11894+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	8.09093+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.01391-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.01391-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	958.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	51.8	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	12.9	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	112.5	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	105.4	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	38.2	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	40.8	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	953.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	326.	LALM	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.28	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.5	HWRN	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	434.7	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	436.0	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	434.6	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	434.6	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	434.6	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	435.3	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.7	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	435.9	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	42.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	ON	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION:LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	80.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	OFF	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
12:01:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	6.1	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	77.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	65.1	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	66.8	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	1.7	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	7.35678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	1.29701+02	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.19174+04	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.57835+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	2.09411-07	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.34492-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	1.27941-03	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	2.33040+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

O-J

Time: 1215
Message: 48

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

Anticipated Results:

1) Operators performing the Applicable Actions of ES-3.1 (Post-SGTR Cooldown Using Backfill).

2) TSC evaluating Plant conditions and taking action as required.

3) EOF evaluating Plant conditions and taking action as required.

1992 EVALUATED EXERCISE Time: 1215

MAJOR PARAMETERS

Reactor Shutdown	YES/NO	
N-31	86	CPS
N-32	80	CPS
N-35	1.0E-11	AMPS
N-36	1.0E-11	AMPS
Avg. Nuclear Power	0	%
RCS Pressure	899	PSIG
PRZR Level	58.9	%
A RCP	RUNNING/STOPPED	
B RCP	RUNNING/STOPPED	
1A S/G Level	29.4	%
1B S/G Level	36.0	%
1A S/G Pressure	919	PSIG
1B S/G Pressure	268	PSIG
Turbine/Generator	ONLINE/OFFLINE	
4 KV Buses	ENERGIZED/DEENERGIZED	
480V Buses	ENERGIZED/DEENERGIZED	
DC Batteries	A/130 VOLTS	B/130 VOLTS
Cnmt Pressure	-.28	PSIG
Cnmt Sump A Level	2.5	FEET
Cnmt Sump B Level	<8	INCHES
A Loop Hot Leg	418.9	0F
A Loop Cold Leg	416.2	0F
B Loop Hot Leg	418.0	0F
B Loop Cold Leg	416.0	0F
RVLIS	99.6	%
*CET	417.7	0F
S/G A Total Aux FW Flow	0	GPM
S/G B Total Aux FW Flow	189	GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 12 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps
FI-924 0 GPM
FI-925 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 10 %

Low Head S.I. Pumps
FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 93.4 %

Containment Spray Pumps
FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 72/80 PSIG

Component Cooling Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	8.55064+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	7.95241+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.01391-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.01391-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	899.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	58.9	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	13.0	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	114.0	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	115.7	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	29.4	LWRN	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	36.0	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	919.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	268.	LALM	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.28	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.5	HWRN	FEET
29	L0942E	SUMP B LEVEL 6 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	418.9	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	418.0	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	416.2	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	416.0	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	417.5	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	417.0	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.6	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	417.7	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	189.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	ON	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION:LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	80.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	OFF	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
12:15:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	6.5	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	77.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	66.0	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	67.8	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	1.8	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	7.35678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	1.27501+02	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.14174+04	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.57835+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	2.09411-07	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.34492-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	1.27941-03	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	2.25040+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

O-J

Time: 1230
Message: 49

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) Accident evaluation and response continues.

Anticipated Results:

1) Recovery/Re-entry and Declassification discussions should commence per the guidance provided in EPIP 3-4, "Emergency Declassification and Recovery." Discussions should also include but not be limited to the following:

   a) Preliminary discussions between the EOF and the TSC on the following:

      - Short Term Plant concerns such as:

        1. Cooldown and depressurization of the Plant.
        2. Repair and return to service of the "A" CCW Pump to ensure a redundant pump for decay heat removal.
        3. Repair and return to service of the "A" Service Water Pump.
        4. Repair and return to service of the Natural Gas line to the Screenhouse.
        5. Continued evaluation of the drilled hole in the "B" S/G ARV.

(continued on the next page)

- Intermediate Term Plant concerns such as:

  1. "A" S/G Tube inspection and repair.
  2. Possible "B" S/G Tube inspection.
  3. Radiological release calculations and evaluation.

b) Preliminary designation of the Recovery Organization.

c) State and counties may also conduct parallel Recovery/Re-entry discussions.

2) Recovery/Re-entry interface between the EOF/TSC and offsite agencies should be demonstrated as time allows.

1992 EVALUATED EXERCISE Time: 1230

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	80 CPS
N-32	85 CPS
N-35	1.0E-11 AMPS
N-36	1.0E-11 AMPS
Avg. Nuclear Power	0 %
RCS Pressure	892 PSIG
PRZR Level	61.8 %
A RCP	RUNNING/STOPPED
B RCP	RUNNING/STOPPED
1A S/G Level	21.7 %
1B S/G Level	57.7 %
1A S/G Pressure	891 PSIG
1B S/G Pressure	233 PSIG
Turbine/Generator	ONLINE/OFFLINE
4 KV Buses	ENERGIZED/DEENERGIZED
480V Buses	ENERGIZED/DEENERGIZED
DC Batteries	A 130 VOLTS B 130 VOLTS
Cnmt Pressure	-.30 PSIG
Cnmt Sump A Level	2.6 FEET
Cnmt Sump B Level	<8 INCHES
A Loop Hot Leg	403.8 OF
A Loop Cold Leg	402.5 OF
B Loop Hot Leg	404.2 OF
B Loop Cold Leg	402.5 OF
RVLIS	99.5 %
*CET	403.6 OF
S/G A Total Aux FW Flow	0 GPM
S/G B Total Aux FW Flow	125 GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 13 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps
FI-924 0 GPM
FI-925 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 10 %

Low Head S.I. Pumps
FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 93.4 %

Containment Spray Pumps
FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 72/80 PSIG

Component Cooling Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	7.95241+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	8.46249+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.01391-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.01391-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	892.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	61.8	HWRN	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	13.2	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	115.2	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	128.6	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	21.7	LWRN	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	51.7	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	891.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	233.	LALM	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.30	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.6	HWRN	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	403.8	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	404.2	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	402.5	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	402.5	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	403.2	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	403.4	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.5	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	403.6	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	125.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	ON	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	80.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	OFF	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
12:30:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	8.5	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	67.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	69.0	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	67.8	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	1.8	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	7.35678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	1.24701+02	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.09474+04	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.57835+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	2.09411-07	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.34492-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	1.27941-03	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	2.18040+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

O-J

Time: 1245
Message: 50

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) Accident evaluation and response continues.

Anticipated Results:

1) Recovery/Re-entry and Declassification discussions should commence per the guidance provided in EPIP 3-4, "Emergency Declassification and Recovery." Discussions should also include but not be limited to the following:

   a) Preliminary discussion between the EOF and the TSC on the following:

      - Short term Plant concerns such as:

        1. Cooldown and depressurization of the Plant.
        2. Repair and return to service of the "A" CCW Pump to ensure a redundant pump for decay heat removal.
        3. Repair and return to service of the "A" Service Water Pump.
        4. Repair and return to service of the Natural Gas line to the Screenhouse.
           Note: An evaluation of this may lead to a discussion not to return Natural Gas to the Screenhouse.

(continued on the next page)

- Intermediate term Plant conditions such as:

    1. "A" S/G Tube inspection and repair.
    2. Possible "B" S/G Tube inspection.
    3. "A" S/G Tube rupture evaluation for root cause.
    4. Radiological release calculations and evaluation.

b) Preliminary designation of the Recovery Organization.

c) State and counties may also conduct parallel Recovery/Re-entry discussions.

2) Recovery/Re-entry interface between the EOF/TSC and offsite agencies should be demonstrated as time allows.

1992 EVALUATED EXERCISE Time: 1245

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	80 CPS
N-32	86 CPS
N-35	1.0E-11 AMPS
N-36	1.0E-11 AMPS
Avg. Nuclear Power	0 %
RCS Pressure	767 PSIG
PRZR Level	60.0 %
A RCP	RUNNING/STOPPED
B RCP	RUNNING/STOPPED
1A S/G Level	18.8 %
1B S/G Level	56.2 %
1A S/G Pressure	768 PSIG
1B S/G Pressure	202 PSIG
Turbine/Generator	ONLINE/OFFLINE
4 KV Buses	ENERGIZED/DEENERGIZED
480V Buses	ENERGIZED/DEENERGIZED
DC Batteries	A/130 VOLTS B/130 VOLTS
Cnmt Pressure	-.34 PSIG
Cnmt Sump A Level	2.6 FEET
Cnmt Sump B Level	<8 INCHES
A Loop Hot Leg	392.7 0F
A Loop Cold Leg	391.2 0F
B Loop Hot Leg	392.9 0F
B Loop Cold Leg	391.1 0F
RVLIS	99.3 %
*CET	392.7 0F
S/G A Total Aux FW Flow	0 GPM
S/G B Total Aux FW Flow	86 GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps

1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 13 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps

FI-924 0 GPM
FI-925 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 10 %

Low Head S.I. Pumps

FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 93.4 %

Containment Spray Pumps

FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans

1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 72/80 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	7.95241+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	8.58023+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.01391-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.01391-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	767.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	60.0	HWRN	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	13.3	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	116.0	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	122.9	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	18.8	LWRN	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	56.2	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	768.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	202.	LALM	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.34	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.6	HWRN	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	392.7	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	392.9	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	391.2	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	391.1	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	392.0	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	392.0	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.3	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	392.7	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	86.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	ON	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	80.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	OFF	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
12:45:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	8.7	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	65.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	66.0	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	67.8	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	1.8	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	7.35678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	1.22501+02	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.02474+04	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.57835+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	2.09411-07	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.34492-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	1.27941-03	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	2.16040+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

O-J

Time: 1300
Message: 51

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

FOR CONTROLLER USE ONLY

Controller Notes:

1) Accident evaluation and response continues.

Anticipated Results:

1) Recovery/Re-entry and declassification discussions should commence per the guidance provided in EPIP 3-4, "Emergency Declassification and Recovery." Discussions should also include but not be limited to the following:

   a) Preliminary discussions between the EOF and the TSC on the following:

      - Short term Plant concerns such as:

        1. Cooldown and depressurization of the Plant.
        2. Repair and return to service of the "A" CCW Pump to ensure a redundant pump for decay heat removal.
        3. Repair and return to service of the"A" Service Water Pump.
        4. Repair and return to service of the Natural Gas line to the Screenhouse.
           Note: An evaluation of this event may lead to a discussion not to return Natural Gas to the Screenhouse.

(continued on next page)

5. Continued evaluation of the drilled hole in the "B" S/G ARV.

- Intermediate term Plant conditions such as:

1. "A" S/G Tube inspection and repair.
2. Possible "B" S/G Tube inspection.
3. "A" S/G Tube rupture evaluation for root cause.
4. Radiological release calculations and evaluation.

b) Preliminary designation of the Recovery Organization.

c) State and counties may also conduct parallel Recovery/Re-entry discussions.

2) Recovery/Re-entry interface between EOF/TSC and offsite agencies should be demonstrated as time allows.

M

1992 EVALUATED EXERCISE Time: 1300

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	84 CPS
N-32	86 CPS
N-35	1.0E-11 AMPS
N-36	1.0E-11 AMPS
Avg. Nuclear Power	0 %
RCS Pressure	646 PSIG
PRZR Level	31.5 %
A RCP	RUNNING/STOPPED
B RCP	RUNNING/STOPPED
1A S/G Level	28.7 %
1B S/G Level	55.4 %
1A S/G Pressure	615 PSIG
1B S/G Pressure	174 PSIG
Turbine/Generator	ONLINE/OFFLINE
4 KV Buses	ENERGIZED/DEENERGIZED
480V Buses	ENERGIZED/DEENERGIZED
DC Batteries	A 130 VOLTS B 130 VOLTS
Cnmt Pressure	-.36 PSIG
Cnmt Sump A Level	2.7 FEET
Cnmt Sump B Level	<8 INCHES
A Loop Hot Leg	385.9 0F
A Loop Cold Leg	381.7 0F
B Loop Hot Leg	383.7 0F
B Loop Cold Leg	381.5 0F
RVLIS	99.1 %
*CET	382.9 0F
S/G A Total Aux FW Flow	53 GPM
S/G B Total Aux FW Flow	24 GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 14 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps
FI-924 0 GPM
FI-925 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 10 %

Low Head S.I. Pumps
FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 93.4 %

Containment Spray Pumps
FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 72/80 PSIG

Component Cooling Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 57 %

Standby Aux. Feedwater Pumps
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	8.40424+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	8.60992+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.01391-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.01391-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	646.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	31.5	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	13.5	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	116.7	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	113.2	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	28.7	LWRN	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	55.4	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	615.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	174.	LALM	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.36	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.7	HWRN	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	385.9	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	383.7	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	381.7	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	381.5	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	383.8	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	382.6	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	99.1	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	382.9	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	53.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	24.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	ON	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	ON	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	80.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	OFF	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
13:01:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	8.7	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	65.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	66.0	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	67.8	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	1.8	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	7.35678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	1.20701+02	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.90174+03	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.57835+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	2.09411-07	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.34492-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	1.27941-03	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.93040+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

-O-J

Time: 1315
Message: 52

GINNA STATION

1992 EVALUATED EXERCISE

MESSAGE FORM

Message for: Simulator Control Room

Simulated Plant Conditions: See the Attached Sheets

Message: ***THIS IS AN EXERCISE***

The Exercise is Terminated.

FOR CONTROLLER USE ONLY

Controller Notes:

1) Deliver when all Exercise objectives have been demonstrated.

Anticipated Results:

1) Close out by making an announcement to all facilities (including RECS) that the Exercise is terminated.

1992 EVALUATED EXERCISE Time: 1315

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	84 CPS
N-32	80 CPS
N-35	1.0E-11 AMPS
N-36	1.0E-11 AMPS
Avg. Nuclear Power	0 %
RCS Pressure	530 PSIG
PRZR Level	32.4 %
A RCP	RUNNING/STOPPED
B RCP	RUNNING/STOPPED
1A S/G Level	30.0 %
1B S/G Level	34.4 %
1A S/G Pressure	525 PSIG
1B S/G Pressure	126 PSIG
Turbine/Generator	ONLINE/OFFLINE
4 KV Buses	ENERGIZED/DEENERGIZED
480V Buses	ENERGIZED/DEENERGIZED
DC Batteries	A 130 VOLTS B 130 VOLTS
Cnmt Pressure	-.38 PSIG
Cnmt Sump A Level	2.7 FEET
Cnmt Sump B Level	<8 INCHES
A Loop Hot Leg	360.3 OF
A Loop Cold Leg	358.2 OF
B Loop Hot Leg	359.8 OF
B Loop Cold Leg	357.9 OF
RVLIS	98.9 %
*CET	359.4 OF
S/G A Total Aux FW Flow	55 GPM
S/G B Total Aux FW Flow	23 GPM

DIESEL GENERATORS

A. RUNNING/UNLOADED/STBY/OOS
B. RUNNING/UNLOADED/STBY/OOS
TSC RUNNING/UNLOADED/STBY/OOS
Security RUNNING/UNLOADED/STBY/OOS

ENGINEERED SAFEGUARDS

Aux. Feedwater Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Turb. Driven INSERV/STBY/OOS
CST Level 13 FEET

ENGINEERED SAFEGUARDS

High Head S.I. Pumps
FI-924 0 GPM
FI-925 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
BAST Level = 10 %

Low Head S.I. Pumps
FI-626 0 GPM
1A. INSERV/STBY/OOS/RECIRC
1B. INSERV/STBY/OOS/RECIRC
RWST Level = 93.4 %

Containment Spray Pumps
FI-931A 0 GPM
FI-931B 0 GPM
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
NaOH Tank Level = 94 %

Containment Recirc Fans
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
Post Accident Dampers OPEN/CLOSED

Service Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS
A&B Header Pressure 72/80 PSIG

Component Cooling Water Pumps
1A. INSERV/STBY/OOS
1B. INSERV/STBY/OOS
Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps
1C. INSERV/STBY/OOS
1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	8.40424+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	8.03523+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.01391-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.01391-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	530.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	32.4	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	13.6	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	118.6	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	116.5	GOO*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	30.0	LWRN	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	34.4	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	525.	LWRN	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	126.	LALM	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
24	BUS12B	NOT TERMINATED ON PPCS (7/19/91)	NOT TRIP	DEL	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	ALRM	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	ALRM	
27	PCV	CONTAINMENT AVERAGE PRESSURE	-.38	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.7	HWRN	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	GOOD	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	GOOD	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	GOOD	
33	L0942C	SUMP B LEVEL 113 INCHES(TRAIN A)	LOWER	GOOD	
34	L0943C	SUMP B LEVEL 113 INCHES(TRAIN B)	LOWER	GOOD	
35	L0942B	SUMP B LEVEL 180 INCHES(TRAIN A)	LOWER	GOOD	
36	L0943B	SUMP B LEVEL 180 INCHES(TRAIN B)	LOWER	GOOD	
37	L0942A	SUMP B LEVEL 214 INCHES(TRAIN A)	LOWER	GOOD	
38	L0943A	SUMP B LEVEL 214 INCHES(TRAIN B)	LOWER	GOOD	
39	T0409A	RCLA HOT LEG TEMPERATURE	360.3	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	359.8	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	358.2	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	357.9	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	359.3	GOOD	DEGF
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	358.9	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	98.9	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	359.4	GOO*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	55.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	23.	GOOD	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	ON	GOOD	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	ON	GOOD	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	

TREND GROUP ASSIGNMENT SUMMARY

GROUP: EVENT1 PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	VALUE	QUAL	E. U.
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	72.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	80.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	OFF	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	ON	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

PROGRAM NAME :LRGTSZ.E
R.E. GINNA NUCLEAR POWER PLANT

OCT 08,92
13:14:00

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1485.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	8.7	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	65.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	66.0	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	67.8	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	1.8	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	9.02214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.40678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	1.39946+00	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	1.47701+02	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.09354-01	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.09283+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.58719+01	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.18901+02	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	7.38002+02	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	4.30543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	8.58327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.22831+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	2.78658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.57174+04	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.05861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.09440-01	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.57835+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	1.89699-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.53990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	3.57435-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	1.41261-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	4.40312-07	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	6.86543-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	3.72621-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	2.09411-07	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.34492-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	1.27941-03	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.87040+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	1.01048-02	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	95.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	106.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	106.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	106.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	106.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	117.5	GOOD	DEGF

SECTION 9.0

ONSITE RADIOLOGICAL AND CHEMISTRY DATA

SECTION 9.1

RADIOLOGICAL SUMMARY

9.1 Radiological Summary

A. Source Term

The radiological source term assumed for this scenario was selected to include appropriate quantities of noble gas and radioiodine resulting from the postulated accident scenario.

Protective action recommendations i.e., sheltering or evacuation for certain Emergency Response Planning Areas (ERPAs) will not be required based upon the anticipated declaration of a Site Area Emergency and plant conditions. As a result of accident release rates, the projected whole body and thyroid doses will not exceed EPA Protective Action Guides beyond the Site Boundary.

The assumed noble gas and radioiodine release quantities are shown in Figure 9.1 as a function of time. The scenario involves two release points which is from the Air Ejector and the "A" Atmospheric Relief Valve (ARV). This occurs as follows:

Pre-Steam Generator Tube Rupture

Time	Release Point	Release Rate (Ci/sec)
0700-0915	Air Ejector	1.77 E-3 (Noble Gas)* 2.24 E-8 (Radioiodine)

* The noble gas-to-radioiodine ratio assumed in this scenario is 7.89E4:1 during the period of release.

Time	Release Point	Release Rate (Ci/sec)
0755-0810	ARV	8.32 E-3 (Noble Gas)* 1.05 E-7 (Radioiodine)

* The noble gas-to-radioiodine ratio assumed in this scenario is 7.89 E4:1 during the period of release.

Steam Generator Tube Rupture

Time	Release Point	Release Rate (Ci/sec)
0915-0935	Air Ejector	5.24 E-1 (Noble Gas)* 2.62 E-4 (Radioiodine)

* The noble gas-to-radioiodine ratio assumed in this scenario is 2000:1 during the period of release. Isotopic breakdowns of assumed noble gas, radioiodine and particulate release quantities are provided in Table 9.1.

Time	Release Point	Release Rate (Ci/sec)
0935- 0955	Air Ejector	6.23 E-2 (Noble Gas)* 3.12 E-5 (Radioiodine)

* The noble gas-to-radioiodine ratio assumed in this scenario is 2000:1 during the period of release. Isotopic breakdowns of assumed noble gas, radioiodine and particulate release quantities are provided in Table 9.1.

B. Integrated Offsite Doses Due to Plume Exposure

The downwind integrated doses from the scenario release are as follows:

Time	Release Point	Integrated Dose (Rem)
0700- 0915	Air Ejector	1.25 E-4 (Whole Body) 8.75 E-7 (Child Thyroid)
0755- 0810	ARV	6.52 E-5 (Whole Body) 4.56 E-7 (Child Thyroid)
0915- 0935	Air Ejector	5.34 E-3 (Whole Body) 1.48 E-3 (Child Thyroid)
0936- 0955	Air Ejector	6.51 E-4 (Whole Body) 1.81 E-4 (Child Thyroid)

Total Whole Body Dose (at Site Boundary) = 6.18 E-3 Rem

Total Child Thyroid Dose (at Site Boundary) = 1.66 E-3 Rem

C. Principal Plant Radiological Indications

Figures 9.1 through 9.3 provide trend plots for key plant radiological indications, including plant vent concentration, letdown monitor level, containment radiation level and reactor coolant concentration.

TABLE 9.1

The assumed release quantities for the Ginna Exercise Scenario are summarized as follows:

Time : 0915-0935 hr

Nuclide	Curie/Sec	Total Curies Released
Kr-85	4.0 E-04	4.8 E-01
Kr-85m	1.3 E-02	1.7 E+01
Kr-87	1.8 E-02	2.3 E+01
Kr-88	2.1 E-02	2.5 E+01
Xe-131m	4.9 E-03	5.9 E+00
Xe-133	3.3 E-01	4.0 E+02
Xe-133m	4.9 E-02	5.9 E+01
Xe-135	4.9 E-02	5.9 E+01
Xe-135m	1.6 E-02	1.9 E+01
Xe-138	6.3 E-02	7.6 E+01
Total Noble Gas	**5.2 E-01**	**6.3 E+02**
I-131	7.8 E-05	9.3 E-02
I-132	1.3 E-05	1.5 E-02
I-133	5.4 E-05	6.3 E-02
I-134	8.6 E-05	1.0 E-01
I-135	3.1 E-05	3.7 E-02
Total Radioiodine	**2.6 E-04**	**3.1 E-01**
Long-Lived Particulate	**1.2 E-09**	**1.5 E-06**

TABLE 9.1 (continued)

The assumed release quantities for the Ginna Exercise Scenario are summarized as follows:

Time : 0936-0955 hr

Nuclide	Curie/Sec	Total Curies Released
Kr-85	4.8 E-05	5.8 E-02
Kr-85m	1.5 E-03	1.8 E+00
Kr-87	2.1 E-03	2.5 E+00
Kr-88	2.5 E-03	3.0 E+00
Xe-131m	5.8 E-04	7.0 E-01
Xe-133	3.9 E-02	4.7 E+01
Xe-133m	5.8 E-03	7.0 E+00
Xe-135	5.8 E-03	7.0 E+00
Xe-135m	1.9 E-03	2.3 E+00
Xe-138	7.5 E-03	9.0 E+00
Total Noble Gas	**6.2 E-02**	**7.5 E+01**
I-131	6.3 E-06	1.1 E-02
I-132	1.5 E-06	1.8 E-03
I-133	6.5 E-06	7.8 E-03
I-134	1.0 E-05	1.2 E-02
I-135	3.7 E-06	4.4 E-03
Total Radioiodine	**3.1 E-05**	**3.7 E-02**
Long-Lived Particulate	**1.4 E-10**	**1.7 E-07**

FIGURE 9.1
ASSUMED SOURCE TERMS

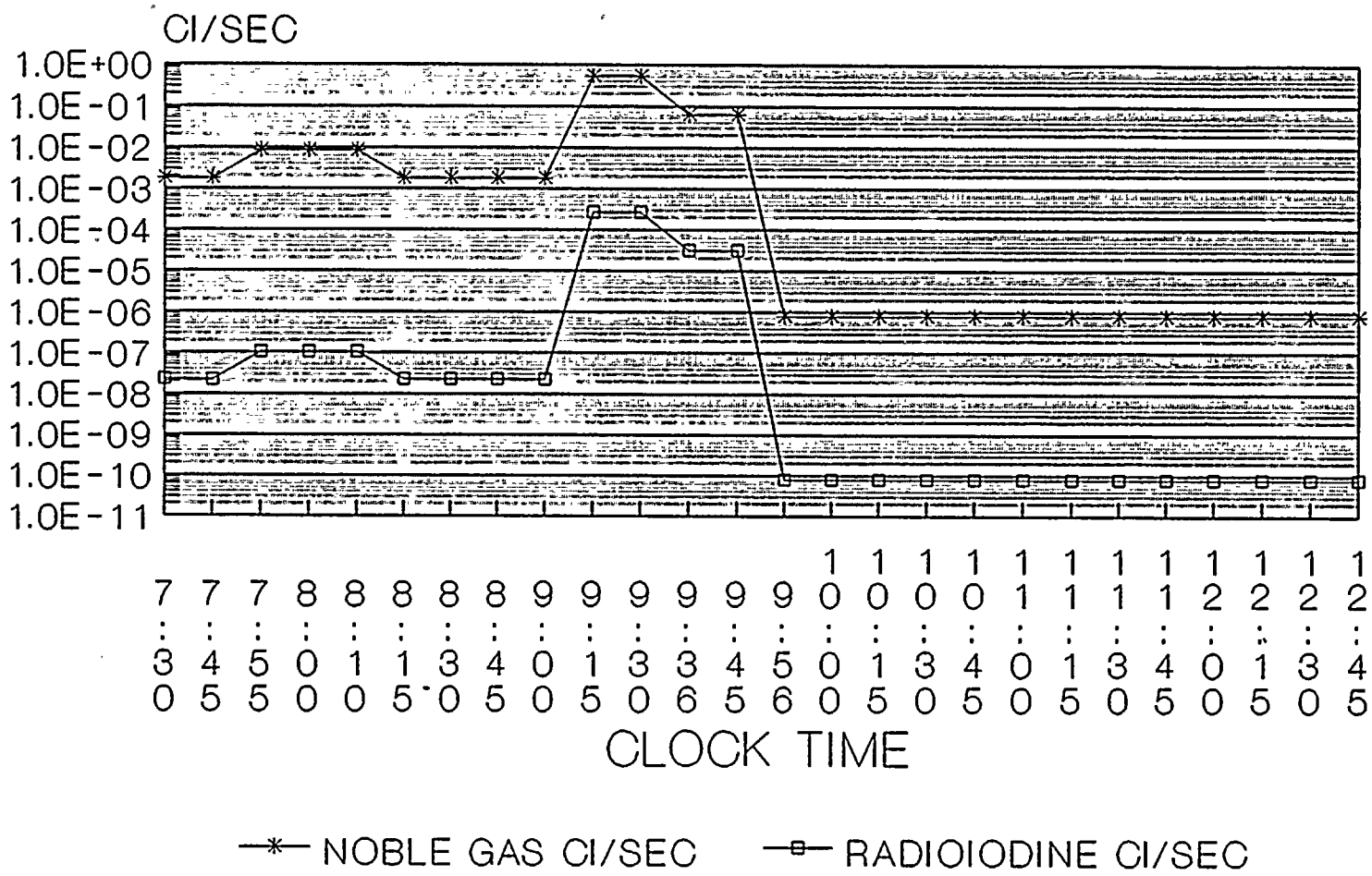


FIGURE 9.2
AIR EJECTOR VENT CONCENTRATIONS

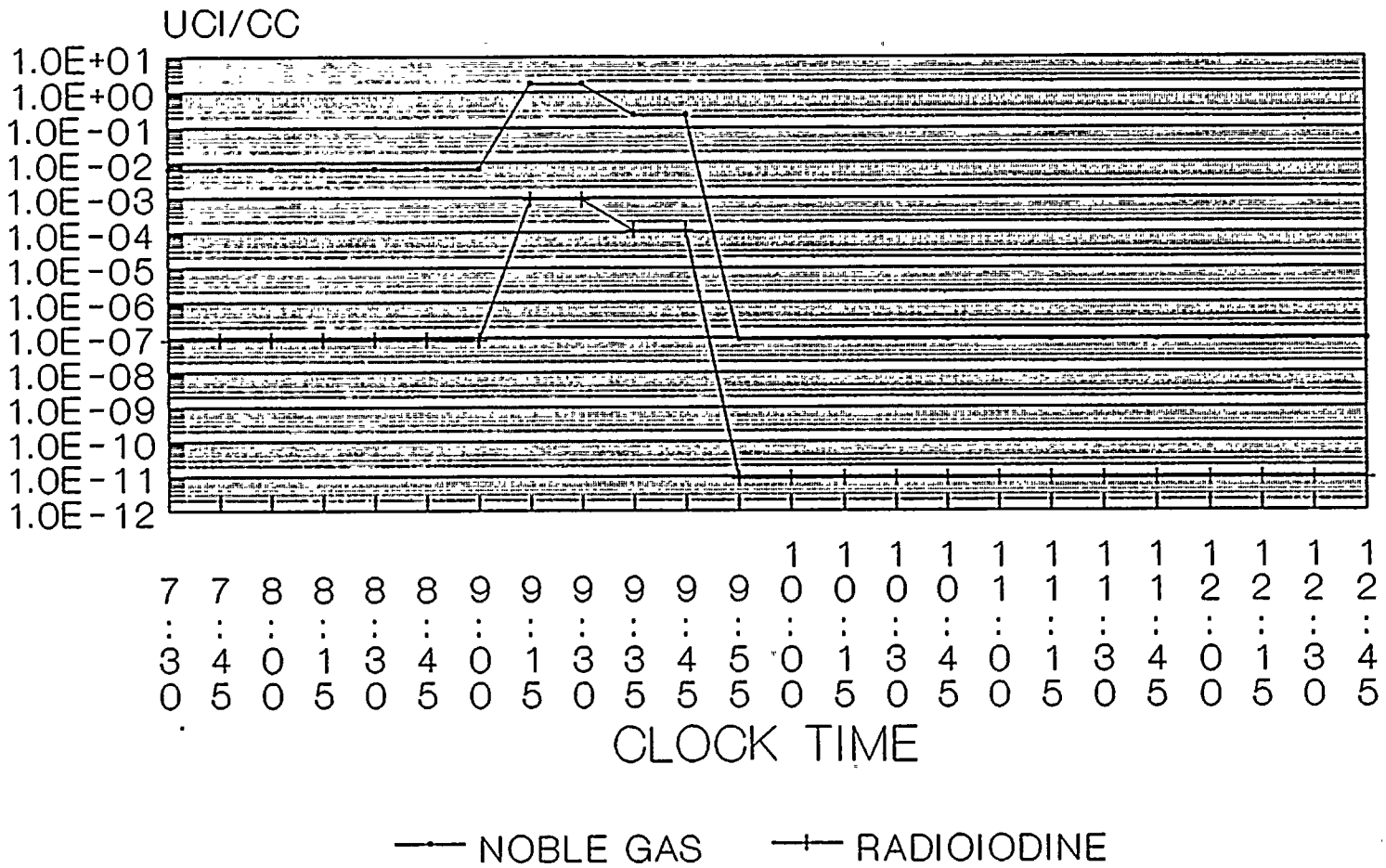
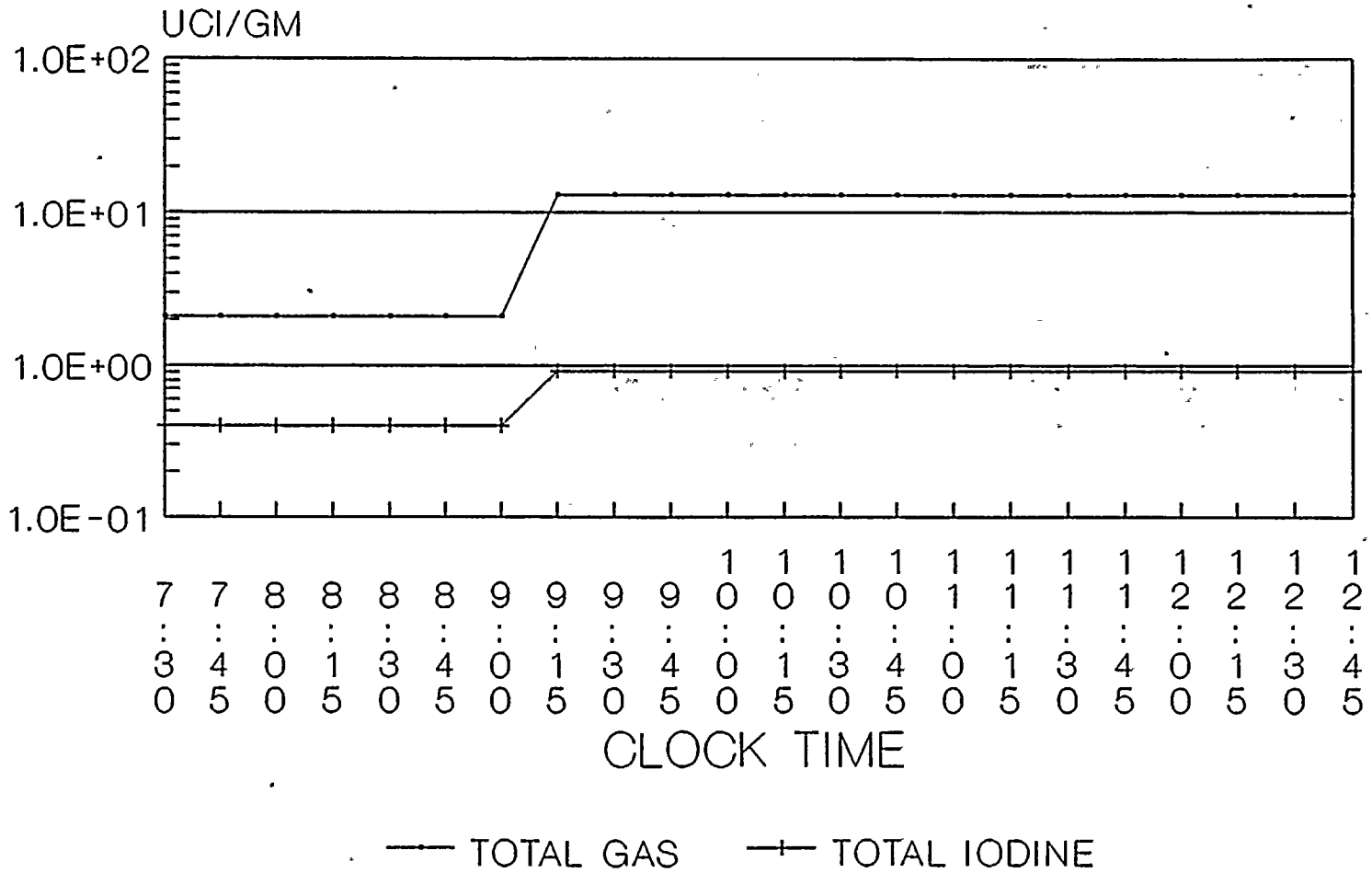


FIGURE 9.3
RCS CONCENTRATIONS VS TIME



SECTION 9.2

IN-PLANT RADIOLOGICAL DATA MAPS

ROCHESTER GAS AND ELECTRIC
GINNA STATION

Service Building South

DATE: 10/8/92 TIME: 0700 1400

SURVEYED BY:

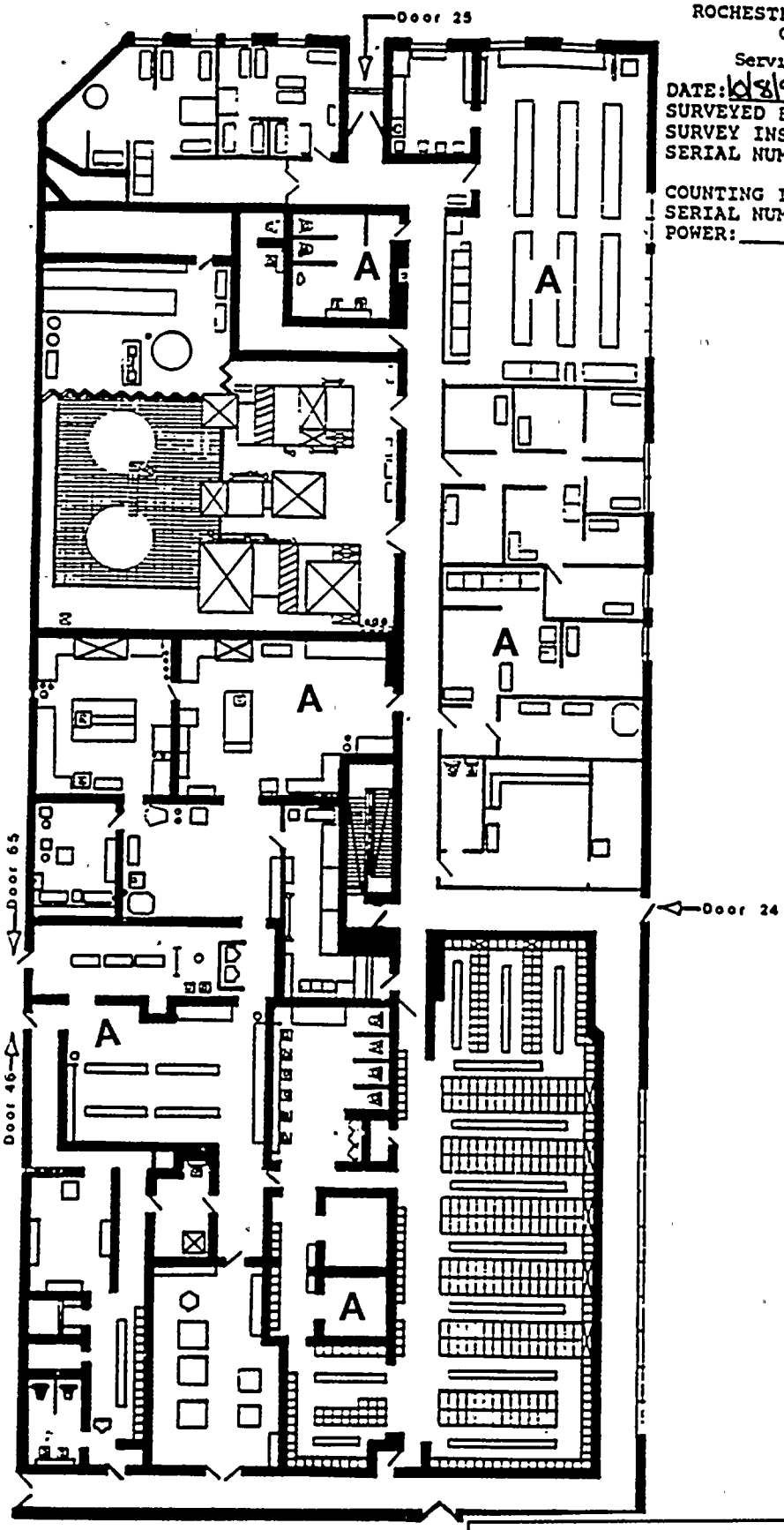
SURVEY INST:

SERIAL NUMBER:

COUNTING INST:

SERIAL NUMBER:

POWER: % LLD:



SMEARS	
#	DPM/100 cm²
Airborne Activity (uCi/cc)	
Iodine	
	<1E-11
Particulate	
	<1E-10

REMARKS:

A= 0.01 mR/hr
<500 dpm/100cm²

ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED

ROCHESTER GAS AND ELECTRIC
GINNA STATION

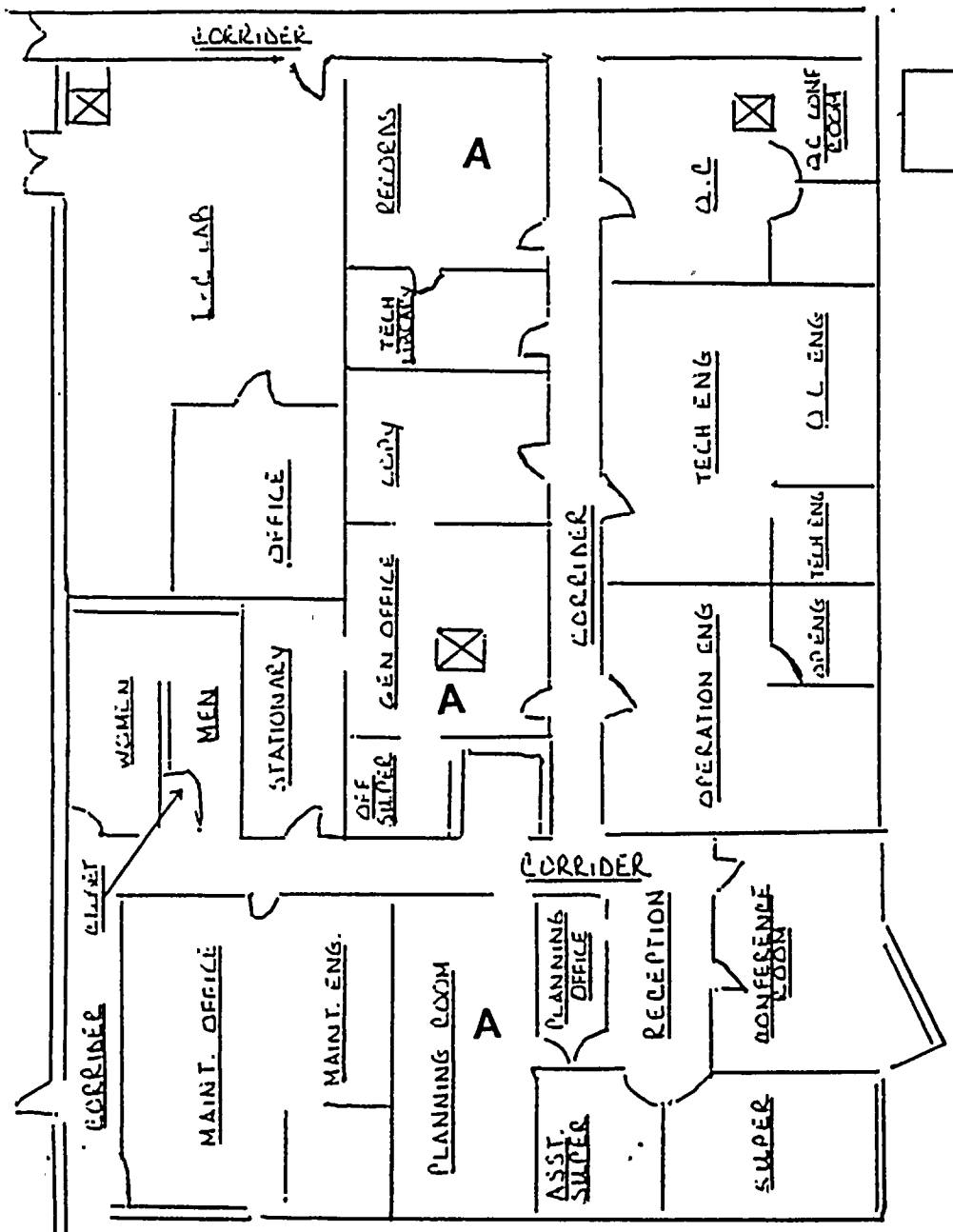
SERVICE BUILDING NORTH

DATE: 10/8/92 TIME: 0700-1400
SURVEY INSTRUMENT:
SERIAL NUMBER:
REMARKS:

SURVEYED BY:
COUNTING INSTRUMENT:
SERIAL NUMBER:
% POWER:
LLD:

AREA SURVEYED: RWP/SWP NUMBER:

#	DPM/100 CM²	LOCATION	#	DPM/100 CM²	LOCATION	#	DPM/100 CM²	LOCATION
	Airborne Activity (uCi/cc)							
	Particulate:	<1E-10						
	Iodine:	<1E-11						

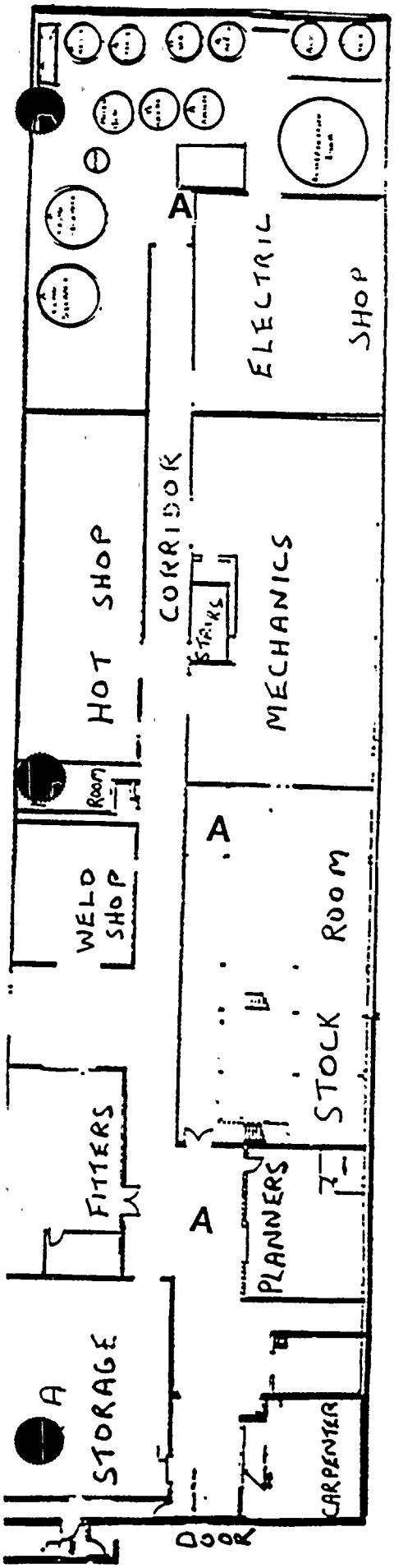


A= 0.01 mR/hr
<500 dpm/100cm²

ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED

ROCHESTER GAS & ELECTRIC CORP.
GINNA STATION

SERVICE BUILDING BASEMENT



Surveyed By: _____

Survey Meter: _____

Serial Number: _____

Date: 10 / 8 / 92

Time: 0700-1400

% Power: _____

A= 0.01 mR/hr
<500 dpm/100cm2

SMEAR INFORMATION

Instrument: _____

Serial Number: _____

LLD: _____

Smear #	dpm/100cm2

Remarks:

Airborne Activity (uCi/cc)
Iodine: <1E-11
Particulate: <1E-10

9-11

All readings are in mr/hr unless otherwise noted

RG&E

GINNA STATION

TURBINE BUILDING OPERATING FLOOR

SURVEY MAP

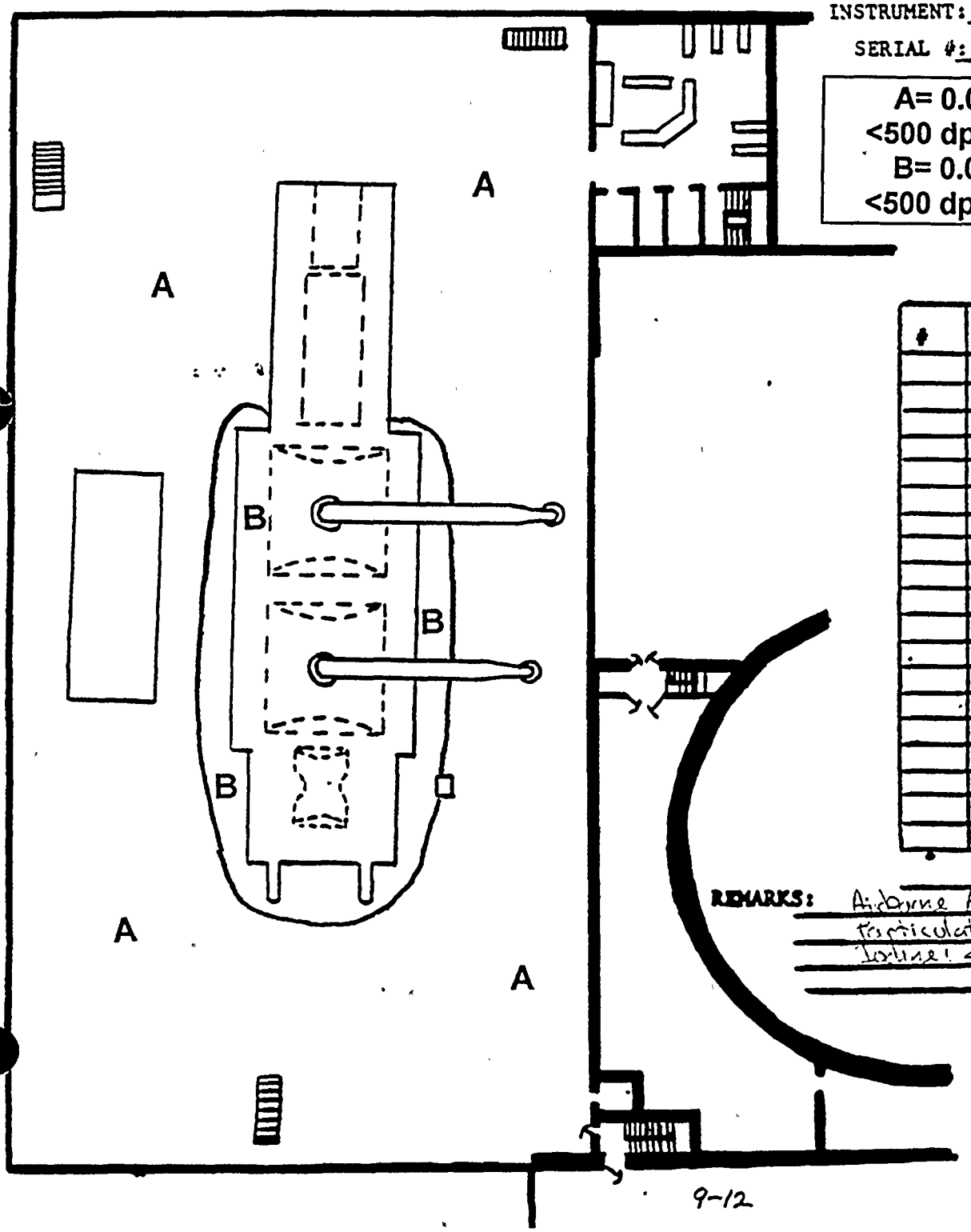
DATE: 10/8/92 TIME: 0700 0915

POWER: _____ BY: _____

INSTRUMENT: _____

SERIAL #: _____

NORTH



A= 0.01 mR/hr
<500 dpm/100cm^2
B= 0.02 mR/hr
<500 dpm/100cm^2

SMEARS

#	DPM/100 Cm^2

REMARKS: Airborne Activity (uCi/cc)
Particulate: <1E-10
Iodine: <1E-11

9-12

RG&E

GINNA STATION

TURBINE BUILDING OPERATING FLOOR

SURVEY MAP

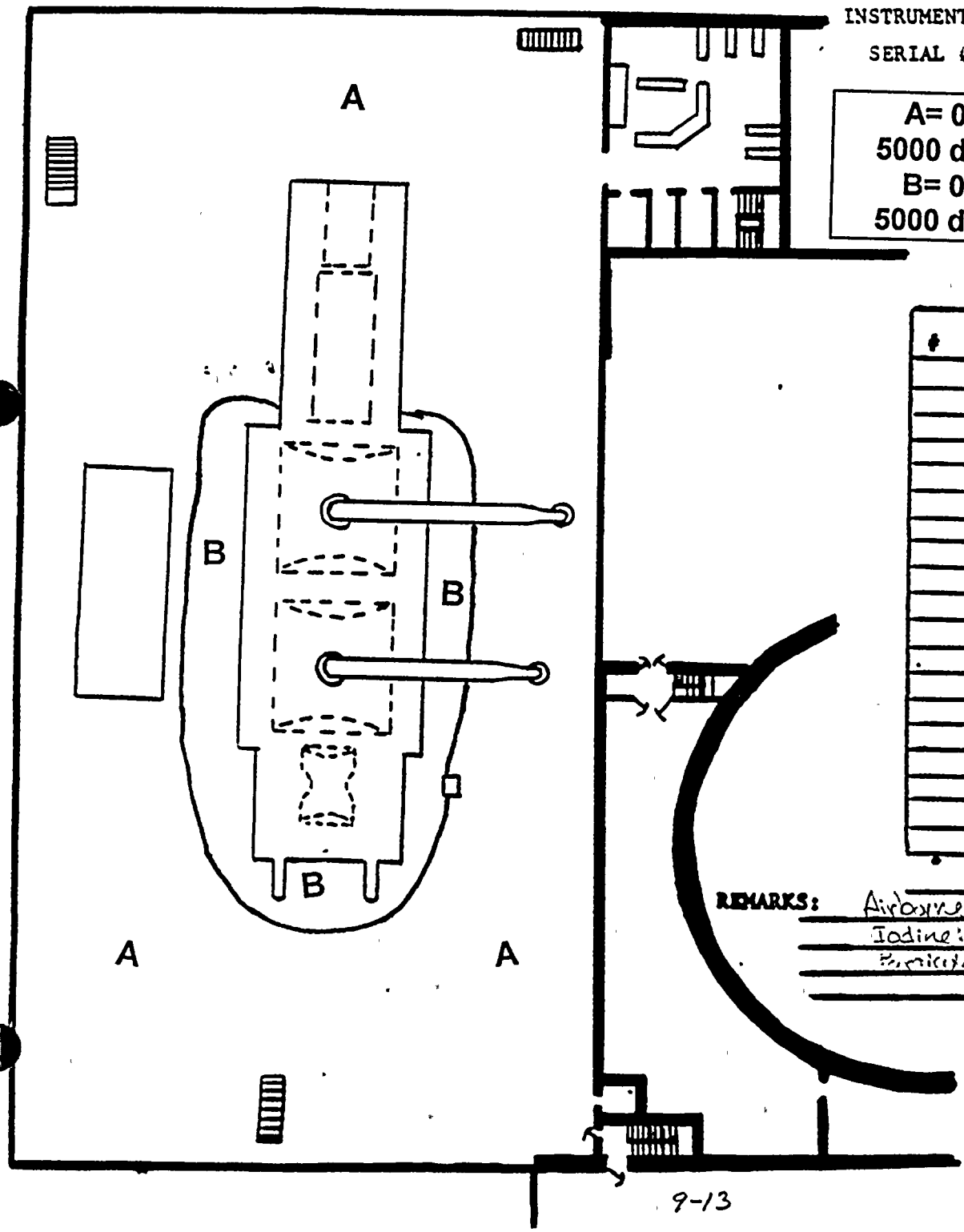
DATE: 10/8/92 TIME: 0940 0916

POWER: _____ BY: _____

INSTRUMENT: _____

SERIAL #: _____

NORTH



A= 0.01 mR/hr
5000 dpm/100cm^2
B= 0.80 mR/hr
5000 dpm/100cm^2

SMEARS

#	DPM/100 Cm^2

REMARKS: Airborne Activity (uCi/cc)
Iodine: <1E-11
Particulate: <1E-10

RG&E

GINNA STATION

TURBINE BUILDING OPERATING FLOOR

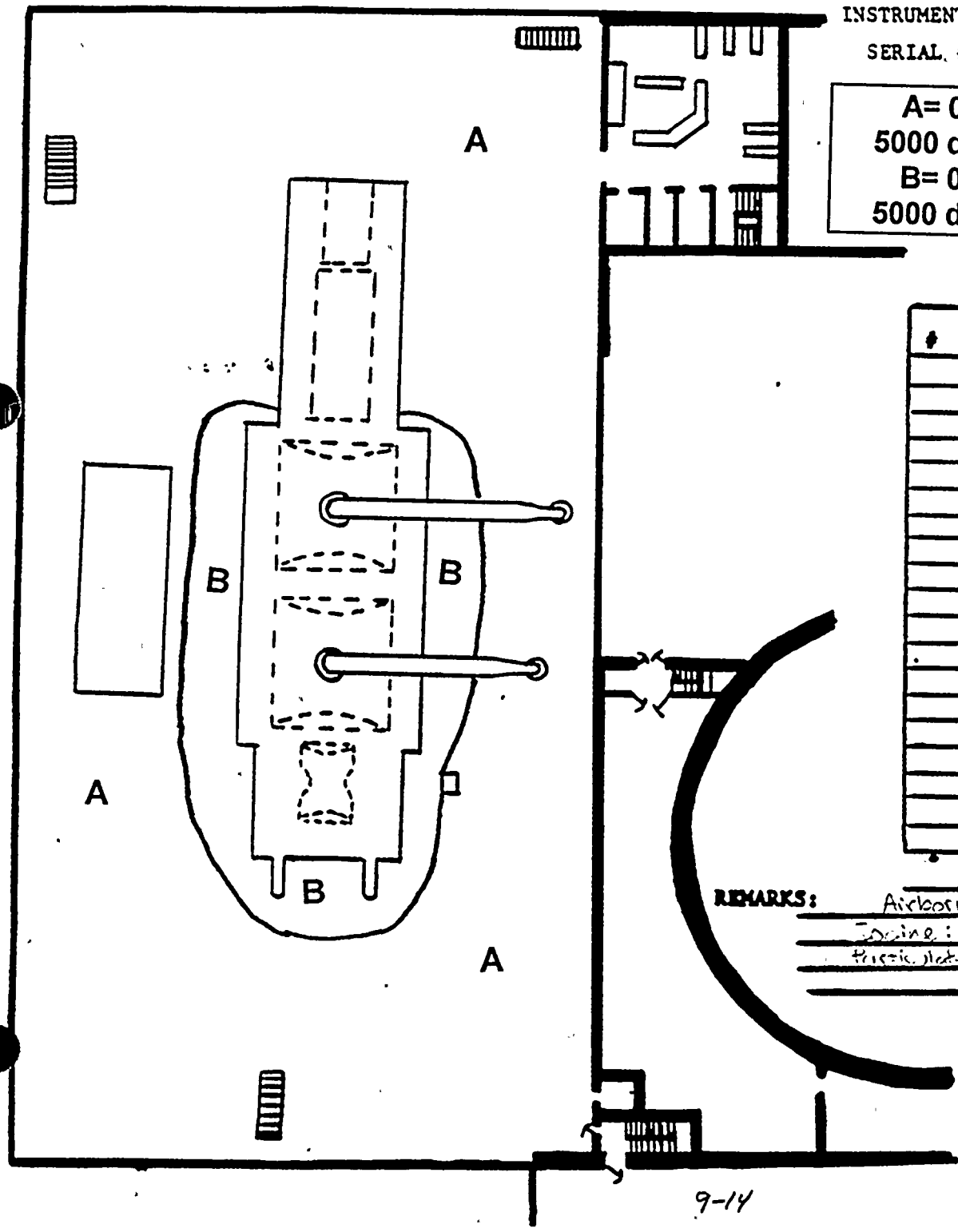
SURVEY MAP

DATE: 10/8/92 TIME: 0941 1400

POWER: _____ BY: _____

INSTRUMENT: _____

SERIAL #: _____



A= 0.01 mR/hr
5000 dpm/100cm^2
B= 0.02 mR/hr
5000 dpm/100cm^2

SMEARS

#	DPM/100 Cm^2

REMARKS: Airborne tritium (uCi/cc)
Iodine: <1E-11
Particulate: <1E-10

RG&E

GINNA STATION

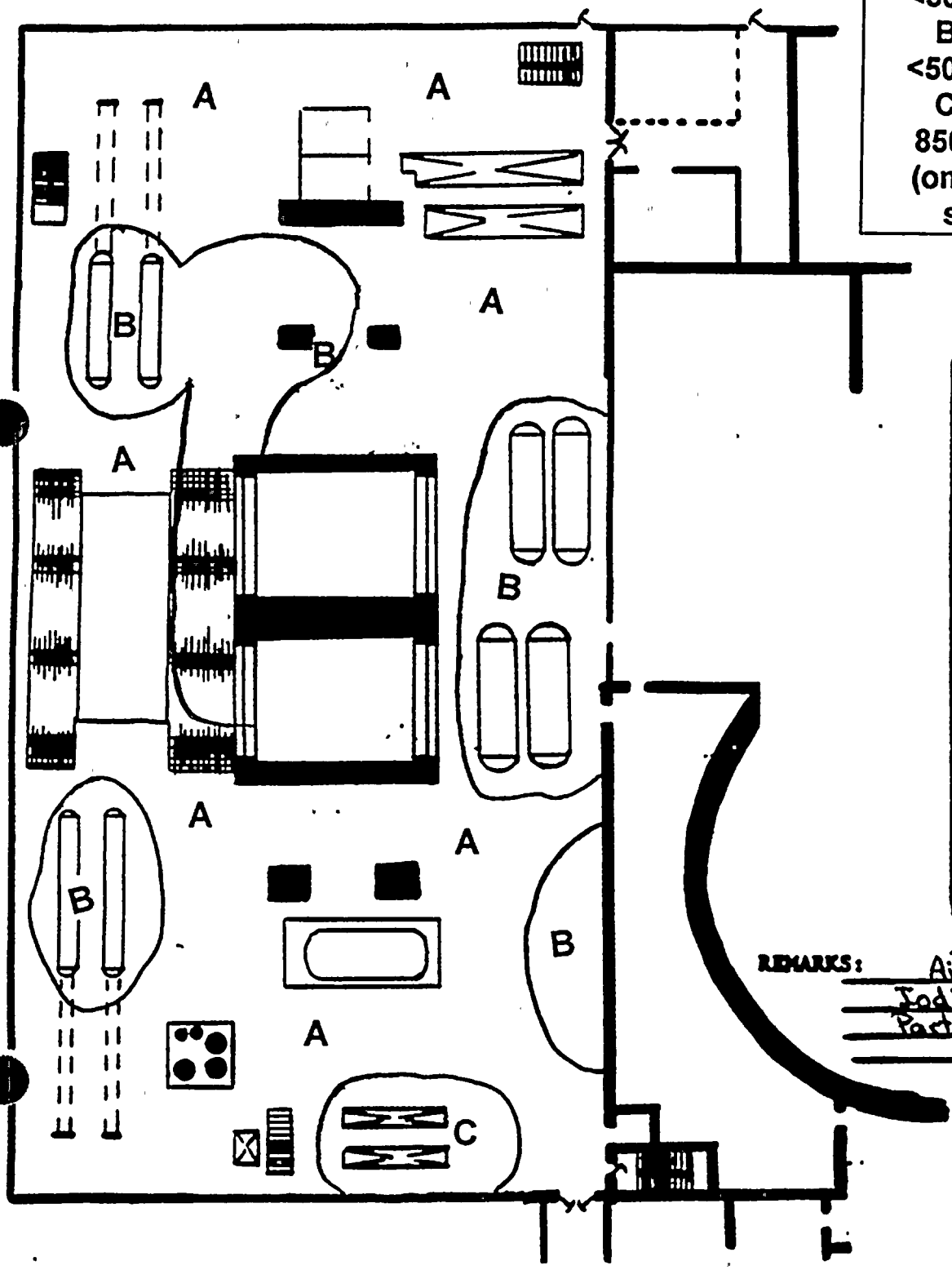
TURBINE BUILDING MEZZANINE FLOOR

SURVEY MAP

DATE: 10/8/92 TIME: 0700 - 0915

NORTH

A= 0.01 mR/hr
<500 dpm/100cm^2
B= 0.02 mR/hr
<500 dpm/100cm^2
C= 0.02 mR/hr
850 dpm/100cm^2
(on countertop of sample sink)



SMEARS

#	DPM/100 Cm^2

REMARKS: Airborne Activity (uCi/cc)
Iodine: <1E-11
Particulate: <1E-10

9-15

RG&E

GINNA STATION

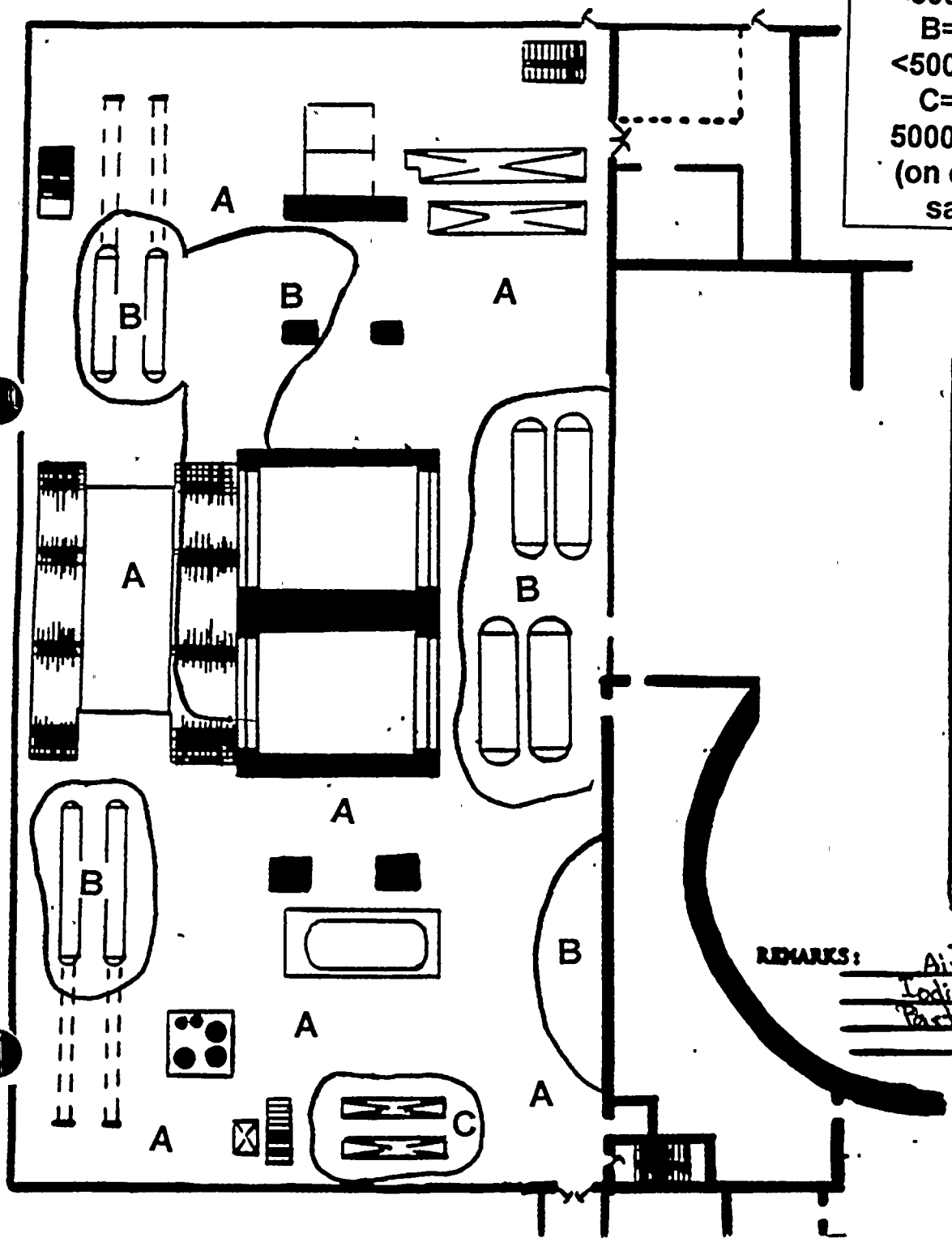
TURBINE BUILDING MEZZANINE FLOOR

SURVEY MAP

DATE: 10/8/92 TIME: 0915 0940

NORTH

A= 0.01 mR/hr
<500 dpm/100cm^2
B= 0.80 mR/hr
<500 dpm/100cm^2
C= 0.80 mR/hr
5000 dpm/100cm^2
(on countertop of sample sink)



SMEARS

#	DPM/100 Cm^2

REMARKS: Airborne Activity (µCi/cc)
Iodine: <1E-11
Particulate: <1E-10

9-16

RG&E

GINNA STATION

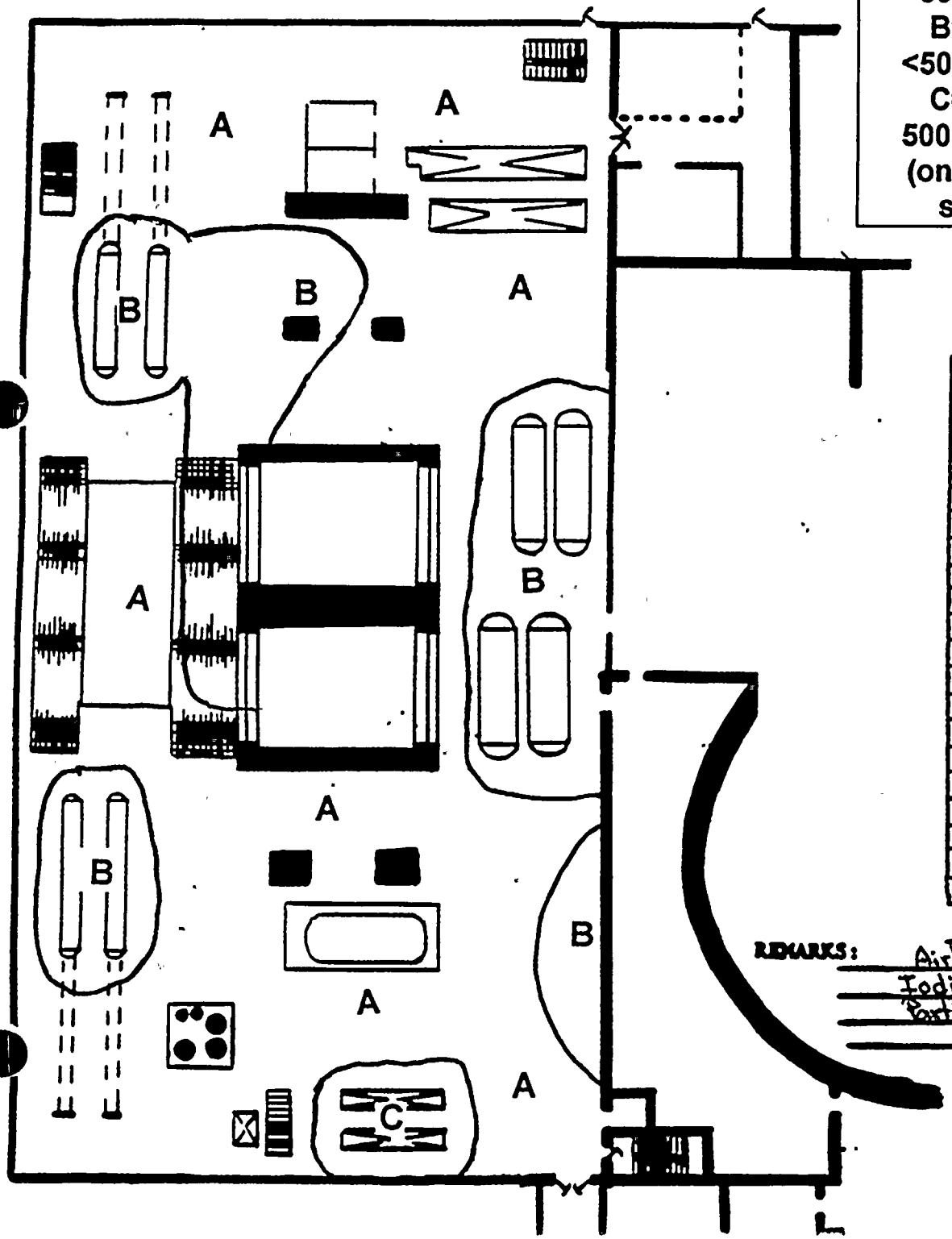
TURBINE BUILDING MEZZANINE FLOOR

SURVEY MAP

DATE: 10/8/92 TIME: 0941 1400

NORTH

A= 0.01 mR/hr
<500 dpm/100cm^2
B= 0.02 mR/hr
<500 dpm/100cm^2
C= 0.02 mR/hr
5000 dpm/100cm^2
(on countertop of sample sink)



SMEARS

#	DPM/100 Cm^2

REMARKS: Airborne Activity (µCi/cc)
Iodine: <1E-11
Particulate: <1E-10

9-17

RG&E

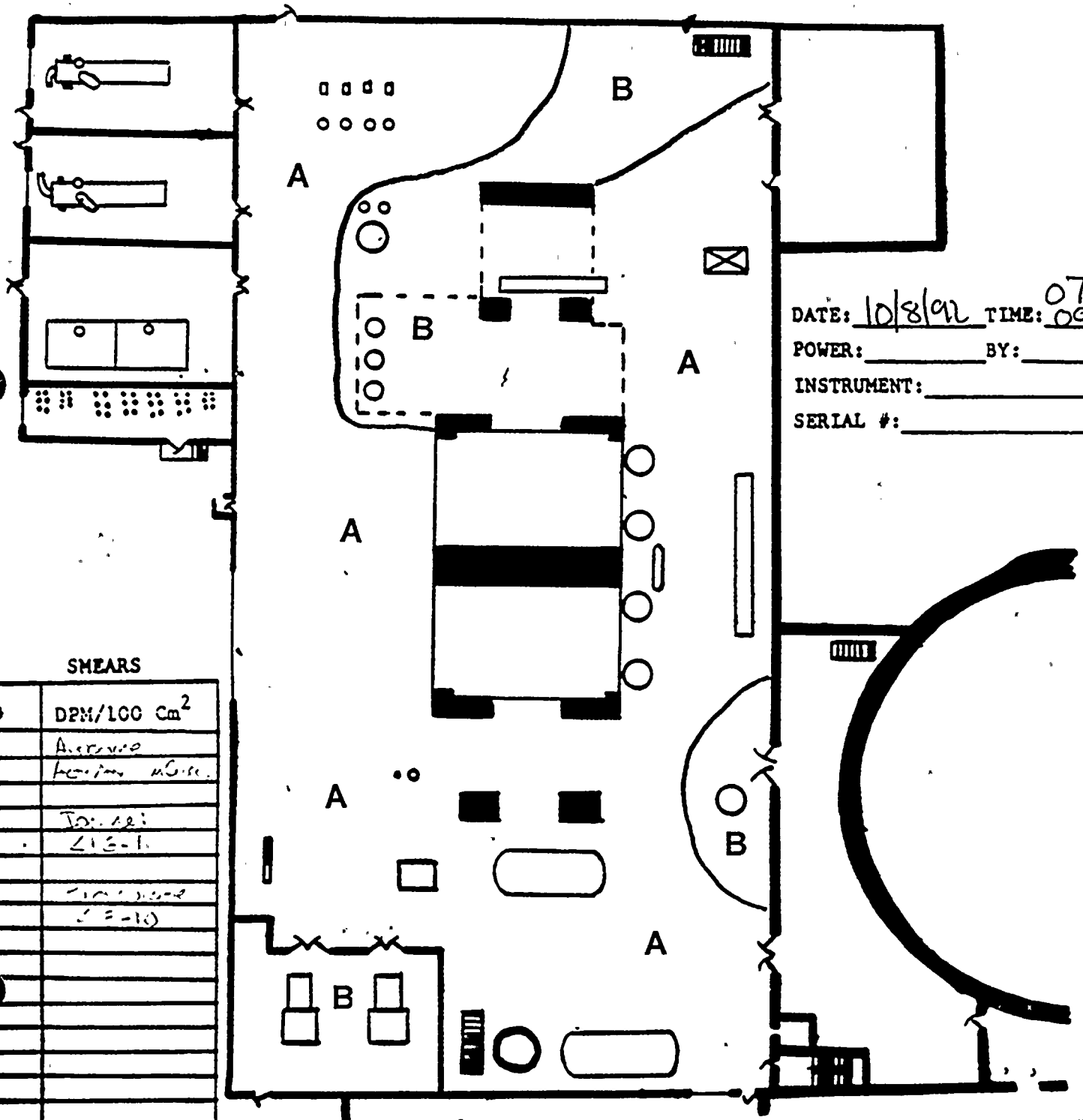
GINNA STATION

TURBINE BUILDING BASEMENT FLOOR

SURVEY MAP

A= 0.01 mR/hr
<500 dpm/100cm^2
B= 0.02 mR/hr
<500 dpm/100cm^2

NORTH



DATE: 10/8/92 TIME: 0700 0915

POWER: _____ BY: _____

INSTRUMENT: _____

SERIAL #: _____

SMEARS

#	DPM/100 Cm^2
	Average
	[illegible]
	Total:
	[illegible]
	[illegible]
	[illegible]

9-18

REMARKS: _____

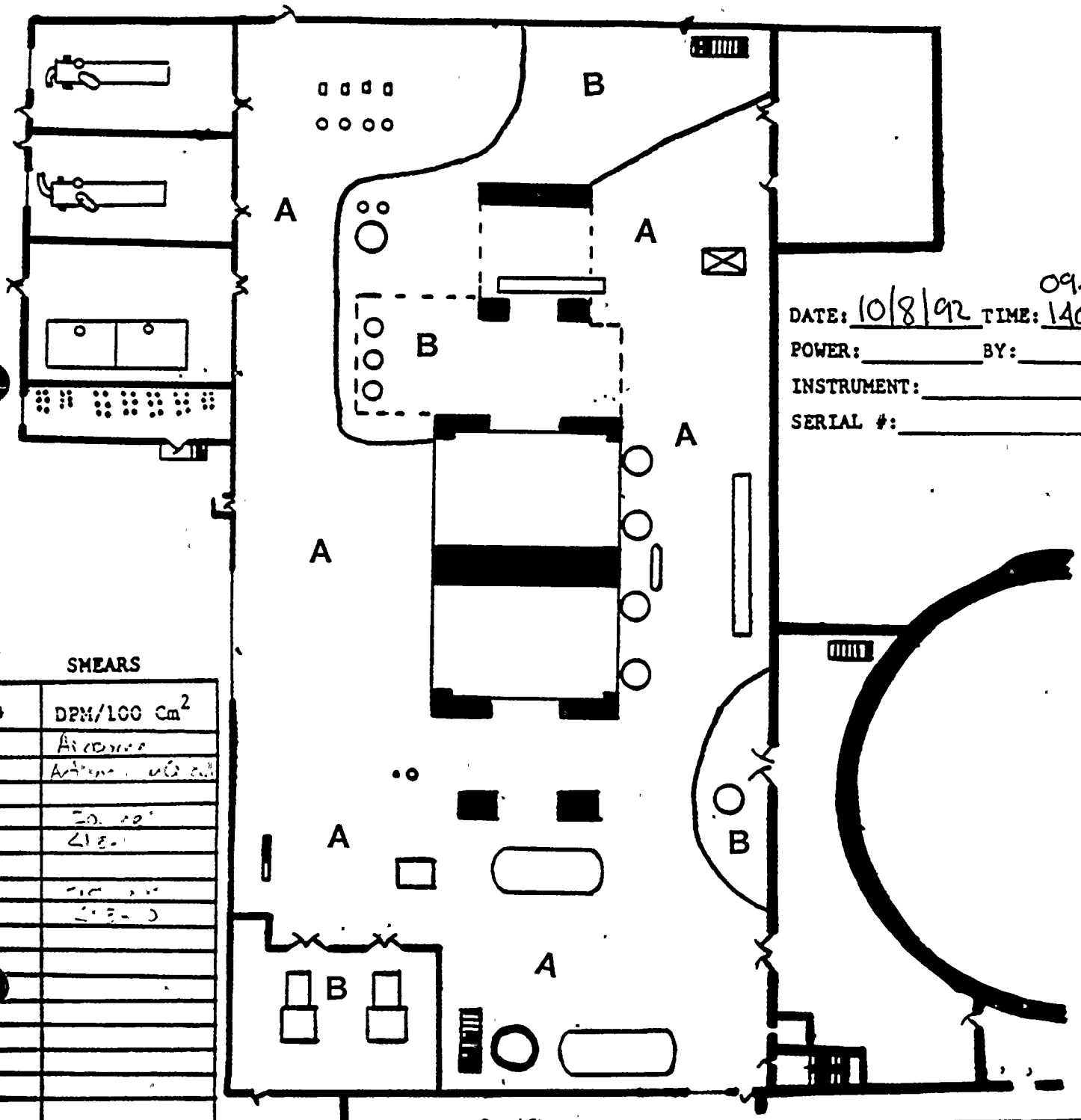
RG&E

GINNA STATION

TURBINE BUILDING BASEMENT FLOOR

SURVEY MAP

A= 0.01 mR/hr
<500 dpm/100cm2
B= 0.02 mR/hr
<500 dpm/100cm2



DATE: 10/8/92 TIME: 0941-1400

POWER: _____ BY: _____

INSTRUMENT: _____

SERIAL #: _____

SMEARS

#	DPM/100 Cm^2
	[illegible]
	[illegible]
	[illegible]
	[illegible]
	[illegible]
	[illegible]

9-19

REMARKS: _____

RG&E

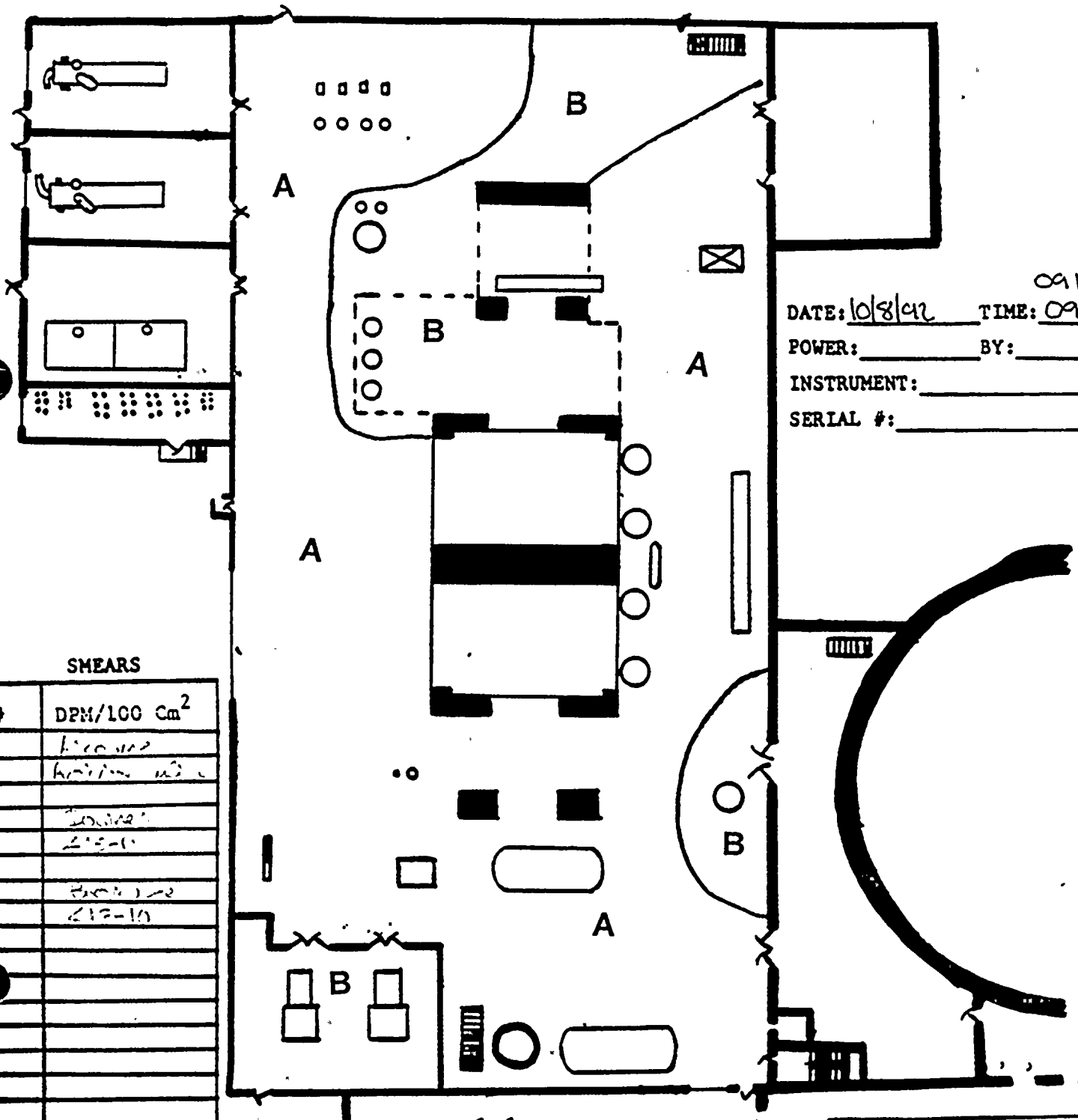
GINNA STATION

TURBINE BUILDING BASEMENT FLOOR

SURVEY MAP

A= 0.01 mR/hr
<500 dpm/100cm^2
B= 0.80 mR/hr
<500 dpm/100cm^2

NORTH



DATE: 10/8/92 TIME: 0940 0916-

POWER: _____ BY: _____

INSTRUMENT: _____

SERIAL #: _____

SMEARS

#	DPM/100 Cm^2
	[illegible]
	[illegible]
	[illegible]
	[illegible]
	[illegible]
	[illegible]

9-20

REMARKS: _____

R. E. GINNA STATION
TECHNICAL SUPPORT CENTER

SMEARS

#	DPM/100 cm^2
	Airborne Activity (uCi/cc)
	Iodine: <1E-11
	Particulate: <1E-10

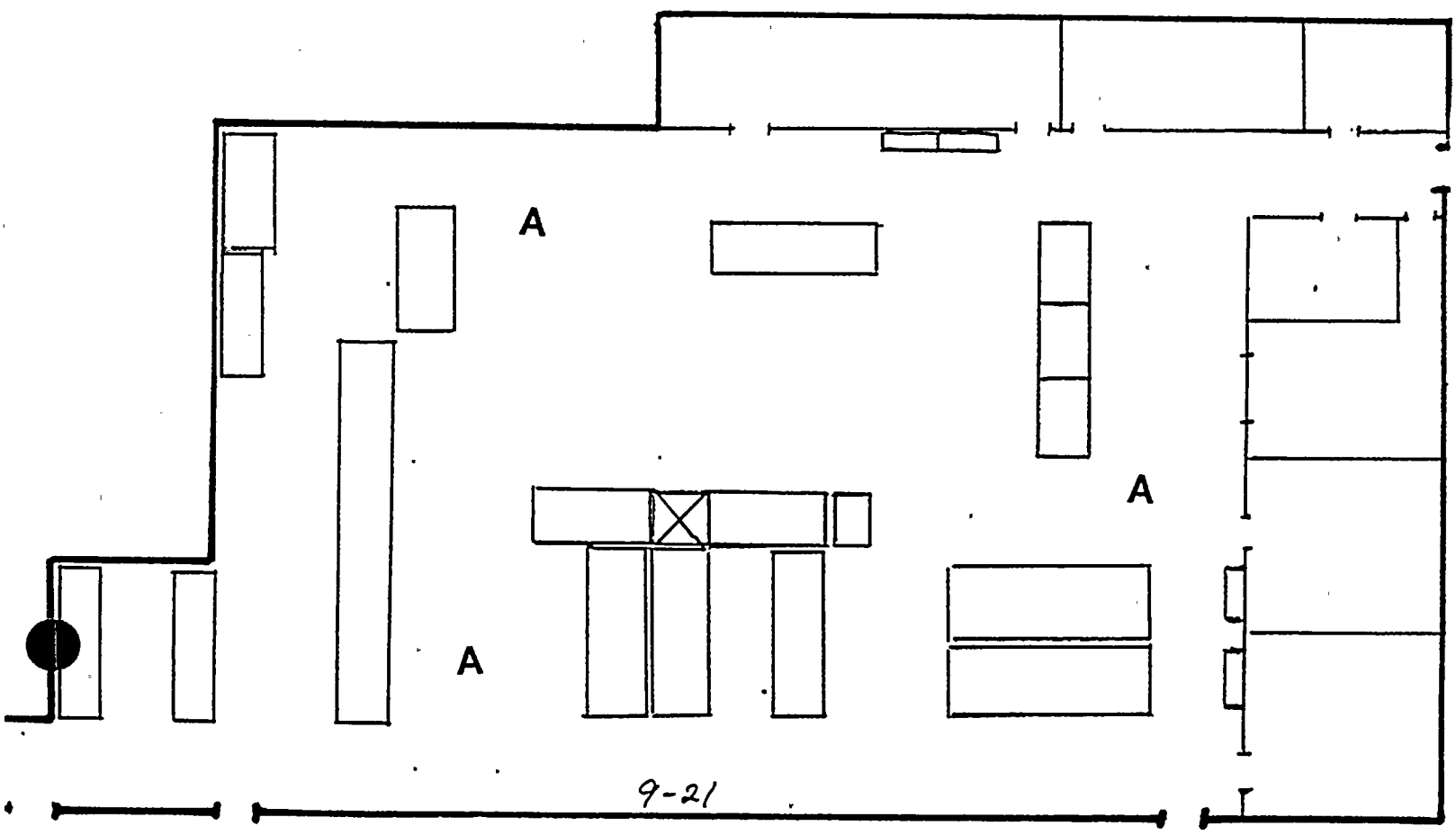
DATE: 10/8/92 TIME: 0700-0915

POWER: _____ BY: _____

INSTRUMENT: _____ SERIAL # _____

ALL READINGS IN MR/HR. UNLESS OTHERWISE NOTED

A= 0.01 mR/hr
<500 dpm/100cm^2



R.E.GINNA STATION

Condensate Polishing Building - Control Panel Area

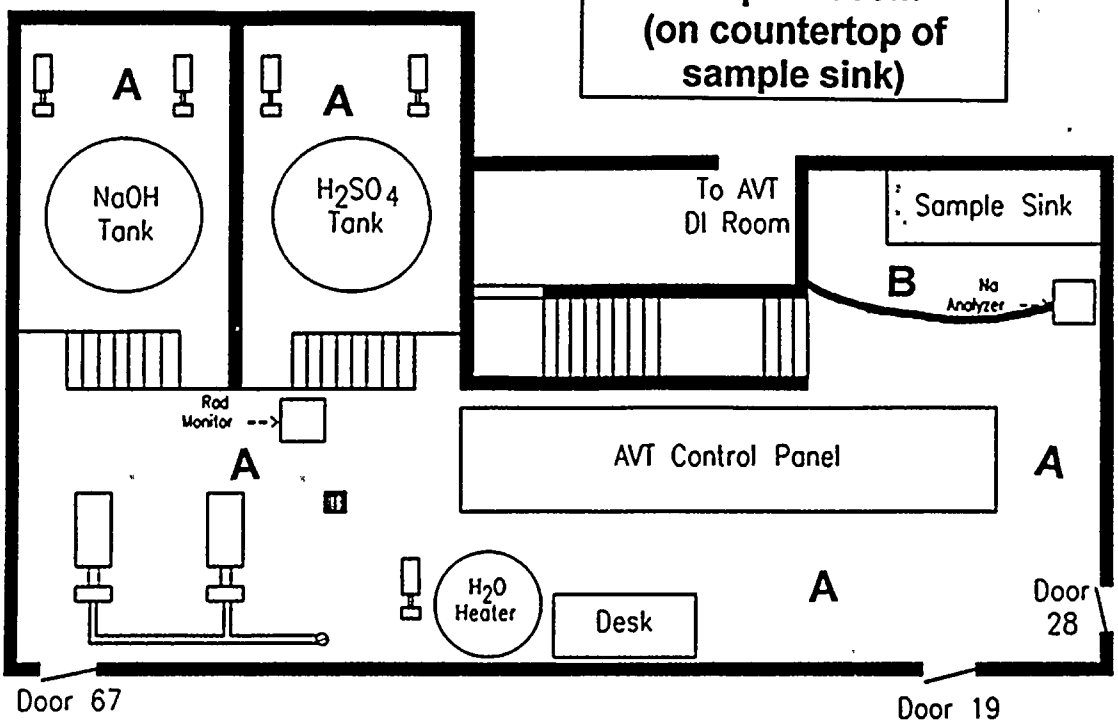
Technician:_____ Date: 10/8/92 Time: 0700-0916

Inst.Type:_____/_____ Serial #'s:_____/_____ Power:_____ LLD:_____

Note: All readings are in mr/hr unless otherwise noted.

No.	dpm/100cm2

A= 0.01 mR/hr
<500 dpm/100cm^2
B= 0.02 mR/hr
<500 dpm/100cm^2
C= 0.02 mR/hr
850 dpm/100cm^2
(on countertop of sample sink)



(#) = Smear Location -x--x- = Rad/Cont. Barrier

= Radiation Level (#) = Neutron Radiation Level

#c = Contact Reading

Technician Remarks: Figure Editing (Iodine)

Iodine: <1E-11, Particulate: <1E-10

* = Cont. Area

(*) = High Cont. Area

\+ = Radiation Area

(+) = High Rad. Area

[+] = Locked High Rad. Area

R.E.GINNA STATION

Condensate Polishing Building - Control Panel Area

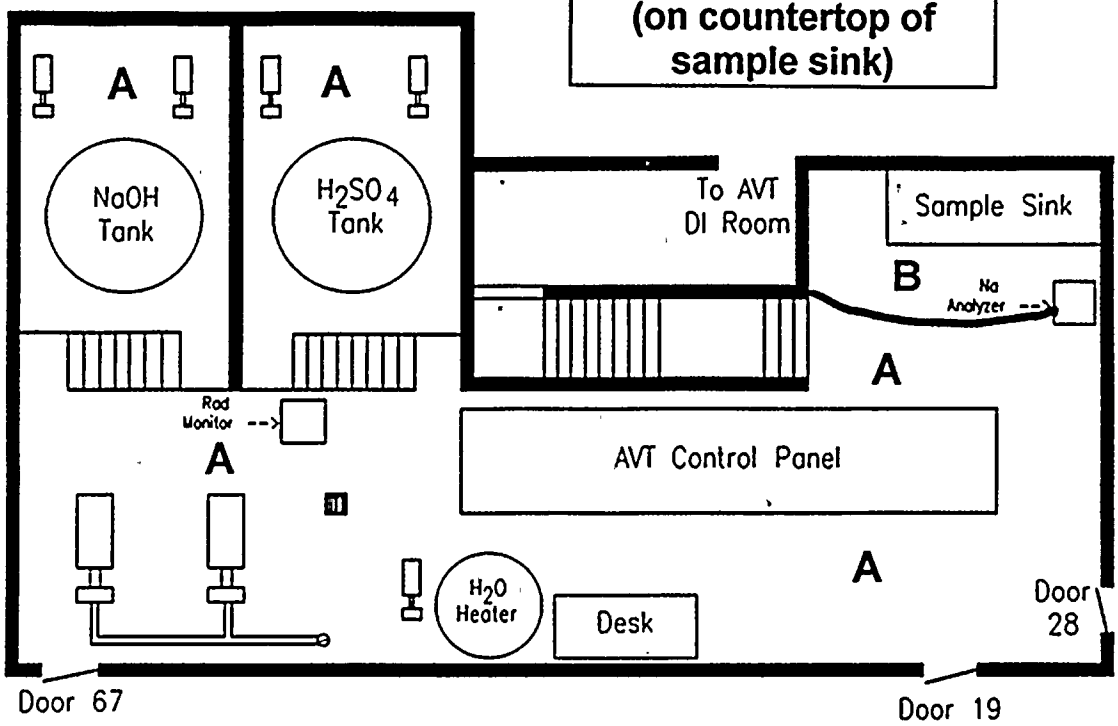
Technician:_____ Date: 10/8/92 Time: 0916-1400

Inst.Type:_____/_____ Serial #'s:_____/_____ Power:_____ LLD:_____

Note: All readings are in mr/hr unless otherwise noted.

A= 0.01 mR/hr
<500 dpm/100cm2
B= 0.30 mR/hr

5000 dpm/100cm2
(on countertop of sample sink)



No.	dpm/100cm2

(#) = Smear Location -x--x- = Rad/Cont. Barrier
= Radiation Level (#) = Neutron Radiation Level
#c = Contact Reading

Technician Remarks: [illegible]
[illegible] = <1=-1 [illegible] = <1=-10.

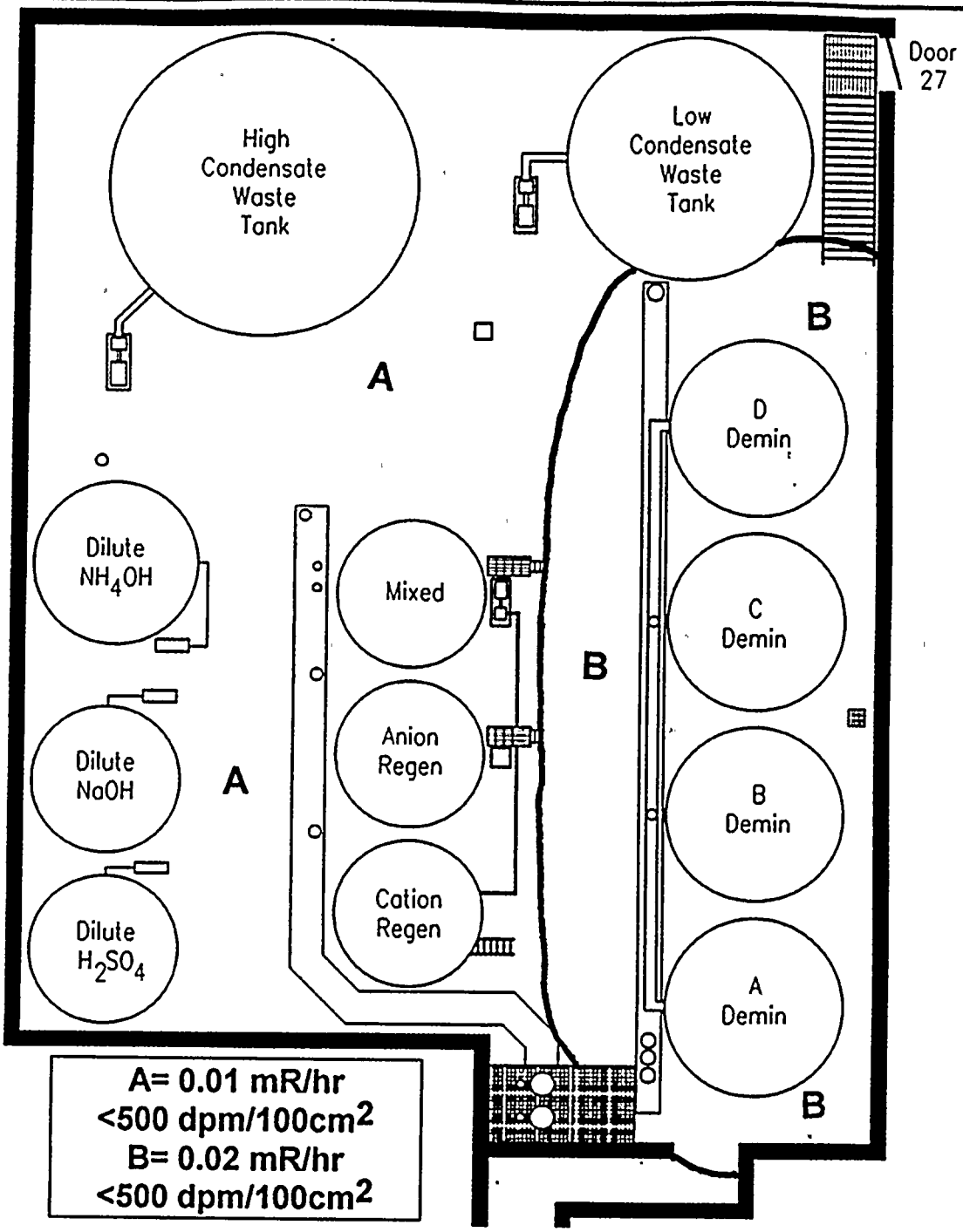
* = Cont. Area
(*) = High Cont. Area
\+ = Radiation Area
(+) = High Rad. Area
[+] = Locked High Rad. Area

R.E.GINNA STATION | **Condensate Polishing Building - Demineralizer Area**

Technician:_____ Date: 10/8/92 Time: 0700-0915

Inst.Type:_____/_____ Serial #'s:_____/_____ Power:_____ LLD:_____

Note: All readings are in mr/hr unless otherwise noted.



A= 0.01 mR/hr
<500 dpm/100cm^2
B= 0.02 mR/hr
<500 dpm/100cm^2

No.	dpm/100cm2

(#) = Smear Location -x--x- = Rad/Cont. Barrier

= Radiation Level (#) = Neutron Radiation Level

#c = Contact Reading

Technician Remarks: Airborne Activity (uCi/cc)
Gaseous = <1E-11 Particulate = <1E-10

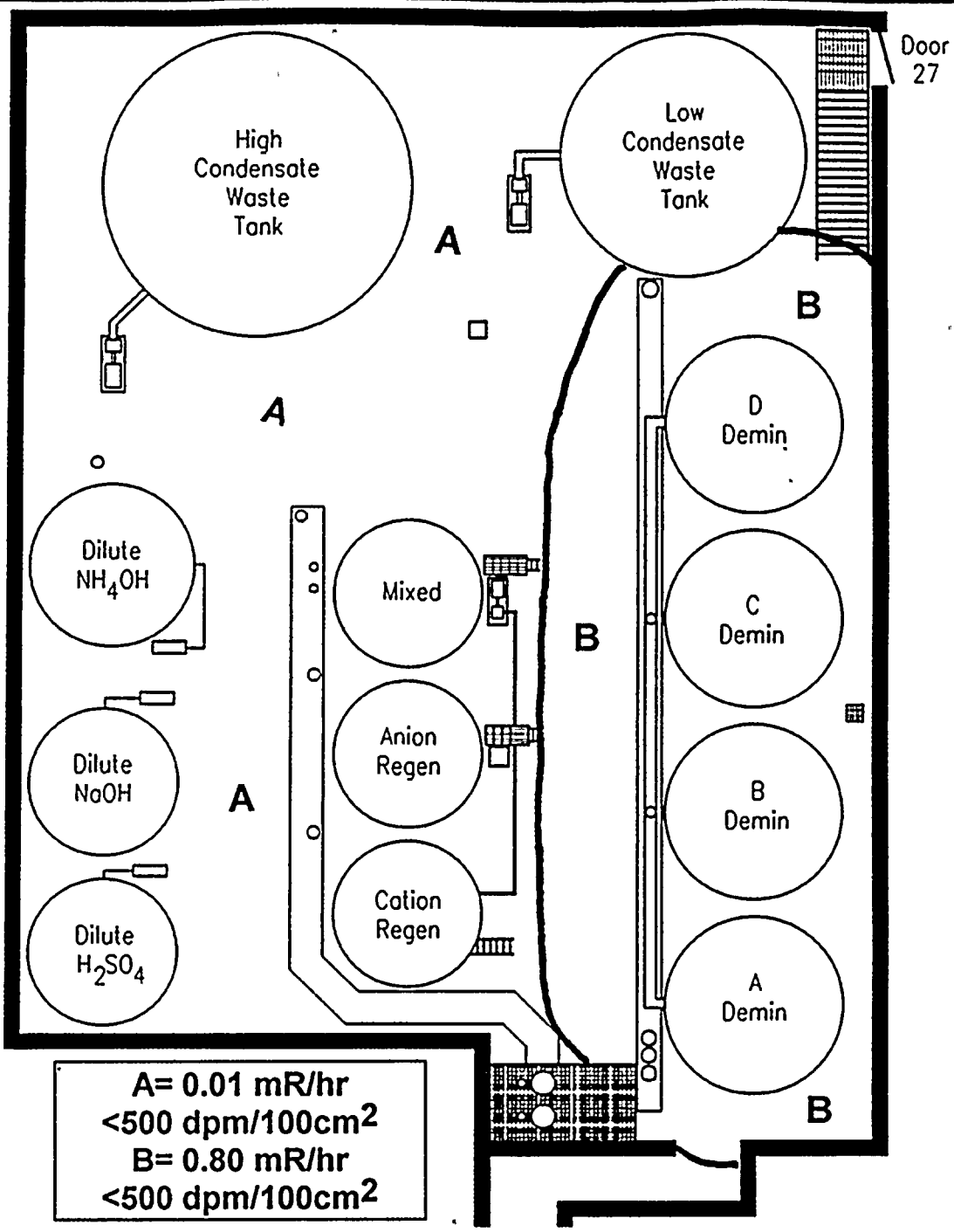
* = Cont. Area
(*) = High Cont. Area
\+ = Radiation Area
(+) = High Rad. Area
[+] = Locked High Rad. Area

R.E.GINNA STATION | **Condensate Polishing Building - Demineralizer Area**

Technician:_____ Date: 10/8/92 Time: 0916-1400

Inst.Type:_____/_____ Serial #'s:_____/_____ Power:_____ LLD:_____

Note: All readings are in mr/hr unless otherwise noted.



A= 0.01 mR/hr
<500 dpm/100cm^2
B= 0.80 mR/hr
<500 dpm/100cm^2

No.	dpm/100cm2

(#) = Smear Location -x--x- = Rad/Cont. Barrier

= Radiation Level (#) = Neutron Radiation Level

#c = Contact Reading

Technician Remarks: Fixed Activity (uCi/cc)

Tritium = <1E-10 Tritiate = <1E-10

* = Cont. Area

(*) = High Cont. Area

\+ = Radiation Area

(+) = High Rad. Area

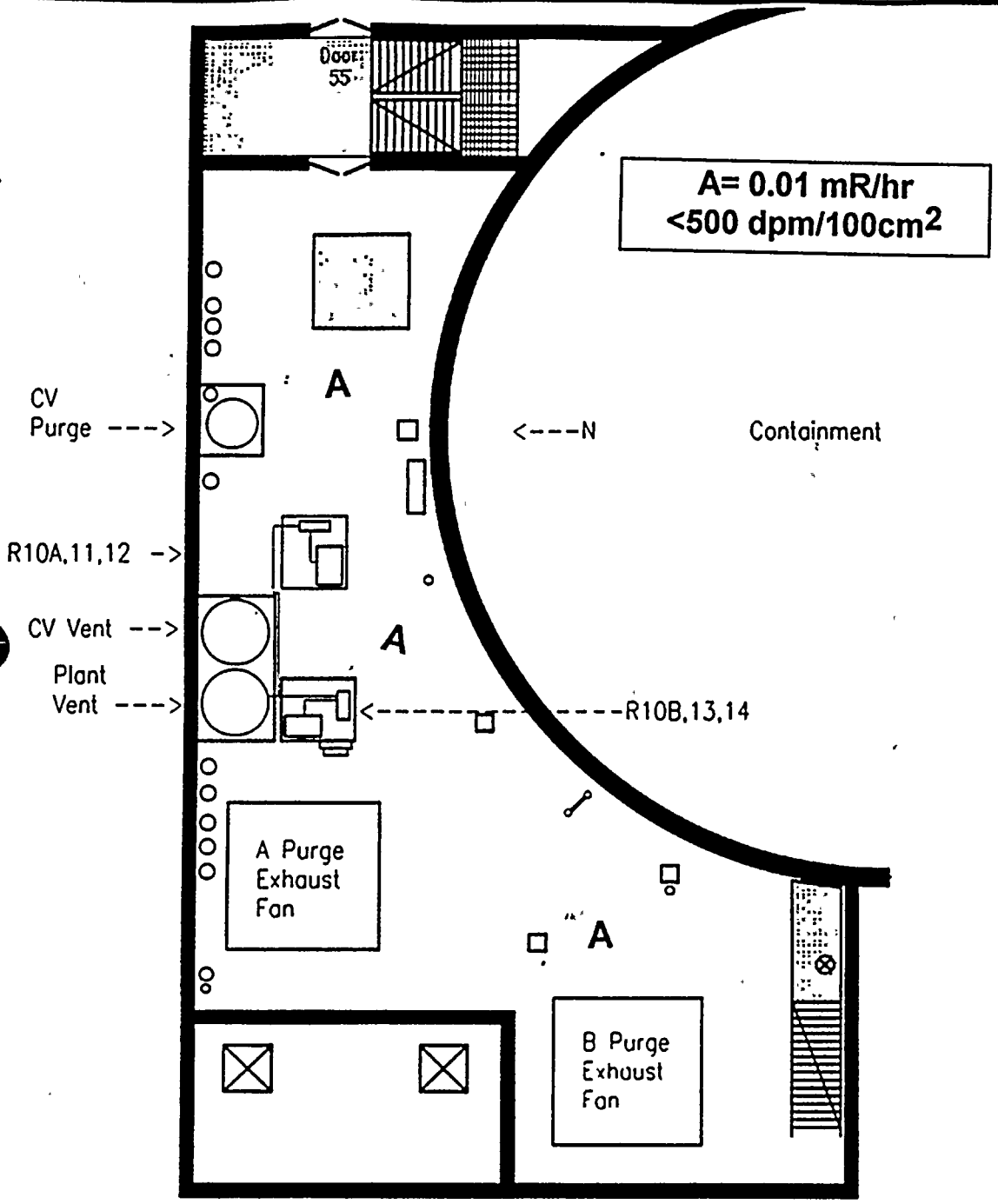
[+] = Locked High Rad. Area

R.E.GINNA STATION | **Intermediate Building North - Top Level**

Technician:_____ Date: 10/8/92 Time: 0700-1400

Inst.Type:_____/_____ Serial #'s:_____/_____ Power:_____ LLD:_____

Note: All readings are in mr/hr unless otherwise noted.



No.	dpm/100cm2

(#) = Smear Location -x--x- = Rad/Cont. Barrier

= Radiation Level (#) = Neutron Radiation Level

#c = Contact Reading

Technician Remarks: Airborne Activity (uCi/cc)

Iodine = <1E-11 , Particulate = <1E-10

* = Cont. Area

(*) = High Cont. Area

+ = Radiation Area

(+) = High Rad. Area

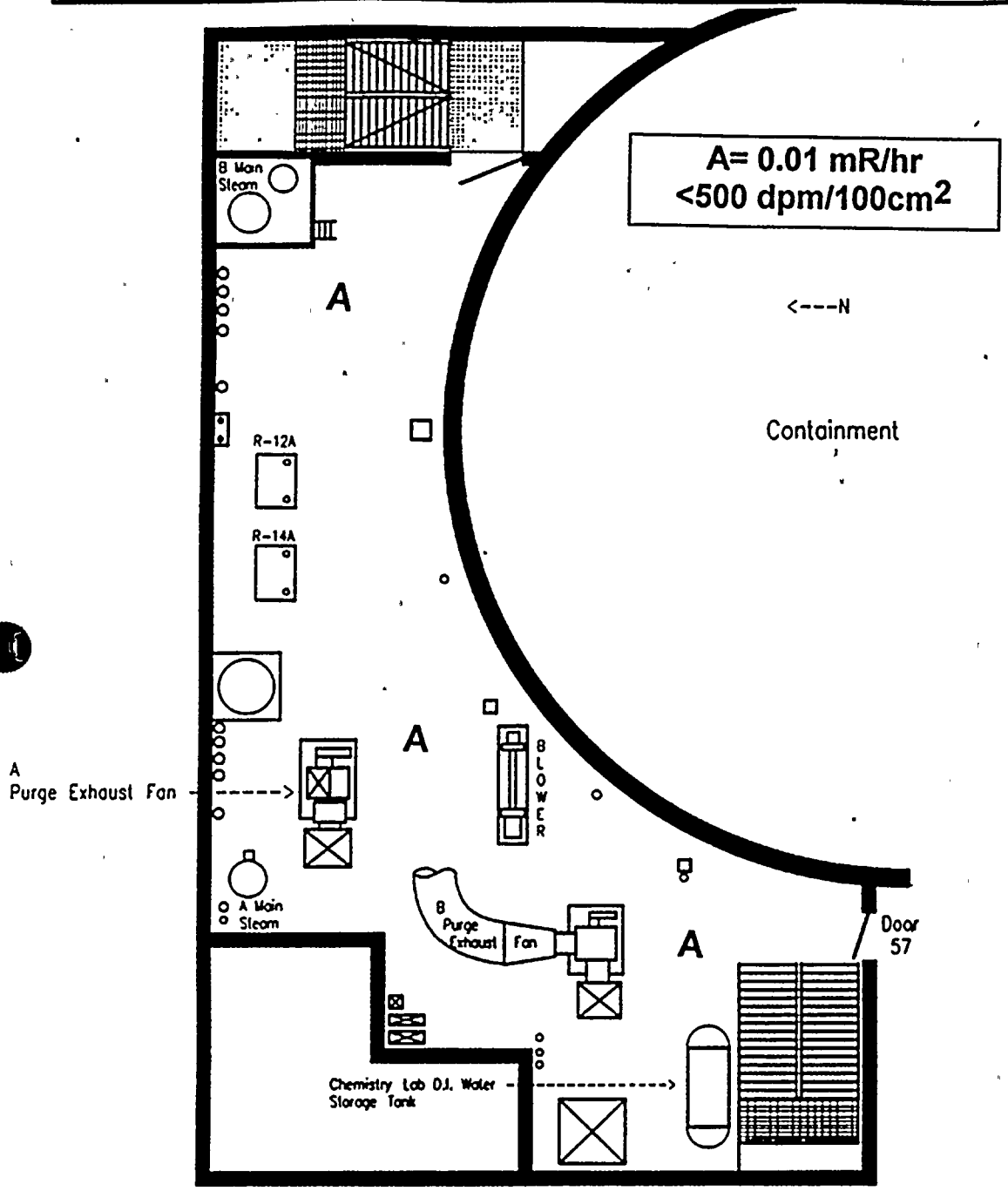
[+] = Locked High Rad. Area

R.E.GINNA STATION | **Intermediate Building North - Operating Level**

Technician:_____ Date: 10/8/92 Time: 0700-1400

Inst.Type:_____/_____ Serial #'s:_____/_____ Power:_____ LLD:_____

Note: All readings are in mr/hr unless otherwise noted.



No.	dpm/100cm2

(#) = Smear Location -x--x- = Rad/Cont. Barrier

= Radiation Level (#) = Neutron Radiation Level

#c = Contact Reading

Technician Remarks: Airborne Activity (uCi/cc)

Iodine = <1E-11, Particulate = <1E-10

• = Cont. Area

(•) = High Cont. Area

• = Radiation Area

(•) = High Rad. Area

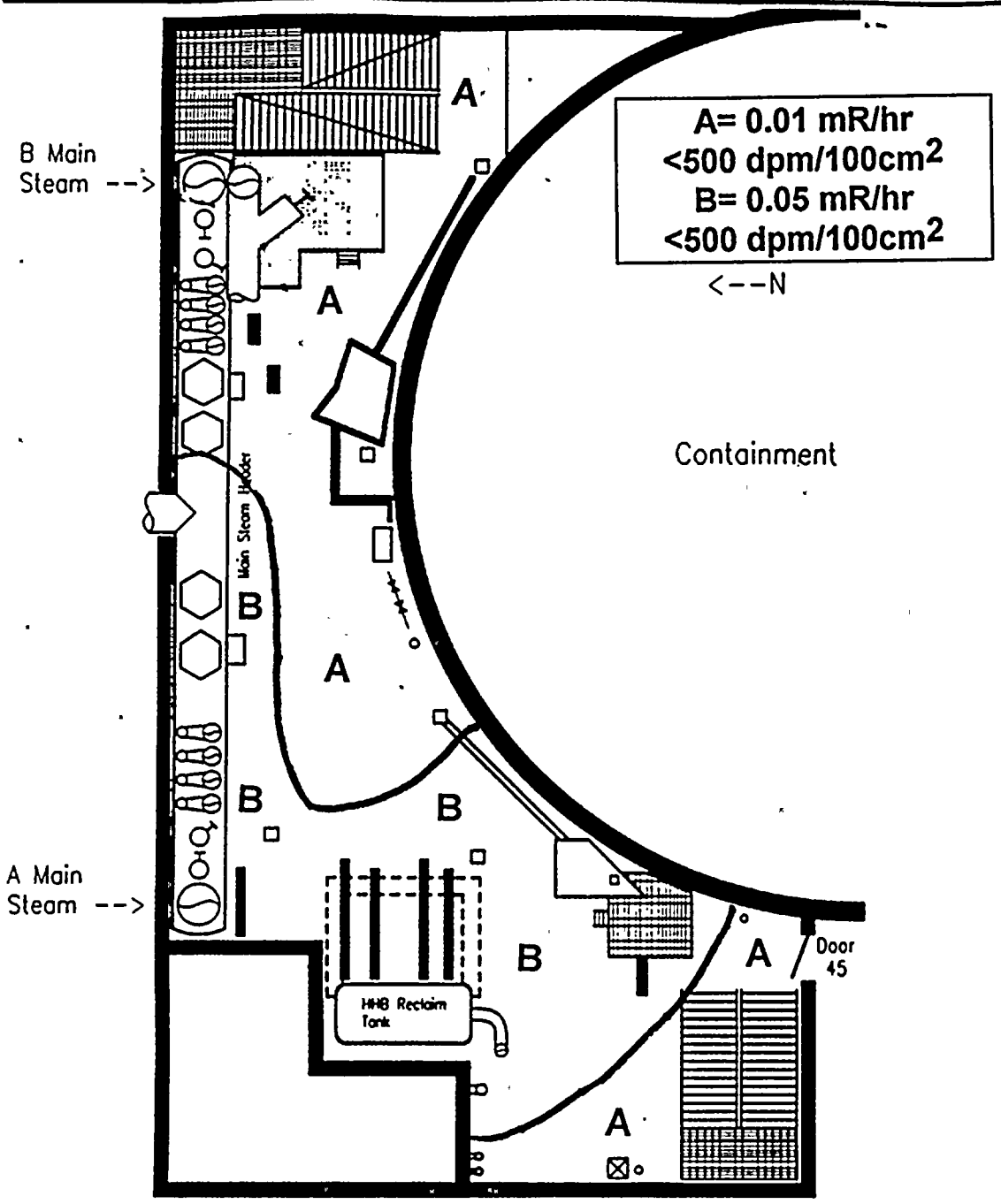
[•] = Locked High Rad. Area

R.E.GINNA STATION | **Intermediate Building North - Mezzanine Level**

Technician:_____ Date: 10/8/92 Time: 0700-0915

Inst.Type:_____/_____ Serial #'s:_____/_____ Power:_____ LLD:_____

Note: All readings are in mr/hr unless otherwise noted.



No.	dpm/100cm2

(#) = Smear Location -x--x- = Rad/Cont. Barrier

= Radiation Level (#) = Neutron Radiation Level

c = Contact Reading

Technician Remarks: Airborne Activity (MPC)

Iodine: <1E-11, Particulate: <1E-10

* = Cont. Area

(*) = High Cont. Area

• = Radiation Area

(•) = High Rad. Area

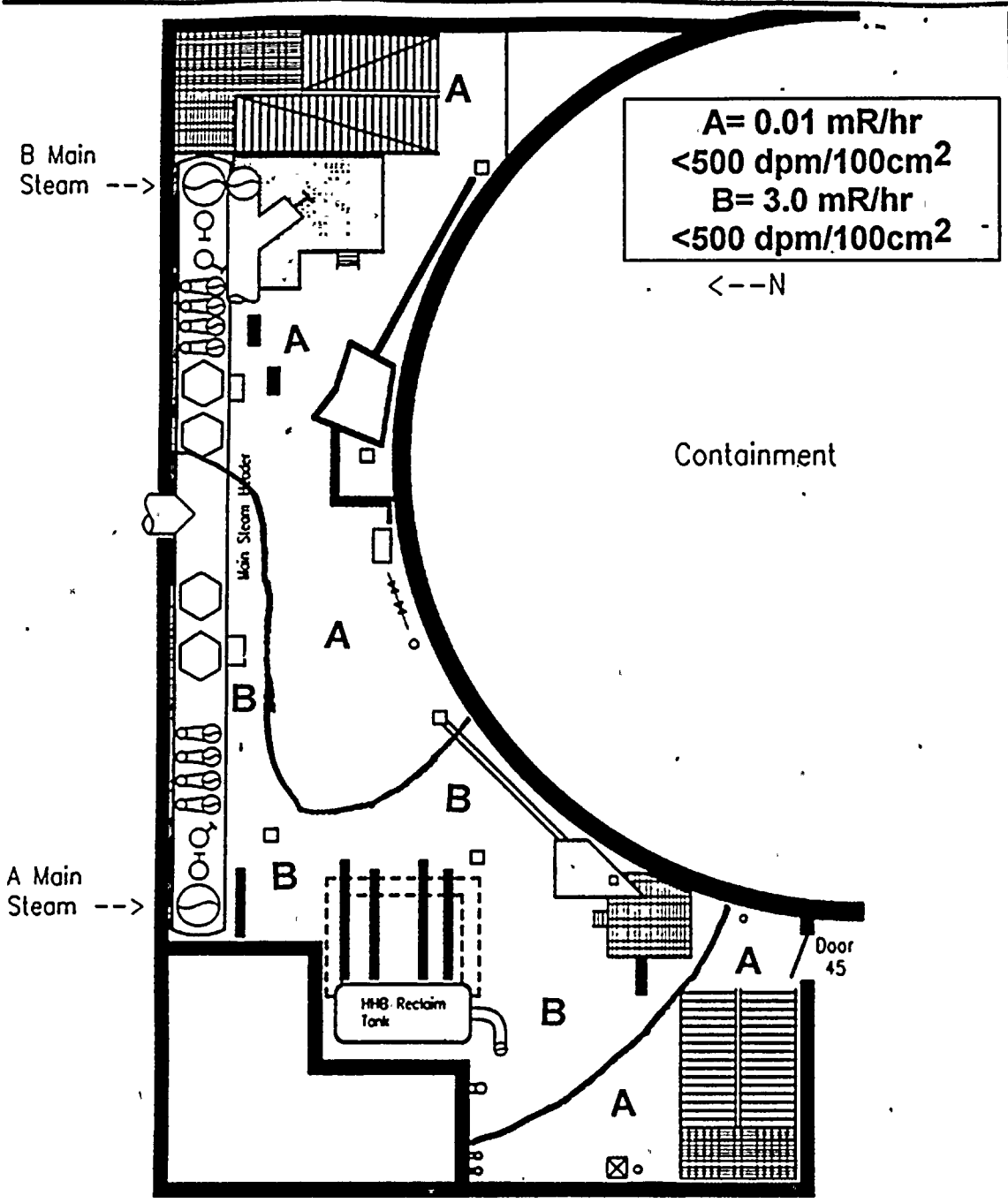
[•] = Locked High Rad. Area

R.E.GINNA STATION | **Intermediate Building North - Mezzanine Level**

Technician:_____ Date: 10/8/92 Time: 0916-0940

Inst.Type:_____/_____ Serial #'s:_____/_____ Power:_____ LLD:_____

Note: All readings are in mr/hr unless otherwise noted.



No.	dpm/100cm2

(#) = Smear Location -x--x- = Rad/Cont. Barrier

= Radiation Level (#) = Neutron Radiation Level

#c = Contact Reading

Technician Remarks: Airborne Activity (uCi/cc)
Iodine = <1E-11, Particulate = <1E-10

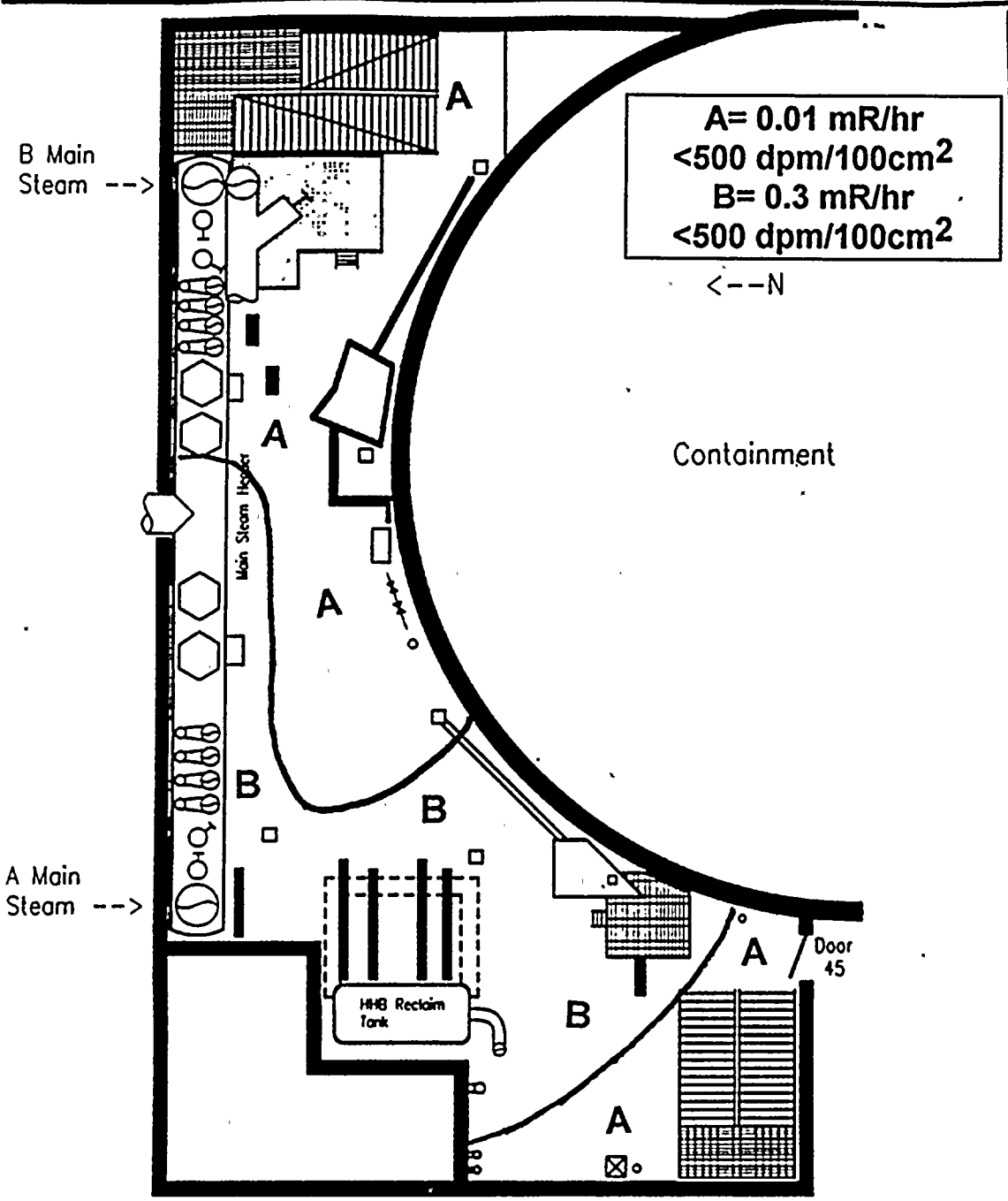
* = Cont. Area
(*) = High Cont. Area
+ = Radiation Area
(+) = High Rad. Area
[+] = Locked High Rad. Area

R.E.GINNA STATION | **Intermediate Building North - Mezzanine Level**

Technician:_____ Date: 10/8/92 Time: 0941 - 1400

Inst.Type:_____/_____ Serial #'s:_____/_____ Power:_____ LLD:_____

Note: All readings are in mr/hr unless otherwise noted.



No.	dpm/100cm2

(#) = Smear Location -x--x- = Rad/Cont. Barrier

= Radiation Level (#) = Neutron Radiation Level

#c = Contact Reading

Technician Remarks: Airborne Activity (uCi/cc)

Iodine = <1E-11, Particulate = <1E-10

* = Cont. Area

(*) = High Cont. Area

\+ = Radiation Area

(+) = High Rad. Area

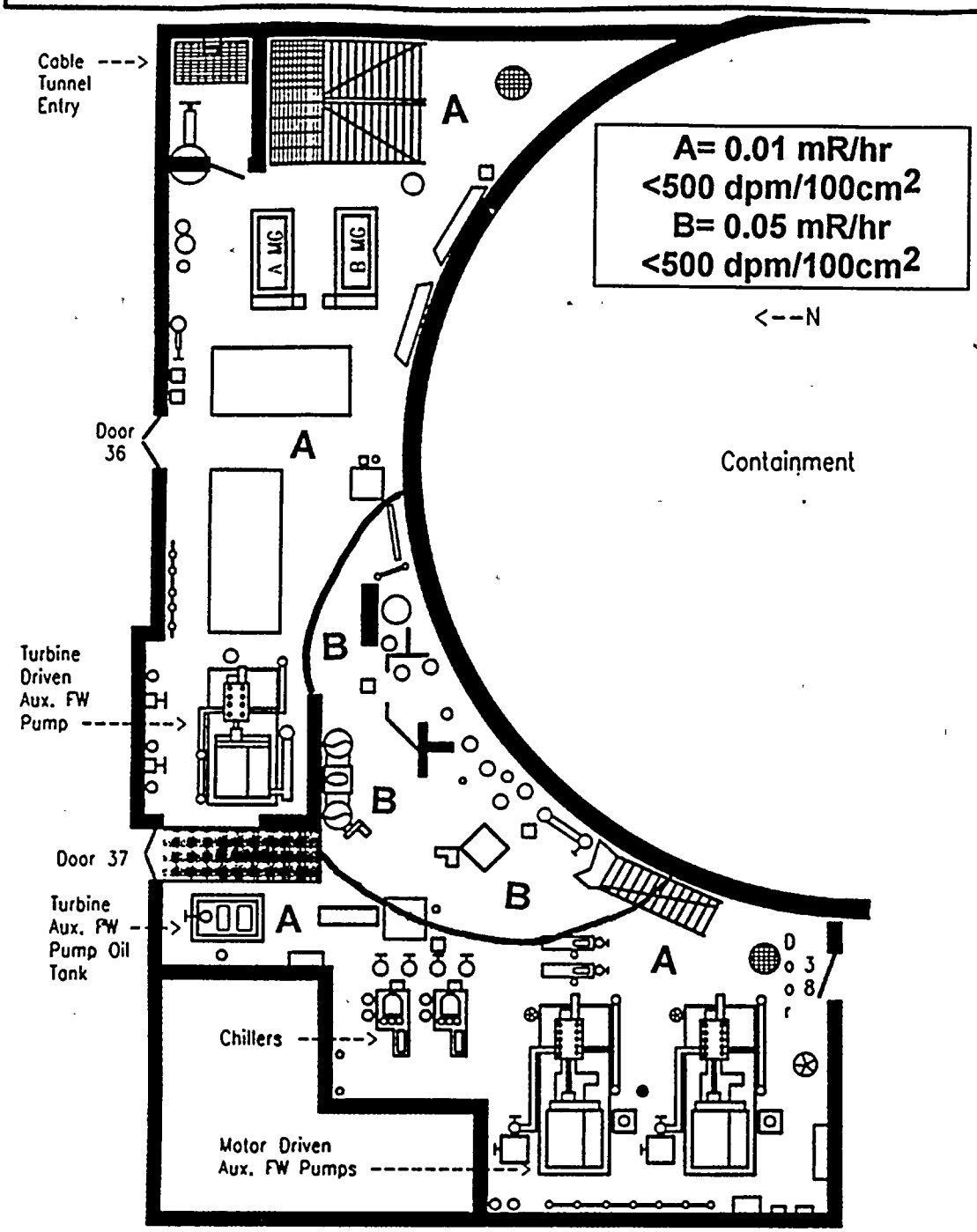
[+] = Locked High Rad. Area

R.E.GINNA STATION | **Intermediate Building North - Basement Level**

Technician:_____ Date: 10/8/92 Time: 0700-0915

Inst.Type:_____/_____ Serial #'s:_____/_____ Power:_____ LLD:_____

Note: All readings are in mr/hr unless otherwise noted.



No.	dpm/100cm2

(#) = Smear Location -x--x- = Rad/Cont. Barrier

= Radiation Level (#) = Neutron Radiation Level

#c = Contact Reading

Technician Remarks: Airborne Activity (uCi/cc)
Iodine = <1E-11. Particulate = 1E-10

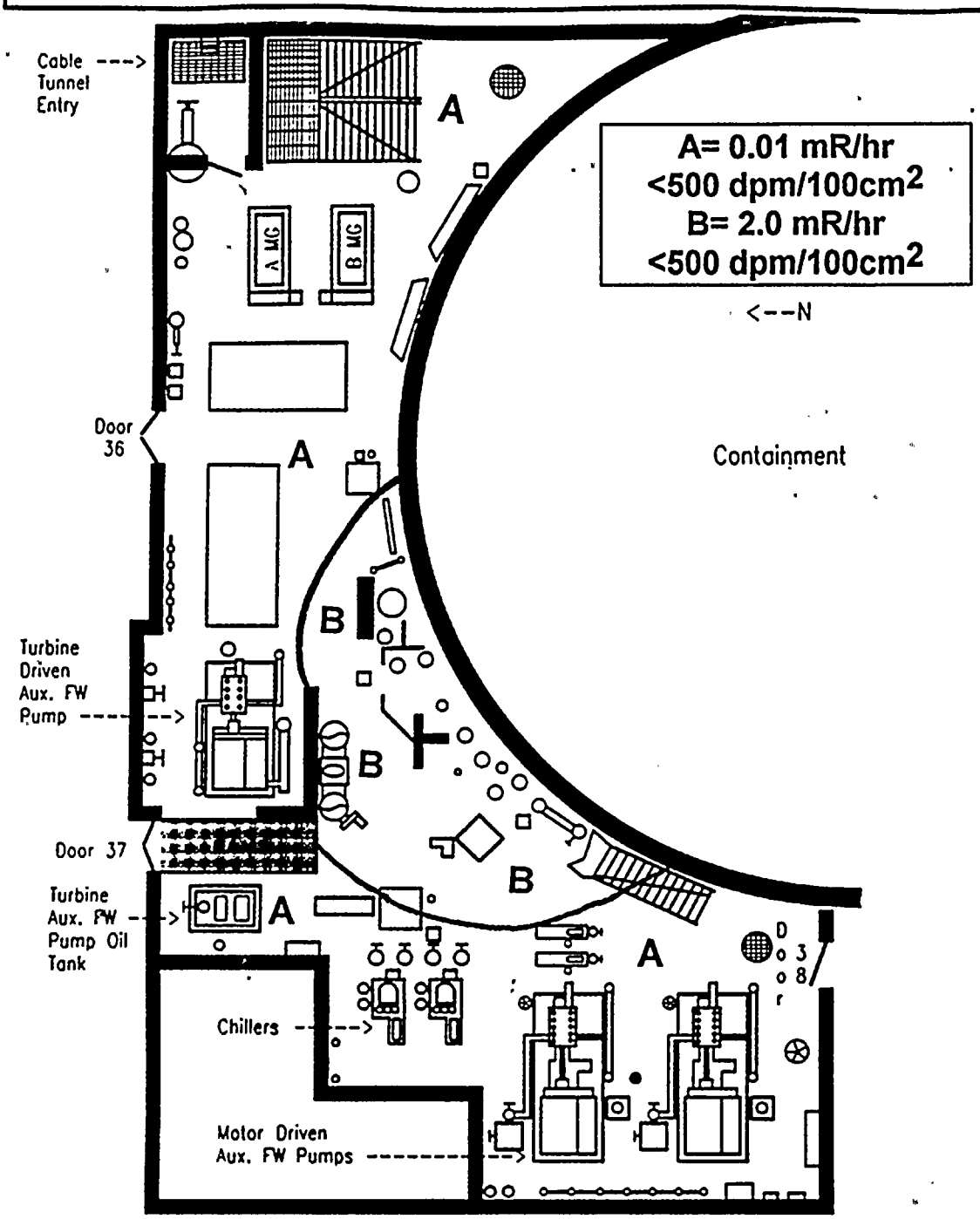
• = Cont. Area
(•) = High Cont. Area
+ = Radiation Area
(+) = High Rad. Area
[+] = Locked High Rad. Area

R.E.GINNA STATION | **Intermediate Building North - Basement Level**

Technician:_____ Date: 10/8/92 Time: 0916 - 1400

Inst.Type:_____/_____ Serial #'s:_____/_____ Power:_____ LLD:_____

Note: All readings are in mr/hr unless otherwise noted.



No.	dpm/100cm2

(#) = Smear Location -x--x- = Rad/Cont. Barrier

= Radiation Level (#) = Neutron Radiation Level

#c = Contact Reading

Technician Remarks: Airborne Activity (uCi/cc)
Iodine = <1E-11, Particulate = <1E-10

• = Cont. Area
(•) = High Cont. Area
+ = Radiation Area
(+) = High Rad. Area
[+] = Locked High Rad. Area

R.E.GINNA STATION

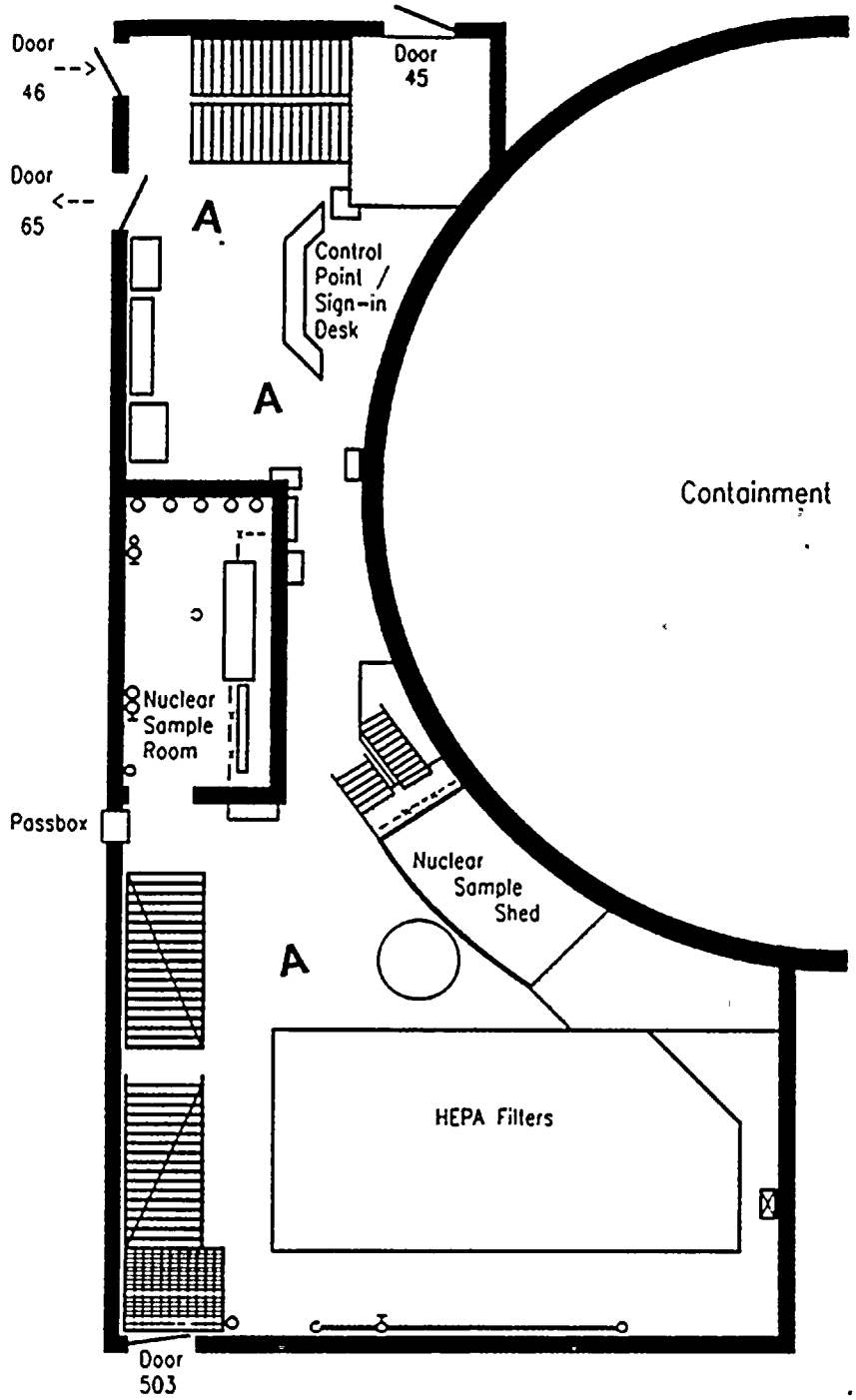
Intermediate Building South - Mezzanine Level

A= 0.01 mR/hr
<500 dpm/100cm2

Date: 10/8/92 Time: 0700-1400

Serial #'s: ____/____ Power: ____ LLD: ____

Note: All readings are in mr/hr unless otherwise noted. No PASS Operation



No.	dpm/100cm2

(#) = Smear Location
= Radiation Level
#c = Contact Reading
-x--x- = Rad/Cont. Barrier
(#) = Neutron Radiation Level

Technician Remarks: Airborne Activity (uCi/cc)
Iodine = <1E-11 , Particulate = <1E-10

• = Cont. Area
(•) = High Cont. Area
+ = Radiation Area
(+) = High Rad. Area
[+] = Locked High Rad. Area

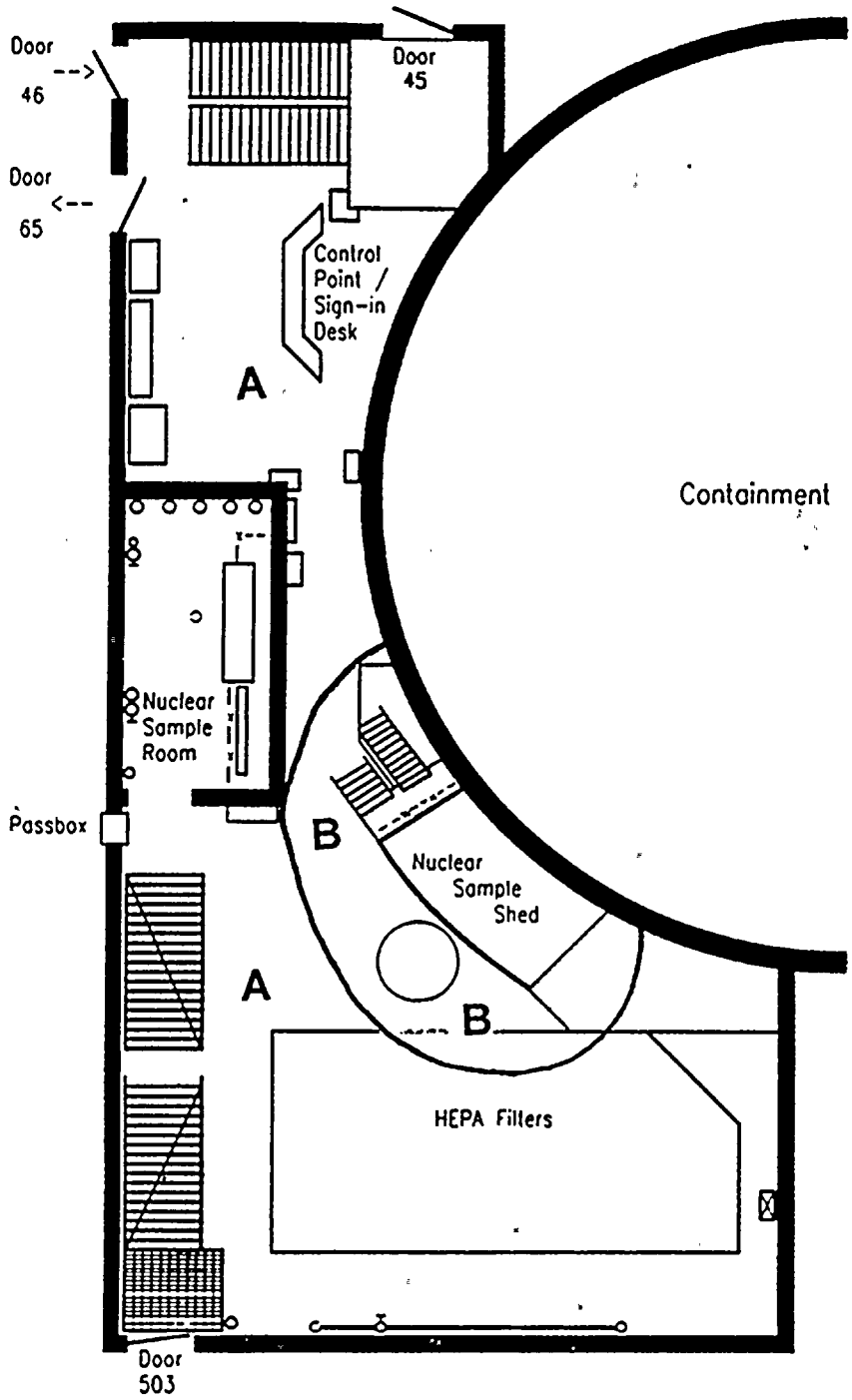
A=0.1 mR/hr
<500 dpm/100cm2
B=10 mR/hr
<500 dpm/100cm2

Intermediate Building South - Mezzanine Level

Date: 10/8/92 Time: PASS in operation

Serial #'s: ____/____ Power: ____ LLD: ____

/hr unless otherwise noted. 0916-1400



No.	dpm/100cm2

(#) = Smear Location
= Radiation Level
#c = Contact Reading
-x--x- = Rad/Cont. Barrier
(#) = Neutron Radiation Level

Technician Remarks: Airborne Activity (uCi/cc)
Iodine = <1E-11 Particulate = <1E-10

• = Cont. Area
(•) = High Cont. Area
• = Radiation Area
(•) = High Rad. Area
[•] = Locked High Rad. Area

R.E.GINNA STATION

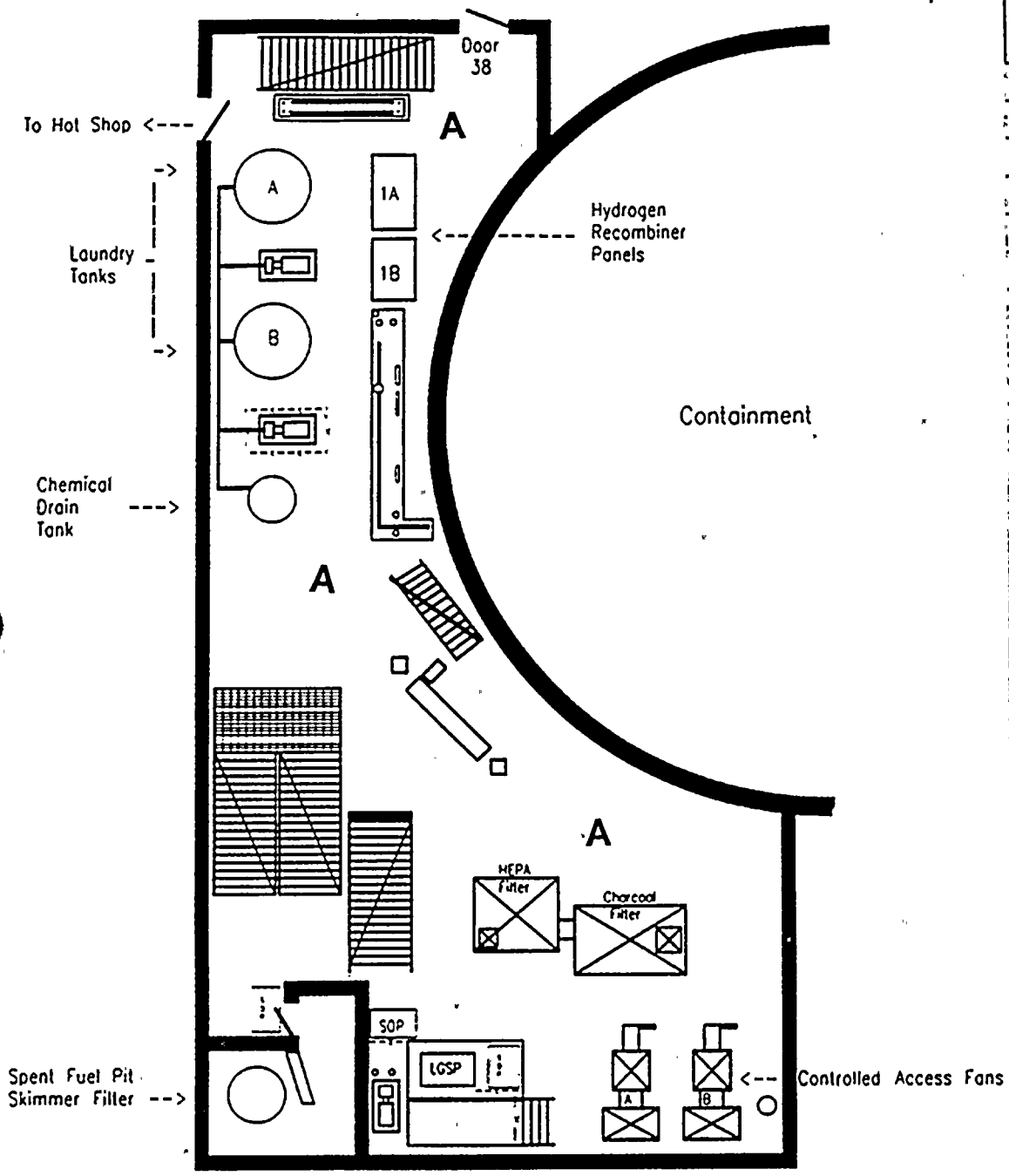
Intermediate Building South - Basement Level

A= 0.01 mR/hr
<500 dpm/100cm2

Date: 10/8/92 Time: 0700 - 1400

Serial #'s: ____/____ Power: ____ LLD: ____

Note: All readings are in mr/hr unless otherwise noted. No PASS Operation



No.	dpm/100cm2

(#) = Smear Location
# = Radiation Level
c = Contact Reading
-x--x- = Rad/Cont. Barrier
(#) = Neutron Radiation Level

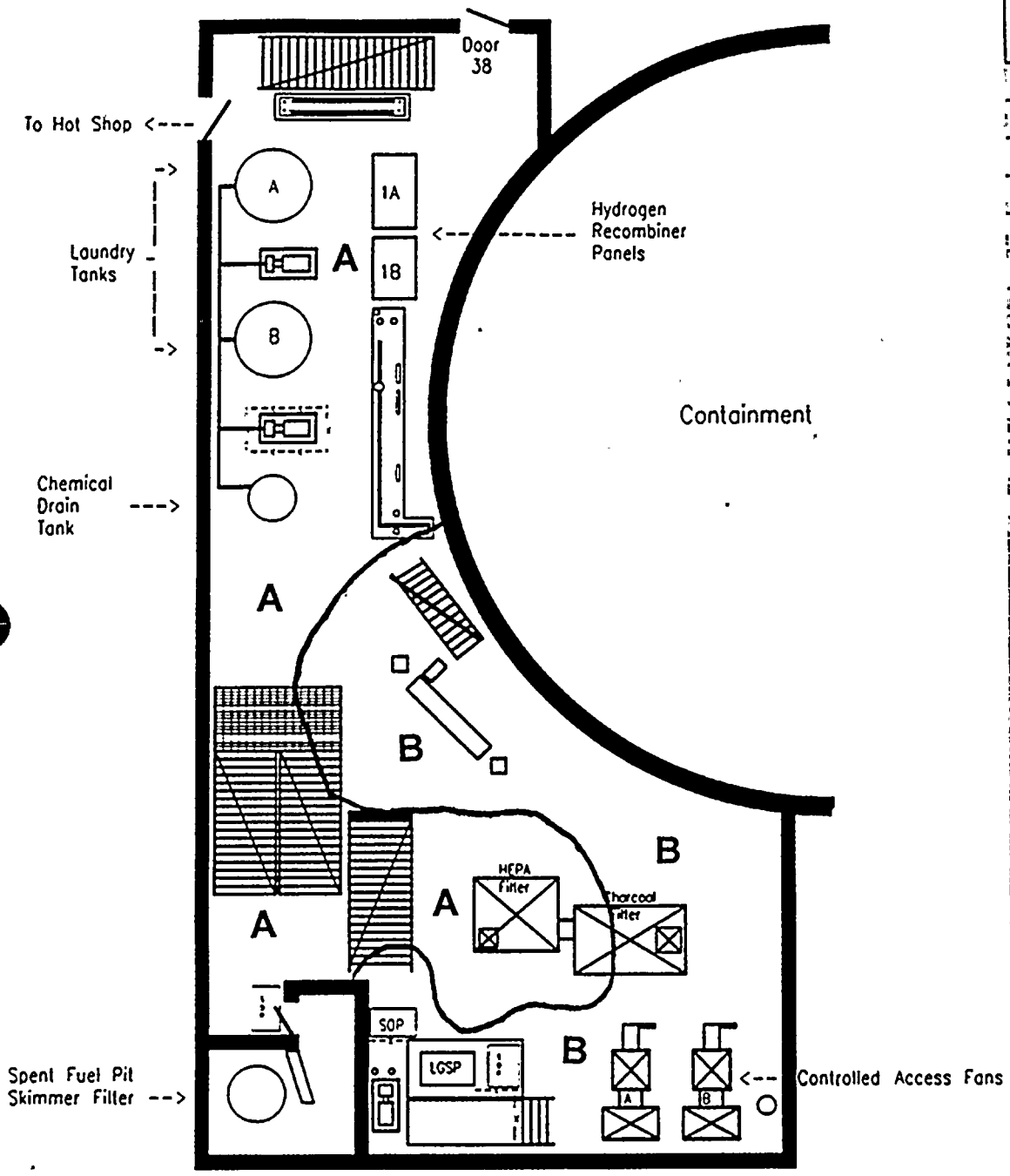
Technician Remarks: Airborne Activity (uCi/cc)
Iodine = <1E-11, Particulate = <1E-10

= Cont. Area
= High Cont. Area
= Radiation Area
= High Rad. Area
= Locked High Rad. Area

A=0.1 mR/hr
<500 dpm/100cm2
B=100 mR/hr
<500 dpm/100cm2

Intermediate Building South - Basement Level

Date: 10/8/92 Time: PASS in operation
Serial #'s: / Power: LLD:
/hr unless otherwise noted.



No.	dpm/100cm2

(#) = Smear Location -x--x- = Rad/Cont. Barrier
# = Radiation Level (#) = Neutron Radiation Level
c = Contact Reading

Technician Remarks: Airborne Activity (uCi/cc)
Iodine = <1E-11 Particulate = <1E-10

= Cont. Area
= High Cont. Area
= Radiation Area
= High Rad. Area
= Locked High Rad. Area

R.E.GINNA STATION

Contaminated Storage Building

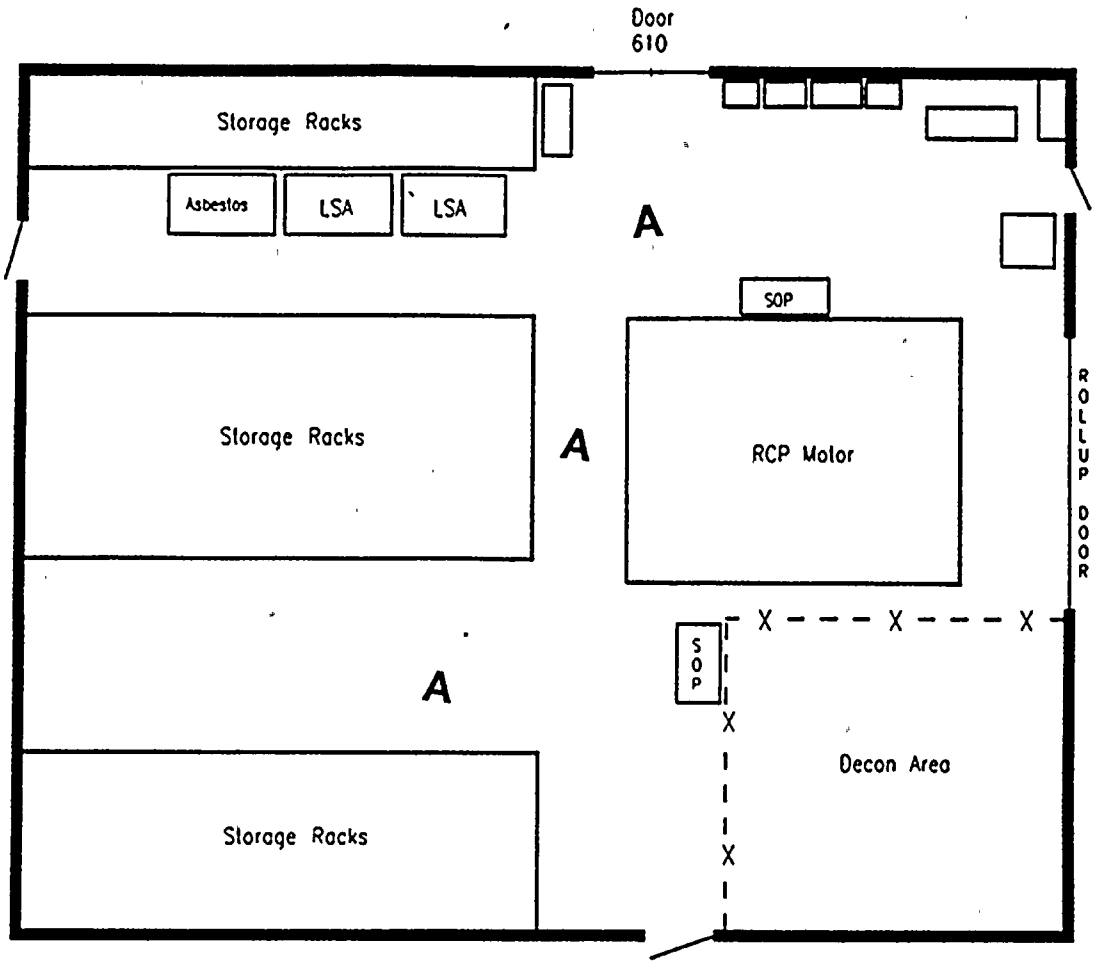
Technician:_____ Date: 10/8/92 Time: 0700 - 1400

Inst.Type:_____/_____ Serial #'s:_____/_____ Power:_____ LLD:_____

Note: All readings are in mr/hr unless otherwise noted.

No.	dpm/100cm2

A= 0.05 mR/hr
<500 dpm/100cm2



(#) = Smear Location -x--x- = Rad/Cont. Barrier

= Radiation Level (#) = Neutron Radiation Level

#c = Contact Reading

Technician Remarks: Airborne Activity (uCi/cc)
Iodine = <1E-11 ; Particulate = <1E-10

* = Cont. Area

(*) = High Cont. Area

\+ = Radiation Area

(+) = High Rad. Area

[+] = Locked High Rad. Area

R.E.GINNA STATION

Spent Fuel Pit and Decon Pit

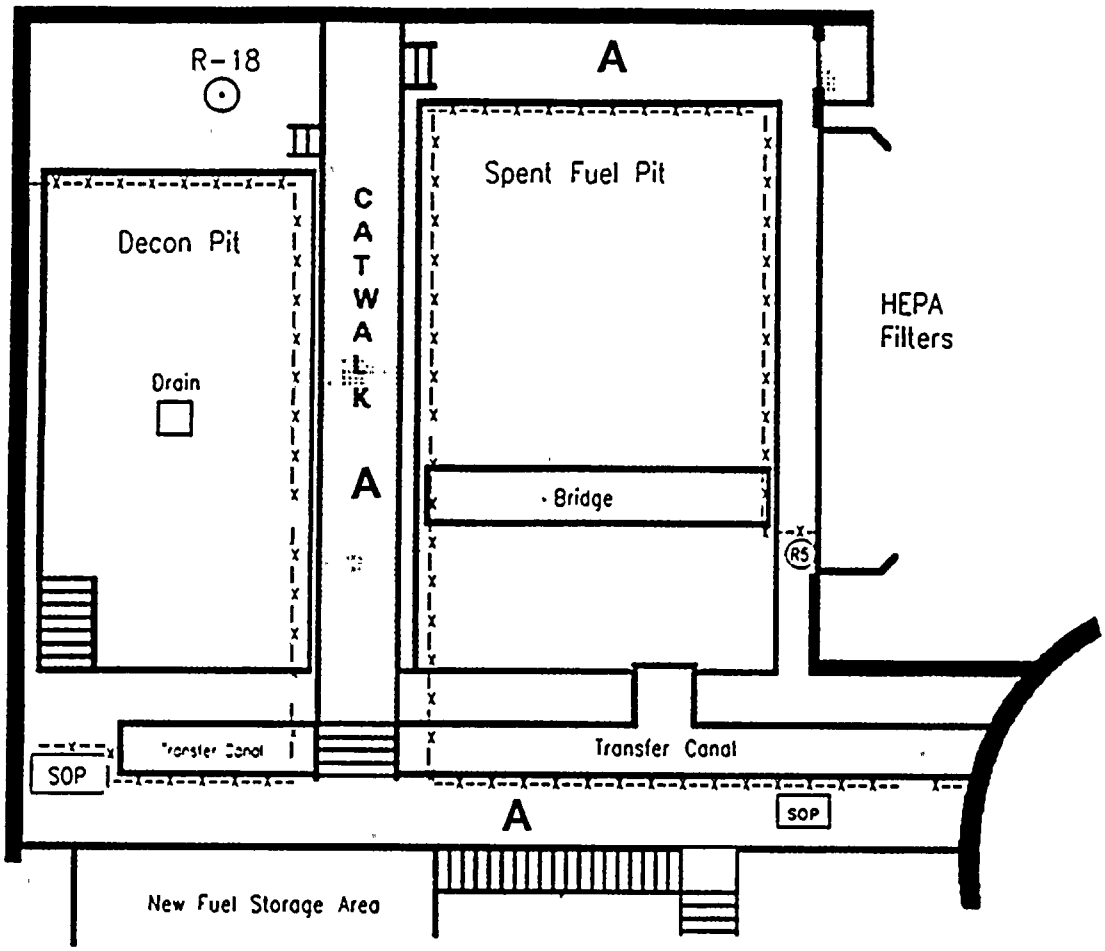
Technician:_____ Date: 10/8/92 Time: 0700 - 1400

Inst.Type:_____/_____ Serial #'s:_____/_____ Power:_____ LLD:_____

Note: All readings are in mr/hr unless otherwise noted.

A= 0.10 mR/hr
<500 dpm/100cm2

No.	dpm/100cm2



(#) = Smear Location -x--x- = Rad/Cont. Barrier

= Radiation Level (#) = Neutron Radiation Level

#c = Contact Reading

Technician Remarks: Airborne Activity (uCi/cc)
Iodine = <1E-11. Particulate = <1E-10

* = Cont. Area
(*) = High Cont. Area
\+ = Radiation Area
(+) = High Rad. Area
[+] = Locked High Rad. Area

R.E.GINNA STATION | Auxiliary Building Operating Level - West End

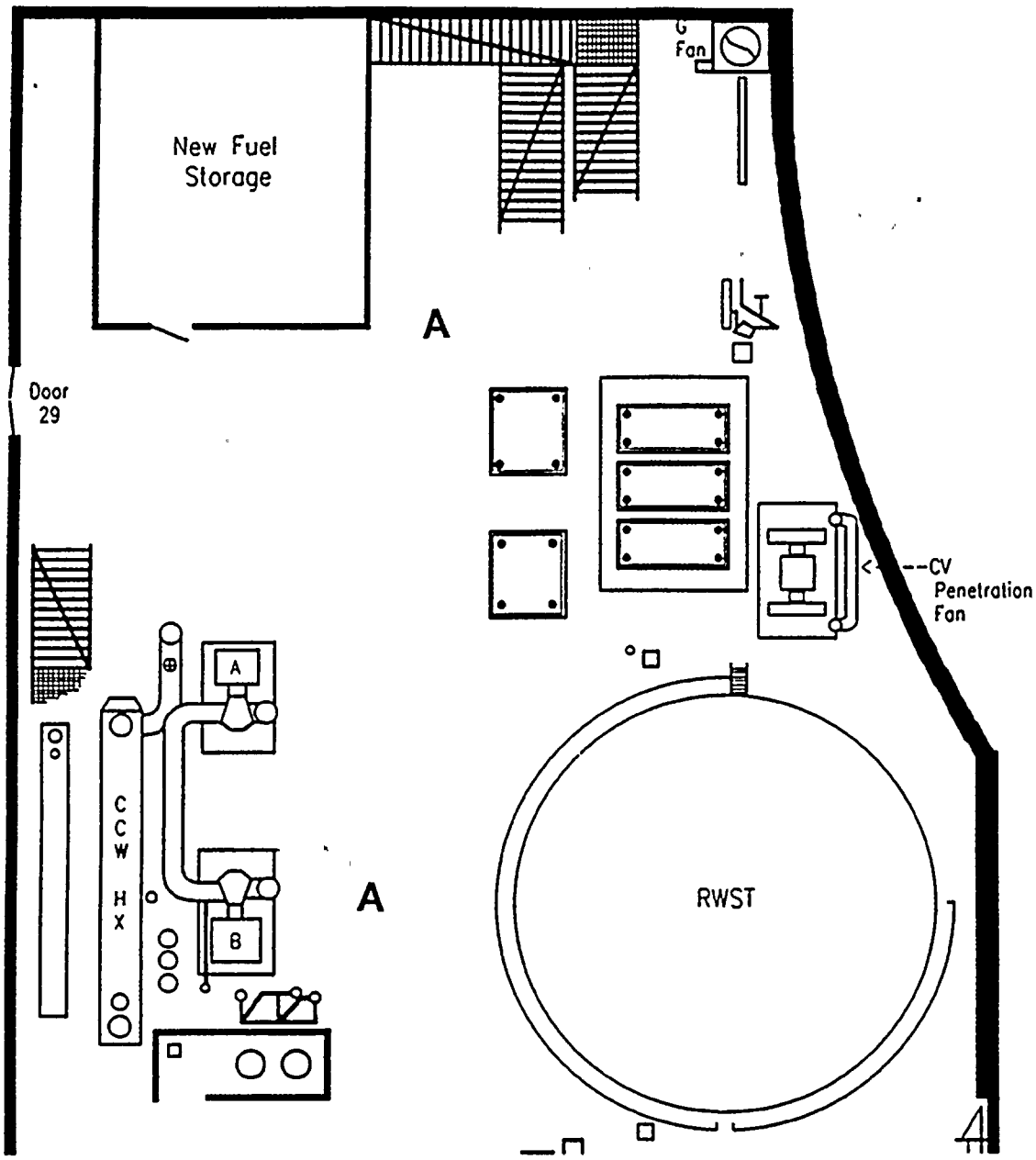
A= 0.10 mR/hr
<500 dpm/100cm2

Date: 10/8/92 Time: 0700 - 1400

Serial #'s: ____/____ Power: ____ LLD: ____

Note: All readings are in mr/hr unless otherwise noted.

No.	dpm/100cm2



(#) = Smear Location -x--x- = Rad/Cont. Barrier
= Radiation Level (#) = Neutron Radiation Level
#c = Contact Reading

Technician Remarks: Airborne Activity (uCi/cc)
Iodine = <1E-11 Particulate = <1E-10

* = Cont. Area
(*) = High Cont. Area
+ = Radiation Area
(+) = High Rad. Area
[+] = Locked High Rad. Area

R.E.GINNA STATION

Auxiliary Building Intermediate Level - West End

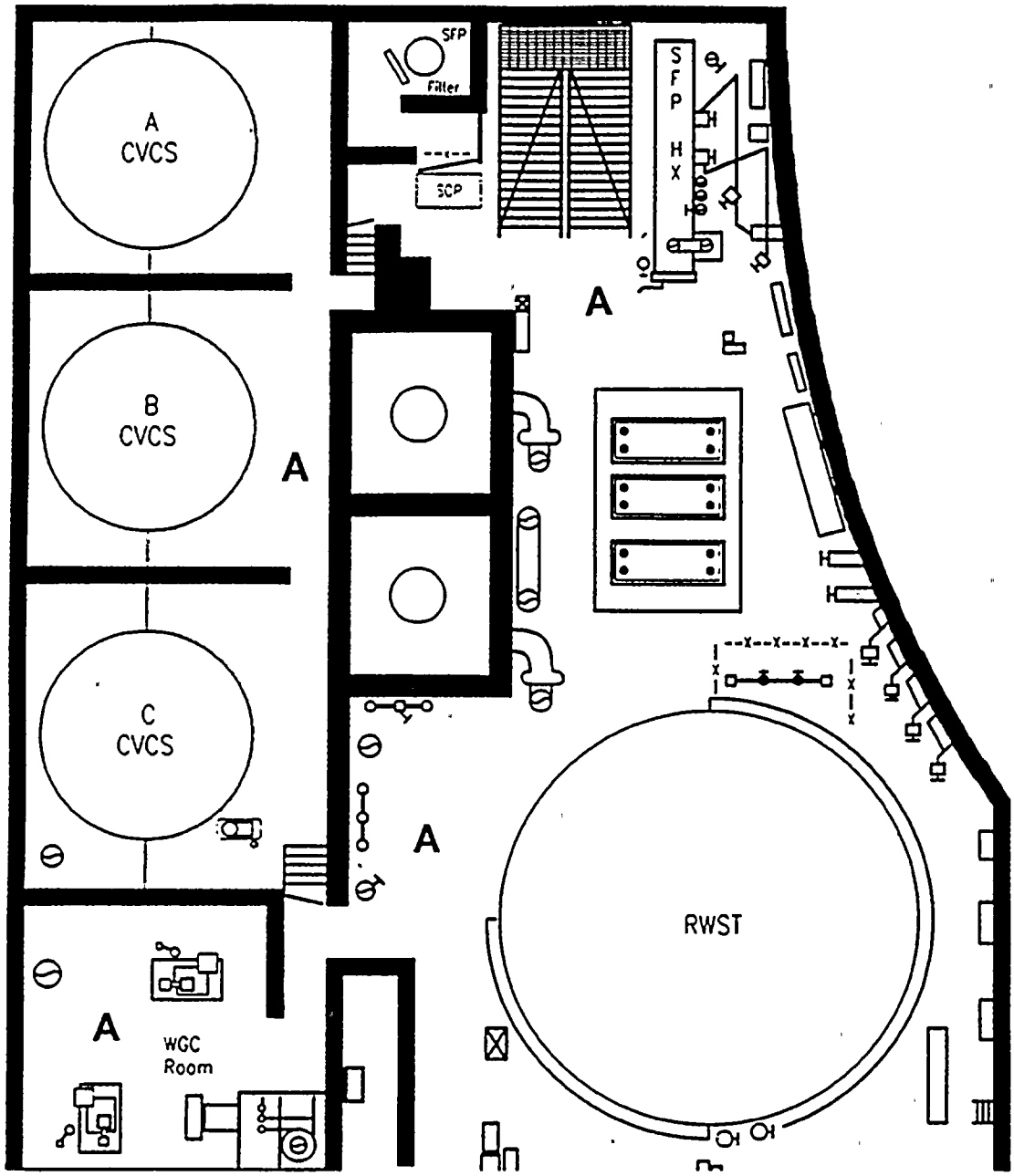
A= 0.10 mR/hr
<500 dpm/100cm2

Date: 10/8/92 Time: 0700-1400

Serial #'s: ____/____ Power: ____ LLD: ____

Note: All readings are in mr/hr unless otherwise noted.

No.	dpm/100cm2



(#) = Smear Location
= Radiation Level
#c = Contact Reading
-x--x- = Rad/Cont. Barrier
(#) = Neutron Radiation Level

Technician Remarks: Liquid Activity (uCi/cc)
Iodine = <1E-11 . [illegible] = <1E-10

= Cont. Area
= High Cont. Area
= Radiation Area
= High Rad. Area
= Locked High Rad. Area

R.E.GINNA STATION

Auxiliary Building Basement Level - West End

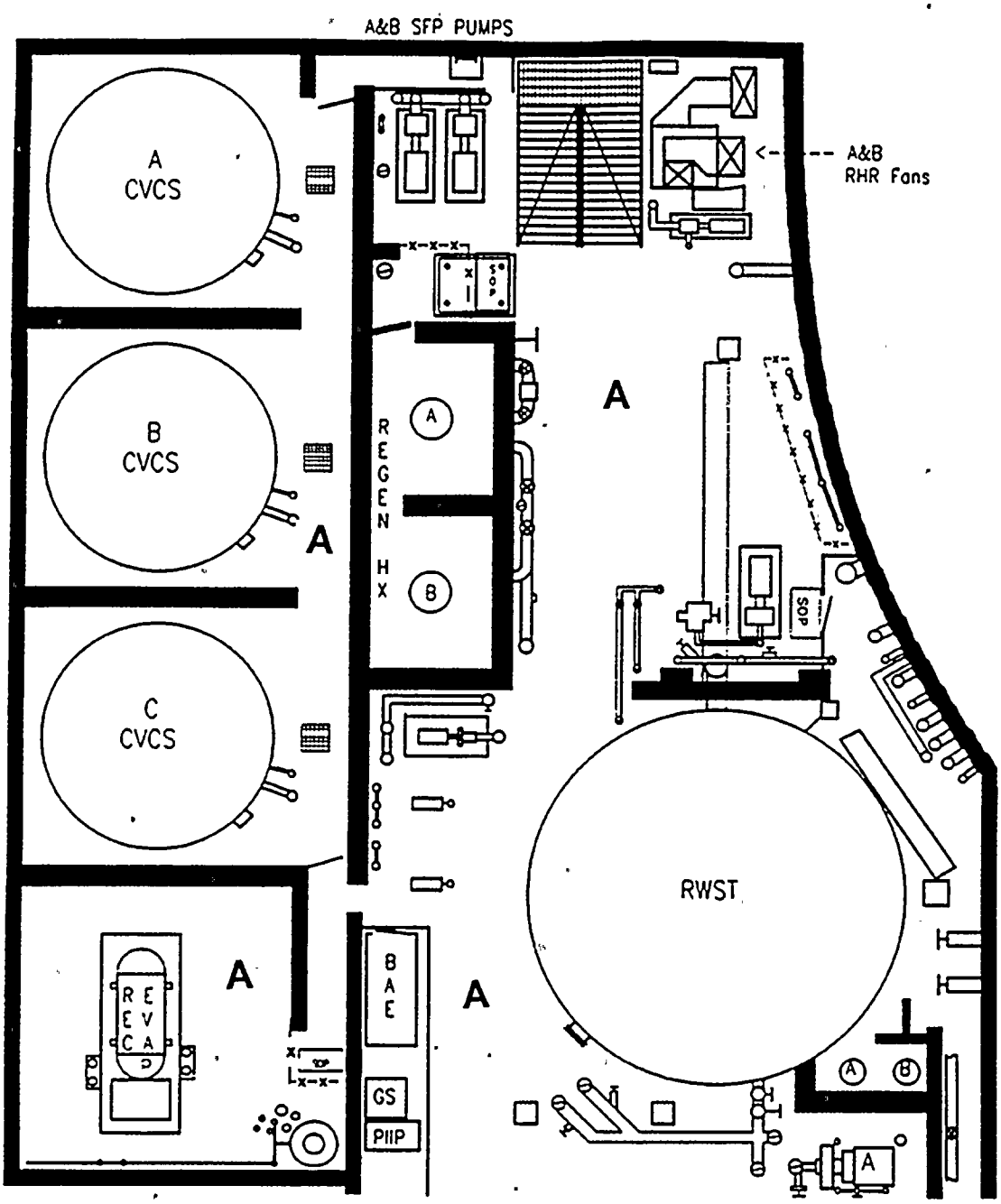
A= 0.10 mR/hr
<500 dpm/100cm2

Date: 10/8/92 Time: 0700-1400

Serial #'s: ____/____ Power: ____ LLD: ____

Note: All readings are in mr/hr unless otherwise noted.

No.	dpm/100cm2



(#) = Smear Location -x--x- = Rad/Cont. Barrier

= Radiation Level (#) = Neutron Radiation Level

#c = Contact Reading

Technician Remarks: Airborne Activity in Ci/cc
Iodine = <1E-11, Particulate = <1E-10

* = Cont. Area

(*) = High Cont. Area

\+ = Radiation Area

(+) = High Rad. Area

[+] = Locked High Rad. Area

R.E.GINNA STATION

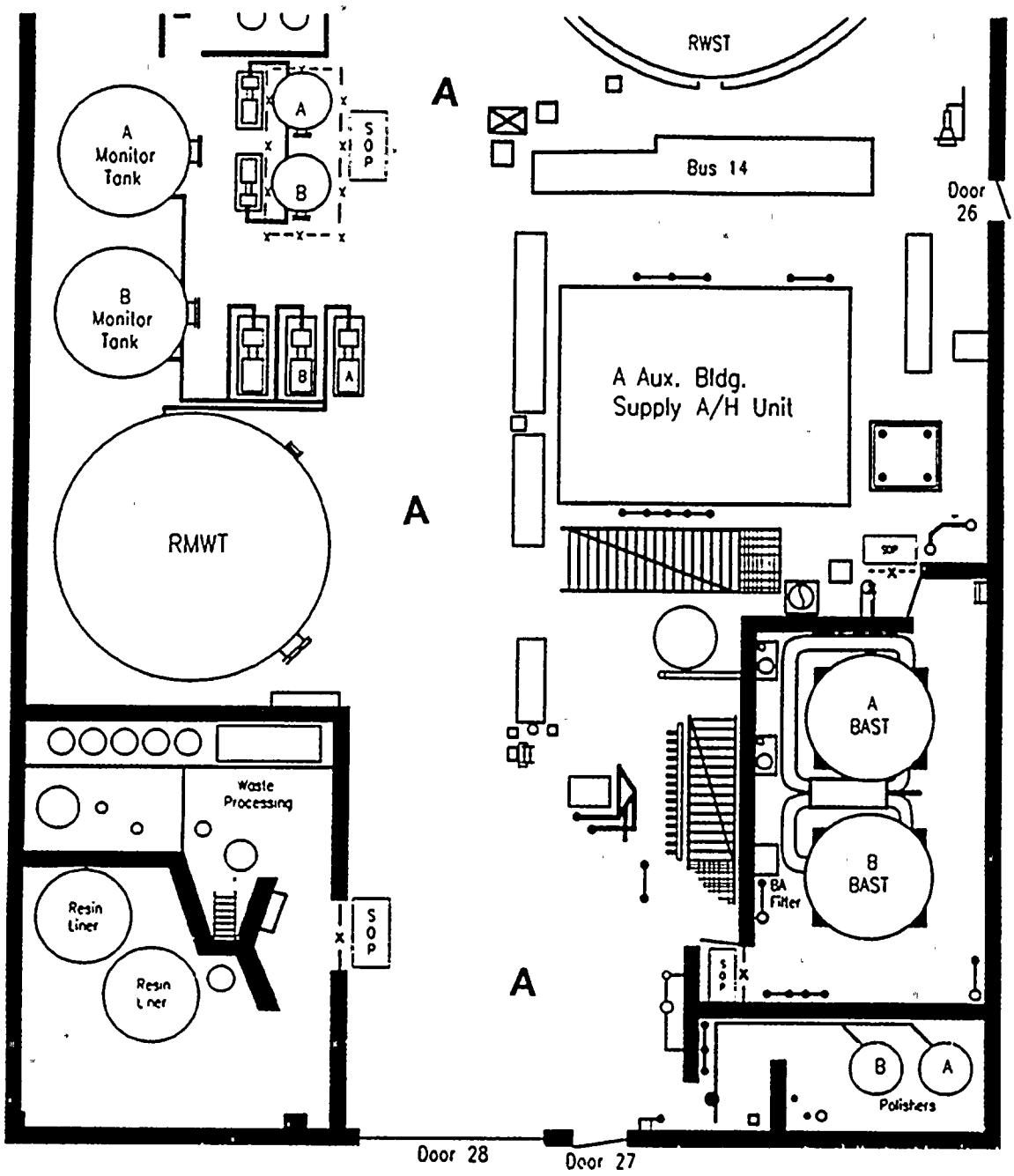
Auxiliary Building Operating Level - East End

A= 0.10 mR/hr
<500 dpm/100cm2

Date: 10/8/92 Time: 0700 - 1400

Serial #'s: ____/____ Power: ____ LLD: ____

Note: All readings are in mr/hr unless otherwise noted.



No.	dpm/100cm2

(#) = Smear Location
= Radiation Level
#c = Contact Reading
-x--x- = Rad/Cont. Barrier
(#) = Neutron Radiation Level

Technician Remarks: Airborne Activity (uCi/cc)
Iodine = <1E-11 . Particle = <1E-10.

* = Cont. Area
(*) = High Cont. Area
\+ = Radiation Area
(+) = High Rad. Area
[+] = Locked High Rad. Area

R.E.GINNA STATION

Auxiliary Building Intermediate Level - East End

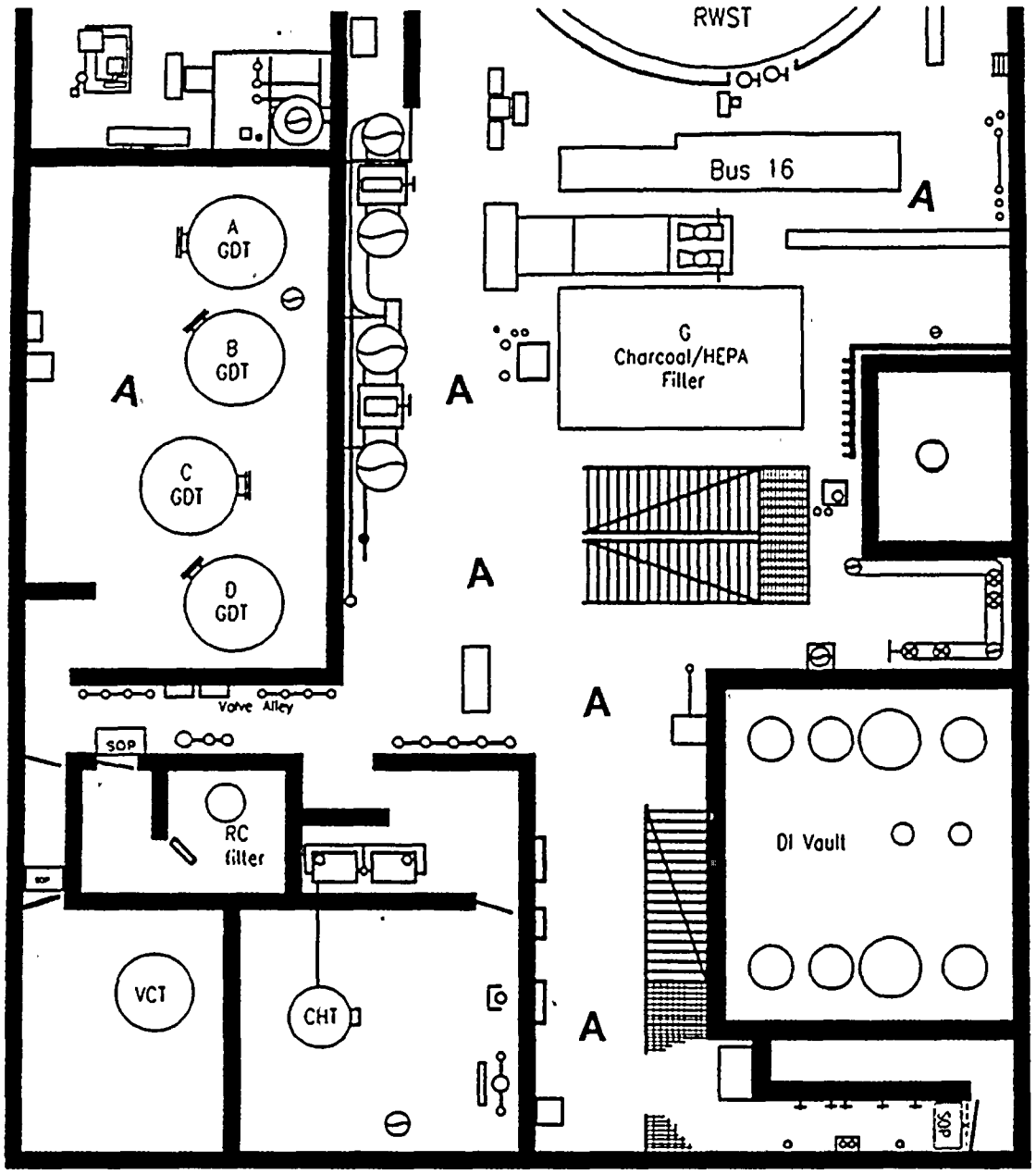
A= 0.10 mR/hr
<500 dpm/100cm2

Date: 10/8/92 Time: 0700-1400

Serial #'s: ____/____ Power: ____ LLD: ____

Note: All readings are in mr/hr unless otherwise noted.

No.	dpm/100cm2



(#) = Smear Location
= Radiation Level
#c = Contact Reading
-x--x- = Rad/Cont. Barrier
(#) = Neutron Radiation Level

Technician Remarks: Airborne Activity (uCi/cc)
Iodine = <1E-11, Particulate = <1E-10

= Cont. Area
= High Cont. Area
= Radiation Area
= High Rad. Area
= Locked High Rad. Area

R.E.GINNA STATION | **Auxiliary Building Basement Level - East End**

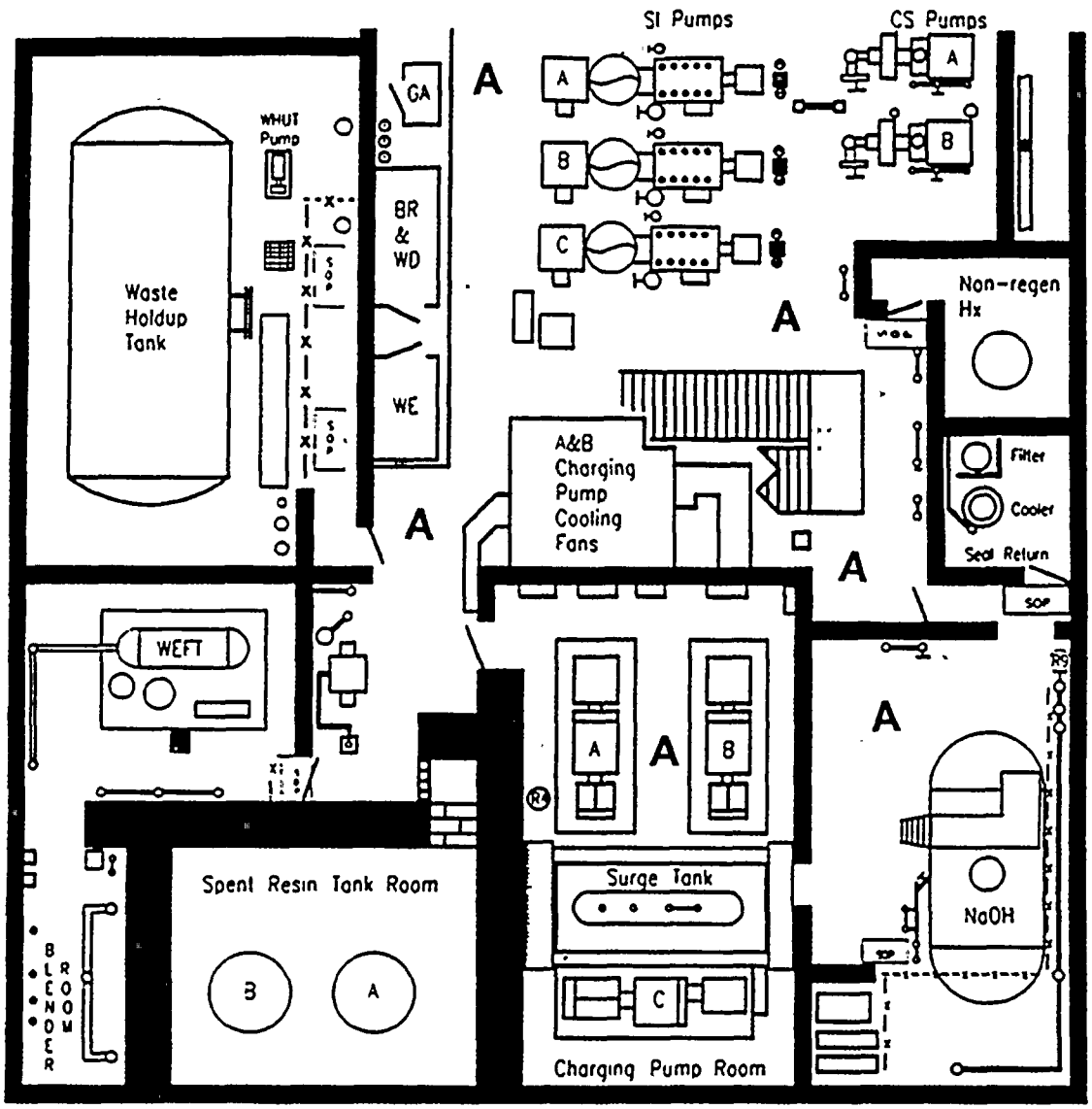
A= 0.10 mR/hr
<500 dpm/100cm2

Date: 10/8/92 Time: 0700-0915

Serial #'s: ____/____ Power: ____ LLD: ____

Note: All readings are in mr/hr unless otherwise noted.

No.	dpm/100cm2



(#) = Smear Location
= Radiation Level
#c = Contact Reading
-x--x- = Rad/Cont. Barrier
(#) = Neutron Radiation Level

Technician Remarks: Airborne Activity uCi/cc
Iodine = <1E-11 , Particulate = <1E-10

• = Cont. Area
(•) = High Cont. Area
• = Radiation Area
(•) = High Rad. Area
[•] = Locked High Rad. Area

R.E.GINNA STATION

A=0.1 mR/hr
<500 dpm/100cm2
B=100 mR/hr
<500 dpm/100cm2

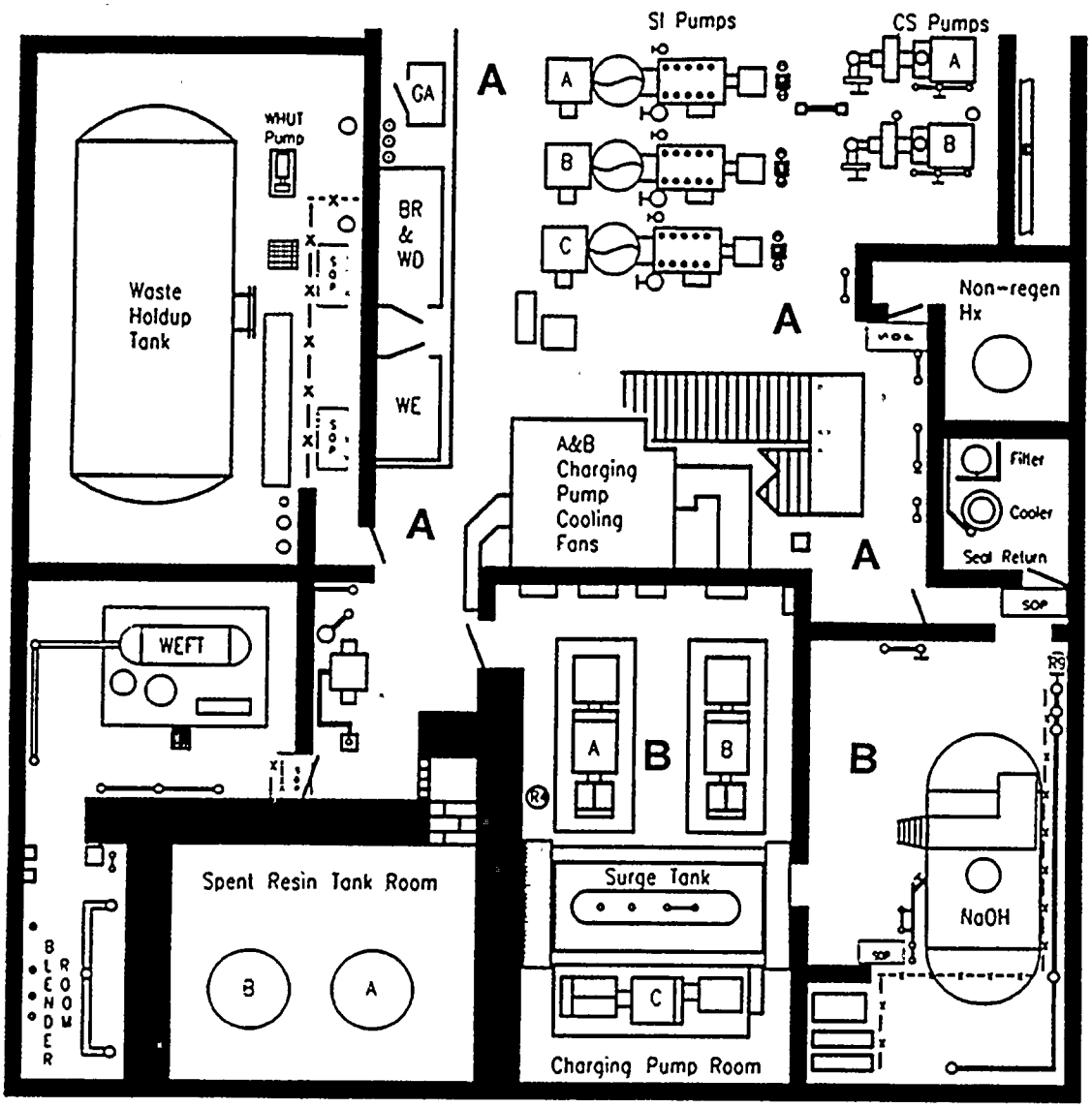
Auxiliary Building Basement Level - East End

Date: 10/8/92 Time: 0916 - 1400

Serial #'s: ____/____ Power: ____ LLD: ____

r/hr unless otherwise noted.

No.	dpm/100cm2



(#) = Smear Location -x--x- = Rad/Cont. Barrier
= Radiation Level (#) = Neutron Radiation Level
#c = Contact Reading

Technician Remarks: Airborne Activity (uCi/cc)
Iodine = <1E-11. Particulate = <1E-10

* = Cont. Area
(*) = High Cont. Area
+ = Radiation Area
(+) = High Rad. Area
[+] = Locked High Rad. Area

SECTION 9.3

IN-PLANT AND POST-ACCIDENT SAMPLING RESULTS

TABLE 9.2A

REACTOR COOLANT SYSTEM
Radioactive Gasses and Iodines
(Collection between 07:00 - 09:15)

Nuclide	Concentration (µCi/gm) Corrected to time of Shutdown
Kr-85m	2.88E-02
Kr-87	4.02E-02
Kr-88	4.66E-02
Xe-133	7.51E-01
Xe-135	1.10E-01
Xe-135m	3.72E-02
Xe-138	1.43E-01
Rb-88	2.62E-02
Gas Total	**1.16E+00**
I-131	3.20E-02
I-132	1.05E-01
I-133	4.18E-02
I-134	1.51E-01
I-135	7.55E-02
Iodine Total	**4.05E-01**
I-131 Dose Equivalent	**4.7E-02**

TABLE 9.2B

REACTOR COOLANT SYSTEM
Radioactive Gasses and Iodines
(Collection between 09:16 - 14:00)

RCS Gas Sample

Nuclide	Concentration (µCi/gm) Corrected to time of Shutdown
Kr-85m	2.88E-01
Kr-87	4.02E-01
Kr-88	4.66E-01
Xe-133	7.51E+00
Xe-135	1.10E+00
Xe-135m	3.72E-01
Xe-138	1.43E+00
Rb-88	2.62E-01
Gas Total	**1.16E+01**

RCS Gas Sample Dose Rate (based on 35cc sample)
1 meter = 0.195 mR/hr
1 foot = 2.44 mR/hr
On contact = 1.95 R/hr

RCS Liquid Sample

Nuclide	Concentration (µCi/gm) Corrected to time of Shutdown
I-131	2.72E-01
I-132	1.76E-01
I-133	1.65E-01
I-134	1.51E-01
I-135	1.53E-01
Iodine Total	**9.17E-01**
I-131 Dose Equiv	**3.10E-01**

RCS Liquid Sample Dose Rate (based on 12cc sample)
1 meter = <0.01 mR/hr
1 foot = 0.06 mR/hr
On contact = 52.8 mR/hr

TABLE 9.3A

STEAM GENERATOR
(Collection between 07:00 - 09:15)

Nuclide	Concentration (μCi/gm) Corrected to time of Shutdown "A"	"B"
I-131	3.78E-05	1.62E-07
I-132	1.35E-05	6.33E-07
I-133	4.65E-05	1.03E-06
I-134	1.56E-04	5.85E-07
I-135	8.73E-05	1.22E-06
Cs-134	3.27E-06	4.64E-08
Cs-137	2.96E-06	7.20E-08
TOTAL ACTIVITY	**3.47E-04**	**3.75E-06**

Sample Dose Rates (based upon 3500cc sample)

	"A"	"B"
1 meter	<0.01 mR/hr	<0.01 mR/hr
1 foot	<0.01 mR/hr	<0.01 mR/hr
On contact	5.83 mR/hr	<0.01 mR/hr

TABLE 9.3B

STEAM GENERATOR
(Collection between 09:16 - 13:00)

Nuclide	Concentration (µCi/gm) Corrected to time of Shutdown "A"	"B"
I-131	2.8E-02	5.93E-05
I-132	1.8E-02	5.38E-06
I-134	1.7E-02	2.56E-05
I-135	1.5E-02	----------
Cs-134	1.5E-02	3.13E-06
Cs-137	2.9E-04	1.87E-05
TOTAL ACTIVITY	**9.33E-02**	**1.12E-04**

Sample Dose Rates (based upon 1000cc sample)

	"A"	"B"
1 meter	0.045 mR/hr	<0.01 mR/hr
1 foot	0.56 mR/hr	<0.01 mR/hr
On contact	449 mR/hr	0.538 mR/hr

TABLE 9.4A

AIR EJECTOR

(Sample collection between 07:00 - 09:15)

Nuclide	Concentration (μCi/gm) Corrected to time of Shutdown
Kr-85m	5.59E-03
Kr-87	5.26E-03
Kr-88	9.21E-03
Xe-131m	1.38E-02
Xe-133	9.87E-02
Xe-133m	2.40E-03
Xe-135	3.95E-02
Xe-135m	6.25E-03
Xe-138	2.67E-02
TOTAL GAS	**2.07E-01**

35cc Sample

Dose Rate on contact = 35 mR/hr
Dose Rate at 1 foot= 0.04 mR/hr
Dose Rate at 1 meter = <0.01 mR/hr

Flowrate = 0.21 cfm

TABLE 9.4B

AIR EJECTOR
(Sample collection between 09:16 - 09:35)

Nuclide	Concentration (μCi/gm) Corrected to time of Shutdown
Kr-85	3.72E-02
Kr-85m	1.18E+00
Kr-87	5.06E-01
Kr-88	1.91E+00
Xe-131m	4.53E-01
Xe-133	3.96E+01
Xe-133m	4.76E+00
Xe-135	4.73E+00
Xe-135m	1.73E+00
Xe-138	5.97E+00
TOTAL GAS	**5.65E+01**

Dose Rate on contact = 1.0E+04 mR/hr*

Dose Rate at 1 foot = 11 mR/hr*

Dose Rate at 1 meter = 1 mR/hr*

* assumes a 35 cc sample

TABLE 9.4C

AIR EJECTOR

(Sample collection between 09:36 - 09:55)

Nuclide	Concentration (µCi/gm) Corrected to time of Shutdown
Kr-85	4.87E-03
Kr-85m	1.55E-01
Kr-87	6.62E-02
Kr-88	2.50E-01
Xe-131m	5.93E-02
Xe-133	4.03E+00
Xe-133m	5.97E-01
Xe-135	5.93E-01
Xe-135m	2.00E-01
Xe-138	7.68E-01
TOTAL GAS	**6.72E+00**

Dose Rate on contact = 1.1E+03 mR/hr

Dose Rate at 1 foot = 1.2 mR/hr

Dose Rate at 1 meter = 0.1 mR/hr

TABLE 9.4D

AIR EJECTOR

(Sample collection between 09:56 - 14:00)

Nuclide	Concentration (μCi/gm) Corrected to time of Shutdown
Kr-85	1.92E-09
Kr-85m	6.10E-08
Kr-87	2.61E-08
Kr-88	9.85E-08
Xe-131m	2.34E-08
Xe-133	1.59E-06
Xe-133m	2.35E-07
Xe-135	2.34E-07
Xe-135m	2.20E-07
Xe-138	3.03E-07
TOTAL GAS	**2.79E-06**

Dose Rate on contact = <0.01 mR/hr

Dose Rate at 1 foot = <0.01 mR/hr

Dose Rate at 1 meter = <0.01 mR/hr

TABLE 9.5A

COMPONENT COOLING WATER (CCW) SYSTEM
(Collection between 08:30 - 14:00)

Activity = 2.51E-05 μCi/gm

Chromates = 154 ppm

pH = 8.0

TABLE 9.5B

WASTE HOLD UP TANK (WHUT)
(Collection between 08:30 - 14:00)

Activity = 2.3E-05 μCi/gm

Chromates = 20 ppm

pH = 6.7

TABLE 9.6

CONTAINMENT HYDROGEN CONCENTRATION

Time	Hydrogen (VOL.%)
06:30-14:00	0.0

TABLE 9.7

Reactor Coolant System (RCS) and Containment Sump Boron/pH Data

Sample	Time	ppm Boron	pH
RCS	06:45-09:15	571	6.8
RCS	09:16-09:30	2097	5.1
RCS	09:31-14:00	2207	4.7
Sump	06:45-14:00	< 10	7.5

TABLE 9.8

CONTINUOUS AIR MONITOR READINGS IN AUXILIARY BUILDING

(READINGS IN COUNTS PER MINUTE)

0630-1130 hrs:	GAS	IODINE	PARTICULATE
TOP FLOOR	50	100	100
INTERMEDIATE FLOOR	50	100	100
BASEMENT FLOOR	100	200	200
09:16 - 10:00 hrs:			
TOP FLOOR	100	200	200
INTERMEDIATE FLOOR	50	100	100
BASEMENT FLOOR	100	200	200
10:01 - 14:00 hrs:			
TOP FLOOR	50	200	200
INTERMEDIATE FLOOR	50	100	100
BASEMENT FLOOR	100	200	200

TABLE 9.9

AIR SAMPLE RESULTS IN TSC AND CONTROL ROOM

(Readings in Counts per Minute)

07:00 - 09:15 hrs:	IODINE	PARTICULATE	BACKGROUND
TSC	50	50	50
CONTROL ROOM	50	50	50
09:16 - 10:00 hrs:			
TSC	80	50	50
CONTROL ROOM	80	50	50
10:01 - 14:00 hrs:			
TSC	50	50	50
CONTROL ROOM	50	50	50

METEOROLOGICAL ASSUMPTIONS

SECTION 10.0

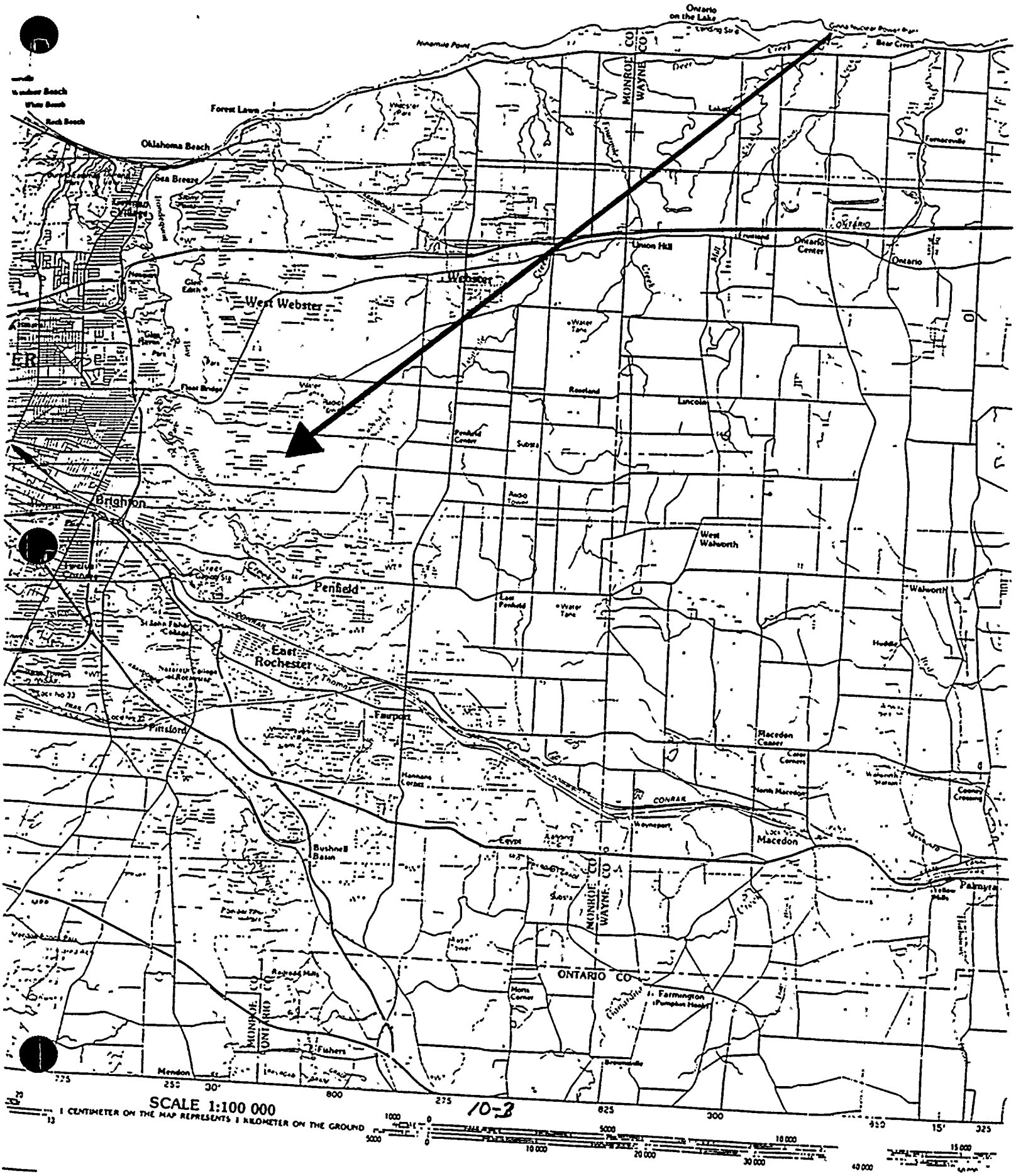
METEOROLOGICAL AND OFFSITE RADIOLOGICAL DATA

SECTION 10.1

METEOROLOGICAL DATA

(PLUME DIRECTION, WEATHER FORECASTS AND TOWER DATA)

FIGURE 10.1 DIRECTION OF THE PLUME



10.1 Meteorological Conditions

A. Basis

The meteorological conditions for this scenario were based upon historical meteorological data recorded by the Ginna primary weather tower and the National Weather Service on August 22, 1988. Minor editting was performed on the data to provide the wind direction and atmospheric stability conditions required by the scenario during the period of release.

National Weather Service and other Exercise controllers will provide Exercise participants weather forecast summaries based on the meteorological data and other supporting information available from the historical record. The goal of this approach is to provide participants with more realistic forecast information.

B. Scenario Assumptions

The scenario begins with light, southerly winds which shift and become northeasterly by mid-morning.

During the period of release due to the Steam Generator Tube Rupture (0915-0955 hr), the average meteorological conditions are as follows:

Wind Speed = 5 mph (at 33 ft)

Wind Direction = 50 degrees (at 33 ft; wind from)

Pasquill Stability = E

TABLE 10.1

WEATHER FORECAST INFORMATION

OCTOBER 8, 1992 7:30 AM - 3:00 PM

LAKE ONTARIO FORECAST :

TODAY: SOUTHERLY WINDS WILL BE SHIFTING NORTHEASTERLY BY MID-MORNING. TEMPERATURES EXPECTED IN THE MID-TO UPPER 60'S. WINDS WILL REMAIN FROM THE NORTHEAST AT 5 MPH THROUGHOUT THE REMAINDER OF THE AFTERNOON.

NOTE: SUPPLEMENTAL FORECAST INFORMATION TO BE PROVIDED BY NATIONAL WEATHER SERVICE CONTROLLER AT THE FOLLOWING TELEPHONE NUMBER:

(716) 328-7633,

OR BY DESIGNATED NYS CONTROLLER IN ALBANY.

PRINTOUTS FROM GINNA PRIMARY MET. TOWER

(15-MINUTE AVERAGES)

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

10/8/92 06:45 RECORD NUMBER 3974 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	3.6	MPH	0	0.9	2.8	7.0
SPD 33B	3.3	MPH	0	0.8	2.3	6.8
SPD 150A	4.5	MPH	0	0.9	2.7	6.9
SPD 150B	57.1	MPH	0	0.0	57.0	57.2
SPD 250	7.1	MPH	0	0.4	13.2	15.1
DIR 33A	197.0	DEG	0	9.0	178.0	232.0
DIR 33B	196.0	DEG	0	9.0	179.0	225.0
DIR150A	174.0	DEG	0	3.0	166.0	183.0
DIR150B	56.0	DEG	0	0.0	55.0	57.0
DIR250	198.0	DEG	0	10.0	174.0	230.0
TER 33A	48.8	F	0			
TER 33B	48.7	F	0			
TER150A	49.2	F	0			
TER150B	51.4	F	0			
TER250A	55.2	F	0			
DT150-33A	2.6	F/	0			
DT150-33B	2.4	F/	0			
DT250-33A	6.5	F/	0			
DT250-33B	6.0	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

10/8/92 07:00 RECORD NUMBER 3975 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	3.7	MPH	0	0.9	2.8	7.0
SPD 33B	3.8	MPH	0	0.8	2.3	6.8
SPD 150A	4.7	MPH	0	0.9	2.7	6.9
SPD 150B	57.1	MPH	0	0.0	57.0	57.2
SPD 250	6.1	MPH	0	0.4	13.2	15.1
DIR 33A	209.0	DEG	0	11.0	183.0	247.0
DIR 33B	195.0	DEG	0	7.0	197.0	295.0
DIR150A	174.0	DEG	0	3.0	166.0	183.0
DIR150B	56.0	DEG	0	0.0	55.0	57.0
DIR250	188.0	DEG	0	9.0	184.0	230.0
TER 33A	52.9	F	0			
TER 33B	53.3	F	0			
TER150A	53.3	F	0			
TER150B	53.6	F	0			
TER250A	55.4	F	0			
DT150-33A	5.0	F/	0			
DT150-33B	3.0	F/	0			
DT250-33A	2.5	F/	0			
DT250-33B	2.0	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

10/8/92 07:15 RECORD NUMBER 3976 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	3.8	MPH	0	0.9	2.8	7.0
SPD 33B	3.9	MPH	0	0.8	2.3	6.8
SPD 150A	4.8	MPH	0	0.9	2.7	6.9
SPD 150B	57.1	MPH	0	0.0	57.0	57.2
SPD 250	7.2	MPH	0	0.4	13.2	15.1
DIR 33A	193.0	DEG	0	9.0	172.0	229.0
DIR 33B	197.0	DEG	0	7.0	197.0	295.0
DIR150A	184.0	DEG	0	3.0	166.0	183.0
DIR150B	56.0	DEG	0	0.0	55.0	57.0
DIR250	188.0	DEG	0	1.0	154.0	160.0
TER 33A	52.9	F	0			
TER 33B	53.3	F	0			
TER150A	53.3	F	0			
TER150B	53.6	F	0			
TER250A	55.5	F	0			
DT150-33A	0.4	F/	0			
DT150-33B	0.3	F/	0			
DT250-33A	2.5	F/	0			
DT250-33B	2.3	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

10/8/92 07:30 RECORD NUMBER 3977 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	3.6	MPH	0	0.9	2.8	7.0
SPD 33B	3.3	MPH	0	0.8	2.3	6.8
SPD 150A	4.5	MPH	0	0.9	2.7	6.9
SPD 150B	57.1	MPH	0	0.0	57.0	57.2
SPD 250	7.1	MPH	0	0.4	13.2	15.1
DIR 33A	202.0	DEG	0	9.0	172.0	229.0
DIR 33B	195.0	DEG	0	7.0	197.0	295.0
DIR150A	174.0	DEG	0	3.0	166.0	183.0
DIR150B	56.0	DEG	0	0.0	55.0	57.0
DIR250	158.0	DEG	0	1.0	154.0	160.0
TER 33A	53.0	F	0			
TER 33B	53.1	F	0			
TER150A	53.4	F	0			
TER150B	53.5	F	0			
TER250A	55.5	F	0			
DT150-33A	0.4	F/	0			
DT150-33B	0.5	F/	0			
DT250-33A	2.5	F/	0			
DT250-33B	2.7	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

10/8/92 07:45 RECORD NUMBER 3978 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	3.8	MPH	0	0.9	2.8	7.0
SPD 33B	3.9	MPH	0	0.8	2.3	6.8
SPD 150A	4.8	MPH	0	0.9	2.7	6.9
SPD 150B	57.1	MPH	0	0.0	57.0	57.2
SPD 250	7.2	MPH	0	0.4	13.2	15.1
DIR 33A	215.0	DEG	0	11.0	184.0	242.0
DIR 33B	198.0	DEG	0	11.0	197.0	255.0
DIR150A	201.0	DEG	0	13.0	175.0	238.0
DIR150B	56.0	DEG	0	0.0	55.0	57.0
DIR250	158.0	DEG	0	1.0	154.0	160.0
TER 33A	53.5	F	0			
TER 33B	53.7	F	0			
TER150A	53.5	F	0			
TER150B	53.6	F	0			
TER250A	55.6	F	0			
DT150-33A	0.0	F/	0			
DT150-33B	0.0	F/	0			
DT250-33A	2.1	F/	0			
DT250-33B	1.9	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

10/8/92 08:00 RECORD NUMBER 3979 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	3.6	MPH	0	0.9	2.8	7.0
SPD 33B	3.5	MPH	0	0.8	2.3	6.8
SPD 150A	4.7	MPH	0	0.9	2.7	6.9
SPD 150B	57.1	MPH	0	0.0	57.0	57.2
SPD 250	7.1	MPH	0	0.4	13.2	15.1
DIR 33A	222.0	DEG	0	13.0	186.0	268.0
DIR 33B	230.0	DEG	0	7.0	197.0	295.0
DIR150A	202.0	DEG	0	3.0	179.0	230.0
DIR150B	56.0	DEG	0	0.0	55.0	57.0
DIR250	168.0	DEG	0	3.0	154.0	180.0
TER 33A	57.7	F	0			
TER 33B	57.7	F	0			
TER150A	57.9	F	0			
TER150B	57.9	F	0			
TER250A	58.0	F	0			
DT150-33A	0.2	F/	0			
DT150-33B	0.2	F/	0			
DT250-33A	0.3	F/	0			
DT250-33B	0.1	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

10/8/92 08:15 RECORD NUMBER 3980 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	3.6	MPH	0	0.9	2.8	7.0
SPD 33B	3.3	MPH	0	0.8	2.3	6.8
SPD 150A	4.5	MPH	0	0.9	2.7	6.9
SPD 150B	57.1	MPH	0	0.0	57.0	57.2
SPD 250	7.1	MPH	0	0.4	13.2	15.1
DIR 33A	194.0	DEG	0	9.0	172.0	229.0
DIR 33B	195.0	DEG	0	7.0	197.0	295.0
DIR150A	174.0	DEG	0	3.0	166.0	183.0
DIR150B	56.0	DEG	0	0.0	55.0	57.0
DIR250	158.0	DEG	0	1.0	154.0	160.0
'ER 33A	58.7	F	0			
TER 33B	58.7	F	0			
TER150A	57.9	F	0			
TER150B	58.1	F	0			
TER250A	58.0	F	0			
DT150-33A	0.8	F/	0			
DT150-33B	-0.8	F/	0			
DT250-33A	-0.7	F/	0			
DT250-33B	-0.7	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

10/8/92 08:30 RECORD NUMBER 3981 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	2.6	MPH	0	1.2	3.0	9.7
SPD 33B	2.5	MPH	0	0.9	3.7	8.7
SPD 150A	3.7	MPH	0	2.0	3.0	11.0
SPD 150B	57.2	MPH	0	0.0	57.1	57.2
SPD 250	3.5	MPH	0	3.0	12.7	14.4
DIR 33A	47.0	DEG	0	3.0	108.0	312.0
DIR 33B	42.0	DEG	0	8.0	110.0	300.0
DIR150A	65.0	DEG	0	14.0	5.0	153.0
DIR150B	55.0	DEG	0	0.0	54.0	56.0
DIR250	64.0	DEG	0	3.0	15.0	141.0
TER 33A	59.6	F	0			
TER 33B	59.6	F	0			
TER150A	58.8	F	0			
TER150B	58.8	F	0			
TER250A	58.9	F	0			
DT150-33A	-0.8	F/	0			
DT150-33B	-0.8	F/	0			
DT250-33A	-0.7	F/	0			
DT250-33B	-0.7	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

10/8/92 08:45 RECORD NUMBER 3982 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	3.8	MPH	0	0.8	2.3	7.7
SPD 33B	3.6	MPH	0	0.9	2.6	7.2
SPD 150A	5.0	MPH	0	1.0	2.2	7.5
SPD 150B	57.2	MPH	0	0.0	57.1	57.3
SPD 250	7.7	MPH	0	0.9	8.6	13.6
DIR 33A	79.0	DEG	0	15.0	44.0	118.0
DIR 33B	82.0	DEG	0	14.0	40.0	128.0
DIR150A	85.0	DEG	0	6.0	145.0	178.0
DIR150B	56.0	DEG	0	0.0	55.0	56.0
DIR250	79.0	DEG	0	3.0	144.0	167.0
TER 33A	59.8	F	0			
TER 33B	59.8	F	0			
TER150A	59.4	F	0			
TER150B	59.4	F	0			
TER250A	59.0	F	0			
DT150-33A	-0.4	F/	0			
DT150-33B	-0.4	F/	0			
DT250-33A	-0.8	F/	0			
DT250-33B	-0.8	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

10/8/92 09:00 RECORD NUMBER 3983 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	3.1	MPH	0	0.9	2.9	7.3
SPD 33B	3.0	MPH	0	0.7	3.4	6.8
SPD 150A	5.2	MPH	0	0.7	3.4	6.9
SPD 150B	57.3	MPH	0	0.0	57.2	57.4
SPD 250	9.5	MPH	0	1.0	6.4	11.1
DIR 33A	52.0	DEG	0	3.0	35.0	126.0
DIR 33B	54.0	DEG	0	4.0	30.0	130.0
DIR150A	55.0	DEG	0	3.0	36.0	121.0
DIR150B	56.5	DEG	0	0.0	54.0	56.0
DIR250	57.0	DEG	0	5.0	35.0	129.0
TER 33A	59.9	F	0			
TER 33B	59.9	F	0			
TER150A	59.9	F	0			
TER150B	59.9	F	0			
TER250A	59.3	F	0			
DT150-33A	0.0	F/	0			
DT150-33B	0.0	F/	0			
DT250-33A	-0.6	F/	0			
DT250-33B	-0.6	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

10/8/92 09:15 RECORD NUMBER 3984 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	3.8	MPH	0	1.0	2.0	7.0
SPD 33B	3.8	MPH	0	1.0	2.1	7.1
SPD 150A	4.9	MPH	0	1.0	2.2	7.2
SPD 150B	57.3	MPH	0	0.0	57.2	57.4
SPD 250	7.5	MPH	0	1.1	4.5	9.8
DIR 33A	50.0	DEG	0	19.0	10.0	96.0
DIR 33B	51.4	DEG	0	18.0	10.0	93.0
DIR150A	52.0	DEG	0	10.0	11.0	90.0
DIR150B	53.0	DEG	0	0.0	54.0	56.0
DIR250	54.0	DEG	0	8.0	135.0	178.0
TER 33A	60.7	F	0			
TER 33B	61.2	F	0			
TER150A	60.7	F	0			
TER150B	60.7	F	0			
TER250A	60.7	F	0			
DT150-33A	0.0	F/	0			
DT150-33B	0.0	F/	0			
DT250-33A	0.0	F/	0			
DT250-33B	-0.5	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

10/8/92 09:30 RECORD NUMBER 3985 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	4.1	MPH	0	1.3	2.2	7.6
SPD 33B	4.2	MPH	0	1.1	2.7	7.7
SPD 150A	5.1	MPH	0	1.3	2.2	7.5
SPD 150B	57.0	MPH	0	0.4	56.3	57.4
SPD 250	7.4	MPH	0	1.5	3.1	10.7
DIR 33A	50.4	DEG	0	9.0	55.0	291.0
DIR 33B	51.0	DEG	0	14.0	35.0	319.0
DIR150A	49.0	DEG	0	14.0	174.0	311.0
DIR150B	52.0	DEG	0	5.0	54.0	69.0
DIR250	55.0	DEG	0	16.0	166.0	282.0
TER 33A	60.7	F	0			
TER 33B	60.7	F	0			
TER150A	60.3	F	0			
TER150B	60.3	F	0			
TER250A	60.6	F	0			
DT150-33A	-0.4	F/	0			
DT150-33B	-0.4	F/	0			
DT250-33A	0.0	F/	0			
DT250-33B	-0.1	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

10/8/92 09:45 RECORD NUMBER 3986 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	4.9	MPH	0	1.3	0.6	8.3
SPD 33B	4.8	MPH	0	1.2	2.0	8.2
SPD 150A	4.8	MPH	0	1.3	1.9	8.3
SPD 150B	5.7	MPH	0	0.1	56.3	56.9
SPD 250	6.9	MPH	0	1.2	3.6	9.5
DIR 33A	49.0	DEG	0	17.0	97.0	334.0
DIR 33B	49.9	DEG	0	14.0	52.0	333.0
DIR150A	55.0	DEG	0	11.0	68.0	8.0
DIR150B	56.0	DEG	0	3.0	57.0	68.0
DIR250	54.0	DEG	0	10.0	163.0	355.0
TER 33A	61.3	F	0			
TER 33B	61.6	F	0			
TER150A	62.0	F	0			
TER150B	62.0	F	0			
TER250A	61.3	F	0			
DT150-33A	0.7	F/	0			
DT150-33B	0.7	F/	0			
DT250-33A	0.0	F/	0			
DT250-33B	-0.4	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

10/8/92 10:00 RECORD NUMBER 3987 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	5.0	MPH	0	1.4	2.5	9.1
SPD 33B	5.1	MPH	0	1.5	2.4	9.0
SPD 150A	5.2	MPH	0	1.5	2.5	9.1
SPD 150B	57.0	MPH	0	0.0	56.9	57.1
SPD 250	6.1	MPH	0	2.0	11.0	96.0
DIR 33A	55.0	DEG	0	13.0	40.0	135.0
DIR 33B	58.0	DEG	0	14.0	35.0	146.0
DIR150A	61.0	DEG	0	13.0	42.0	137.0
DIR150B	65.0	DEG	0	1.0	53.0	57.0
DIR250	69.0	DEG	0	12.0	46.0	134.0
TER 33A	61.3	F	0			
TER 33B	61.7	F	0			
TER150A	62.5	F	0			
TER150B	62.6	F	0			
TER250A	61.4	F	0			
DT150-33A	1.2	F/	0			
DT150-33B	1.3	F/	0			
DT250-33A	0.1	F/	0			
DT250-33B	-0.4	F/	0			
PRECIPITATION	1.08	INCH	0	0:00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

10/8/92 10:15 RECORD NUMBER 3988 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	4.9	MPH	0	1.4	0.6	6.9
SPD 33B	4.8	MPH	0	1.4	0.5	6.6
SPD 150A	4.8	MPH	0	1.3	0.6	6.4
SPD 150B	51.1	MPH	0	0.0	57.0	57.1
SPD 250	6.6	MPH	0	1.8	1.0	9.1
DIR 33A	80.0	DEG	0	14.0	30.0	141.0
DIR 33B	81.0	DEG	0	13.0	31.0	146.0
DIR150A	72.0	DEG	0	12.0	32.0	139.0
DIR150B	54.0	DEG	0	0.0	53.0	55.0
DIR250	77.0	DEG	0	10.0	54.0	128.0
TER 33A	61.3	F	0			
TER 33B	61.3	F	0			
TER150A	62.0	F	0			
TER150B	62.3	F	0			
TER250A	63.3	F	0			
DT150-33A	0.7	F/	0			
DT150-33B	2.0	F/	0			
DT250-33A	2.0	F/	0			
DT250-33B	2.1	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

10/8/92 10:30 RECORD NUMBER 3989 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	4.8	MPH	0	1.3	1.1	6.9
SPD 33B	4.9	MPH	0	1.3	1.4	7.9
SPD 150A	7.9	MPH	0	1.3	5.0	9.0
SPD 150B	57.1	MPH	0	0.0	57.0	57.2
SPD 250	7.8	MPH	0	0.5	0.8	9.2
DIR 33A	81.0	DEG	0	12.0	41.0	140.0
DIR 33B	79.0	DEG	0	13.0	37.0	148.0
DIR150A	86.0	DEG	0	16.0	39.0	162.0
DIR150B	53.0	DEG	0	0.0	53.0	54.0
DIR250	89.0	DEG	0	14.0	27.0	156.0
TER 33A	61.3	F	0			
TER 33B	61.3	F	0			
TER150A	62.2	F	0			
TER150B	62.2	F	0			
TER250A	63.0	F	0			
DT150-33A	1.0	F/	0			
DT150-33B	1.1	F/	0			
DT250-33A	2.3	F/	0			
DT250-33B	2.2	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

10/8/92 10:45 RECORD NUMBER 3990 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	5.2	MPH	0	1.0	2.8	8.5
SPD 33B	6.2	MPH	0	1.3	3.1	9.4
SPD 150A	5.5	MPH	0	1.3	2.5	9.0
SPD 150B	57.2	MPH	0	0.0	57.1	57.2
SPD 250	5.1	MPH	0	1.3	2.4	8.2
DIR 33A	79.0	DEG	0	14.0	36.0	127.0
DIR 33B	77.0	DEG	0	12.0	35.0	139.0
DIR150A	79.0	DEG	0	9.0	48.0	122.0
DIR150B	53.0	DEG	0	0.0	52.0	54.0
DIR250	77.0	DEG	0	11.0	32.0	144.0
TER 33A	61.4	F	0			
TER 33B	61.4	F	0			
TER150A	62.5	F	0			
TER150B	62.4	F	0			
TER250A	63.5	F	0			
DT150-33A	1.1	F/	0			
DT150-33B	1.0	F/	0			
DT250-33A	2.1	F/	0			
DT250-33B	2.1	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

10/8/92 11:00 RECORD NUMBER 3991 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	4.8	MPH	0	1.4	1.2	7.4
SPD 33B	5.1	MPH	0	1.4	1.5	7.6
SPD 150A	2.8	MPH	0	1.6	1.6	6.0
SPD 150B	57.2	MPH	0	0.0	57.1	57.2
SPD 250	5.1	MPH	0	1.3	2.4	8.2
DIR 33A	79.0	DEG	0	13.0	28.0	130.0
DIR 33B	80.0	DEG	0	14.0	39.0	153.0
DIR150A	79.0	DEG	0	14.0	26.0	111.0
DIR150B	33.0	DEG	0	0.0	52.0	54.0
DIR250	77.0	DEG	0	11.0	32.0	144.0
TER 33A	62.4	F	0			
TER 33B	62.4	F	0			
TER150A	63.3	F	0			
TER150B	63.3	F	0			
TER250A	64.9	F	0			
DT150-33A	0.9	F/	0			
DT150-33B	0.9	F/	0			
DT250-33A	2.4	F/	0			
DT250-33B	2.5	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

10/8/92 11:15 RECORD NUMBER 3992 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	5.6	MPH	0	1.6	2.4	10.0
SPD 33B	5.4	MPH	0	1.3	2.1	9.4
SPD 150A	5.1	MPH	0	1.3	2.2	9.5
SPD 150B	57.2	MPH	0	0.0	57.1	57.3
SPD 250	6.8	MPH	0	1.1	3.8	9.3
DIR 33A	80.0	DEG	0	14.0	37.0	144.0
DIR 33B	82.0	DEG	0	13.0	41.0	120.0
DIR150A	81.0	DEG	0	13.0	39.0	133.0
DIR150B	78.0	DEG	0	0.0	42.0	134.0
DIR250	69.0	DEG	0	11.0	32.0	129.0
TER 33A	62.5	F	0			
TER 33B	62.5	F	0			
TER150A	63.6	F	0			
TER150B	63.7	F	0			
TER250A	64.9	F	0			
DT150-33A	1.1	F/	0			
DT150-33B	1.2	F/	0			
DT250-33A	2.4	F/	0			
DT250-33B	2.5	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

10/8/92 11:30 RECORD NUMBER 3993 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	5.6	MPH	0	1.3	2.6	8.1
SPD 33B	5.7	MPH	0	1.2	2.6	8.0
SPD 150A	8.0	MPH	0	2.0	3.0	11.0
SPD 150B	57.2	MPH	0	0.0	57.2	57.3
SPD 250	6.5	MPH	0	1.3	4.3	9.7
DIR 33A	79.0	DEG	0	11.0	36.0	129.0
DIR 33B	80.0	DEG	0	11.0	37.0	138.0
DIR150A	79.0	DEG	0	6.0	53.7	116.0
DIR150B	54.0	DEG	0	0.0	53.0	55.0
DIR250	78.0	DEG	0	8.0	20.0	125.0
TER 33A	62.7	F	0			
TER 33B	62.7	F	0			
TER150A	63.9	F	0			
TER150B	63.9	F	0			
TER250A	64.8	F	0			
DT150-33A	1.2	F/	0			
DT150-33B	1.2	F/	0			
DT250-33A	2.5	F/	0			
DT250-33B	2.4	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

10/8/92 11:45 RECORD NUMBER 3994 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	6.2	MPH	0	1.5	2.2	9.8
SPD 33B	6.4	MPH	0	1.4	2.0	9.7
SPD 150A	6.6	MPH	0	1.3	2.5	9.5
SPD 150B	57.2	MPH	0	0.0	57.1	57.3
SPD 250	7.2	MPH	0	1.4	3.6	10.3
DIR 33A	76.0	DEG	0	15.0	15.0	115.0
DIR 33B	81.0	DEG	0	15.0	16.0	114.0
DIR150A	77.0	DEG	0	17.0	21.0	125.0
DIR150B	53.0	DEG	0	0.0	52.0	55.0
DIR250	70.0	DEG	0	9.0	20.0	114.0
TER 33A	65.0	F	0			
TER 33B	65.0	F	0			
TER150A	65.3	F	0			
TER150B	65.5	F	0			
TER250A	66.8	F	0			
DT150-33A	0.3	F/	0			
DT150-33B	0.5	F/	0			
DT250-33A	1.8	F/	0			
DT250-33B	1.9	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

10/8/92 12:00 RECORD NUMBER 3995 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	6.1	MPH	0	1.5	2.2	9.8
SPD 33B	6.2	MPH	0	1.4	2.0	9.7
SPD 150A	6.5	MPH	0	1.3	2.5	9.5
SPD 150B	57.2	MPH	0	0.0	57.1	57.3
SPD 250	7.0	MPH	0	1.4	3.6	10.3
DIR 33A	77.0	DEG	0	15.0	15.0	115.0
DIR 33B	80.0	DEG	0	15.0	16.0	114.0
DIR150A	78.0	DEG	0	17.0	21.0	125.0
DIR150B	53.0	DEG	0	0.0	52.0	55.0
DIR250	71.0	DEG	0	9.0	20.0	114.0
TER 33A	65.1	F	0			
TER 33B	65.0	F	0			
TER150A	65.3	F	0			
TER150B	65.5	F	0			
TER250A	66.8	F	0			
DT150-33A	0.3	F/	0			
DT150-33B	0.5	F/	0			
DT250-33A	1.8	F/	0			
DT250-33B	1.9	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

10/8/92 12:15 RECORD NUMBER 3996 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	6.5	MPH	0	1.5	2.2	9.8
SPD 33B	6.6	MPH	0	1.4	2.0	9.7
SPD 150A	6.7	MPH	0	1.3	2.5	9.5
SPD 150B	57.2	MPH	0	0.0	57.1	57.3
SPD 250	7.4	MPH	0	1.4	3.6	10.3
DIR 33A	77.0	DEG	0	15.0	15.0	115.0
DIR 33B	85.0	DEG	0	15.0	16.0	114.0
DIR150A	79.0	DEG	0	17.0	21.0	125.0
DIR150B	53.0	DEG	0	0.0	52.0	55.0
DIR250	79.0	DEG	0	9.0	20.0	114.0
TER 33A	66.0	F	0			
TER 33B	66.0	F	0			
TER150A	66.3	F	0			
TER150B	66.5	F	0			
TER250A	67.8	F	0			
DT150-33A	0.4	F/	0			
DT150-33B	0.5	F/	0			
DT250-33A	1.9	F/	0			
DT250-33B	1.8	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

10/8/92 12:30 RECORD NUMBER 3997 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	8.5	MPH	0	1.5	2.7	12.8
SPD 33B	8.6	MPH	0	1.4	3.0	12.7
SPD 150A	7.7	MPH	0	1.3	2.5	9.5
SPD 150B	57.2	MPH	0	0.0	57.1	57.3
SPD 250	7.4	MPH	0	1.4	3.6	10.3
DIR 33A	67.0	DEG	0	15.0	11.0	104.0
DIR 33B	65.0	DEG	0	14.0	11.0	103.0
DIR150A	69.0	DEG	0	15.0	12.0	115.0
DIR150B	53.0	DEG	0	0.0	52.0	55.0
DIR250	69.0	DEG	0	9.0	20.0	100.0
TER 33A	66.0	F	0			
TER 33B	66.0	F	0			
TER150A	66.3	F	0			
TER150B	66.5	F	0			
TER250A	67.8	F	0			
DT150-33A	0.4	F/	0			
DT150-33B	0.5	F/	0			
DT250-33A	1.9	F/	0			
DT250-33B	1.8	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER (IBM PC TERMINAL)

AV

10/8/92 12:45 RECORD NUMBER 3998 RG&E GINNA PLANT

SENSOR NAME	AVERAGE	UNIT	CODE	STDDEV	MIN	MAX
SPD 33A	8.7	MPH	0	1.5	2.7	12.8
SPD 33B	8.7	MPH	0	1.4	3.0	12.7
SPD 150A	7.9	MPH	0	1.3	2.5	9.5
SPD 150B	57.2	MPH	0	0.0	57.1	57.3
SPD 250	7.9	MPH	0	1.4	3.6	10.3
DIR 33A	65.0	DEG	0	15.0	11.0	104.0
DIR 33B	63.0	DEG	0	14.0	11.0	103.0
DIR150A	62.0	DEG	0	15.0	12.0	115.0
DIR150B	53.0	DEG	0	0.0	52.0	55.0
DIR250	66.0	DEG	0	9.0	20.0	100.0
TER 33A	66.0	F	0			
TER 33B	66.0	F	0			
TER150A	66.3	F	0			
TER150B	66.5	F	0			
TER250A	67.8	F	0			
DT150-33A	0.4	F/	0			
DT150-33B	0.5	F/	0			
DT250-33A	1.9	F/	0			
DT250-33B	1.8	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

SECTION 10.2

FIELD DATA AND MAPS

TABLE 10.2

PLUME ARRIVAL/DEPARTURE TIMES

DISTANCE (MI)	TABLE 10.3	TABLE 10.4	DEPARTURE**
0.5	09:21	09:42	10:01
1.0	09:27	09:48	10:07
2.0	09:39	10:00	10:19
3.0	09:51	10:12	10:31
4.0	10:03	10:24	10:43
5.0	10:15	10:36	10:55
6.0	10:27	10:48	11:07
7.0	10:39	11:00	11:19
8.0	10:51	11:12	11:31
9.0	11:03	11:24	11:43
10.0	11:15	11:36	11:55
11.0	11:27	11:48	12:07
12.0	11:39	12:00	12:19

NOTES:

* After indicated arrival time, refer to offsite radiological data shown on Tables 10.3 and 10.4 as appropriate for zone of interest.

** After indicated departure time, all dose rates (mr/hr) will be background. For ground deposition readings, refer to post-plume radiological data shown on Tables 10.5 and 10.6.

TABLE 10.3-A
RADIOLOGICAL SURVEY/SAMPLING DATA

(RG&E FIELD TEAMS)

ZONE	CLOSE WINDOW (mr/hr)		OPEN WINDOW (mr/hr)		DOSIMETRY INCREMENT EXPOSURE (mREM)	GROSS IODINE CARTRIDGE (CPM)	GROSS PARTIC. FILTER (CPM)
	3 FEET	CONTACT	3 FEET	CONTACT			
A	7.3	7.3	9.5	9.5	2	70	BKG
B	3.4	3.4	4.5	4.5	1	50	BKG
C	1.5	1.5	2.0	2.0	1	45	BKG
D	0.7	0.7	0.9	0.9	0	BKG	BKG
E	0.4	0.4	0.6	0.6	0	BKG	BKG
F	0.3	0.3	0.4	0.4	0	BKG	BKG
G	0.2	0.2	0.2	0.2	0	BKG	BKG
H	0.1	0.1	0.2	0.2	0	BKG	BKG
I	0.1	0.1	0.1	0.1	0	BKG	BKG

NOTES:

1. Dose rate readings apply to Victoreen 450 dose rate instrument or equivalent. Ensure that readings provided do not exceed range of survey instrument being used. Provide only those readings being requested, or in accordance with Controller instructions.

2. Dosimeter incremental exposure assumes a 15-minute stay-time in the particular zone of interest. Incremental values may be scaled up or down as appropriate. Provide cumulative dosimeter reading only when requested.

3. Air samples assume use of RADECO H-809C air sampler or equivalent. Volume assumed is approximately 180 liters (30 lpm for 6 minutes), and field reading is with HP-260.

4. BKG = Use actual background reading of survey instrument being used.

TABLE 10.3-B
RADIOLOGICAL SURVEY/SAMPLING DATA

(COUNTY TEAMS)

ZONE	CLOSE WINDOW (mr/hr)		OPEN WINDOW (mr/hr)		DOSIMETRY INCREMENT EXPOSURE (mREM)	GROSS IODINE CARTRIDGE (CPM)	GROSS PARTIC. FILTER (CPM)
	3 FEET	CONTACT	3 FEET	CONTACT			
A	7.3	7.3	9.5	9.5	2	90	BKG
B	3.4	3.4	4.5	4.5	1	60	BKG
C	1.5	1.5	2.0	2.0	1	50	BKG
D	0.7	0.7	0.9	0.9	0	BKG	BKG
E	0.4	0.4	0.6	0.6	0	BKG	BKG
F	0.3	0.3	0.4	0.4	0	BKG	BKG
G	0.2	0.2	0.2	0.2	0	BKG	BKG
H	0.1	0.1	0.2	0.2	0	BKG	BKG
I	0.1	0.1	0.1	0.1	0	BKG	BKG

NOTES:

1. Dose rate readings apply to Victoreen 450, CDV-715, RO-2 dose rate instrument or equivalent. Ensure that readings provided do not exceed range of survey instrument being used. Provide only those readings being requested, or in accordance with Controller instructions.

2. Dosimeter incremental exposure assumes a 15-minute stay-time in the particular zone of interest. Incremental values may be scaled up or down as appropriate. Provide cumulative dosimeter reading only when requested.

3. Air samples assume use of RADECO H-809C air sampler or equivalent. Volume assumed is approximately 10 cubic feet, and field reading is with HP-260 or equivalent.

4. <u>BKG = Use actual background reading of survey instrument being used</u>.

TABLE 10.4-A
RADIOLOGICAL SURVEY/SAMPLING DATA

(RG&E SURVEY TEAMS)

ZONE	CLOSE WINDOW (mr/hr)		OPEN WINDOW (mr/hr)		DOSIMETRY INCREMENT EXPOSURE (mREM)	GROSS IODINE CARTRIDGE (CPM)	GROSS PARTIC. FILTER (CPM)
	3 FEET	CONTACT	3 FEET	CONTACT			
A	0.9	0.9	1.1	1.1	0	BKG	BKG
B	0.4	0.4	0.5	0.5	0	BKG	BKG
C	0.2	0.2	0.2	0.2	0	BKG	BKG
D	0.1	0.1	0.1	0.1	0	BKG	BKG
E	BKG	BKG	BKG	BKG	0	BKG	BKG
F	BKG	BKG	BKG	BKG	0	BKG	BKG
G	BKG	BKG	BKG	BKG	0	BKG	BKG
H	BKG	BKG	BKG	BKG	0	BKG	BKG
I	BKG	BKG	BKG	BKG	0	BKG	BKG

NOTES:

1. Dose rate readings apply to Victoreen 450 dose rate instrument or equivalent. Ensure that readings provided do not exceed range of survey instrument being used. Provide only those readings being requested, or in accordance with Controller instructions.

2. Dosimeter incremental exposure assumes a 15-minute stay-time in the particular zone of interest. Incremental values may be scaled up or down as appropriate. Provide cumulative dosimeter reading only when requested.

3. Air samples assume use of RADECO H-809C air sampler or equivalent. Volume assumed is approximately 180 liters (30 lpm for 6 minutes), and field reading is with HP-260.

4. <u>BKG = Use actual background reading of survey instrument being used</u>.

TABLE 10.4-B
RADIOLOGICAL SURVEY/SAMPLING DATA

(COUNTY TEAMS)

ZONE	CLOSE WINDOW (mr/hr)		OPEN WINDOW (mr/hr)		DOSIMETRY INCREMENT EXPOSURE (mREM)	GROSS IODINE CARTRIDGE (CPM)	GROSS PARTIC. FILTER (CPM)
	3 FEET	CONTACT	3 FEET	CONTACT			
A	0.9	0.9	1.1	1.1	0	BKG	BKG
B	0.4	0.4	0.5	0.5	0	BKG	BKG
C	0.2	0.2	0.2	0.2	0	BKG	BKG
D	0.1	0.1	0.1	0.1	0	BKG	BKG
E	BKG	BKG	BKG	BKG	0	BKG	BKG
F	BKG	BKG	BKG	BKG	0	BKG	BKG
G	BKG	BKG	BKG	BKG	0	BKG	BKG
H	BKG	BKG	BKG	BKG	0	BKG	BKG
I	BKG	BKG	BKG	BKG	0	BKG	BKG

NOTES:

1. Dose rate readings apply to Victoreen 450, CDV-715, RO-2 dose rate instrument or equivalent. Ensure that readings provided do not exceed range of survey instrument being used. Provide only those readings being requested, or in accordance with Controller instructions.

2. Dosimeter incremental exposure assumes a 15-minute stay-time in the particular zone of interest. Incremental values may be scaled up or down as appropriate. Provide cumulative dosimeter reading only when requested.

3. Air samples assume use of RADECO H-809C air sampler or equivalent. Volume assumed is approximately 10 cubic feet, and field reading is with HP-260 or equivalent.

4. <u>BKG = Use actual background reading of survey instrument being used</u>.

TABLE 10.5

POST-PLUME SURVEY DATA
(FOR PANCAKE PROBES AND RM-14 METER)

ZONE	PANCAKE PROBE (GROSS CPM) 1 METER	1 CM
A	BKG	BKG
B	BKG	BKG
C	BKG	BKG
D	BKG	BKG
E	BKG	BKG
F	BKG	BKG
G	BKG	BKG
H	BKG	BKG
I	BKG	BKG

NOTE: BKG = Use actual background reading of survey instrument being used.

[illegible]

TABLE 10.6

POST-PLUME SURVEY DATA
(GAMMA MICRO-R/HOUR READINGS)

ZONE	GROSS MICRO-R/HOUR @ 1 METER	GROSS MICRO-R/HOUR @ 1 CM
A	BKG	BKG
B	BKG	BKG
C	BKG	BKG
D	BKG	BKG
E	BKG	BKG
F	BKG	BKG
G	BKG	BKG
H	BKG	BKG
I	BKG	BKG

NOTE: BKG = Use actual background reading of survey instrument being used.

SECTION 10.3

FIELD AIR SAMPLE ISOTOPIC DATA

TABLE 10.7-A

AIR PARTICULATE FILTER
ISOTOPIC ACTIVITY

SAMPLE COLLECTION DURING PLUME PHASE
COUNTY TEAMS - 10 CUBIC FT SAMPLE

ZONE	TOTAL ACTIVITY UCI/CC	FIELD READING (CPM)	I-131 UCI/CC	I-133 UCI/CC	I-135 UCI/CC	CS-134 UCI/CC	CS-137 UCI/CC	BA-140 UCI/CC	LA-140 UCI/CC
A	6.71E-11	4.6E+01	1.99E-11	1.39E-11	7.96E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00
B	2.98E-11	4.2E+01	8.85E-12	6.20E-12	3.54E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00
C	1.33E-11	4.1E+01	3.96E-12	2.77E-12	1.58E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00
D	6.23E-12	4.1E+01	1.85E-12	1.29E-12	7.39E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00
E	3.83E-12	4.0E+01	1.14E-12	7.95E-13	4.55E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00
F	2.52E-12	4.0E+01	7.47E-13	5.23E-13	2.99E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00
G	1.61E-12	4.0E+01	4.77E-13	3.34E-13	1.91E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00
H	1.15E-12	4.0E+01	3.42E-13	2.40E-13	1.37E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00
I	9.10E-13	4.0E+01	2.70E-13	1.89E-13	1.08E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TABLE 10.7-B

SILVER ZEOLITE CARTRIDGE
RADIOIODINE ISOTOPIC ACTIVITY

SAMPLE COLLECTION DURING PLUME PHASE
COUNTY TEAMS - 10 CUBIC FT SAMPLE

ZONE	TOTAL ACTIVITY UCI/CC	FIELD READING (CPM)	I-131 UCI/CC	I-132 UCI/CC	I-133 UCI/CC	I-134 UCI/CC	I-135 UCI/CC
A	6.71E-09	8.5E+01	1.99E-09	3.39E-10	1.39E-09	2.19E-09	7.96E-10
B	2.98E-09	6.0E+01	8.85E-10	1.50E-10	6.20E-10	9.74E-10	3.54E-10
C	1.33E-09	4.9E+01	3.96E-10	6.73E-11	2.77E-10	4.35E-10	1.58E-10
D	6.23E-10	4.4E+01	1.85E-10	3.14E-11	1.29E-10	2.03E-10	7.39E-11
E	3.83E-10	4.3E+01	1.14E-10	1.93E-11	7.95E-11	1.25E-10	4.55E-11
F	2.52E-10	4.2E+01	7.47E-11	1.27E-11	5.23E-11	8.21E-11	2.99E-11
G	1.61E-10	4.1E+01	4.77E-11	8.10E-12	3.34E-11	5.24E-11	1.91E-11
H	1.15E-10	4.1E+01	3.42E-11	5.82E-12	2.40E-11	3.76E-11	1.37E-11
I	9.10E-11	4.1E+01	2.70E-11	4.59E-12	1.89E-11	2.97E-11	1.08E-11

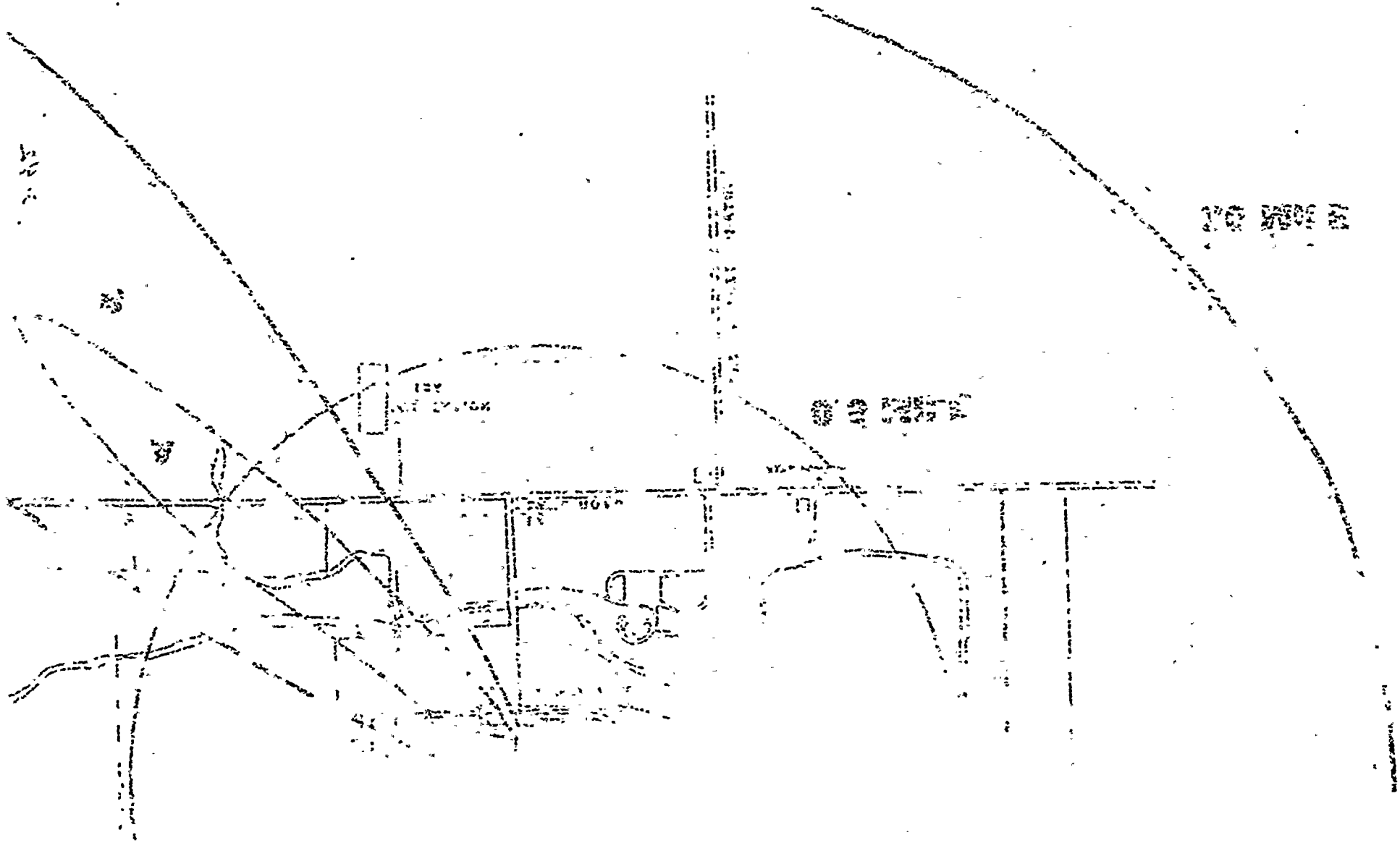
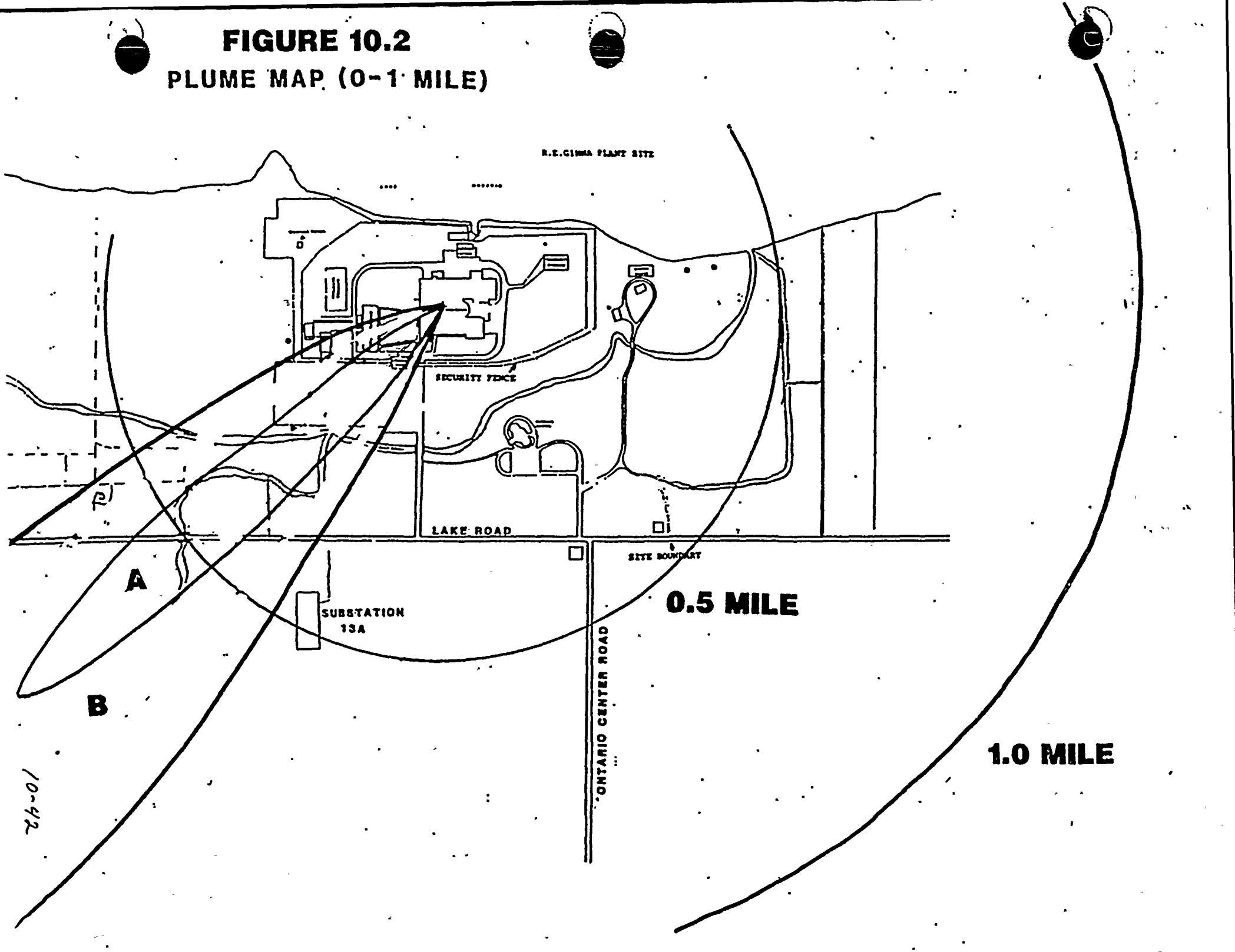


FIGURE 10.2
PLUME MAP (0-1 MILE)



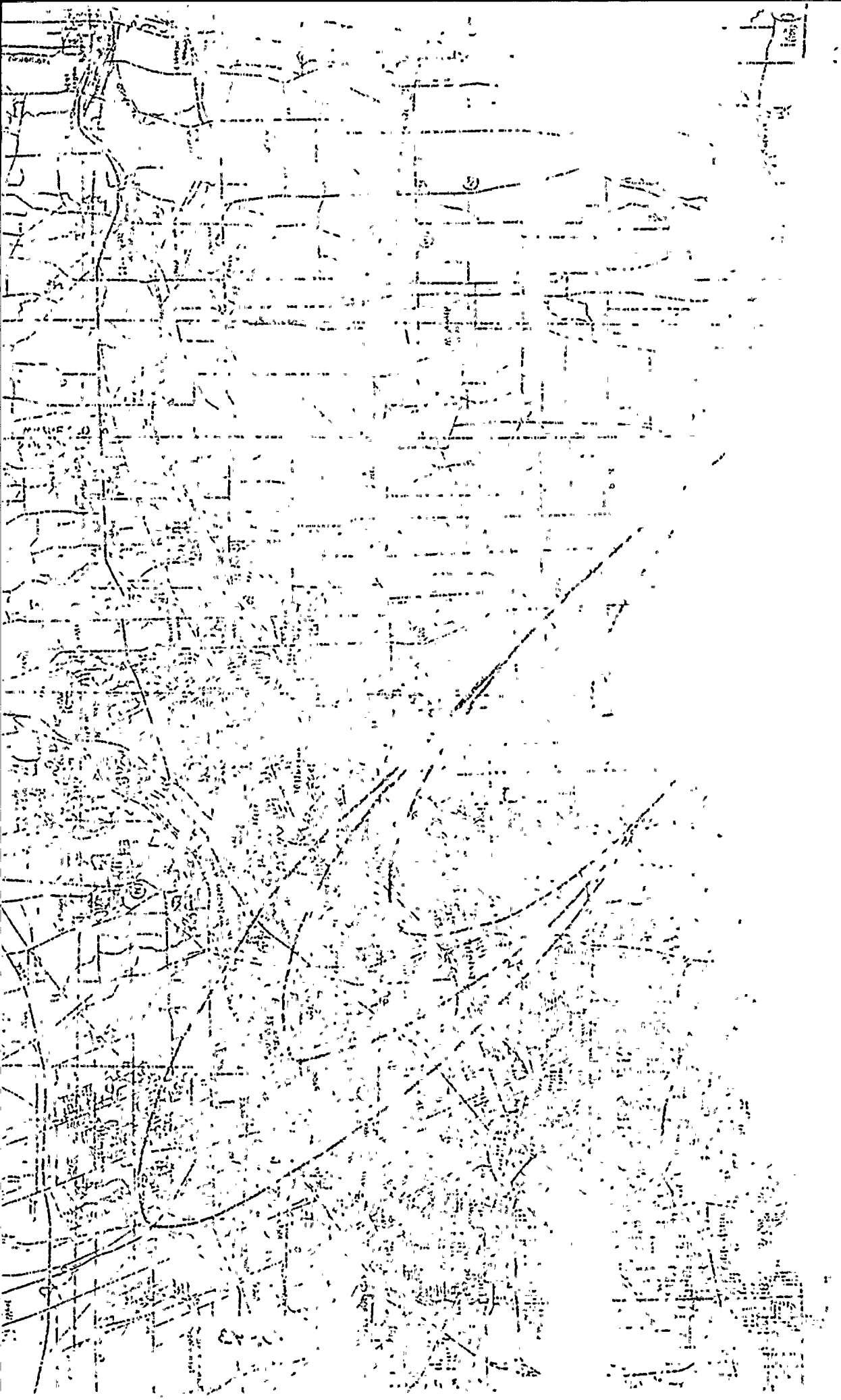


Figure 10.3

Plume Map 0-10 Mile