

1991 GINNA EXERCISE

SCHEDULE OF EVENTS

TUESDAY, SEPT. 10

CONTROLLWR BRIEFING 8AM - - TRAINING

NRG BRIEFING

11AM - - AUDITORIUM

WEDNESDAY, SEPT. 11

EVALUATED EXERCISE

THURSDAY, SEPT. 12

CRITIQUE

7 AM

CONTROLLER MEETING

9 AM

CORPORATE CRITIQUE

10 AM

NRG CRITIQUE

FRIDAY, SEPT. 13

FEMA CRITIQUE

1 PM

89 EAST AVENUE

AUDITORIUM

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CONTROLLER BRIEFING

LEAD CONTROLLER PHONE NOS.

- SIMULATOR CONTROL ROOM 71-581
- TECHNICAL SUPPORT CENTER 71-502
- SURVEY CENTER 71-331
- EMERGENCY OPERATIONS FACILITY ~~4~~099
- JOINT EMERGENCY NEWS CENTER 4992
- ENGINEERING SUPPORT CENTER 4186



ROCHESTER GAS & ELECTRIC CORP.
GINNA STATION

EMERGENCY PREPAREDNESS
EXERCISE

SEPTEMBER 11, 1991



THE ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

EMERGENCY PREPAREDNESS EXERCISE MANUAL

1991 PLUME EXPOSURE EMERGENCY PREPAREDNESS EXERCISE

September 11, 1991

Prepared By:

Rochester Gas and Electric Corporation

CONTROLLED COPY NO. _____

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ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

1991 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 and the State of New York approve this document as the standard for conduct in performance of the September, 1991 Emergency Preparedness Exercise.



THE ROCHESTER GAS AND ELECTRIC CORPORATION, GINNA STATION
1991 PLUME EXPOSURE 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
William Dillon
Jerry Gibaud
Tom Joachimczyk
James Knorr
Roy Marriott
Ed McGrattan
Stephen Meister
Peter Polfleit
Mike Power
Frank Puddu
James Regan
Richard Watts
Terry White
Robert Yates



GINNA STATION

1991 PLUME EXPOSURE EMERGENCY PREPAREDNESS EXERCISE

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GINNA STATION

1991 PLUME EXPOSURE EMERGENCY PREPAREDNESS EXERCISE

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1991 PLUME EXPOSURE EMERGENCY PREPAREDNESS EXERCISE

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GINNA STATION

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SECTION 1.0

SCOPE AND OBJECTIVES



1.0 SCOPE AND ONSITE OBJECTIVES - PLUME EXPOSURE PATHWAY

1.1 Scope

The 1991 Emergency Preparedness Plume Exposure Pathway Exercise will simulate accident events culminating in a radiological accident resulting in the activation of on-site 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 mobilization of state and local resources adequate to verify their capability to respond to an accident at the Ginna Nuclear Power Plant.

1.2 Onsite Objectives for the 1991 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 determining ambient radiation levels.



- 1.2.8 Demonstrate the availability 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 availability of appropriate equipment and procedures for the collection of environmental samples.
- 1.2.10 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.
- 1.2.11 Demonstrate the ability to notify offsite officials and agencies within 15 minutes of declaration of an emergency.
- 1.2.12 Demonstrate the ability to periodically update offsite officials and agencies of the status of the emergency based on data available at Ginna Station.
- 1.2.13 Demonstrate the ability to notify emergency support pools as appropriate (i.e., INPO, ANI, etc.).
- 1.2.14 Demonstrate the ability to notify onsite personnel using Plant alarms and public address systems.
- 1.2.15 Demonstrate the ability to effectively assess incident conditions and to properly classify the incident.
- 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 manage an orderly evacuation of restricted area personnel.
- 1.2.18 Demonstrate the organizational ability and resources necessary to control access to the site.
- 1.2.19 Demonstrate the ability to continuously monitor and control emergency workers' exposure.
- 1.2.20 Demonstrate the adequacy of facilities and displays to support the Joint Emergency News Center operations.

- 1.2.21 Demonstrate the ability to brief the media in a clear, accurate, and timely manner.
- 1.2.22 Demonstrate the ability to provide advanced coordination of information released to the public.
- 1.2.23 Demonstrate the ability to establish and operate rumor control in a coordinated fashion.
- 1.2.24 Demonstrate the adequacy of in-plant post-accident sampling techniques and analysis.
- 1.2.25 Demonstrate the ability to develop proposed short term and long term actions to support Plant recovery.
- 1.2.26 Demonstrate the adequacy of measures taken to correct principal findings and observations identified during the previous exercise.
- 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

1991 GINNA STATION EMERGENCY PREPAREDNESS EXERCISE
(PLUME EXPOSURE)

PROPOSED ONSITE ACTIVITIES

	<u>RG&E</u>
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
EPZ Siren Activation	N/A
Route Alerting	N/A
EBS Message Broadcast	N/A
Dispatch Field Survey Teams	Actual-5*
Exchange of Field Data	Actual*
Reception Center Setup	N/A
Congregate Care Center	N/A
School Bus Run	N/A
General Population	N/A
Traffic Control Points	N/A
Road Impediments	N/A
Coast Guard (notify only)	N/A
Mobility Impaired	N/A

*Note: Field teams will be deployed and will demonstrate communications with respective emergency response facilities.

SIMULATIONS

- o 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.

- o 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.



1.4 OFFSITE OBJECTIVES AND PROPOSED ACTIVITIES

The offsite agencies' objectives and Proposed Activities are found as follows:

<u>Agency</u>	<u>Attachment</u>
State of New York	A
Monroe County	A
Wayne County	A

1.5 SUMMARY OF PROPOSED OFFSITE ACTIVITIES

Attachment A also lists a discussion of the proposed guidelines for the extent of play required to demonstrate the fulfillment of each objective for the 1991 Ginna Emergency Preparedness Exercise. The listing describes, by organization, if an activity is to actually be accomplished or is to be simulated. A blank space denotes that the activity does not apply to that particular agency.

ATTACHMENT A

OBJECTIVES AND PROPOSED ACTIVITIES

WAYNE AND MONROE COUNTIES

NEW YORK STATE

1991 EMERGENCY PREPAREDNESS EXERCISE



Federal Emergency Management Agency

Region II 26 Federal Plaza New York, New York 10278

R2-NT

March 5, 1991

Donald DeVito, Director
State Emergency Management Agency
State of New York
Public Security Building
State Campus
Albany, New York 12226-5000

Dear Mr. DeVito:

We have reviewed the scenario for the Ginna REP exercise scheduled for June 19, 1991 and find the radiological data adequate to provide a driving force to test offsite capabilities relating to the 23 objectives. Therefore, the scenario for the June 19, 1991 exercise is approved.

If you have any questions, please feel free to call me at (212) 225-7204.

Sincerely,

A handwritten signature in cursive script, reading "Paul Weberg", is written over a horizontal line.

Paul Weberg, Chairman
Regional Assistance Committee

**NEW YORK STATE
Disaster Preparedness Commission**

State Emergency Management Office
Public Security Building
State Campus
Albany, New York 12226-5000

David Axelrod, M.D.
Chairman

MG Lawrence P. Flynn
Secretarial

NEW YORK STATE



**DISASTER
PREPAREDNESS
COMMISSION**

January 25, 1991

Mr. Paul K. Weberg, Chief
Technological Hazards Branch
Federal Emergency Management Agency
26 Federal Plaza
New York, New York 10278

Dear Paul:

Enclosed are the final objectives, ARCA listings and scope of play as agreed to on January 11, 1991 at your office.

If you have any questions, please contact me at your convenience.

Sincerely yours,

James Baranski
Exercise Director

Enclosure

cc w/enc: Mr. Beldue
Ms. Perry
Ms. Wideman
Mr. Germano
Mr. McIntosh
Mr. Maurer
Mr. Clark
Mr. Gibb
Mr. Bergmann
Mr. Lips

OBJECTIVES FOR THE GINNA NUCLEAR STATION

OBJECTIVE 1:

MOBILIZATION OF EMERGENCY PERSONNEL: Demonstrate the ability to fully alert, notify, and mobilize personnel for both emergency facilities and field operations.

Locations Observed: SEOC, JNC, EOF, MCEOC, WCEOC, MCFA, WCFA, LDEOC, WDEOC

ARCAs: None

OBJECTIVE 2:

FACILITIES: ACTIVATION, EQUIPMENT, AND DISPLAYS: Demonstrate the adequacy of facilities and their equipment, displays and other materials to support emergency operations. Demonstrate the ability to activate and staff emergency facilities for emergency operations.

Locations Observed: SEOC, JNC, EOF, MCEOC, WCEOC, LDEOC, WDEOC, MCFA, WCFA

ARCAs: EOF-2, WC-5, WC-18

OBJECTIVE 3:

DIRECTION & CONTROL: Demonstrate the ability to direct, coordinate and control emergency activities.

Locations Observed: SEOC, MCEOC, WCEOC, LDEOC, WDEOC

ARCAs: WC-1, WC-9, WC-3, WC-4

OBJECTIVE 4:

COMMUNICATIONS: Demonstrate the ability to communicate with all appropriate organizations and field personnel.

Locations Observed: SEOC, MCEOC, WCEOC, JNC, MCFA, WCFA, LDEOC, WDEOC

ARCAs: WD-1, WD-2, LD-1, EOF-1

OBJECTIVE 5:

EMERGENCY WORKER EXPOSURE CONTROL: Demonstrate the ability to continuously monitor and control emergency worker exposure.

Locations Observed: SEOC, MCEOC, WCEOC, MCFA, WCFA

ARCAs: MC-3, Pg 47 (2), WC

1/18/91



OBJECTIVE 6:

FIELD RADIOLOGICAL MONITORING - AMBIENT RADIATION MONITORING:

Demonstrate the appropriate equipment and procedures for determining field radiation measurements.

Locations Observed: MCEOC, WCEOC, MCFA, WCFA

ARCAs: WC-6, WC-7, WC-8, MC-2

OBJECTIVE 7:

PLUME DOSE PROJECTION: Demonstrate the ability to project dosage to the public via plume exposure pathway, based on plant status and field data.

Locations Observed: MCEOC, WCEOC, SEOC^A, MCFA, WCFA

ARCAs: SEOC-1

OBJECTIVE 8:

FIELD RADIOLOGICAL MONITORING - AIRBORNE IODINE & PARTICULATE ACTIVITY MONITORING: Demonstrate the appropriate use of equipment and procedures for the measurement of airborne radioiodine concentrations as low as 10^{-7} (0.0000001) microcurie per cc in the presence of noble gases and obtain samples of particulate activity in the airborne plume.

Locations Observed: MCFA, WCFA

ARCAs: MC-1

OBJECTIVES 9:

PLUME PROTECTIVE ACTION DECISION MAKING: Demonstrate the ability to make timely and appropriate protective action decisions.

Locations Observed: MCEOC, WCEOC, SEOC^A

ARCAs: None

OBJECTIVE 10:

ALERT AND NOTIFICATION: Demonstrate the ability to alert the public within the 10-mile EPZ and begin dissemination of instructional messages within 15 minutes of each decision by appropriate State or local officials.

Locations Observed: MCEOC, WCEOC, SEOC^A, JNC

ARCAs: WC-2

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OBJECTIVE 11:

PUBLIC INSTRUCTIONS & EMERGENCY INFORMATION: Demonstrate the ability to coordinate the formulation and dissemination of accurate information and instructions to the public.

Locations Observed: MCEOC, WCEOC, JNC, SEOC^A

ARCAs: JNC-1^R, JNC-2^R

OBJECTIVE 12:

EMERGENCY INFORMATION - MEDIA: Demonstrate the ability to coordinate the development and dissemination of clear, accurate, and timely information to the news media.

Locations Observed: JNC

ARCAs: JNC-4

OBJECTIVE 13:

EMERGENCY INFORMATION - RUMOR CONTROL: Demonstrate the ability to establish and operate rumor control in a coordinated and timely fashion.

Locations Observed: JNC

ARCAs: None

OBJECTIVE 14:

IMPLEMENTATION OF PROTECTIVE ACTIONS - USE OF KI - FOR EMERGENCY WORKERS, INSTITUTIONALIZED PERSONS & THE GENERAL PUBLIC: Demonstrate the ability and resources to implement KI protective actions for emergency workers, institutionalized persons and the general public, if State plan so specifies.

Locations Observed: SEOC, MCEOC, WCEOC

ARCAs: WC-12

OBJECTIVE 15:

IMPLEMENTATION OF PROTECTIVE ACTIONS - SPECIAL POPULATION: Demonstrate the ability and resources necessary to implement appropriate protective actions for special populations.

Locations Observed: MCEOC, MCFA, WCEOC, WCFA

ARCAs: None

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OBJECTIVE 16:

IMPLEMENTATION OF PROTECTIVE ACTIONS - SCHOOLS: Demonstrate the ability and resources necessary to implement appropriate protective actions for school children within the plume EPZ.

Locations Observed: MCEOC, WCEOC, MCFA, WCFA

ARCAs: None

OBJECTIVE 17:

TRAFFIC & ACCESS CONTROL: Demonstrate the organizational ability and resources necessary to control evacuation traffic flow and to control access to evacuated and sheltered areas.

Locations Observed: MCEOC, WCEOC, MCFA, WCFA

ARCAs: None

OBJECTIVE 18:

RECEPTION CENTER - MONITORING, DECONTAMINATION, & REGISTRATION: Demonstrate the adequacy of procedures, facilities, equipment and personnel for the radiological monitoring, registrations, and decontamination of evacuees.

Locations Observed: MCFA, WCFA

ARCAs: None

OBJECTIVE 19:

CONGREGATE CARE: Demonstrate the adequacy of facilities, equipment and personnel for congregate care of evacuees.

Locations Observed: MCFA, WCFA

ARCAs: WC-10

OBJECTIVE 20:

MEDICAL SERVICES - TRANSPORTATION: Demonstrate the adequacy of vehicles, equipment, procedures and personnel for transporting contaminated, injured or exposed individuals.

Locations Observed: WCFA

ARCAs: None



OBJECTIVE 21:

MEDICAL SERVICES - FACILITIES: Demonstrate the adequacy of equipment, procedures supplies, and personnel of medical facilities responsible for treatment of contaminated, injured, or exposed individuals.

Locations Observed: MCFA

ARCAs: None

ONLY ONE COUNTY WILL BE PARTICIPATING

OBJECTIVE 22:

DECONTAMINATION - EMERGENCY WORKERS, EQUIPMENT, VEHICLES, & WASTE DISPOSAL: Demonstrate the adequacy of procedures for decontamination of emergency workers, equipment, vehicles and materials and for the disposal of contaminated waste.

Locations Observed: MCFA, WCFA

ARCAs: WC-11

OBJECTIVE 31:

Demonstrate the ability to provide offsite support for the evacuation of onsite personnel.

Locations Observed: EOF, WCEOC

ARCAs: None

OBJECTIVE 32:

ARCA's from June 11, 1990 Post Exercise Assessment

SEMO	- State Emergency Management Office
SEOC	- State Emergency Management Center
EOF	- Emergency Operations Facility
JNC	- Joint News Center
MCEOC	- Monroe County Emergency Operations Center
MCFA	- Monroe County Field Activity
WCEOC	- Wayne County Emergency Operations Center
WCFA	- Wayne County Field Activity
NYS	- New York State
LDEOC	- Lake District Emergency Operations Center
WDEOC	- Western District Emergency Operations Center
MC	- Monroe County
WC	- Wayne County
MD	- Medical Drill

Communications ARCAs for Western and Lake District will be evaluated as part of the exercise or as a separate drill upon the request of the New York State Emergency Management Office.

D

A This objective will be evaluated for SEOC should the Governor declare a State of Emergency.

R These ARCAs relate to the remedial drill.

D

16



OVERVIEW - 6/19/91 EXERCISE

**LIST OF FACILITIES AND ACTIVITIES
TO BE DEMONSTRATED OR SIMULATED
DURING THE JUNE 19, 1991
GINNA EXERCISE**

<u>Facility/Activity</u>	<u>New York State (Albany)</u>	<u>Lake & Western District</u>	<u>Wayne</u>	<u>Monroe</u>
Warning Point	Actual	N/A	Actual	Actual
EOC	Actual	Actual	Actual	Actual
EOF	Actual	N/A	Actual	Actual
JNC	Actual (d)	N/A	Actual	Actual
Reception Center	N/A	N/A	Actual (1)	Actual (1)
Congregate Care Center	N/A	N/A	Actual (1)	Actual (1)
Emergency Worker PMC	None	N/A	Actual (1)	Actual (1)
Siren Activation	N/A	N/A	Simulation	Simulation
Route Alerting *primary	N/A	N/A	None	None
*backup	N/A	N/A	Simulation (1-EOC Discussion)	Simulation (1-EOC Discussion)
EBS Formulation	Actual (d)	N/A	Actual	Actual
EBS Airing	Simulation (1 test only)	N/A	Simulation (1 test only)	Simulation (1 test only)
Field Monitoring Teams	N/A	N/A	Actual (1)	Actual (1)
Accident Assessment	Actual (d)	N/A	Actual	Actual
General Population Bus Run	N/A	N/A	Actual (1)	Actual (1)
School Evacuation Bus Run	N/A	N/A	Actual (1)	Actual (1)

OVERVIEW - 6/19/91 EXERCISE (cont'd)

LIST OF FACILITIES AND ACTIVITIES
TO BE DEMONSTRATED OR SIMULATED
DURING THE JUNE 19, 1991
GINNA EXERCISE

Facility/Activity	New York State (Albany)	Lake & Western District	Wayne	Monroe
Notification of Hearing Impaired	N/A	N/A	Simulation (EOC Discussion)	Simulation (EOC Discuss.)
Evac. of Mobility Impaired Special	N/A	N/A	Simulation (EOC Discussion)	Simulation (EOC Discuss.)
Evac. of Mobility Impaired Non- Institutionalized	N/A	N/A	Simulation (EOC Discussion)	Simulation (EOC Discuss.)
Traffic Control Points (TCPs)	N/A	N/A	Actual (2)	Actual (2)
Impediments to Evacuation	N/A	N/A	Simulation (Max 1-EOC Discussion)	Simulation (Max 1-EOC Discussion)
KI Administration	Discussion	N/A	Discussion	Discussion
School Interviews	N/A	N/A	Actual (1) a	Actual (1) a
Inventory of Equip- ment & Supplies	None	N/A	Actual b	Actual b
Training Records	Actual c	Actual c	Actual c	Actual c
Medical Drills	N/A	N/A	Actual	None

a - One (1) school per district in EPZ

b - Review to be conducted prior to exercise

c - Training records to FEMA by 5/15/91

d - To be demonstrated at the SEOC should the Governor declare a state of emergency.



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. Federal Emergency Management Agency
3. 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 Exercise activities 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. Simulator 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 General 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/agencies. 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 on-site 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.



01

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

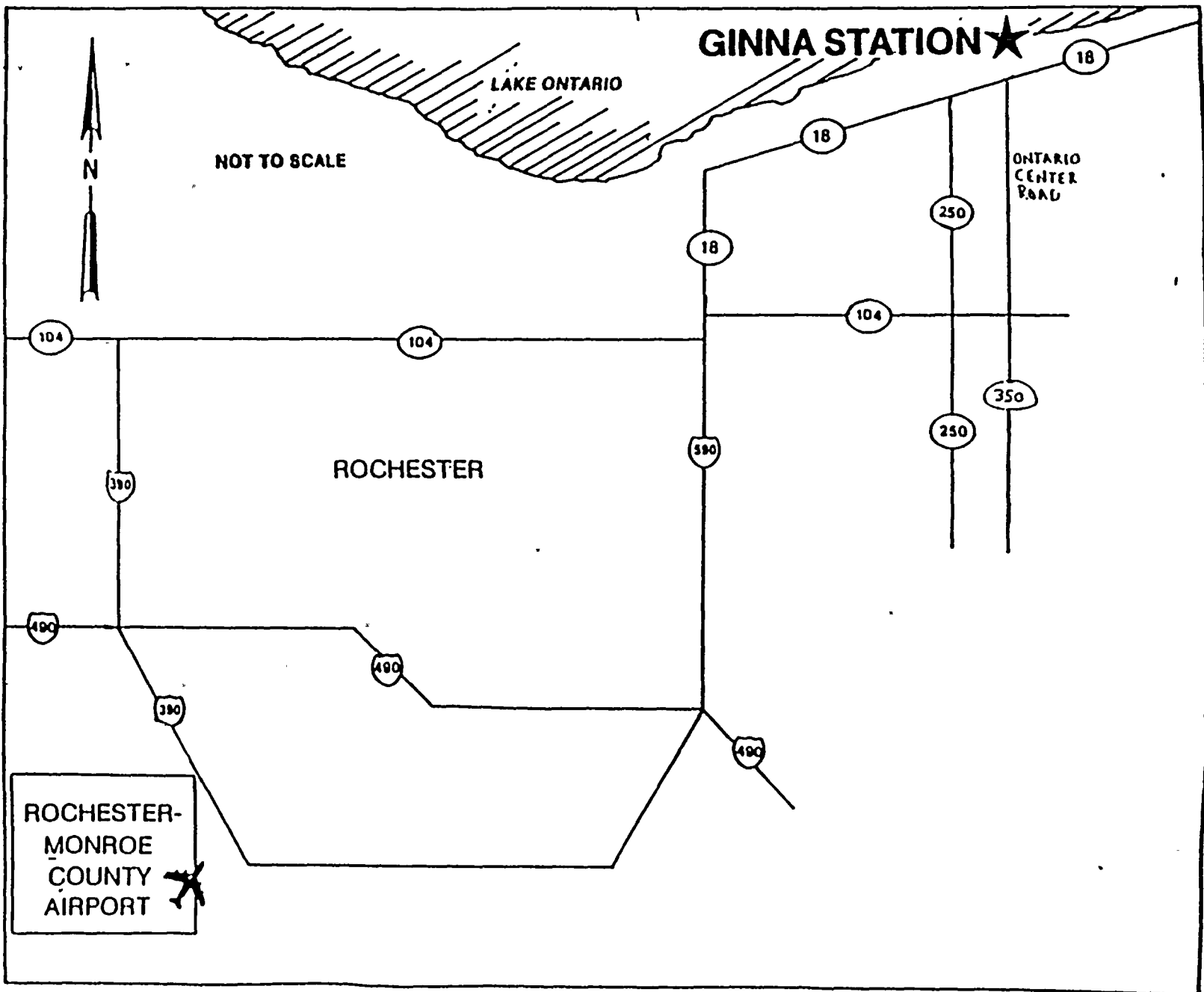
From the Thruway, use Exits 45 or 46 into Rochester and the Inner Loop to the East Avenue ramp as in 3.2.1.

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

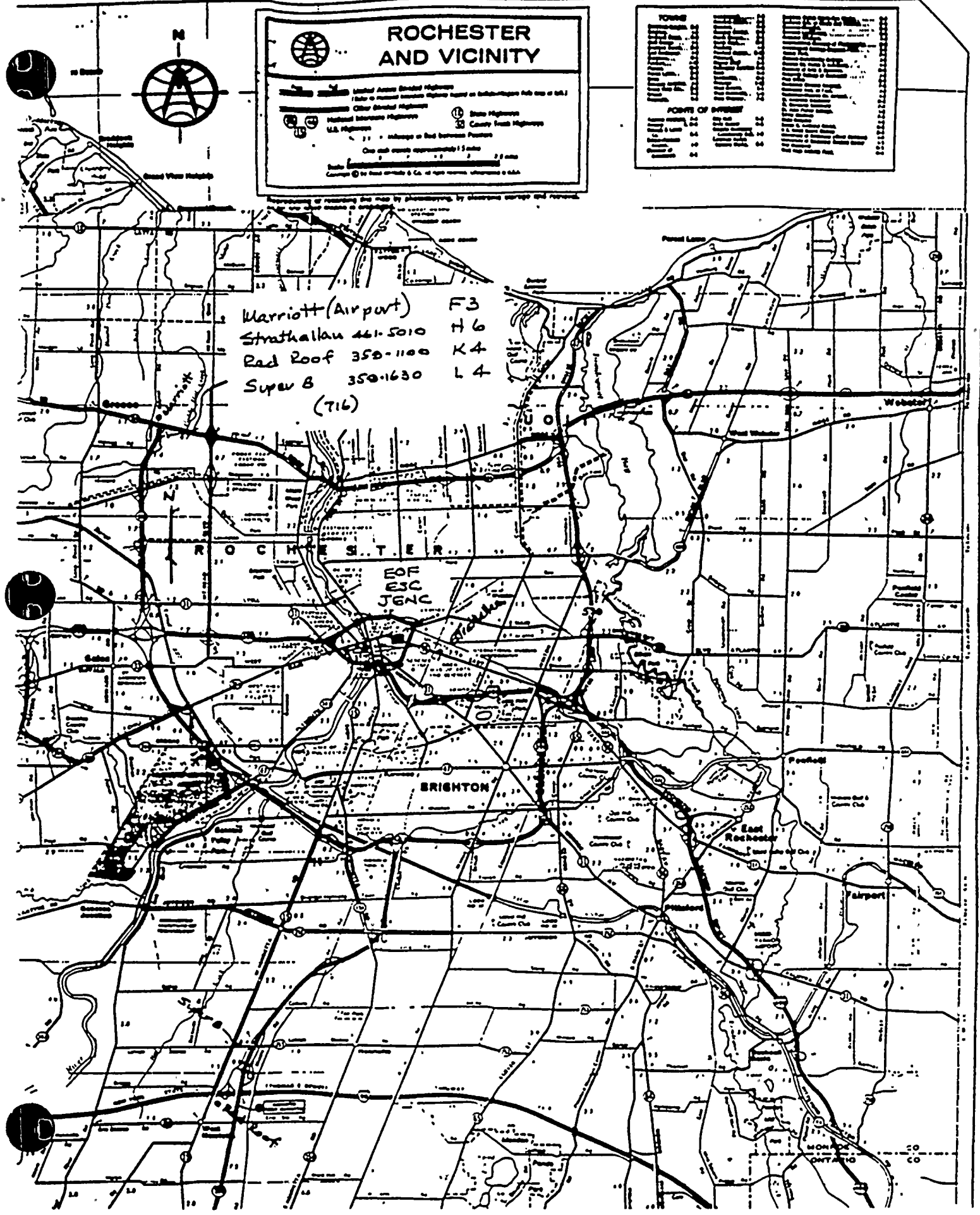


PLANT: **GINNA STATION**
LICENSEE: **Rochester Gas & Electric Corp.**

LOCATION: **Ontario, N Y**

FIGURE 3.1





ROCHESTER AND VICINITY

Legend:

- United States Federal Highway
- State Highway
- Other Road
- National Interstate Highway
- U.S. Highway
- State Highway
- County Road
- Township Road
- Village or Post Office
- City or Town
- Unincorporated Place
- One mile approximately 1.6 km
- Scale 1:50,000
- Copyright © by Rand McNally & Co. All rights reserved. Reproduction is prohibited.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Marriott (Airport) F3
 Strathallan 461-5010 H6
 Red Roof 350-1100 K4
 Super 8 350-1630 L4
 (716)

EOE
 ESC
 JENC

BRIGHTON

East Rochester

Porter

Webster

Getzville

Tonawanda

Wheatfield

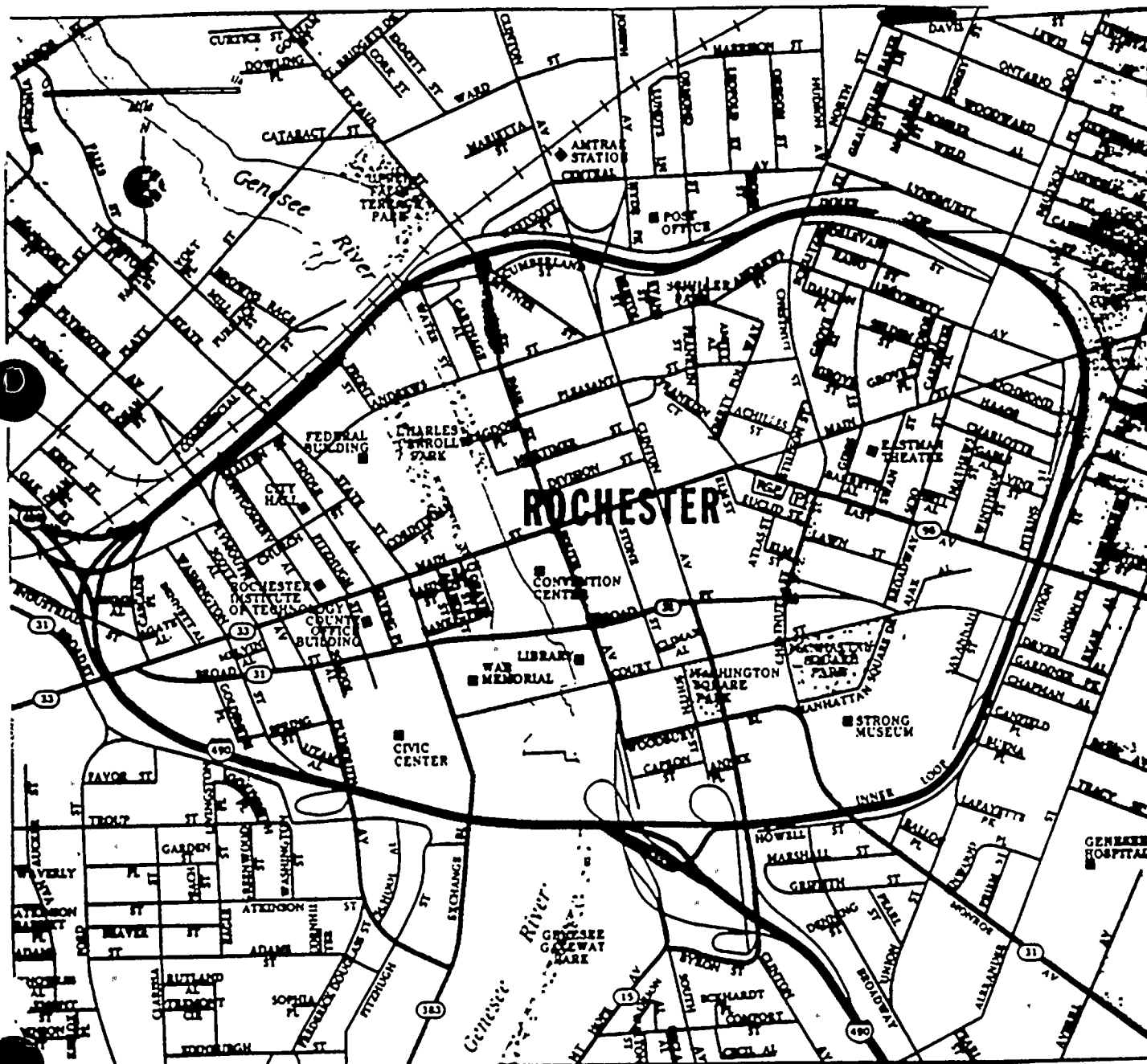
Amherst

Buffalo



To get to RG&E from the Rochester Airport:

Take 390 North to 490 East and follow the signs for the Inner Loop. Take the Inner Loop east and exit at St. Paul Street as shown on the map below. At the intersection of Main Street, St. Paul Street turns into South Avenue. Continue down South Avenue and take a left onto Broad Street. Follow the map to the RG&E facility at 49 East Avenue. At the intersection of Chestnut and East, there is a parking lot on the left corner. The RG&E facility at 49 East Avenue is the next building on the left as shown on the map.



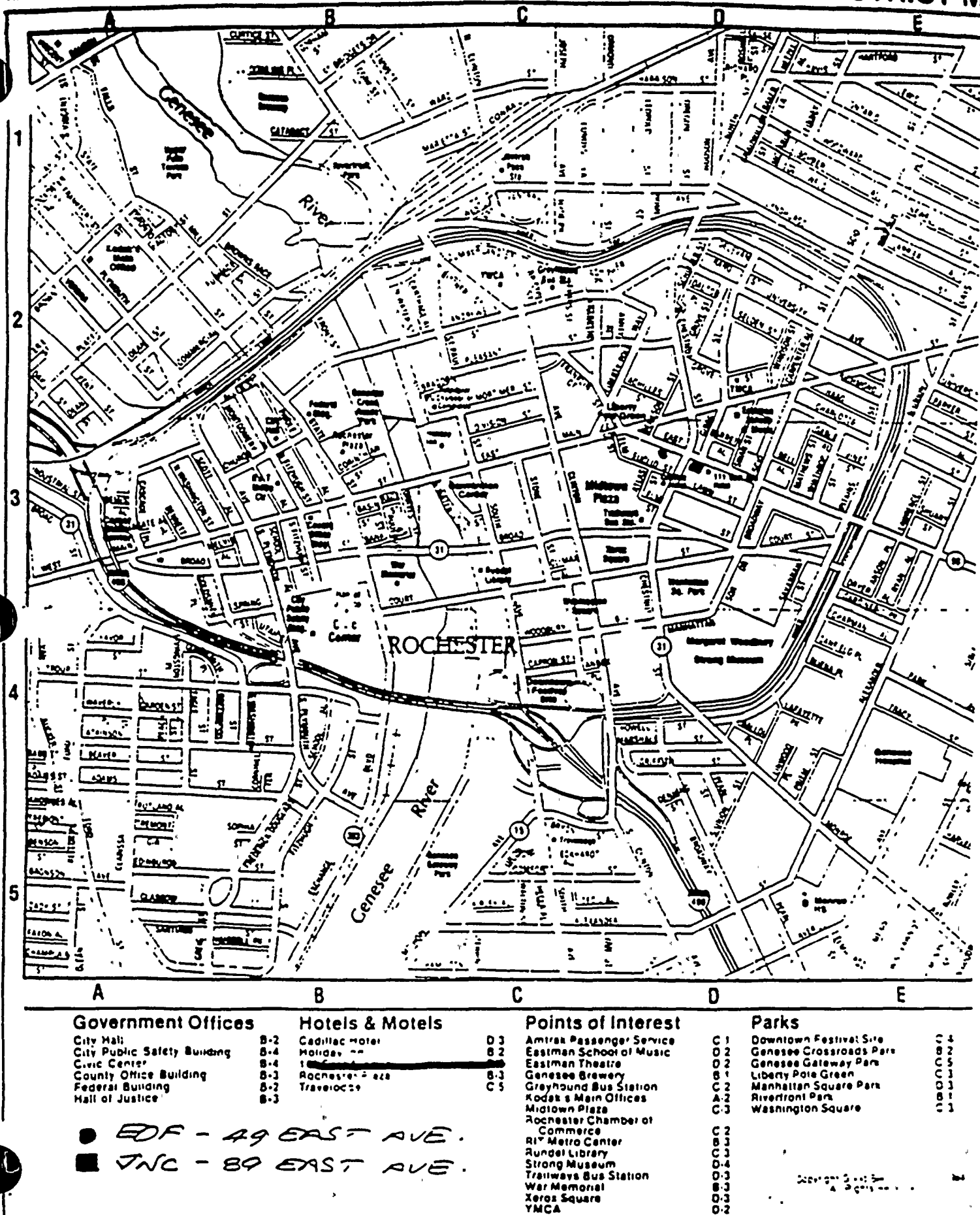


Figure 3.3



Figure 3.4

PART II - SEC. I - Proc. D

ATTACHMENT 1

STATE EOC-ASG

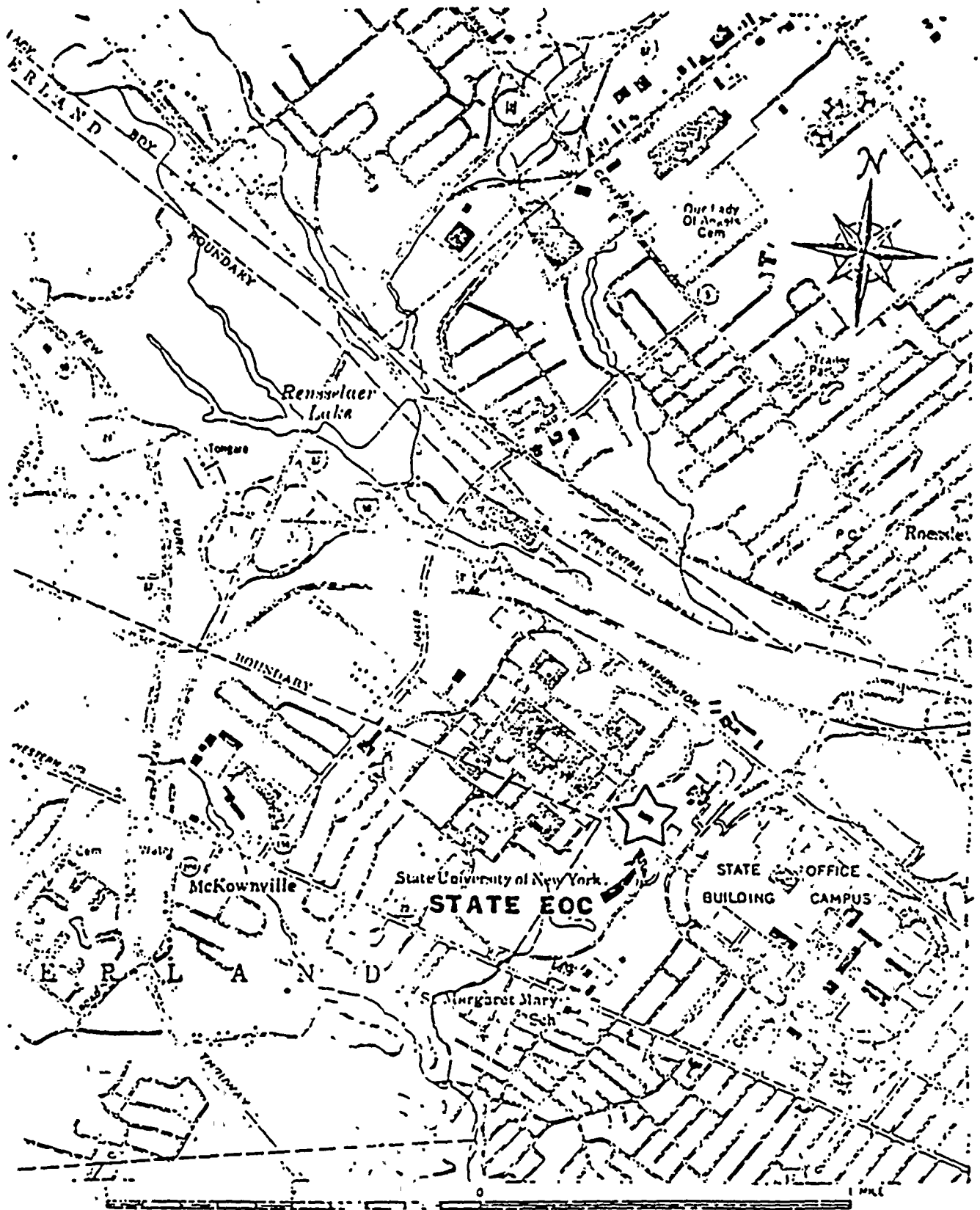
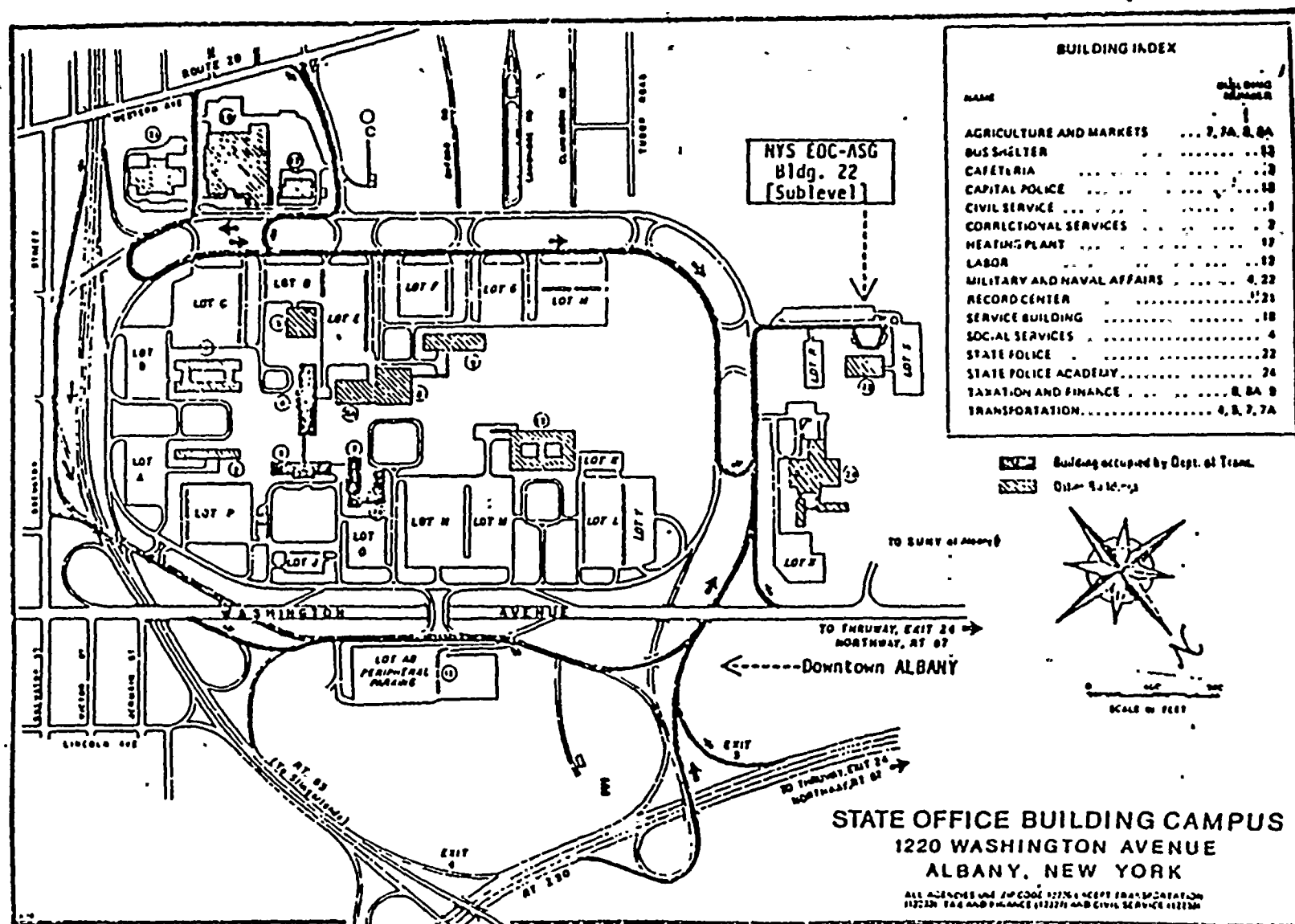


Figure 3.5
STATE EMERGENCY OPERATIONS CENTER
(Alternate Seat of Government)
EOC-ASG



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

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)
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	Emergency Survey Center
FEMA	Federal Emergency Management Agency
FRERP	Federal Radiological Emergency Response Plan
GS	Ginna Station
HARM	High Alarm
HP	Health Physicist
HPN	Health Physics Network
HVAC	Heating Ventilation Air Conditioning
INHIB	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
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



Abbreviations - Acronyms (Cont'd)

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

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

The following personnel have been designated to act as controllers during the 1991 Drill/Exercise activities:

Exercise Coordinator

R. Beldue

Facility

Control Room (Sim.)

Controllers

F. Maciuska (Lead)

D. Hudnut

B. Zollner

Control Room (Real)

R. Carroll

TSC:

Lead

Technical/Ops. Assessment

Security

Dose Assessment

HP/Chemistry

Communications/Data Flow

P. Polfleit/T. White

B. Zollner

B. Dillon/G. Palmer/M. Coleman

D. Filkins

F. Puddu

S. Poulton

OSC:

Lead

Fire

Operations

I&C

Mechanical

Mechanical

PASS

Electrical

J. Huff/J. Knorr

D. Biedenbach/M. Cavanaugh

W. Stiewe/S. Carter

T. Joachimczyk/E. McGrattan

S. Meister

G. Gibaud/J. Liese

J. Bement

R. Yates

SC:

Lead

Red Team

Blue Team

Green Team

Yellow Team

Orange Team

White Team

Personnel Coordinator

Y. Selbig

B. Freeman

J. Edler

J. Mazzeo

P. Phelan

J. Grzybek

K. Magnuson

N. Newman

EOF:

Lead/Operations

Communications/Data Flow

Dose Assessment

Survey Team

Survey Team

General

Engineering Support Center

W. Backus

B. Stanfield

R. Watts

K. Hart

B. Butler

J. Neis/D. Burke

C. Anderson/J. Bergstrom

JENC:

Lead

General

M. Power

E. Kaish

TABLE 5.1
Cont'd

Engineering Support Center:
Lead

C. Anderson

PUBLIC INFORMATION/RUMOR CONTROL:

TBD

SPOUSE PHONE:

TBD

NATIONAL WEATHER SERVICE:
Lead

G. English (NWS/NOAA)



GINNA STATION
1991 EMERGENCY EXERCISE

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, 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
1991 EMERGENCY EXERCISE

ATTACHMENT 1

PUBLIC INFORMATION QUESTIONS

TIME

- 0900 o 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?
- o My husband's a Wayne County Sheriff's Deputy. He said he's heard that there's some sort of security problem at the nuclear plant.
- o What is happening there?
- o How dangerous a situation is it?
- 0915 o This is _____ from the United Press International. I understand that you have an incident at the Ginna Nuclear Plant. What's going on up there?
- o How extensive is the problem?
- o Where did the trouble start in the plant?
- o Is it under control?
- o What's the status of the plant?
- o What kind of hazards are involved?
- o Have any workers been injured?
- o Is the safety of the public threatened?
- o When will you have a press conference?
- o We'd like to send someone to the plant..Where do they go?
- 0930 o 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?
- o We heard the plant is no longer under your control - is that true?
- o Is the plant experiencing an uncontrolled release?
- o How do you know?
- o Is the release related to the security problem?
- o Who is in charge of the emergency?
- o Did you declare an emergency?
- o Was the reactor damaged?
- o Did you evacuate the site? Why not?
- o Are you going to evacuate the public living by the plant?
- o Is the reactor under control?
- o Do you have a press conference scheduled?



- 0945
- o What is happening at Ginna?
 - o Is the plant still under your control?
 - o Have the federal authorities been notified?
 - o Has assistance been requested to deal with this crisis?
 - o Is there any danger to the public?
-
- o What is going on at Ginna?
 - o Has the situation been resolved or are things getting worse?
 - o Are you evacuating the site?
 - o Are you going to tell the public to evacuate the area around the plant?
 - o Has Governor Cuomo been notified?
 - o Have the sirens been activated?
- 1000
- o I've heard you declared an "Unusual Event" earlier today.
 - o What does that signify---how bad a problem?
 - o What time did it happen?
 - o How did the problem start?
 - o Has anyone been killed? Any injuries?
 - o The situation seems to be getting worse...is this true?
-
- o I work at the FitzPatrick Plant.
 - o I'm confused about what's going on at Ginna...is the leak a chemical or radiological leak to the atmosphere?
 - o Has the leak stopped?
 - o How much was released?
 - o Do you need any help from us?
- 1015
- o What is the significance of an "ALERT"?
 - o How serious a problem is that?
 - o Have government officials been called?
 - o What will the Governor do?
 - o What is RG&E doing?
 - o Didn't Ginna have a problem several years ago?
 - o How do I get "official" information....who's in charge?
-
- o Who do I talk to for getting more information about radiation being released from the plant?
 - o Are farmers supposed to be sheltering livestock?
 - o I've got a small dairy farm in Williamson and I need to know what I should do.
 - o Where would I get more stored feed for my cattle if my pasture gets contaminated?
 - o I think I heard the sirens...do I need to evacuate?



- 1030 o I heard that you declared a "Site Alert".
 o When did this happen?
 o How much of the plant has been damaged?
 o Is there is a release of radiation?
 o Has anyone been injured in or around the plant?
 o Are infiltrators involved?
 o Is the plant safe or in big trouble?
- 1100 o What does a "Site Area Emergency" mean? Doesn't that mean
 the whole plant site in uninhabitable?
 o Is this accident similar to the one you had in 1982?
 o Why didn't we have more warning about this problem before
 now?
 o When will this problem be over, or don't you know?
 o Will you evacuate people around the plant?
 o In simple terms, what are they doing to control this
 emergency situation?
 o Will there be a big release, or has one started?
 o Is this as bad as Chernobyl?
- 1115 o Are farm animals on pasture safe?
 o What about the apple orchards around the plant?
 o Are you releasing radiation? What are the levels?
 o Are farmers supposed to take any action to protect
 their livestock?
 o Who is the best source of information on this emergency?
- 1130 o My father is in the Hill Have Nursing Home in Webster.
 o What will happen to him?
 o How long will this emergency last?
 o How do we keep informed?
 o Is this as bad as Chernobyl?
- 1200 o Do you expect that any radiation will be released?
 o Is the radiation like bomb fallout?
 o How dangerous is it?
 o Who is in charge of the emergency?
 o When will the next press briefing be held?
 o Where is the radiation heading?
 o What protective actions have been recommended?
- o Whom should I call for further information concerning the
 Webster area (or Ontario)?
 o If we're evacuated, will my house ever be safe to return
 to?
 o Where are people supposed to go if they evacuate?



- 1215
- o What is the problem at Ginna?
 - o I'm confused---How did the problem start ?
 - o Is this plant similar to Chernobyl or TMI?
 - o Can it blow up?
 - o How much radiation is being released off site?
 - o What protective actions are in effect for Wayne (Monroe) County?
 - o If people around the plant have to evacuate, when can they return?
-
- o This is _____ from WRUS Radio in Syracuse.
 - o How serious is the Ginna situation now?
 - o Is the problem under control yet?
 - o How many people live around the plant?
 - o What are you going to do to fix the situation?
 - o When is the next press briefing?
 - o Can we interview anyone at the plant?
 - o Where is your News Center?
 - o Where is the wind going?
 - o Who's in charge of the emergency?
-
- 1230
- o I live in Webster on Schlegel Road. I'm worried about leaving my 3 dogs behind if I evacuate my home.
 - o Can I take them along with me to a county evacuation shelter?
 - o What else should I take along if I go?
-
- o I'm Fred Ames from Perinton. I heard that radiation from Ginna might blow all the way down here.
 - o What should I do about my vineyard and farm?
 - o If my grapes and land get contaminated, who's going to pay me for my losses?
-
- 1300
- o 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?
 - o Briefly, what happened this morning to begin this problem?
 - o Do you Americans consider this to be worse than Three Mile Island?
 - o Do the authorities believe there's chance that the winds may carry radioactive material across Lake Ontario to Canada?



- 1315 o Has a release begun at the Ginna Plant?
 o How high are the levels of radiation?
 o What measures have been recommended to protect the
 general public?
 o Has Monroe County declared a state of emergency?
 o Have any other counties or the State declared a state of
 emergency?
- 1330 o Is the release continuing?
 o How bad is it?
 o How large an area might be contaminated... for how long?
 o Is the area around Ginna uninhabitable now?
 o Is the government going to have to relocate everyone
 permanently?
 o Where do families and cars go to be tested for radiation?
- 1400 o Is the release continuing at Ginna Station?
 o How do we find out which zones around the plant have been
 affected?
 o Are the shareholders going to have to pay for this?
 o Does RG&E have insurance?...I know you didn't for the Ice
 Storm.
- o Will the plant ever be started up again?
 o How long will it take for people to be able to go back
 home?
 o Are evacuation shelters going to stay open for monitoring
 people? If not, where should people go to get checked?



ATTACHMENT 2

RUMOR CONTROL MESSAGES
FOR MONROE COUNTY

TIME

- 0900 o Could you tell me about the problem at Ginna? I'm a Webster resident.
- o Is there a chemical or a radiation problem at Ginna?
- o Is the problem at Ginna or Nine Mile Unit II?
- o Is Ginna Station shut down because of an accident or something?
- 0930 o I hear there's an emergency at the nuclear power plant.
 o What happened and how bad is it?
- o 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?
- o Is the County Executive going to declare a state of emergency?
- o What does the County Executive intend to recommend to the public?
- o Are there any recommendations for people living within a few miles of Ginna?
- o Should County residents take any protective measures because of the problem we're hearing on the news?
- 0940 o Has any radiation or hazardous material leaked yet?
- o How can you be sure? Are you checking it?
- o How can I find out when there is a release?
- o Who is in charge of the emergency?
- o Is the plant shut down?
- o Is there a release?
- o What's happening at the nuclear plant?



- 1000
 - o My son is at Xerox. How will he know about the Ginna problem?
 - o Is he safe where he is?
 - o Does RG&E have an emergency plan?
 - o We've lost our emergency information handbook and need one right away. Will one of the emergency people you have deliver one to us?
 - o Is there a security problem at Ginna?
 - o Was there sabotage?
 - o Is the plant under control?
 - o What damage was done?
- 1100
 - o If there's an evacuation, I'm going to need help with my two infant twins. Can you help me? I live on 22113 Salt Road in Webster.
 - o How many nuclear plants are in the area?
 - o Where's our power going to come from if the plant is shut down for a while?
 - o Have you guys called for extra help with your problem?
 - o Who's running the emergency?
 - o What station on the radio should we be listening to?
 - o I need to talk to the County Executive. What's his number? I need to know what to do.
 - o Is RG&E telling us the truth? We all remember the Ice Storm and what they said!
 - o 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?
- 1115
 - o I live near the plant and heard there is an "ALERT", and then I heard it called something else... What's going on?
 - o Are you checking the radiation levels outside?
 - o Did Hussein's people do this?



- o What's this I hear about a fire at Ginna?
- o Was that because of a big explosion or something? How many got hurt and who's running the plant now?
- o Somebody told me the Ginna workers bail out from the plant when there's a problem. Is that true?
- o Is Cuomo or Bush sending help?

o What's happening at the Ginna plant?

o Is the plant burning out of control?

o My neighbors are saying terrorists have blown up part of the Ginna plant. Is this true?

- o Has a State of Emergency been declared?
- o What should the public do to protect itself?

- 1130 o My wife and I are concerned because we haven't heard the sirens go off...we live over in Fairport.
- o Shouldn't we hear sirens now?
 - o 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?

- o I don't trust the power plant people; they'd lie to save their own skins.
- o Do you have anybody checking on them?
- o Is the County Legislature going to look into this accident and stop Ginna from starting up again?
- o Who's going to pay for all the clean-up from this accident?

- o Should I close my restaurant due to the accident at Ginna Station? I'm over in Webster Village.
- o What are we supposed to do?
- o Who do I call to find out if we're going to have to leave?
- o Who will guard my place if we evacuate?

o I'm calling from California....what going on at your plant?

o What's happening at Ginna?

- 1200
- o I heard Ginna had intruders start this plant accident! Have they caught those people?
 - o Has there been a release?
 - o Whats happening to all the school kids in Webster School District?

 - o 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?
 - o What do I do? I live on Dewitt Road near the Elementary School.

 - o 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 there. Will they be safe over there?
- 1230
- o I'm leaving now. Where do I go for temporary housing? I live on State Road near Route 250.



o I'm calling from Penfield.....has there been a release from Ginna?

o I'm calling from Pennsylvania....I live 5 miles from Ginna.....can we return home tomorrow?

o What's happening at Ginna?

o 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.

o 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.

o How do I get there?

o Who's going to pay my expenses?

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

1300 o Is it true that the apples are now contaminated?
o Where are we supposed to get our groceries now?

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

o Where do we live and eat?

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

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

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

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

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

o Can we leave the house?

o Has there been an accident at Ginna?

o What exactly has happened?

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

1330 o What is the County Executive doing?
o Who's in charge of handling this accident anyway?



- 1345 o Has there been a release at Ginna?
 o Which way is the radiation heading?
- o Do City residents need to take any protective measures?
 o Can we drink our water?
- o What is the Ginna problem that occurred this morning?
 o What caused the problem?
 o I've heard that the reactor is destroyed. Is this true?
- 1400 o Does RG&E or the County have insurance?
 o Who will pay for this?
 o My homeowner's insurance states that I am not covered for
 nuclear accidents!
- o I'm calling from Alexandria Bay ...I just heard about the
 Ginna problem and we're coming home from vacation - We
 live on Basket Road in Webster.
 o Can we go home or should we stay over another night?
 o Are there any motels open in the area if we can't
 go home for a while?



RUMOR CONTROL MESSAGES
FOR WAYNE COUNTY

TIME

- 0915 o I hear there's an emergency at the nuclear power plant.
 o How serious is the problem?
 o Are schools going to be dismissed early?
 o Can I pick up my two children at the Middle School in Ontario?
- o 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".
 o Have officials in Wayne County declared a state of emergency?
 o What is Wayne County doing to assist in this emergency?
 o Will you have a press conference?
- o Has there been a problem at the Ginna Plant?
- 0930 o I live down on Knickerbocker near the Ontario Water District plant....Have any chemicals or radiation been released yet?
 o Is the problem under control?
 o Should we leave our home because of the mishap at the plant? We're very concerned about this.
- o What's the problem at your plant?
 o When will the emergency be over?
- o What caused the problem at Ginna?
 o My neighbor's a cop....we says you've got a security problem. How bad is it?
- 0945 o My daughter and a friend are out shopping in Ontario.
 o How are they going to be warned about the plant problem?
 o We live in Walworth...are we safe?
 o Are you going to block off the roads...my daughter needs to be able to drive back home!
- o What's happening at the nuclear plant?



- o Is your problem at Russell or Ginna?
- o Who caused the accident?

- o My mother works in the library in Ontario.
- o How do they know there's problem?
- o Are they safe?
- o I can't get through to the library..the line is busy.
- o What do you recommend I do?
- o We live in Marion...are we far enough away?

- o How many security people are at Ginna?
- o Have you called for help?
- o Did the infiltrators cause the chemical release?

- o Is the plant under control now?
- o Will we lose our power because of the accident?

- o Is there a brochure we're supposed to have to tell us what to do?

- o Who is in charge of your emergency?
- o Is it under control?

- o Did terrorists blow up Ginna?

- o I'm calling from Consolidated Edison....could you give me some information about the event this morning at Ginna?

- 1015 o We've lost our emergency information handbook and need one right away. Which Zone do we live in?
o We live on Slocum Road near Kenyon Road - are we going to have to evacuate? We're very close to Ginna!
o Where are we supposed to go if we're told to leave?
- 1030 o What happened at Ginna this morning?
- o What do I do if the sirens blow?
- o Are all RG&E's plants under attack?
o What happened this morning?
o Have you captured the people involved?
- o Are the plants in Oswego having problems too, or is it just Ginna?
o I figure with all the problems recently, some group's sabotaging all the nuke plants around here.
o Where can I buy a radiation instrument to check the outside?
- 1100 o 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?
- o We live in a one-story woodframe 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!
- o Is the Ginna plant running now?
o Will you be blowing the sirens?
o If so, what do we do?

- o I need to know what's going on and what to do.
- o My neighbors are frightenedwe live two miles east of the plant on Furnace Road.
- o Can we go outside?. Are we in danger?
- o Are you people checking the radiation?
- o What are we supposed to do when sirens go off?

- 1130
- o 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?
 - o How do we get checked for radiation? My whole family is feeling nauseated and weak.
 - o Is Wayne County going to be declared a disaster area?
 - o Is this accident as bad as Chernobyl or TMI?
 - o Where do the school kids go? My child goes to Freewill Elementary School.
 - o 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
- o Are schools closing in Williamson...my kids are at the High School.
 - o What are we supposed to do - we live on Route 21 in Williamson.
 - o What should I do for my chickens to protect them from radiation?
 - o I heard Ginna is melting down. Is it true that State people are coming to take over?
 - o We heard the Governor is coming to take charge of Ginna.
 - o How wide an area will be evacuated - 20, 30 miles?
 - o How far is Ginna from Sodus?
 - o Should Sodus residents leave their homes?
 - o Is there a plan for nuclear emergencies?
 - o Is it finished?
 - o Who wrote it and who approved it?
 - o Is RG&E responsible for the accident that happened?

- 1230
- o I heard the siren but now what do we do? We live just down the road from Ginna...and I don't see any leaving the plant....are they all dead?
 - o Would you send out the sheriff's department to check?
 - o What's happening at the Ginna plant?
 - o I'm leaving now. Can I pick my son? He's got a job at Atana's Restaurant in Ontario.
 - o I live in Macedon...we just had a problem a few weeks ago with the drinking water.
 - o Are we going to have to boil our drinking water again because of the plant's radiation?
 - o Can my pets be outside?
- 1300
- o 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.
 - o Which county shelter can I stay at? How do I get there?
 - o Who's going to pay my expenses?
 - o I heard the accident at the Ginna Station is just a false rumor. What's going on?
 - o 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.
 - o Why haven't you made the announcement on radio?
 - o Who's going to guard all the neighbor's houses after they run?
 - o Is the Ginna emergency over yet?
 - o Is the Ginna reactor shut down?
 - o Is the plant burning?



- 1330
- o What is the Ginna problem that occurred this morning?
 - o I've heard people are being asked to leave. Is that true?
 - o Were we supposed to hear the sirens?
 - o What radio channel should we have on?
-
- o Who is running the reactor at Ginna? I hear they were attacked this morning.
-
- o Where is the emergency information in the phone book. I can't find it.
-
- o What should we take if we leave our home?
-
- o How do we get transportation if we don't have a car and need to evacuate? We live on Lakeside Road near Lake Road.
-
- o Is the accident over with at Ginna?
 - o Who's going to pay for the mess you created?

- 1345
- o Is there contamination on the ground now from Ginna?
 - o My homeowners insurance states I'm not covered for nuclear accidents! What do I do now?
 - o Who will check my home and property to make sure there's no radiation? We live on Boston Road.
- o 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?
- o Can we be monitored for nuclear radiation somewhere?
- o Who can we get to check our farm pond to see if there's any contamination?
- o I've also got a well on my property (about 6 miles east of Ginna on Lake Road). Can we still drink from our well?
- o Who can I contact if I have more questions, and I'm sure I will!
- o I'm calling from England.....what kind of plant is Ginna?
- o Has there been a release to the atmosphere?
- o Was there iodine in the release?
- 1400
- o How long will people who evacuate from Wayne ERPA 1 have to stay away from home?
 - o Can homeowners go back and check their homes in the meantime?
 - o What if there's a fire in one of our houses? Are you just going to let it burn?
- o Are residents supposed to take potassium iodide?
- o What is happening at Ginna?
- o We caught some trout just east of the plant this morning, around 8 or 9 am. What should we do with the fish?
- o Is my boat contaminated now and am I?



ATTACHMENT 3

PRESS CORPS QUESTIONS

- o What security response was implemented to handle the intruder at Ginna?
- o Was the person an employee?
- o Was he or she acting alone?
- o How bad a leak occurred?
- o What kind of leak was it - chemical or radiation?
- o Where did it go?
- o Is the reactor stable and under control?
- o Is this plant similar Nine Mile Point?
- o Were any workers injured or contaminated?
- o How much radiation was released around the plant?
- o What protective actions are in effect for Wayne (Monroe) County?
- o How many people live in Wayne (Monroe) County?
- o What are you going to do to manage the situation over the next several hours?
- o How long will the emergency be in effect?
- o When is the next press briefing?
- o How many media representatives are at the News Center?
- o What agencies are at the News Center?
- o Where is the wind heading now?
- o What is the weather forecast? What effect will that have on your recommendations?
- o Who's in charge of the emergency?
- o For any news organization wishing to take footage of Ginna, who do we see at the plant gate?
- o How will home-bound mobility impaired or nursing home patients be protected? ..
- o What exactly does "sheltering" involve..does this apply to any type of home?
- o When can people who have sheltered, stop sheltering?
- o When do you expect to enter "Recovery"? What does that mean exactly?
- o Will there be any further releases?
- o Will the sirens be sounded any further?
- o How do tourists know how to protect themselves?
- o How is the plant getting power now to run its safety systems?
- o Will the shareholders or ratepayers absorb the cost of this mishap?
- o Will Ginna need to be decommissioned?
- o Is this the same type of problem that Ginna experienced in 1982?
- o Who will pay for all the damage to personal property from this accident?



- o 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?
- o Why doesn't RG&E distribute potassium iodide to the public?...do RG&E people get it?
- o How close have you come to a meltdown?
- o How do you know the extent of damage to the Ginna reactor?
- o What problems do you expect the contamination will cause with the apple farms in Wayne County?
- o What effect will the release of radioactivity have on Lake Ontario fish?



ATTACHMENT 4

"SPOUSE PHONE " QUESTIONS

- 0915 o My wife is a secretary at Ginna Station, and I've heard they've had an emergency. How serious is it?
o How long is this accident expected to go on?
o Do you know if workers have evacuated the plant?
o Are the workers all okay?
o Can I pick my wife up? If so, where do I meet her?
- 0945 o 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.
o Do you know for sure if we will have to evacuate?
o If we evacuate, tell Dick that I will go to my parents house.
o Tell him I hope he's okay.
- 1015 o My husband works in the Ginna I&C Department. I can't reach him at Ginna. His name is Sam Poulton.
o 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?
o Has everyone evacuated the plant?
o Were any of the employees hurt?
o How can I reach my husband? He's on blood pressure medication. I need to know he's all right.
- 1045 o My son, Wesley Backus is an auxiliary operator at Ginna.
o What's happening at the plant?
o How bad is it?
o Are the workers in danger? My son works around the back-up safety equipment.
o Are people allowed to call home?
o If he can, have Wesley Backus call home so I can stop worrying.
- 1115 o My son-in-law works at Ginna as a Trainer (Jim Knorr).
o Where are the plant workers now... have they left the plant?
o Is the plant under control now?
o How long will the emergency last?

- 1130 o 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.
- o She said she might be sent to sent to work in the Survey Center. Is everyone there now?
- o Will the workers have to stay at the plant?
- o 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 o My father works at Ginna, and is there now. He works in the Training Center (Jim Huff).
- o Has there been a release?
- o Do they have the plant intruder captured yet?
- o 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

1991 GINNA PLUME EXPOSURE PATHWAY EXERCISE

SCHEDULE OF EVENTS

DATE	TIME	PERSONNEL GROUPS	ACTIVITY
9/9	9-11	ALL (EOF)	PLAYER BRIEFING
	2-4	ALL (TSC)	PLAYER BRIEFING
9/10	8-11	AS ASSIGNED	CONTROLLER BRIEFING
9/11	?	ALL	1991 EXERCISE
9/12	8-10	CONTROLLERS	PRE-CRITIQUE MEETING
9/12	10-11	OPEN	RGE CORPORATE CRITIQUE
9/12	11-12	OPEN	NRC CRITIQUE
9/13	TBD	OPEN	FEMA CRITIQUE



SECTION 7.0
EXERCISE SCENARIO

GINNA STATION
1991 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 90 days.
2. The reactor core is near middle of life. Reactor coolant system boron concentration is 555 ppm.
3. Equilibrium primary coolant isotopic activity as of 0500 hours (9/11/91) is provided in Table 9.2 of Scenario Section 9.3. Total activity is 0.68 microcuries/gram. Chemistry data is provided on Exercise Chemistry Log Sheet available from Controller.
4. The "A" Emergency Diesel Generator is out for corrective maintenance of the engine governor. Crews are working on the governor now and expect to have the "A" Emergency Diesel Generator ready for operation in approximately 2 hours. An A-52.4 is tracking the Limiting Condition for Operation (LCO).
5. The "B" Emergency Diesel Generator is running per T-27.4 (Diesel Generator Operation) to satisfy plant Technical Specifications.
6. The "A" Containment Spray Pump is out for motor bearing replacement. The motor bearings have been replaced and re-assembly has started. An A-52.4 is tracking the LCO.
7. The Reactor Coolant System (RCS) total leakage rate is 0.195 gpm as of 0600 hours this morning and has remained steady for approximately one (1) week. Identified RCS leakage is 0.126 gpm.
8. General weather conditions are partly cloudy, with no current precipitation. For purposes of the Exercise, additional meteorological readings in the Simulator Control Room should be obtained from the PPCS.

GINNA STATION
1991 EMERGENCY PREPAREDNESS EXERCISE
ONSITE SEQUENCE OF EVENTS

<u>APPROPRIATE TIME</u>	<u>SCENARIO TIME</u>	<u>EVENT DESCRIPTION</u>
0615	-00/15	Initial conditions established.
0630	00/00	Announcement to commence Annual Emergency Exercise.
0645	00/15	Security informs the Control Room that a propane truck, while unloading propane to a tank just west of the Screenhouse by the discharge canal had its discharge line blow off and is releasing propane into the atmosphere uncontrollably.
<u>UNUSUAL EVENT</u>		

ANTICIPATED RESULTS

Control Room

An Unusual Event should be declared in accordance with EPIP 1-0, "Ginna Station Event Evaluation and Classification," EAL: Hazards being experienced or projected; near or onsite uncontrolled toxic or flammable gas release reported to operations personnel. 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.

0715	00/45	Normal Plant operation continues.
------	-------	-----------------------------------

APPROPRIATE
TIME

SCENARIO
TIME

EVENT DESCRIPTION

ANTICIPATED RESULTS

Technical Support Center

The Plant Manager, Operations Manager, and Duty Engineer should be manning the TSC for offsite communications assistance per EPIPs.

0725

00/55

Control Room is informed that the propane tank that was releasing is empty.

ANTICIPATED RESULTS

Control Room

Informs higher supervision of the propane tank problem termination.

0730

01/00

ALERT

The Security Shift Supervisor reports to the Shift Supervisor/ Emergency Coordinator that an individual has commandeered a non-vital area of the plant (i.e., the Operations Trailer) and is demanding to speak to the news media.

APPROPRIATE
TIME

ALERT

SCENARIO
TIME

EVENT DESCRIPTION

ANTICIPATED RESULTS

Control Room

An Alert should be declared accordance with EPIP 1-0, "Ginna Station Event Evaluation and Classification, "EAL: Security; on-going security compromise, Example: Adversaries commandeering a non-vital area of the Plant as reported by the Security Shift Supervisor. Appropriate offsite notifications should be made per EPIP 1-5.

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

Security Department

Security should be performing the appropriate actions of their contingency procedures for an on-going security compromise.

APPROPRIATE
TIME

SCENARIO
TIME

EVENT DESCRIPTION

0800

01/30

Normal Plant operations continues.

ANTICIPATED RESULTS

Technical Support Center

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

The TSC, when operational, may send a repair team into the Auxillary Building to expedite the repair of the "A" Containment Spray Pump.

Security Department

Security should be performing the appropriate actions of their contingency procedures for an ongoing security compromise.

0815

01/45

Maintenance informs TSC/Control Room that the "A" Emergency Diesel Generator maintenance is complete.

ANTICIPATED RESULTS

Control Room

Operators should remove holds on the "A" Emergency Diesel Generator and align it per T-27.1 (1A Emergency Diesel Generator Pre-Startup Alignment).

Technical Support Description

The TSC should be tracking the restoration of the "A" Emergency Diesel Generator.

The TSC should be tracking the security compromise problem.



APPROPRIATE
TIME

SCENARIO
TIME

EVENT DESCRIPTION

0815
(Cont.)

01/45

Security Department

Security should be performing the appropriate actions of their contingency procedures for an on-going security compromise.

0845

02/15

Auxiliary Operator(s) lining up the "A" Emergency Diesel Generator inform(s) TSC/Control Room that they have completed T-27.1.

ANTICIPATED RESULTS

Control Room

Operators should run the "A" Emergency Diesel Generator per PT-12.1 (Emergency Diesel Generator 1A) to prove operability when requested to by the TSC or Shift Supervisor.

Technical Support Center

TSC should request the Control Room to start the "A" Emergency Diesel Generator per PT-12.1 to prove operability

TSC should be tracking the security compromise problem.

Security Department

Security should be performing the appropriate actions of their contingency procedures for an on-going security compromise.



APPROPRIATE
TIME

SCENARIO
TIME

EVENT DESCRIPTION

0915

02/45

The "B" Emergency Diesel Generator trips out (due to a pressure switch malfunction).

ANTICIPATED RESULT

Control Room

Operators should re-energize 480 volt Bus 17 with normal offsite power and re-start equipment.

Operators should check Plant Technical Specifications Section 3.7 and enter Specification 3.0.1 and prepare to be in Hot Shutdown in seven hours.

Technical Support Center

TSC should send a repair team out to check out the "B" Emergency Diesel Generator problem.

0920

02/50

The Security compromise has ended with the apprehension of the person commandeering the Operations Trailer.

ANTICIPATED RESULTS

Technical Support Center

TSC should be checking with Security about the ending of the security compromise.

Security Department

Security should be wrapping up the security problem.



APPROPRIATE
TIME

SCENARIO
TIME

EVENT DESCRIPTION

0929

02/59

The "A" Emergency Diesel Generator trips due to an electrical fault in the generator

ANTICIPATED RESULTS

Control Room

Operators check 480 volt Buses 14 and 18 to ensure they are energized.

0930

03/00

Fire Zone S12 (Diesel Room 1A Preaction System) alarm and flow alarms are received in the Control Room.

ANTICIPATED RESULTS

Control Room

Operators sound the Fire Alarm. The Fire Brigade is activated and responds.

0935

03/05

The Fire Brigade arrives at the "A" Emergency Diesel Generator fire scene.

SITE AREA
EMERGENCY

APPROPRIATE
TIME

SCENARIO
TIME

EVENT DESCRIPTION

ANTICIPATED RESULTS

0935
(Cont.)

03/05

Fire Brigade

The Fire Brigade Captain should report to the Control Room/TSC that it appears that the fire is on the Generator but there is too much smoke to be sure.

Fire Brigade Captain to direct proper fire-fighting activities on the "A" Emergency Diesel Generator fire.

NOTE: Offsite fire-fighting assistance is not participating. If assistance is requested, controllers will intercede to prevent offsite fire department response.

Technical Support Center

A Site Area Emergency should be declared in accordance with EPIP 1-0, "Ginna Station Event Evaluation and Classification," EAL: Fire; Fire Compromising the Functions of Safety Systems as determined by the SS/EC. Appropriate notifications of offsite agencies should be made per EPIP 1-5.

If Site Area Emergency is not declared in approximately 15 minutes, a contingency message should be given out to declare it.

APPROPRIATE
TIME

SCENARIO
TIME

EVENT DESCRIPTION

0945

03/15

Control Room

The fire in the "A" Emergency Diesel Generator Room is extinguished. Efforts may commence to determine the damage to the "A" Emergency Diesel Generator.

Fire Brigade

Fire Brigade Captain should report to the Control Room/TSC that the fire is extinguished.

Control Room

Operators start shutting down per 0-2.1.

Technical Support Center

TSC should send a repair team out to check on the damage to the "A" Emergency Diesel Generator.

TSC should be attempting to expedite the repairs to the "B" Emergency Diesel Generator.



APPROPRIATE
TIME

1000

SCENARIO
TIME

03/30

EVENT DESCRIPTION

Power Control informs the Control Room that 34.5 KV Circuit 751 has a failed bushing problem and must be taken out immediately. Power Control states that it will take approximately 2 hours to repair the problem.

ANTICIPATED RESULTS

Control Room

Operators should inform the TSC of the 34.5 KV Circuit 751 problem.

Operators should remove 34.5 KV Circuit 751 from service per Power Control's instruction and operating procedure 0-6.9.2.

Technical Support Center

TSC should be evaluating the loss of both diesels and Circuit 751 problems with respect to electrical power availability to the station (i.e., power sources remaining).

APPROPRIATE
TIME

SCENARIO
TIME

EVENT DESCRIPTION

1030

04/00

Annunciator H-27 (Turbine DRVN Feed pump DC oil pump auto start) and annunciator H-20 (Turbine DRVN Feed pump LO oil press 4.8 psi) alarms.

ANTICIPATED RESULTS

Control Room

Operators should send an auxiliary Operator to check out the Turbine Driven Auxiliary Feed Water Pump problem.

Operators should inform the TSC of the Turbine Driven Auxiliary Feed Water Pump problem.

Operators continue shutting plant down per 0-2.1.

Emergency Operations Facility

EOF should be nearing operational readiness of the Emergency Response Organization.

1040

04/15

Auxiliary Operator sent out to check the Turbine Driven Auxiliary Feedwater Pump oil system reports back that there is an oil leak where the pressurized oil line enters the turbine itself. He requests that the oil pumps be removed from service to stop the leak.

Control Room

Operators should take out the TDAFW pump A.C. and DC oil pumps.

Operators continue shutting down plant per 0-2.1.

APPROPRIATE
TIME

SCENARIO
TIME

EVENT DESCRIPTION

1040
(Cont.)

04/15

Technical Support Center

TSC should send a repair team out to check out the TDAFW pump oil problem.

1050

04/20

The "B" Emergency Diesel Generator Repair Team informs the TSC That the "B" Emergency Diesel problem has been repaired.

ANTICIPATED RESULTS

Technical Support Center

The TSC should inform the Control Room to line up the "B" Emergency Diesel Generator and perform an operability test.

Control Room

Operators should remove any holds on the "B" Emergency Diesel Generator and align it per T-27.2 (1B Emergency Diesel Generator Pre-startup Alignment).

Operators continue shutting Plant down per 0-2.1.

1100

04/30

The control of the scenario will switch from simulator-driven to hard copy-driven.



APPROPRIATE
TIME

1105

SCENARIO
TIME

04/35

EVENT DESCRIPTION

Operators lining up the "B" Emergency Diesel Generator inform TSC/Control Room that they have completed T-27.2.

ANTICIPATED RESULTS

Technical Support Center

TSC Should request the Control Room to start and load the "B" Emergency Diesel Generator per PT-12.2 to prove operability.

Control Room

Operators should run the "B" Emergency Diesel Generator per PT-12.2 to prove operability when requested by the TSC or Shift Supervisor.

Operators continue shutting plant down per 0-2.1.



APPROPRIATE
TIME

1125

SCENARIO
TIME

04/55

EVENT DESCRIPTION

Annunciator AA-18 (Reactor
Coolant Pump Vibration Alert)
alarms.

ANTICIPATED RESULTS

Control Room

Operators should perform the
applicable actions of Alarm
Response procedure AR-AA-18 and
determine that the "A" RCP is
indicating a vibration of 10.5
mils and increasing slowly.

APPROPRIATE
TIME

1130

GENERAL
EMERGENCY

SCENARIO
TIME

05/00

EVENT DESCRIPTION

The following events occur simultaneously:

- o The "A" RCP sustains a locked rotor.
- o The reactor does not trip on Low Flow or High Pressure.
- o Reactor coolant system pressure increases to safety valve setpoint and both pressurizer safety valves open.
- o Reactor core temperatures increase to 2700 degrees F.
- o Containment Vessel high radiation monitor readings increase rapidly.

ANTICIPATED RESULTS

Control Room

Operators perform the immediate actions of E-0 (Reactor Trip or Safety Injection) including manually tripping the reactor.

1131

05/01

- " After reactor trip and subsequent RCS pressure reduction, pressurizer safety valve 434 sticks wide open. The other pressurizer safety valve closes.

ANTICIPATED RESULTS

Control Room

Operators performing the actions of E-0 and possibly ES-0.1 (Reactor Trip Response).

Operators inform TSC of Plant conditions.



APPROPRIATE
TIME

1131
(Cont.)

SCENARIO
TIME

05/01

EVENT DESCRIPTION

Technical Support Center

TSC assesses Plant conditions and informs the EOF of the conditions.

Emergency Operations Facility

EOF after assessing Plant conditions should:

Declare a General Emergency in accordance with EPIP 1-0, "Ginna Station Event Evaluation and Classification," EAL: Loss of engineered safety features; inability to shut down the reactor which results in core damage. Indications of this might include:

- o Reactor remains at power after reactor trip initiated.
- o RCS pressure above safety valve setting 2485 PSIG.

- or -

EAL: Fuel Damage; RX Vessel Thermocouples Greater Than 1200 Degrees F.

Appropriate notifications of offsite agencies should be made per EPIP 1-5.

Immediate protective action recommendations should be made per EPIP 2-1.

If General Emergency not declared in approximately 15 minutes, a contingency message should be given out to declare it.

APPROPRIATE
TIME

SCENARIO
TIME

EVENT DESCRIPTION

1133

05/03

Safety injection is actuated due to low pressurizer pressure.

All safeguard equipment operates except the "A" Emergency Diesel Generator (Generator Fire Damage) and the "A" RHR pump. The "A" RHR pump will not start when manual attempts are made.

ANTICIPATED RESULTS

Technical Support Center/
Emergency Operations Facility

TSC/EOF performing the actions of EPIP 1-5.

Immediate protective action recommendations should be made per EPIP 2-1.

Control Room

Operators performing the actions of E-0 (Reactor Trip of Safety Injection).

1145

05/15

Accident response and evaluation continues.

ANTICIPATED RESULTS

Control Room

Operators performing the actions of E-0 to stabilize the Plant.

Technical Support Center/
Emergency Operations Facility

TSC/EOF performing the actions of EPIP 1-5 and EPIP 2-1.

APPROPRIATE
TIME

SCENARIO
TIME

EVENT DESCRIPTION

1146

05/30

The open pressurizer safety valve 434 closes and re-seats.

ANTICIPATED RESULTS

Control Room

Operators performing the actions of required emergency procedures to stabilize the Plant.

Technical Support Center

TSC evaluating Plant conditions.

Emergency Operations Facility

EOF evaluating Plant status and performing "what-if" offsite dose calculations.

1205

05/35

Annunciator A-5 (CCW Surge Tank Hi Level 58.8%) alarms. R-17 alarms also.

ANTICIPATED RESULTS

Control Room

Operators should check CCW Surge tank level and notice that it is increasing rapidly.

Operators should refer to AP-CCW.1 (Leakage into the Component Cooling Loop) and perform the applicable actions such as closing AOV-754A to stop leak.

When operators try to close AOV-754A, it will not close.



APPROPRIATE
TIME

1215

SCENARIO
TIME

05/45

EVENT DESCRIPTION

Radiation levels in the Auxiliary Building increase rapidly. This activity is due to the CCW Surge Tank relieving to the Waste Holdup Tank (WHUT).

Release path: Out the "A" RCP Thermal Barrier to the CCW Surge Tank, Out the CCW Surge Tank relief Valve to the WHUT, OUT the WHUT Tank vent to the Plant Vent And out the Plant Vent.

ANTICIPATED RESULTS

Control Room

Operators still working on stabilizing the Plant per emergency procedures.

Operators inform TSC that AOV-754A will not close.

Technical Support Center

TSC should be working on isolating the leak in the Auxiliary Building. If they decide to have the Control Room close MOV-759A to isolate the leak, it will not close electrically.

If TSC sends a team into the Auxiliary Building to close MOV-759A, we will allow them to do all that is necessary to close the valve but will not consider the valve closed until 1345 hrs due to scenario requirements.

Even if TSC does not send a team into close MOV-759A, AOV-754A will free itself and close at 1345 hrs to isolate the CCW leak.

TSC should send a repair team out to check on the "A" RHR pump failure to start problem.

<u>APPROPRIATE TIME</u>	<u>SCENARIO TIME</u>	<u>EVENT DESCRIPTION</u>
1215 (Cont.)	05/45	<u>Emergency Operations Facility</u> Efforts are underway to track the plum, perform dose projections and implement/coordinate PARs.
1245	06/15	Accident response and assessment continues. <u>ANTICIPATED RESULTS</u> <u>Control Room</u> Operators still working on stabilizing the Plant per emergency procedures. <u>Technical Support Center</u> TSC should be checking on the repair progress of the Turbine Driven Auxiliary Feedwater Pump oil system. TSC should be checking on restoration of 34.5 KV Circuit 751. TSC may still be working on isolating the CCW leak in the Auxiliary Building. If they decide to have Control Room close MOV-759A, it will not close electrically. If TSC sends a team into the Auxiliary Building to close MOV-759A, we will allow them to do all that is necessary to close the valve but will not consider the valve closed until 1345 hrs due to scenario requirements. Even if TSC does not send a team into close MOV-759A, AOV-754A will free itself and close to isolate the CCW leak at 1345 hrs.

APPROPRIATE
TIME

SCENARIO
TIME

EVENT DESCRIPTION

1245
(Cont.)

06/15

Emergency Operations Facility

Efforts are continuing to track the plume, perform dose assessment and implement/coordinate PARS (assisted by TSC).

1315

06/45

Accident response and assessment continues.

The 34.5 KV Circuit 751 is cleared for return to service.

ANTICIPATED RESULTS

Control Room

Operators still working on stabilizing the Plant per emergency procedures.

Operators should return 34.5 KV Circuit 751 to service.

Technical Support Center

TSC should be checking on "A" Containment Spray Pump maintenance.

TSC should be checking on "A" Emergency Diesel Generator condition due to the fire in the generator.

TSC should be checking on the Turbine Driven Auxiliary Feedwater Pump repair.

TSC should be checking on the "A" RHR Pump failure to start repair.

TSC may still be working on isolating the CCW leak in the Auxiliary Building. If they decide to have the Control Room close MOV-759A, it will not close electrically.



APPROPRIATE
TIME

SCENARIO
TIME

EVENT DESCRIPTION

1315
(Cont.)

06/45

If TSC sends a team into the Auxiliary Building to close MOV-759A, we will allow them to do all that is necessary to close the valve, but will not consider the valve closed until 1345 hr due to scenario requirements.

Even if TSC does not send a team into close MOV-759A, AOV-754A will free itself and close to isolate the CCW leak at 1345 hrs.

Emergency Operations Facility

Efforts are continuing to assess the accident, track the plume, perform dose assessment and implement/coordinate PARS (assisted by the TSC).

1345

07/15

AOV-754A frees itself and closes to isolate the RCS leak to Auxiliary Building. MOV-759A will be considered closed at this time if the TSC sent a team in earlier to close it.

ANTICIPATED RESULTS

Control Room

Operations should realize that the leak is isolated and take appropriate action to return the CCW System to normal (i.e., Surge Tank level and pressure).

Operations should inform the TSC that the leak is isolated.

Technical Support Center

TSC should inform the EOF that the RCS leak to Auxiliary Building is isolated. TSC should also be assessing Plant conditions and equipment availability.

APPROPRIATE
TIME

SCENARIO
TIME

EVENT DESCRIPTION

1345

07/15

Emergency Operations Facility

Efforts are continuing to assess the accident, track the plume, perform dose assessment and implement/coordinate PARS (assisted by the TSC).

1400

07/30

Accident response and assessment continues. Offsite radiation levels near the Ginna Plant are starting to drop due to the isolation of the source of the radioactive leak.

ANTICIPATED RESULTS

Control Room

Operations should be stabilizing in the Plant.

Technical Support Center

TSC should be assessing Plant conditions and equipment availability.

Emergency Operations Facility

Efforts are continuing to assess the accident, track the plume, perform dose assessment and implement/coordinate PARS (assisted by the TSC).

APPROPRIATE
TIME

SCENARIO
TIME

EVENT DESCRIPTION

1415

07/45

Recovery/re-entry discussions should commence. This should include preliminary discussions about short-term and intermediate term concerns including preliminary designation of the Recovery Organization. .

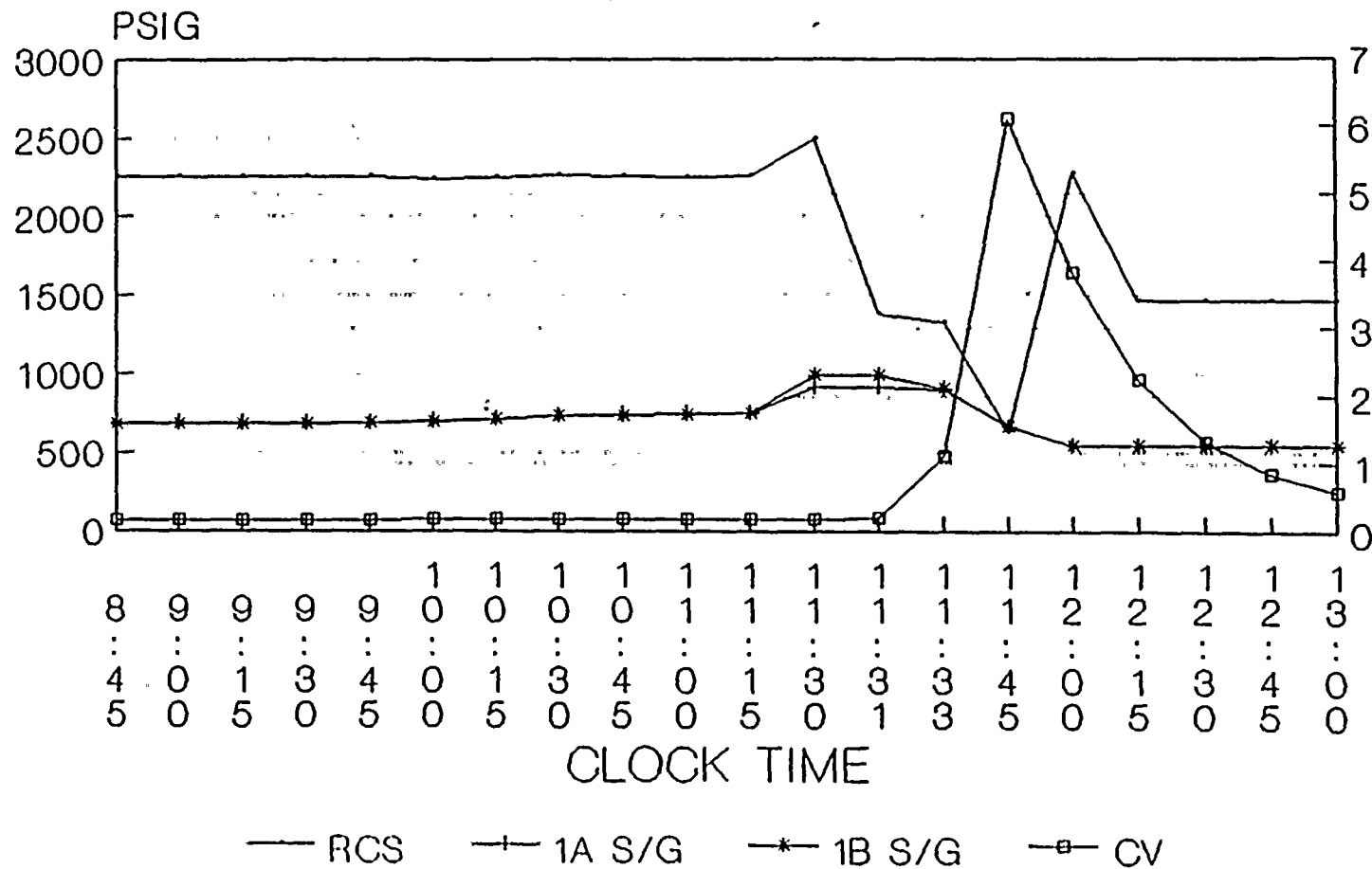
State and Countries may also conduct parallel discussions. Recovery/re-entry interface between the TSC/EOF and offsite agencies should be demonstrated as time allows.

1500

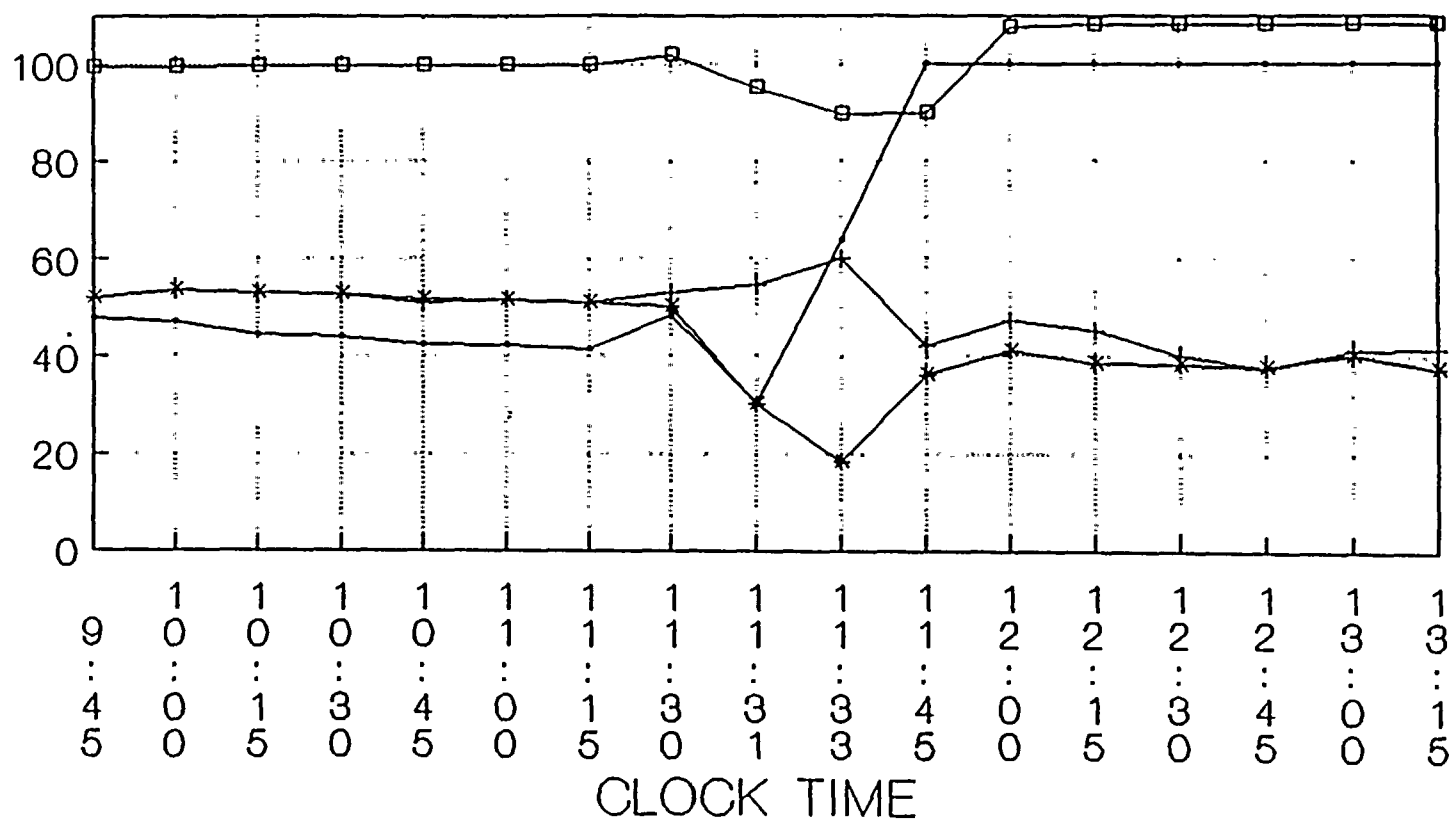
08/00

After all Exercise objective have been demonstrated, the Exercise will be terminated.

SYSTEM PRESSURES RCS, SECONDARY & CV

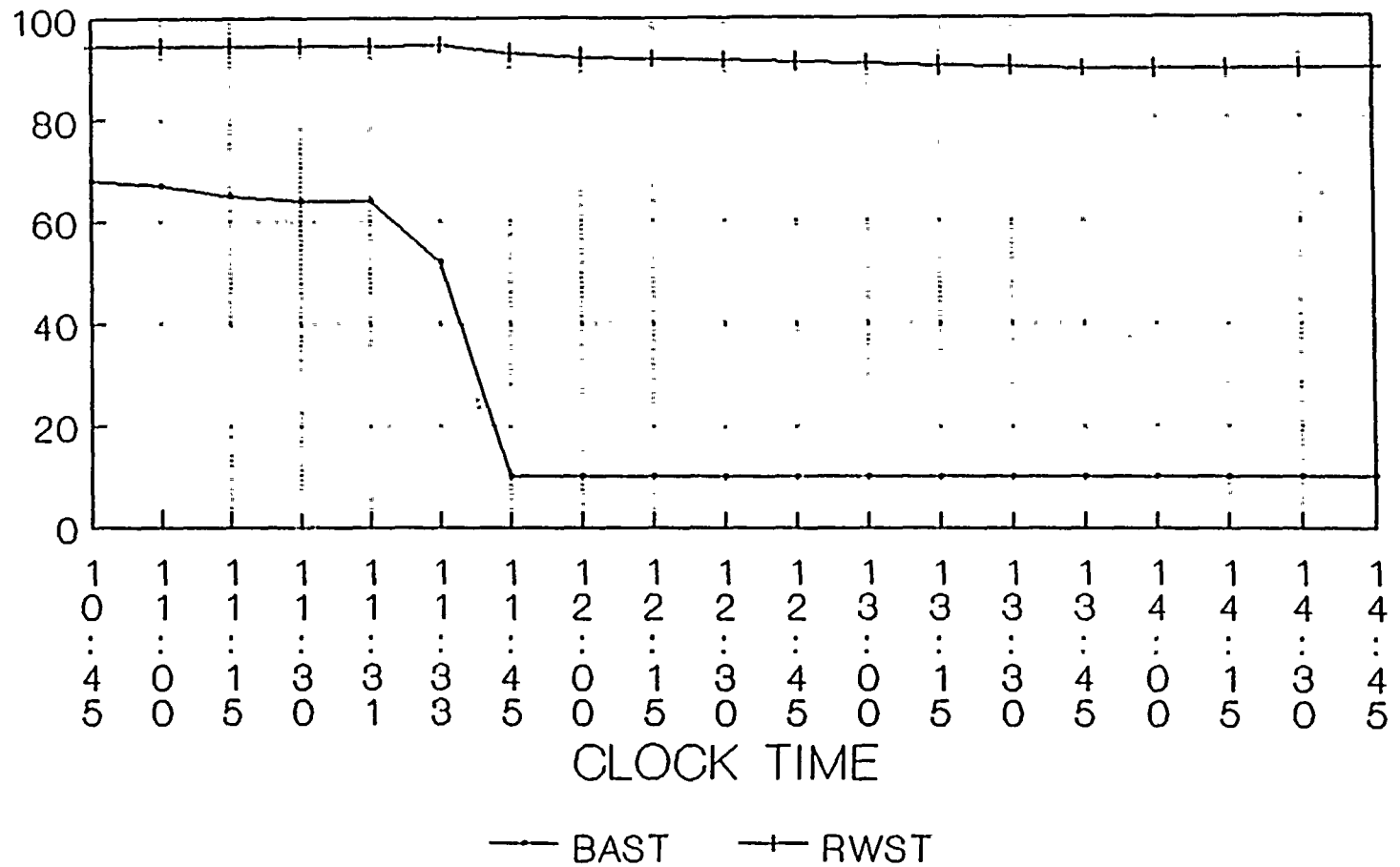


LEVEL INDICATION TRENDS PRESSURIZER, S/G, RVLIS (%)

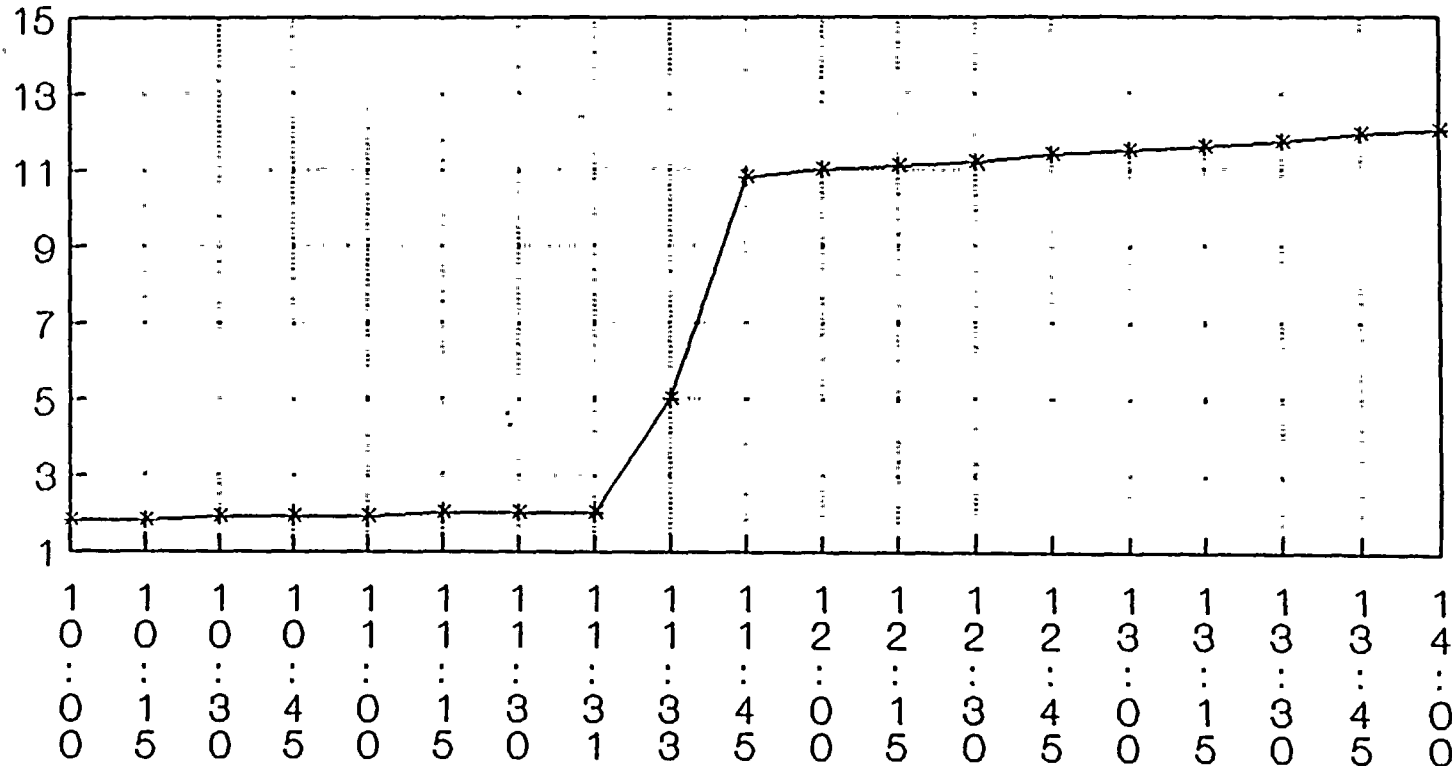


— PRESSURIZER + 1A S/G LEVEL * 1B S/G LEVEL □ RVLIS

TANK LEVEL TRENDS BAST, RWST (%)



SUMP A LEVEL TREND (FEET)



CLOCK TIME

—*— SUMP A

SECTION 8.0

MESSAGE FORMS AND PLANT DATA SHEETS



MESSAGES

IC.	0615	
1.	0630	Exercise Pre-announcement
2.	0645	Propane Tank Leak (Unusual Event)
3x.	0645	Propane Tank Leak Mini-Scenario
4.	0700	Plant Status
5x.	0700	Unusual Event Contingency Message
6.	0715	Plant Status
7x.	0725	Propane Tank Leak Termination
8x.	0730	Security Event Mini-Scenario
9.	0730	Plant Status (Alert)
10x.	0745	Alert Contingency Message
11.	0745	Plant Status
12.	0800	Plant Status
13.	0815	Plant Status and "A" D/G Completed
14x.	0815	"A" Containment Spray Pump Mini-Scenario
15.	0830	Plant Status
16x.	0845	"A" D/G Lineup Complete
17.	0845	Plant Status and Test of "A" D/G
18.	0900	Plant Status
19.	0915	Plant Status and "B" D/G Trips
20x.	0915	Auxiliary Operator Information for "B" D/G Trip
21x.	0920	Security Event Terminated
22x.	0921	"A" D/G Trip
23.	0930	Plant Status and "A" D/G Fire Alarm
24x.	0935	"A" D/G Fire Mini-Scenario
25x.	0935	"B" D/G Mini-Scenario
26.	0935	Mini Plant Status and (Site Emergency)
27x.	0940	"A" D/G Fire is Out
28.	0945	Plant Status
29x.	0950	Site Area Emergency Contingency Message
30.	1000	Plant Status and Circuit 751 Problem
31x.	1000	"A" D/G Fire Repair Mini-Scenario
32.	1015	Plant Status
33.	1030	Plant Status and TDAFWP Oil System Problem
34x.	1040	Auxiliary Operator Information for TDAFWP Oil System Problem
35x.	1045	TDAFWP Mini-Scenario
36.	1045	Plant Status
37x.	1050	"B" D/G Overspeed Problem Repaired
38.	1100	Plant Status (Switch from Simulator to Hard Copy)
39x.	1105	"B" D/G Lineup Completed
40.	1115	Plant Status
41.	1125	"A" RCP Vibration Alarm
42.	1130	Plant Status, Locked "A" RCP Rotor, ATWS
43.	1131	Plant Status and Pressurizer Safety Sticks Open (General Emergency)
44.	1133	Mini Plant Status and Safety Injection
45.	1145	Plant Status
46x.	1146	General Emergency Contingency Message



MESSAGES (continued)

47.	1146	Safety Valve Closes
48.	1200	Plant Status
49x.	1200	"A" RHR Pump Mini-Scenario
50.	1205	Mini Plant Status and CCW In Leakage
51.	1210	Mini Plant Status and CCW In Leakage Info
52.	1215	Plant Status and Auxiliary Building Release Starts
53x.	1230	MOV-759A Closing Mini-Scenario
54.	1230	Plant Status
55.	1245	Plant Status
56.	1300	Plant Status
57.	1315	Plant Status and Circuit 751 Operable
58.	1330	Plant Status
59.	1345	Plant Status and AOV-754A Closes (RCS/CCW Leak Stopped).
60.	1400	Plant Status
61.	1415	Plant Status, Recovery
62.	1430	Plant Status, Recovery
63.	1445	Plant Status, Recovery
64.	1500	Plant Status and Exercise Termination



MINI-SCENARIOS

1. Propane Tank Leak Mini-Scenario
2. "A" Containment Spray Pump Mini-Scenario
3. "A" D/G Fire Mini-Scenario
4. "B" D/G Pressure Switch Malfunction Mini-Scenario
5. "A" D/G Fire Repair Mini-Scenario
6. TDAFWP Oil System Problem Mini-Scenario
7. "A" RHR Pump Failure to Start Mini-Scenario
8. MOV-759A Manual Closing Mini-Scenario
9. Security Compromise Mini-Scenario

CONTROLLERS

1. Propane Tank Leak Mini-Scenario ; 0645 - Fire & Safety
2. Security Compromise Mini-Scenario ; 0730
3. "A" Containment Spray Pump Mini-Scenario ; 0815 - Mech
4. Auxiliary Operator Information for "B" D/G Trip Problem ; 0915 - Ops
5. "A" D/G Fire Mini-Scenario ; 0935 - Fire & Safety
6. "B" D/G Pressure Switch Malfunction Repair Mini-Scenario ; 0915 - I&C
7. "A" D/G Fire Repair Mini-Scenario ; 1000 - Elec
8. Auxiliary Operator Information for TDAFWP Oil System Problem ; 1040 - Ops
9. Auxiliary Operator Information for T-27.2, "B" D/G Lineup ; 1050 - Ops
10. "A" RHR Pump Failure to Start Mini-Scenario ; 1200 - Elec
11. MOV-759A Manual Closing Mini-Scenario ; 1230 - Ops
12. TDAFWP Oil System Problem Mini-Scenario ; 1045 - Pipe
13. Auxiliary Operator Information for T-27.1, "A" D/G Lineup ; 0815 - Ops



Time: 0615
Message: I.C.

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See 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 not normal (pre-staging, simulated notifications, extent of participation of off-site agencies, etc.).
- 3) Ensure that the operating crew understands that the Exercise is not to interfere with safe Plant operation.
- 4) Explain that abbreviation "OOS" means "out of service," i.e. repairs must be made before the equipment can be used.

Actions Expected:

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

GINNA STATION
1991 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 90 days.
2. The reactor core is near middle of life. Reactor coolant system boron concentration is 555 ppm.
3. Equilibrium primary coolant isotopic activity as of 0500 hours (9/11/91) is provided in Table 9.2 of Scenario Section 9.3. Total activity is 0.68 microcuries/gram. Chemistry data is provided on Exercise Chemistry Log Sheet available from Controller.
4. The "A" Emergency Diesel Generator is out for corrective maintenance of the engine governor. Crews are working on the governor now and expect to have the "A" Emergency Diesel Generator ready for operation in approximately 2 hours. An A-52.4 is tracking the Limiting Condition for Operation (LCO).
5. The "B" Emergency Diesel Generator is running per T-27.4 (Diesel Generator Operation) to satisfy plant Technical Specifications.
6. The "A" Containment Spray Pump is out for motor bearing replacement. The motor bearings have been replaced and re-assembly has started. An A-52.4 is tracking the LCO.
7. The Reactor Coolant System (RCS) total leakage rate is 0.195 gpm as of 0600 hours this morning and has remained steady for approximately one (1) week. Identified RCS leakage is 0.126 gpm.
8. General weather conditions are partly cloudy, with no current precipitation. For purposes of the Exercise, additional meteorological readings in the Simulator Control Room should be obtained from the PPCS.



1991 EVALUATED EXERCISE

Time: 0615MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>6.95x10⁻⁴</u> AMPS
N-36	<u>6.42x10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>98.01</u> %
RCS Pressure	<u>2252</u> PSIG
PRZR Level	<u>48.2</u> %
A RCP	<u>RUNNING</u> /STOPPED
B RCP	<u>RUNNING</u> /STOPPED
1A S/G Level	<u>51.8</u> %
1B S/G Level	<u>51.9</u> %
1A S/G Pressure	<u>687</u> PSIG
1B S/G Pressure	<u>686</u> PSIG
Turbine/Generator	<u>ONLINE</u> /OFFLINE
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries A/B	<u>30</u> VOLTS
Cnmt Pressure	<u>0.13</u> PSIG
Cnmt Sump A Level	<u>1.4</u> FEET
Cnmt Sump B Level	<u>8</u> INCHES
A Loop Hot Leg	<u>600.5</u> OF
A Loop Cold Leg	<u>544.2</u> OF
B Loop Hot Leg	<u>600.5</u> OF
B Loop Cold Leg	<u>545.7</u> OF
RVLIS	<u>99.6</u> %
*CET	<u>610.2</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> 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 21.5 FEET

ENGINEERED SAFEGUARDSHigh 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 = 71 %

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/CLOSEDService Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 82/74 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 5 %

Standby Aux. Feedwater Pumps

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

CET = Average of Selected Core Exit Thermocouples



TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT1GROUP DESCRIPTION
PLANT STATUS=DON'T MODIFY

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	6000	
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	6000	
3	K31	SOURCE RANGE DETECTOR N-31	1.00000+00	INH8	CPS
4	K32	SOURCE RANGE DETECTOR N-32	1.00000+00	INH8	CPS
5	K35	INTERMEDIATE RANGE DETECTOR N-35	6.95022-04	INH8	AMP
6	K36	INTERMEDIATE RANGE DETECTOR N-36	6.42686-04	INH8	AMP
7	NP	AVERAGE NUCLEAR POWER	98.09	6000	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2252.	6000	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	48.2	6000	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.6	6000	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.3	6000	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	6000	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	6000	
14	TSUBTC	INORE TC SUBCOOLED MARGIN	37.9	600*	DEGF
15	L5GA	STM GEN A NARROW RANGE AVG LEVEL	51.8	6000	%
16	L5GB	STM GEN B NARROW RANGE AVG LEVEL	51.9	6000	%
17	PSGA	STM GEN A AVERAGE PRESSURE	687.	6000	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	686.	6000	PSIG
19	GEN8KR1	GENERATOR ON LINE BREAKER 161372	NOT TRIP	6000	
20	GEN8KR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	6000	
	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	6000	
	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	6000	
	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	6000	
	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	6000	
	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	6000	
	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	6000	
27	PCV	CONTAINMENT AVERAGE PRESSURE	.13	6000	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	1.4	6000	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	6000	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	6000	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	6000	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	6000	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	6000	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	6000	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	6000	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	6000	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	6000	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	6000	
39	T0409A	RCLA HOT LEG TEMPERATURE	600.5	6000	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	600.5	6000	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	544.2	6000	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.7	6000	DEGF
43	TAV6AW1D	RCLA TAVG (THOT/TCOLD WIDE RNG)	572.4	6000	DEGF



GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS=DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS	
D	TAVGBWID	ROLD TAVG (THOT/TCOLD WIDE RWS)	573.1	6000	DEGF
	LRV	REACTOR VESSEL AVERAGE LEVEL	99.6	6000	%
46	TCORE	E1.1 INCORE TC AVERAGE TEMP	610.2	600*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	6000	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	6000	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	6000	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	6000	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	6000	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	6000	
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	6000	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	6000	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	82.	6000	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	74.	6000	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	6000	
58	BKR042	SERVICE WATER PUMP B	ON	6000	
59	BKR043	SERVICE WATER PUMP C	OFF	6000	
60	BKR044	SERVICE WATER PUMP D	ON	6000	

E-0-J



Time: 0630
Message: 1

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room Shift Supervisor

Simulated Plant Conditions: See 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 1991 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.

Actions Expected:

- 2) Actual Control Room to make PA announcement.



MAJOR PARAMETERS

Reactor Shutdown	YES <u>(NO)</u>
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>6.45×10^{-4}</u> AMPS
N-36	<u>6.42×10^{-4}</u> AMPS
Avg. Nuclear Power	<u>98.09</u> %
RCS Pressure	<u>2252</u> PSIG
PRZR Level	<u>48.2</u> %
A RCP	<u>(RUNNING)</u> STOPPED
B RCP	<u>(RUNNING)</u> STOPPED
1A S/G Level	<u>51.8</u> %
1B S/G Level	<u>51.9</u> %
1A S/G Pressure	<u>687</u> PSIG
1B S/G Pressure	<u>686</u> PSIG
Turbine/Generator	<u>(ONLINE)</u> OFFLINE
4 KV Buses	<u>(ENERGIZED)</u> DEENERGIZED
480V Buses	<u>(ENERGIZED)</u> DEENERGIZED
DC Batteries	A <u>130</u> VOLTS B <u>130</u> VOLTS
Cmnt Pressure	<u>.13</u> PSIG
Cmnt Sump A Level	<u>1.4</u> FEET
Cmnt Sump B Level	<u>< 8</u> INCHES
A Loop Hot Leg	<u>600.5</u> OF
A Loop Cold Leg	<u>544.2</u> OF
B Loop Hot Leg	<u>600.5</u> OF
B Loop Cold Leg	<u>545.7</u> OF
RVLIS	<u>99.6</u> %
*CET	<u>610.2</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> 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 21.5 FEET

ENGINEERED SAFEGUARDSHigh 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 = 71 %

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 82.74 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 NAME
EVENT1GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	6.95022-04	INHB AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	6.42686-04	INHB AMP
7	NP	AVERAGE NUCLEAR POWER	98.09	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2252.	GOOD PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	48.2	GOOD %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.6	GOOD %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.3	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	37.9	GOOD* DEGF
15	LSSA	STM GEN A NARROW RANGE AVG LEVEL	51.8	GOOD %
16	LSSB	STM GEN B NARROW RANGE AVG LEVEL	51.9	GOOD %
17	PSSA	STM GEN A AVERAGE PRESSURE	687.	GOOD PSIG
18	PSSB	STM GEN B AVERAGE PRESSURE	686.	GOOD PSIG
19	GENBR1	GENERATOR ON LINE BREAKER 161372	NOT TRIP	GOOD
20	GENBR2	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	1.4	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	600.5	GOOD DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	600.5	GOOD DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	544.2	GOOD DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.7	GOOD DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RING)	572.4	GOOD DEGF



GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS	
D	TAV6BNID	RCLB TAV6 (THOT/TCOLD WIDE RNS)	573.1	6000	DEGF
	LRY	REACTOR VESSAL AVERAGE LEVEL	99.6	6000	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	610.2	600*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	6000	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	6000	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	6000	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	6000	
51	V3S05	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	6000	
52	V3S04	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	6000	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	6000	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	6000	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	82.	6000	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	74.	6000	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	6000	
58	BKR042	SERVICE WATER PUMP B	ON	6000	
59	BKR043	SERVICE WATER PUMP C	OFF	6000	
60	BKR044	SERVICE WATER PUMP D	ON	6000	

E-0-J



Time: 0645
Message: 2

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Security should notify Control Room that a propane truck, while unloading propane to a tank by the Screenhouse, had its tank discharge line blow off and is releasing propane into the atmosphere uncontrollably. (See Message 3X)

Actions Expected:

- 1) Control Room may call out the Fire Brigade to respond to the flammable gas release.
- 2) An Unusual Event should be declared in accordance with EPIP 1-0, "Ginna Station Event Evaluation and Classification," EAL: Hazards being experienced or projected; near or onsite uncontrolled toxic or flammable gas release reported to operations personnel.
- 3) Implement EPIP 1-1, "Unusual Event."
 - a) Make notifications per EPIP 1-5.
 - b) Assess and monitor Plant conditions. Update offsite agencies at least hourly and whenever there are significant changes in Plant status.



MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>6.45x10⁻⁴</u> AMPS
N-36	<u>6.43x10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>98.06</u> %
RCS Pressure	<u>2257</u> PSIG
PRZR Level	<u>48.1</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>51.9</u> %
1B S/G Level	<u>51.9</u> %
1A S/G Pressure	<u>687</u> PSIG
1B S/G Pressure	<u>686</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	A/ <u>30</u> VOLTS B/ <u>30</u> VOLTS
Cmnt Pressure	<u>1.3</u> PSIG
Cmnt Sump A Level	<u>1.5</u> FEET
Cmnt Sump B Level	<u>5.8</u> INCHES
A Loop Hot Leg	<u>600.5</u> OF
A Loop Cold Leg	<u>544.2</u> OF
B Loop Hot Leg	<u>600.5</u> OF
B Loop Cold Leg	<u>545.7</u> OF
RVLIS	<u>99.6</u> %
*CET	<u>610.2</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> 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 21.0 FEET

ENGINEERED SAFEGUARDSHigh 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 = 71 %

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 82/74 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 NAME
EVENT1GROUP DESCRIPTION
PLANT STATUS-DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	6.95022-04	INHB AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	6.42686-04	INHB AMP
7	NP	AVERAGE NUCLEAR POWER	98.06	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2251.	GOOD PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	48.1	GOOD %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.7	GOOD %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.3	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	37.9	GOOD* DEGF
15	LSSA	STM GEN A NARROW RANGE AVG LEVEL	51.9	GOOD %
16	LSSB	STM GEN B NARROW RANGE AVG LEVEL	51.9	GOOD %
17	PSGA	STM GEN A AVERAGE PRESSURE	687.	GOOD PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	686.	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	1.5	GOOD FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	GOOD
30	L0943E	SUMP B LEVEL 6 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	600.5	GOOD DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	600.5	GOOD DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	544.2	GOOD DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.7	GOOD DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	572.4	GOOD DEGF



GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
TAVEBNID	ROLD TAVG (THOT/TCOLD WIDE RNS)	573.1	6000	DEGF
LRV	REACTOR VESSAL AVERAGE LEVEL	99.6	6000	%
46	TCORE	610.2	600*	DEGF
47	FAUXFWA	0.	6000	GPM
48	FAUXFWB	0.	6000	GPM
49	BKR081	OFF	6000	
50	BKR082	OFF	6000	
51	V3505	CLOSED	6000	
52	V3504	CLOSED	6000	
53	FSIA	0.	6000	GPM
54	FSIB	0.	6000	GPM
55	P2160	82.	6000	PSIG
56	P2161	74.	6000	PSIG
57	BKR041	ON	6000	
58	BKR042	ON	6000	
59	BKR043	OFF	6000	
60	BKR044	ON	6000	

E-0-J



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

06:45:30

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1656.	G000	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	G000	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.5	G000	MPH
4	W0033	33 FOOT LEVEL WIND DIRECTION	337.	G000	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	58.9	G000	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	59.9	G000	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	1.0	G000	DEGF
8	R01	AREA 1-CONTROL ROOM	8.52214-02	G000	MR/H
9	R02	AREA 2-CONTAINMENT	6.98678-00	G000	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.16946-01	G000	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.76701-01	G000	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.98354-02	G000	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.26283-01	G000	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44819+03	G000	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.53901+03	G000	CPM
16	R12	CONTAINMENT GAS MONITOR	2.86002+03	G000	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.23543+01	G000	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.53327+01	G000	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.26765+01	G000	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.57658+03	G000	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.53174+03	G000	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.97861-01	G000	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.00440+00	G000	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.43583+02	G000	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.09126-07	G000	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.75990-02	G000	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.23104-05	G000	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.11732-03	G000	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.18826-06	G000	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.82523-05	G000	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.96907-03	G000	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.14589-06	G000	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.23537-05	G000	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.85036-04	G000	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.69040-02	G000	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.75178-03	G000	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	G000	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.2	G000	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.2	G000	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.6	G000	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	99.8	G000	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.3	G000	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.6	G000	DEGF

E-O-J



Time: 0645
Message: 3X

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message: Propane Tank Release Information

Simulated Plant Conditions: See attached Mini-Scenario

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

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Controller provides information at times outlined in the Mini-Scenario.

Actions Expected:

- 2) As in Mini-Scenario.



ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

MINI SCENARIO

TITLE: PROPANE TANK RELEASE
(Between 0645 and 0725)

INITIAL CONDITIONS:

Plant conditions are as provided in Main Scenario.

METHOD OF INITIATION:

At 0645, the Controller will call the Control Room, Ext. 231/235, posing as a Security Officer, informing them of the following event:

- o THIS IS AN EXERCISE
- o A propane truck, while unloading propane to a tank just west of the Screenhouse by discharge canal, had its discharge line break off and is releasing propane into the atmosphere uncontrollably.

INDICATIONS:

None

EXPECTED SEQUENCE OF ACTIONS:

- o The Control Room may call the Fire and Safety Coordinator to cordon off the area.
- o The Control Room may call out the Fire Brigade to investigate and cordon off the area.
- o When Control Room is informed of the propane release termination, they should inform higher supervision of this.

FINAL CONDITIONS:

At 0725, the Controller will either inform whoever is in charge of mitigating the propane release (i.e., Fire and Safety Coordinator or if nobody coordinating, the Control Room), that the propane tank that was releasing is empty and no longer releasing (see Message 7X).



GINNA STATION
1991 EVALUATED EXERCISE
MINI-SCENARIO

Activity: Propane tank release information for 0645 and 0725.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) At 0645 the Controller will call the Control Room, posing as a security officer, informing them of the following event: A propane tank by the Screenhouse, had its tank discharge line blow off and is releasing propane into the atmosphere.
- 2) At 0725 the Controller will either inform whoever is in charge of mitigating the propane release (i.e. Fire and Safety coordinator or if nobody coordinating, The Control Room, that the propane tank that was releasing is empty and no longer releasing (see Message 7X).

Actions Expected:

- 1) The Control Room may call the Fire and Safety Coordinator to cordon off the area.
- 2) The Control Room may call out the Fire Brigade to investigate and cordon off the area.
- 3) When the Control Room is informed of the propane release termination, they should inform higher supervision of this.



Time: 0700
Message: 4

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See attached sheets

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

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Unusual Event should have been declared due to onsite uncontrolled flammable gas release (See message 5X).

Actions Expected:

- 1) The Plant Manager, Operations Manager, and Duty Engineer should be providing communication support to the Control Room per EPIP 5-7.
- 2) The Manager of Public Affairs should be in communications with the TSC or Control Room for possible media information.



MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>6.92x10⁻⁴</u> AMPS
N-36	<u>6.43x10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>98.04</u> %
RCS Pressure	<u>2251</u> PSIG
PRZR Level	<u>48.1</u> %
A RCP	<u>RUNNING</u> /STOPPED
B RCP	<u>RUNNING</u> /STOPPED
1A S/G Level	<u>52.0</u> %
1B S/G Level	<u>52.0</u> %
1A S/G Pressure	<u>686</u> PSIG
1B S/G Pressure	<u>685</u> PSIG
Turbine/Generator	<u>ONLINE</u> /OFFLINE
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	A/ <u>30</u> VOLTS B/ <u>30</u> VOLTS
Cnmt Pressure	<u>.13</u> PSIG
Cnmt Sump A Level	<u>1.5</u> FEET
Cnmt Sump B Level	<u><8</u> INCHES
A Loop Hot Leg	<u>600.2</u> OF
A Loop Cold Leg	<u>544.2</u> OF
B Loop Hot Leg	<u>600.2</u> OF
B Loop Cold Leg	<u>545.7</u> OF
RVLIS	<u>99.6</u> %
*CET	<u>610.2</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> 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 21.0 FEET

ENGINEERED SAFEGUARDSHigh 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 = 71 %

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 82.74 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 NAME GROUP DESCRIPTION
EVENT1 PLANT STATUS*DON'T MODIFY

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	98.04	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2251.	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	48.1	GOOD	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.7	GOOD	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.3	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	37.9	GOOD*	DEGF
15	L5GA	STM GEN A NARROW RANGE AVG LEVEL	52.0	GOOD	%
16	L5GB	STM GEN B NARROW RANGE AVG LEVEL	52.0	GOOD	%
17	PSSA	STM GEN A AVERAGE PRESSURE	686.	GOOD	PSIG
18	PSSB	STM GEN B AVERAGE PRESSURE	685.	GOOD	PSIG
19	GENBXR1	GENERATOR ON LINE BREAKER 151372	NOT TRIP	GOOD	
	GENBXR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD	
	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD	
	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
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	1.5	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	600.2	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	600.2	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	544.2	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.7	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	572.2	GOOD	DEGF



GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS	
10	TAVGBWID	ROLB TAVG (THOT/TCOLD WIDE RWS)	573.0	6000	DEGF
	LRV	REACTOR VESSAL AVERAGE LEVEL	99.6	6000	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	610.2	600*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	6000	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	6000	GPM
49	BXR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	6000	
50	BXR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	6000	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	6000	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	6000	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	6000	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	6000	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	82.	6000	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	74.	6000	PSIG
57	BXR041	SERVICE WATER PUMP A	ON	6000	
58	BXR042	SERVICE WATER PUMP B	ON	6000	
59	BXR043	SERVICE WATER PUMP C	OFF	6000	
60	BXR044	SERVICE WATER PUMP D	ON	6000	

E-0-J



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

07:00:25

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1656.	G000	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	G000	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.5	G000	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	334.	G000	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.5	G000	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	60.5	G000	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	1.0	G000	DEGF
8	R01	AREA 1-CONTROL ROOM	8.52637-02	G000	MR/H
9	R02	AREA 2-CONTAINMENT	6.99761+00	G000	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.12322-01	G000	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.75334+01	G000	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.97608-02	G000	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.24565-01	G000	MR/H
14	R10A	CONTAINMENT IOOINE MONITOR R10A	1.44821+03	G000	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.51904+03	G000	CPM
16	R12	CONTAINMENT GAS MONITOR	2.88001+03	G000	CPM
17	R10B	PLANT VENT IOOINE MONITOR R10B	1.20518+01	G000	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.52158+01	G000	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.29419+01	G000	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.50746+03	G000	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.58712+03	G000	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.94308-01	G000	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.09046+00	G000	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.42925+02	G000	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.07336-07	G000	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.73576-02	G000	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.29609-05	G000	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.18410-03	G000	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.10297-06	G000	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.85108-05	G000	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.94927-03	G000	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.13865-06	G000	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.24352-05	G000	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.83184-04	G000	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.62667-02	G000	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.75173-03	G000	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	G000	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.2	G000	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.2	G000	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.6	G000	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	99.8	G000	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.3	G000	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.6	G000	DEGF

E-0-J



Time: 0700
Message: 5X

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: 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: Hazards being experienced or projected; near or onsite uncontrolled toxic or flammable gas release reported to operations personnel.

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.

Actions Expected:

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



Time: 0715
Message: 6

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

FOR CONTROLLER USE ONLY

Controller Notes:

Actions Expected:

- 1) The Plant Manager, Operations Manager, and Duty Engineer should be manning the TSC for offsite communications assistance.

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>6.92×10^{-4}</u> AMPS
N-36	<u>6.43×10^{-4}</u> AMPS
Avg. Nuclear Power	<u>97.93</u> %
RCS Pressure	<u>2250</u> PSIG
PRZR Level	<u>47.8</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>52.0</u> %
1B S/G Level	<u>52.0</u> %
1A S/G Pressure	<u>686</u> PSIG
1B S/G Pressure	<u>684</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	A <u>30</u> VOLTS B <u>30</u> VOLTS
Cnmt Pressure	<u>.13</u> PSIG
Cnmt Sump A Level	<u>1.5</u> FEET
Cnmt Sump B Level	<u>8</u> INCHES
A Loop Hot Leg	<u>600.2</u> OF
A Loop Cold Leg	<u>544.1</u> OF
B Loop Hot Leg	<u>600.2</u> OF
B Loop Cold Leg	<u>545.6</u> OF
RVLIS	<u>99.6</u> %
*CET	<u>609.8</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> 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 21.0 FEET

ENGINEERED SAFEGUARDSHigh 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 = 71 %

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 82/74 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

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT1GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	97.93	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2250.	GOOD PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	47.8	GOOD %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.7	GOOD %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.3	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	37.9	GOOD* DEGF
15	LSSA	STM GEN A NARROW RANGE AVG LEVEL	52.0	GOOD %
16	LSSB	STM GEN B NARROW RANGE AVG LEVEL	52.0	GOOD %
17	PSSA	STM GEN A AVERAGE PRESSURE	686.	GOOD PSIG
18	PSSB	STM GEN B AVERAGE PRESSURE	684.	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	1.5	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	600.2	GOOD DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	600.2	GOOD DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	544.1	GOOD DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.6	GOOD DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RING)	572.2	GOOD DEGF



GROUP NAME
EVENT:

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
TAV6DWID	RCLB TAV6 (THOT/TCOLD WIDE RNS)	572.9	600D	DEGF
LRV	REACTOR VESSAL AVERAGE LEVEL	99.6	600D	%
TCCORE	E1.1 INCORE TC AVERAGE TEMP	609.8	600*	DEGF
47 FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	600D	GPM
48 FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	600D	GPM
49 BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	600D	
50 BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	600D	
51 V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	600D	
52 V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	600D	
53 FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	600D	GPM
54 FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	600D	GPM
55 P2160	SERVICE WATER PUMPS A & B HEADER	82.	600D	PSIG
56 P2161	SERVICE WATER PUMPS C & D HEADER	74.	600D	PSIG
57 BKR041	SERVICE WATER PUMP A	ON	600D	
58 BKR042	SERVICE WATER PUMP B	ON	600D	
59 BKR043	SERVICE WATER PUMP C	OFF	600D	
60 BKR044	SERVICE WATER PUMP D	ON	600D	

E-0-J

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

07:15:32

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1656.	G000	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	G000	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.1	G000	MPH
4	W0033	33 FOOT LEVEL WIND DIRECTION	338.	G000	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.2	G000	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	57.9	G000	DEGF
7	W0T2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.3	G000	DEGF
8	R01	AREA 1-CONTROL ROOM	8.59253-02	G000	MR/H
9	R02	AREA 2-CONTAINMENT	6.91769+00	G000	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.18054-01	G000	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.73436+01	G000	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.91586-02	G000	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.25871-01	G000	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44824+03	G000	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.54736+03	G000	CPM
16	R12	CONTAINMENT GAS MONITOR	2.84210+03	G000	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.29807+01	G000	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.52033+01	G000	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.21250+01	G000	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.54539+03	G000	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	2.54121+03	G000	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.92685-01	G000	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.07109+00	G000	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.48878+02	G000	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.06607-07	G000	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.74359-02	G000	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.26479-05	G000	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.16755-03	G000	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.11361-06	G000	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.83091-05	G000	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.95280-03	G000	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.17086-06	G000	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.21442-05	G000	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.83547-04	G000	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.60232-02	G000	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.76479-03	G000	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	G000	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.3	G000	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.4	G000	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.7	G000	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	99.9	G000	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.4	G000	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.7	G000	DEGF

E-0-J



Time: 0725
Message: 7X

GINNA STATION
1991 EVALUATED EXERCISE

MESSAGE FORM

Message for: Fire and Safety Coordinator or Fire Brigade Captain
or Control Room.

Simulated Plant Conditions:

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

The propane tank that was releasing is empty and is no longer releasing.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Controller will either inform whomever is in charge of mitigating the propane release (i.e., Fire and Safety Coordinator or Fire Brigade Captain) or if nobody is coordinating, the Control Room.

Actions Expected:

- 1) Control Room to be informed of propane release termination.
- 2) Control Room should inform higher supervision of propane release termination.

Time: 0730
Message: 8X

GINNA STATION

1991 EVALUATED EXERCISE

MESSAGE FORM

Message for: Security Shift Supervisor

Simulated Plant Conditions: See Attached Mini-Scenario

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

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Provide information verbally at appropriate times.
- 2) No calls to be made to local police.

Actions Expected:

- 1) Security should perform the appropriate actions of their contingency procedures for an ongoing security compromise.

ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

MINI SCENARIO

TITLE: SECURITY COMPROMISE OF A NONVITAL AREA
(Individual Commandeering the Operations Trailer)

INITIAL CONDITIONS:

Plant conditions are as provided in Main Scenario.

METHOD OF INITIATION:

At 0730 hours, the Controller will position himself in the Operations Trailer (#36) and telephone the Security Shift Supervisor at Ext. 208/348 and inform him of the following:

- o THIS IS AN EXERCISE
- o As part of the Exercise, make no calls to local police.
- o Inform Security Shift Supervisor that you are a disgruntled RG&E employee and have locked yourself into the Operations Trailer (#36) and demand to speak to the media about your problem. You will say nothing about firearms, explosives, etc. , but will tell him that if your demands are not met, you will take further actions.
- o THIS IS AN EXERCISE

INDICATIONS:

None

EXPECTED SEQUENCE OF ACTIONS:

- o Security Shift Supervisor informs Shift/Supervisor Emergency Coordinator of the security problem.
- o Security Shift Supervisor has security department perform the actions of their contingency procedures.

FINAL CONDITIONS:

At 0920, the Security Compromise will end with the apprehension of the person commandeering the Operations Trailer (see Message 21X).



GINNA STATION

1991 EVALUATED EXERCISE

MINI-SCENARIO

Activity: Ongoing security compromise (i.e., an individual has commandeered the Operations Trailer and is demanding to speak to the New Media.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Controllers to stop any calls to local police.

Actions Expected:

Time: 0730
Message: 9

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

FOR CONTROLLER USE ONLY

Controller Notes:

Actions Expected:

- 1) An Alert should be declared in accordance with EPIP 1-0, "Ginna Station Event Evaluation and Classification," EAL: Security; ongoing security compromise, Example: Adversaries commandeering a non-vital area of Plant as reported by the Security Shift Supervisor (See Message 10X).
- 2) Implement EPIP 1-2, "Alert"
 - a) Make notifications per EPIP 1-5.
 - b) Assess and monitor Plant conditions. Update offsite agencies at least every half hour and whenever there are significant changes in Plant status.
- 3) The TSC should be manning when Alert declared.
- 4) EOF may start activating.



MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>6.4x10⁻⁴</u> AMPS
N-36	<u>6.4x10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>97.40</u> %
RCS Pressure	<u>2250</u> PSIG
PRZR Level	<u>47.8</u> %
A RCP	<u>RUNNING</u> /STOPPED
B RCP	<u>RUNNING</u> /STOPPED
1A S/G Level	<u>52.0</u> %
1B S/G Level	<u>51.9</u> %
1A S/G Pressure	<u>685</u> PSIG
1B S/G Pressure	<u>684</u> PSIG
Turbine/Generator	<u>ONLINE</u> /OFFLINE
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	A/ <u>30</u> VOLTS B/ <u>30</u> VOLTS
Cnmt Pressure	<u>1.3</u> PSIG
Cnmt Sump A Level	<u>1.5</u> FEET
Cnmt Sump B Level	<u><8</u> INCHES
A Loop Hot Leg	<u>600.0</u> OF
A Loop Cold Leg	<u>543.9</u> OF
B Loop Hot Leg	<u>600.0</u> OF
B Loop Cold Leg	<u>545.4</u> OF
RVLIS	<u>99.6</u> %
*CET	<u>609.8</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> 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. INSERT/STBY/OOS
 1B. INSERT/STBY/OOS
 Turb. Driven INSERT/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERT/STBY/OOS
 1B. INSERT/STBY/OOS
 1C. INSERT/STBY/OOS
 BAST Level = 71 %

Low Head S.I. Pumps

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

Containment Spray Pumps

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

Containment Recirc Fans

1A. INSERT/STBY/OOS
 1B. INSERT/STBY/OOS
 1C. INSERT/STBY/OOS
 1D. INSERT/STBY/OOS

Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERT/STBY/OOS
 1B. INSERT/STBY/OOS
 1C. INSERT/STBY/OOS
 1D. INSERT/STBY/OOS
 A&B Header Pressure 82/74 PSIG

Component Cooling Water Pumps

1A. INSERT/STBY/OOS
 1B. INSERT/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERT/STBY/OOS
 1D. INSERT/STBY/OOS

CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	97.90	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2250.	GOOD PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	47.8	GOOD %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.7	GOOD %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.3	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	37.9	GOOD+ DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	52.0	GOOD %
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	51.9	GOOD %
17	PSGA	STM GEN A AVERAGE PRESSURE	685.	GOOD PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	684.	GOOD PSIG
19	GENBXR1	GENERATOR ON LINE BREAKER 161372	NOT TRIP	GOOD
	GENBXR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD
	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD
	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	1.5	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	600.0	GOOD DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	600.0	GOOD DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	543.9	GOOD DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.4	GOOD DEGF
43	TAV6AWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	572.0	GOOD DEGF

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
TAV6BNID	RCLB TAV6 (THOT/TCOLD WIDE RNS)	572.7	GOOD	DEGF
LRV	REACTOR VESSAL AVERAGE LEVEL	99.6	GOOD	%
TCORE	E1.1 INCORE TC AVERAGE TEMP	609.8	GOOD*	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	
53 FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54 FS1B	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	74.	GOOD	PSIG
57 BKR041	SERVICE WATER PUMP A	ON	GOOD	
58 BKR042	SERVICE WATER PUMP B	ON	GOOD	
59 BKR043	SERVICE WATER PUMP C	OFF	GOOD	
60 BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J



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

07:30:35

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1656.	G000	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	G000	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.5	G000	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	337.	G000	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	58.8	G000	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	57.5	G000	DEGF
7	WOT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.3	G000	DEGF
8	R01	AREA 1-CONTROL ROOM	8.57299-02	G000	MR/H
9	R02	AREA 2-CONTAINMENT	6.93609+00	G000	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.12804-01	G000	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.71357+01	G000	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.95751-02	G000	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.20688-01	G000	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44827+03	G000	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.59213+03	G000	CPM
16	R12	CONTAINMENT GAS MONITOR	2.88541+03	G000	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.20646+01	G000	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.50716+01	G000	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.24327+01	G000	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.53683+03	G000	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.54715+03	G000	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.90625-01	G000	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.05998+00	G000	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.49818+02	G000	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.07316-07	G000	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.74290-02	G000	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.20452-05	G000	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.19846-03	G000	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.17281-06	G000	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.82355-05	G000	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.99181-03	G000	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.18173-06	G000	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.26760-05	G000	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.86932-04	G000	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.60524-02	G000	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.73405-03	G000	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	G000	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.2	G000	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.2	G000	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.6	G000	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	99.8	G000	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.3	G000	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.6	G000	DEGF

E-0-J



Time: 0745
Message: 10X

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room Shift Supervisor

Simulated Plant Conditions:

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

Declare an Alert in accordance with EPIP 1-0, "Ginna Station Event Evaluation and Classification," EAL: Security; ongoing security compromise, example: Adversaries commandeering a non-vital area of the Plant as reported by the Security Shift Supervisor.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Delivery only if an Alert has not yet been declared. Do not deliver if emergency classification discussions are in progress.

Actions Expected:

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

Time: 0745
Message: 11

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Normal Plant operations continues.

Actions Expected:

- 1) Security should be performing the appropriate actions of their contingency procedures for an ongoing security compromise.

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>6.9x10⁻⁴</u> AMPS
N-36	<u>6.4x10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>97.86</u> %
RCS Pressure	<u>22.50</u> PSIG
PRZR Level	<u>47.7</u> %
A RCP	<u>RUNNING</u> /STOPPED
B RCP	<u>RUNNING</u> /STOPPED
1A S/G Level	<u>51.9</u> %
1B S/G Level	<u>52.0</u> %
1A S/G Pressure	<u>685</u> PSIG
1B S/G Pressure	<u>683</u> PSIG
Turbine/Generator	<u>ONLINE</u> /OFFLINE
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	<u>A130</u> VOLTS <u>B130</u> VOLTS
Cmnt Pressure	<u>.13</u> PSIG
Cmnt Sump A Level	<u>1.5</u> FEET
Cmnt Sump B Level	<u>5.8</u> INCHES
A Loop Hot Leg	<u>600.0</u> OF
A Loop Cold Leg	<u>543.9</u> OF
B Loop Hot Leg	<u>600.0</u> OF
B Loop Cold Leg	<u>545.4</u> OF
RVLIS	<u>99.6</u> %
*CET	<u>609.6</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> 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 21.0 FEET

ENGINEERED SAFEGUARDSHigh 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 = 71 %

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 82/74 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 NAME
EVENT1GROUP DESCRIPTION
PLANT STATUS=DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	ATWS	ANTICIPATED TRANSIENT W/D 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	97.86	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2250.	GOOD PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	47.7	GOOD %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.7	GOOD %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.3	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	38.4	GOOD* DEGF
15	LS6A	STM GEN A NARROW RANGE AVG LEVEL	51.9	GOOD %
16	LS6B	STM GEN B NARROW RANGE AVG LEVEL	52.0	GOOD %
17	PS6A	STM GEN A AVERAGE PRESSURE	685.	GOOD PSIG
18	PS6B	STM GEN B AVERAGE PRESSURE	683.	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	1.5	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	600.0	GOOD DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	600.0	GOOD DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	543.9	GOOD DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.4	GOOD DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	572.0	GOOD DEGF



GROUP NAME
EVENT!

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS	
D	TAVGBWID	ROLD TAVG (THOT/TCOLD WIDE RING)	572.7	6000	DEGF
	LRV	REACTOR VESSAL AVERAGE LEVEL	99.6	6000	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	609.6	600*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	6000	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	6000	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	6000	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	6000	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	6000	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	6000	
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	6000	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	6000	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	82.	6000	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	74.	6000	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	6000	
58	BKR042	SERVICE WATER PUMP B	ON	6000	
59	BKR043	SERVICE WATER PUMP C	OFF	6000	
60	BKR044	SERVICE WATER PUMP D	ON	6000	

E-0-J



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

07:45:25

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1660.	G000	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	G000	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.3	G000	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	334.	G000	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	58.8	G000	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	57.5	G000	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.3	G000	DEGF
8	R01	AREA 1-CONTROL ROOM	8.53614-02	G000	MR/H
9	R02	AREA 2-CONTAINMENT	6.99828+00	G000	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.15731-01	G000	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.78761+01	G000	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.95130-02	G000	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.27929-01	G000	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44830+03	G000	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.53245+03	G000	CPM
16	R12	CONTAINMENT GAS MONITOR	2.82097+03	G000	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.24060+01	G000	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.54811+01	G000	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.20719+01	G000	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.56200+03	G000	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	2.55885+03	G000	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.92336-01	G000	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.09194+00	G000	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.45706+02	G000	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.03254-07	G000	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.79783-02	G000	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.22467-05	G000	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.11081-03	G000	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.17953-06	G000	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.83745-05	G000	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.98190-03	G000	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.15666-06	G000	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.24406-05	G000	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.85289-04	G000	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.62283-02	G000	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.71727-03	G000	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	G000	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.5	G000	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.4	G000	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.8	G000	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	99.9	G000	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.4	G000	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.7	G000	DEGF

5-0-J



Time: 0800
Message: 12

GINNA STATION

1991 EVALUATED EXERCISE

MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Normal Plant operations continues.

Actions Expected:

- 1) The TSC should be nearing operational readiness of the Emergency Response Organizations.
- 2) Security should be performing the appropriate actions of their contingency procedures for an ongoing security compromise.
- 3) The TSC, when operational, may send a repair team out to expedite the repair of the "A" Containment Spray Pump.

MAJOR PARAMETERS

Reactor Shutdown	<u>YES</u> (NO)
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>6.9X10⁻⁴</u> AMPS
N-36	<u>6.4X10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>97.83</u> %
RCS Pressure	<u>22.50</u> PSIG
PRZR Level	<u>47.6</u> %
A RCP	<u>RUNNING</u> STOPPED
B RCP	<u>RUNNING</u> STOPPED
1A S/G Level	<u>52.0</u> %
1B S/G Level	<u>52.0</u> %
1A S/G Pressure	<u>6.85</u> PSIG
1B S/G Pressure	<u>6.83</u> PSIG
Turbine/Generator	<u>ONLINE</u> OFFLINE
4 KV Buses	<u>ENERGIZED</u> DEENERGIZED
480V Buses	<u>ENERGIZED</u> DEENERGIZED
DC Batteries	<u>A/30 VOLTS</u> <u>B/30 VOLTS</u>
Cnmt Pressure	<u>.13</u> PSIG
Cnmt Sump A Level	<u>1.6</u> FEET
Cnmt Sump B Level	<u>5.8</u> INCHES
A Loop Hot Leg	<u>599.8</u> OF
A Loop Cold Leg	<u>543.9</u> OF
B Loop Hot Leg	<u>599.8</u> OF
B Loop Cold Leg	<u>545.2</u> OF
RVLIS	<u>99.6</u> %
*CET	<u>604.6</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> 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 21.0 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 = 71 %

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 82/74 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~~

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	INHIB CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHIB CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	6.91829-04	INHIB AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	6.42686-04	INHIB AMP
7	NP	AVERAGE NUCLEAR POWER	97.83	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2250.	GOOD PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	47.6	GOOD %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.7	GOOD %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.3	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	38.4	GOOD* DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	52.0	GOOD %
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	52.0	GOOD %
17	PSGA	STM GEN A AVERAGE PRESSURE	685.	GOOD PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	683.	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	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	599.8	GOOD DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	599.8	GOOD DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	543.9	GOOD DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.2	GOOD DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	571.8	GOOD DEGF



GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RING)	572.5	GOOD	DEGF
LRV	REACTOR VESSAL AVERAGE LEVEL	99.6	GOOD	%
-6	TCCORE	609.6	GOOD*	DEGF
47	FAUXFWA	0.	GOOD	GPM
48	FAUXFWB	0.	GOOD	GPM
49	BKR081	OFF	GOOD	
50	BKR082	OFF	GOOD	
51	V3505	CLOSED	GOOD	
52	V3504	CLOSED	GOOD	
53	FSIA	0.	GOOD	GPM
54	FSIB	0.	GOOD	GPM
55	P2160	82.	GOOD	PSIG
56	P2161	74.	GOOD	PSIG
57	BKR041	ON	GOOD	
58	BKR042	ON	GOOD	
59	BKR043	OFF	GOOD	
60	BKR044	ON	GOOD	

E-0-J



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

08:00:31

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	FO619	COMPONENT COOLING LOOP TOTAL FLW	1660.	G000	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	G000	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.0	G000	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	324.	G000	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	58.8	G000	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	57.5	G000	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.3	G000	DEGF
8	R01	AREA 1-CONTROL ROOM	8.59437-02	G000	MR/H
9	R02	AREA 2-CONTAINMENT	6.93909+00	G000	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.11716-01	G000	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.78544+01	G000	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.99227-02	G000	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.26017-01	G000	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44833+03	G000	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.54522+03	G000	CPM
16	R12	CONTAINMENT GAS MONITOR	2.80661+03	G000	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.23588+01	G000	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.54296+01	G000	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.23400+01	G000	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	1.53856+03	G000	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	2.55219+03	G000	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.96475-01	G000	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.02180+00	G000	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.42689+02	G000	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.03183-07	G000	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.74970-02	G000	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.27517-05	G000	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.14335-03	G000	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.16224-06	G000	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.88296-05	G000	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.97950-03	G000	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.19130-06	G000	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.27051-05	G000	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.82344-04	G000	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.61786-02	G000	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.78871-03	G000	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	G000	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.5	G000	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.5	G000	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	103.6	G000	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	99.8	G000	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.4	G000	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.8	G000	DEGF

E-O-J

Time: 0815
Message: 13

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

Maintenance reports that the "A" Emergency Diesel Generator maintenance is complete.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Normal Plant operations continues.

Actions Expected:

- 1) Operations should remove holds on the "A" Emergency Diesel Generator and align it per T-27.1 (1A Emergency Diesel Generator Pre-Startup Alignment).
- 2) The TSC should be tracking the restoration of the "A" Emergency Generator.
- 3) Security should be performing the appropriate actions of their contingency procedures for an ongoing security compromise.
- 4) The TSC should be tracking the security compromise problem.



MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>6.4x10⁻⁴</u> AMPS
N-36	<u>6.4x10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>97.82</u> %
RCS Pressure	<u>2250</u> PSIG
PRZR Level	<u>47.6</u> %
A RCP	<u>RUNNING</u> /STOPPED
B RCP	<u>RUNNING</u> /STOPPED
1A S/G Level	<u>52.0</u> %
1B S/G Level	<u>52.0</u> %
1A S/G Pressure	<u>684</u> PSIG
1B S/G Pressure	<u>683</u> PSIG
Turbine/Generator	<u>ONLINE</u> /OFFLINE
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	A/ <u>30</u> VOLTS B/ <u>30</u> VOLTS
Cnmt Pressure	<u>.15</u> PSIG
Cnmt Sump A Level	<u>1.6</u> FEET
Cnmt Sump B Level	<u>58</u> INCHES
A Loop Hot Leg	<u>599.8</u> OF
A Loop Cold Leg	<u>543.7</u> OF
B Loop Hot Leg	<u>599.8</u> OF
B Loop Cold Leg	<u>545.2</u> OF
RVLIS	<u>99.6</u> %
*CET	<u>609.6</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> 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. INSERT/STBY/OOS
 1B. INSERT/STBY/OOS
 Turb. Driven INSERT/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERT/STBY/OOS
 1B. INSERT/STBY/OOS
 1C. INSERT/STBY/OOS
 BAST Level = 71 %

Low Head S.I. Pumps

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

Containment Spray Pumps

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

Containment Recirc Fans

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

Service Water Pumps

1A. INSERT/STBY/OOS
 1B. INSERT/STBY/OOS
 1C. INSERT/STBY/OOS
 1D. INSERT/STBY/OOS
 A&B Header Pressure 62/74 PSIG

Component Cooling Water Pumps

1A. INSERT/STBY/OOS
 1B. INSERT/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERT/STBY/OOS
 1D. INSERT/STBY/OOS

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT1GROUP DESCRIPTION
PLANT STATUS=DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	97.82	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2250.	GOOD PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	47.6	GOOD %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.7	GOOD %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.3	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	38.4	GOOD* DEGF
15	LS6A	STM GEN A NARROW RANGE AVG LEVEL	52.0	GOOD %
16	LS6B	STM GEN B NARROW RANGE AVG LEVEL	52.0	GOOD %
17	PS6A	STM GEN A AVERAGE PRESSURE	684.	GOOD PSIG
18	PS6B	STM GEN B AVERAGE PRESSURE	683.	GOOD PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1S1372	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	.15	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	599.8	GOOD DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	599.8	GOOD DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	543.7	GOOD DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.2	GOOD DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	571.7	GOOD DEGF

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS	
	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RING)	572.5	600D	DEGF
	LRV	REACTOR VESSAL AVERAGE LEVEL	99.6	600D	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	609.6	600*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	600D	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	600D	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	600D	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	600D	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	600D	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	600D	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	600D	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	600D	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	82.	600D	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	74.	600D	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	600D	
58	BKR042	SERVICE WATER PUMP B	ON	600D	
59	BKR043	SERVICE WATER PUMP C	OFF	600D	
60	BKR044	SERVICE WATER PUMP D	ON	600D	

E-0-J



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

08:15:17

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1660.	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	307.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.4	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	58.1	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.3	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.59650-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.93548+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.17532-01	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.78797+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.92291-02	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.25456-01	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44837+03	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.53839+03	GOOD	CPM
16-	R12	CONTAINMENT GAS MONITOR	2.82784+03	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.26146+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.51069+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.23572+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.54782+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.55036+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.92716-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.00946+00	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.49082+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.07919-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.76851-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.20543-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.11384-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.17607-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.89091-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.95662-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.19154-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.28622-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.87534-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.68314-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.75381-03	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.6	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.6	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.7	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	100.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.8	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.9	GOOD.	DEGF

E-0-J



Time: 0815
Message: 14X

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: "A" Containment Spray Pump 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 actions and investigations are performed by the "A" Containment Spray Repair Team.

Actions Expected:

- 1) The "A" Containment Spray Repair Team will continue a simulated re-assembly of the "A" Containment Spray Pump, using the Maintenance Procedure.



ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

MINI SCENARIO

TITLE: 1A Containment Spray Pump Motor PM

INITIAL CONDITIONS:

The motor was taken out of service two days ago for PM. The motor is in process of reassembly, motor located on operating floor. The rotor has been installed in stator in preparation for reinstallation of end bells.

METHOD OF INITIATION:

PM work on motor started two days prior. Work on the motor in progress with assigned crew.

INDICATIONS:

- o Hold tags are in place to create a safe work zone.
 - Breaker racked out and tagged and block tag on switch on control panel.
 - Pump Suction and discharge valves are tagged closed.
 - Motor leads are disconnected and grounded.
 - Motor setting on operating floor of Auxiliary Building.

EXPECTED SEQUENCE OF ACTIONS:

- o End bells are installed on motor.
- o Coupling installed on motor shaft.
- o Motor lowered to basement and reinstalled at pump.
- o Motor leads are reconnected.
- o Motor rotation checked.
- o Alignment of motor pump.
- o Motor and pump are coupled together.
- o Post maintenance testing.
- o PT conducted to verify operability of pump.
- o Pump returned to service.

FINAL CONDITIONS:

Pump is placed into service.



Time: 0830
Message: 15

GINNA STATION

1991 EVALUATED EXERCISE

MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Normal Plant operations continues.

Actions Expected:



MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>6.4×10^{-4}</u> AMPS
N-36	<u>6.4×10^{-4}</u> AMPS
Avg. Nuclear Power	<u>97.85</u> %
RCS Pressure	<u>2250</u> PSIG
PRZR Level	<u>47.7</u> %
A RCP	<u>RUNNING</u> /STOPPED
B RCP	<u>RUNNING</u> /STOPPED
1A S/G Level	<u>52.0</u> %
1B S/G Level	<u>51.9</u> %
1A S/G Pressure	<u>685</u> PSIG
1B S/G Pressure	<u>683</u> PSIG
Turbine/Generator	<u>ONLINE</u> /OFFLINE
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	A/ <u>30</u> VOLTS B/ <u>30</u> VOLTS
Cnmt Pressure	<u>.15</u> PSIG
Cnmt Sump A Level	<u>1.6</u> FEET
Cnmt Sump B Level	<u><8</u> INCHES
A Loop Hot Leg	<u>599.8</u> OF
A Loop Cold Leg	<u>543.9</u> OF
B Loop Hot Leg	<u>599.8</u> OF
B Loop Cold Leg	<u>545.2</u> OF
RVLIS	<u>99.6</u> %
*CET	<u>609.6</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> 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 21.0 FEET

ENGINEERED SAFEGUARDSHigh 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 = 71 %

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 82/74 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 NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	97.85	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2250.	GOOD PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	47.7	GOOD %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.7	GOOD %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.3	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	38.4	GOOD* DEGF
15	L5GA	STM GEN A NARROW RANGE AVG LEVEL	52.0	GOOD %
16	L5GB	STM GEN B NARROW RANGE AVG LEVEL	51.9	GOOD %
17	P5GA	STM GEN A AVERAGE PRESSURE	685.	GOOD PSIG
18	P5GB	STM GEN B AVERAGE PRESSURE	683.	GOOD PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 161372	NOT TRIP	GOOD
	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD
	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD
	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	.15	GOOD PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	1.6	GOOD 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	599.8	GOOD DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	599.8	GOOD DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	543.9	GOOD DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.2	GOOD DEGF
43	TAV6AWID	RCLA TAVG (THGT/TEGLD WIDE RWS)	571.8	GOOD DEGF



GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS-DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS	
D	TAVGBWID	ROLB TAVG (THOT/TCOLD WIDE RING)	572.5	GOOD	DEGF
	LRV	REACTOR VESSAL AVERAGE LEVEL	99.6	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	609.6	GOOD*	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	
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	74.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	OFF	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J



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

08:30:30

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1660.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	8.8	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	307.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.9	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	59.4	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.5	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.53482-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.90970+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.13891-01	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.72424+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.94152-02	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.23166-01	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44841+03	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.56816+03	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	2.80427+03	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.20533+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.59579+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.28785+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.53959+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.58612+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.93784-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.01193+00	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.42084+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.05214-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.72566-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.27743-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.10650-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.10987-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.82589-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.99683-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.16307-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.27140-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.85224-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.68913-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.70404-03	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.7	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.7	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.8	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	100.2	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.9	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.9	GOOD	DEGF

E-0-J

Time: 0845
Message: 16X

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Auxiliary Operator lining up the "A" Emergency Diesel Generator.

Simulated Plant Conditions:

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

The "A" Emergency Diesel Generator can be considered lined up per T-27.1 at this time.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Give message to Auxiliary Operator lining the "A" Emergency Generator per T.27.1 at 0845.

Actions Expected:

- 1) Auxiliary Operator lining up the "A" Emergency Diesel Generator should inform the Control Room/TSC that he has completed T-27.1.



Time: 0845
Message: 17

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

FOR CONTROLLER USE ONLY

Controller Notes:

Actions Expected:

- 1) Operators should run the "A" Emergency Diesel Generator per PT-12.1 to prove operability.
- 2) TSC should be tracking the security compromise problem.
- 3) Security should be performing the appropriate actions of their contingency procedures for an ongoing security compromise.

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	0 CPS
N-32	0 CPS
N-35	6.9×10^{-4} AMPS
N-36	6.4×10^{-4} AMPS
Avg. Nuclear Power	97.87 %
RCS Pressure	22.50 PSIG
PRZR Level	47.7 %
A RCP	RUNNING/STOPPED
B RCP	RUNNING/STOPPED
1A S/G Level	52.0 %
1B S/G Level	52.0 %
1A S/G Pressure	68.5 PSIG
1B S/G Pressure	68.3 PSIG
Turbine/Generator	ONLINE/OFFLINE
4 KV Buses	ENERGIZED/DEENERGIZED
480V Buses	ENERGIZED/DEENERGIZED
DC Batteries	A/30 VOLTS B/30 VOLTS
Cnmt Pressure	1.5 PSIG
Cnmt Sump A Level	1.7 FEET
Cnmt Sump B Level	18 INCHES
A Loop Hot Leg	600.0 OF
A Loop Cold Leg	543.4 OF
B Loop Hot Leg	600.0 OF
B Loop Cold Leg	545.4 OF
RVLIS	99.6 %
*CET	609.6 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. INSERT/STBY/OOS
 1B. INSERT/STBY/OOS
 Turb. Driven INSERT/STBY/OOS
 CST Level 21.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 0 GPM
 FI-925 0 GPM
 1A. INSERT/STBY/OOS
 1B. INSERT/STBY/OOS
 1C. INSERT/STBY/OOS
 BAST Level = 71 %

Low Head S.I. Pumps

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

Containment Spray Pumps

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

Containment Recirc Fans

1A. INSERT/STBY/OOS
 1B. INSERT/STBY/OOS
 1C. INSERT/STBY/OOS
 1D. INSERT/STBY/OOS

Post Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERT/STBY/OOS
 1B. INSERT/STBY/OOS
 1C. INSERT/STBY/OOS
 1D. INSERT/STBY/OOS
 A&B Header Pressure 82/74 PSIG

Component Cooling Water Pumps

1A. INSERT/STBY/OOS
 1B. INSERT/STBY/OOS
 Surge Tank Level = 51 %

Standby Aux. Feedwater Pumps

1C. INSERT/STBY/OOS
 1D. INSERT/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	97.87	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2250.	GOOD PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	47.7	GOOD %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.7	GOOD %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.3	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	38.4	GOOD* DEG F
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	52.0	GOOD %
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	52.0	GOOD %
17	PSGA	STM GEN A AVERAGE PRESSURE	685.	GOOD PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	683.	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	.15	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	600.0	GOOD DEG F
40	T0410A	RCLB HOT LEG TEMPERATURE	600.0	GOOD DEG F
41	T0450	RCLA COLD LEG TEMPERATURE	543.9	GOOD DEG F
42	T0451	RCLB COLD LEG TEMPERATURE	545.4	GOOD DEG F
43	TAVSAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	572.0	GOOD DEG F



GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	572.7	600D	DEGF
LRV	REACTOR VESSAL AVERAGE LEVEL	99.6	600D	%
46 TCCORE	E1.1 INCORE TC AVERAGE TEMP	609.6	600*	DEGF
47 FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	600D	GPM
48 FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	600D	GPM
49 BXR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	600D	
50 BXR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	600D	
51 V3505	AUX FM PUMP STEAM SUPPLY VALVE A	CLOSED	600D	
52 V3504	AUX FM PUMP STEAM SUPPLY VALVE B	CLOSED	600D	
53 FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	600D	GPM
54 FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	600D	GPM
55 P2160	SERVICE WATER PUMPS A & B HEADER	82.	600D	PSIG
56 P2161	SERVICE WATER PUMPS C & D HEADER	74.	600D	PSIG
57 BXR041	SERVICE WATER PUMP A	ON	600D	
58 BXR042	SERVICE WATER PUMP B	ON	600D	
59 BXR043	SERVICE WATER PUMP C	OFF	600D	
60 BXR044	SERVICE WATER PUMP D	ON	600D	

E-0-J

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

08:45:37

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1660.	GOOD	GPH
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	8.2	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	304.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	60.1	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	59.6	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.5	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.57556-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.93291+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.18716-01	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.70847+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.97201-02	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.24005-01	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44844+03	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.54394+03	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	2.89239+03	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.29165+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.53216+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.27783+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.55168+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.52958+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.90272-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.09471+00	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.44049+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.06989-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.75665-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.28303-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.17522-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.10738-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.88361-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.95411-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.19767-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.23225-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.84017-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.62481-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.79103-03	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.8	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	100.2	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.9	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.9	GOOD	DEGF

3-0-J

Time: 0900
Message: 18

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Normal operations continues.

Actions Expected:

- 1) Operators should be running the "A" Emergency Diesel Generator per PT-12.1 to prove operability.

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>6.4×10^{-4}</u> AMPS
N-36	<u>6.4×10^{-4}</u> AMPS
Avg. Nuclear Power	<u>97.90</u> %
RCS Pressure	<u>22.50</u> PSIG
PRZR Level	<u>47.7</u> %
A RCP	<u>RUNNING</u> /STOPPED
B RCP	<u>RUNNING</u> /STOPPED
1A S/G Level	<u>52.0</u> %
1B S/G Level	<u>52.0</u> %
1A S/G Pressure	<u>685</u> PSIG
1B S/G Pressure	<u>683</u> PSIG
Turbine/Generator	<u>ONLINE</u> /OFFLINE
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	A <u>130</u> VOLTS B <u>130</u> VOLTS
Cnmt Pressure	<u>.15</u> PSIG
Cnmt Sump A Level	<u>1.7</u> FEET
Cnmt Sump B Level	<u>8</u> INCHES
A Loop Hot Leg	<u>600.0</u> OF
A Loop Cold Leg	<u>543.9</u> OF
B Loop Hot Leg	<u>600.0</u> OF
B Loop Cold Leg	<u>545.4</u> OF
RVLIS	<u>99.6</u> %
*CET	<u>609.6</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> 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 21.0 FEET

ENGINEERED SAFEGUARDSHigh 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 = 71 %

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 82.74 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 NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	97.90	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2250.	GOOD PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	47.7	GOOD %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.7	GOOD %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.3	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	37.9	GOOD* DEGF
15	L56A	STM GEN A NARROW RANGE AVG LEVEL	52.0	GOOD %
16	L56B	STM GEN B NARROW RANGE AVG LEVEL	52.0	GOOD %
17	P56A	STM GEN A AVERAGE PRESSURE	685.	GOOD PSIG
18	P56B	STM GEN B AVERAGE PRESSURE	683.	GOOD PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 161372	NOT TRIP	GOOD
	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	GOOD
	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	GOOD
	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	GOOD
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	.15	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	600.0	GOOD DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	600.0	GOOD DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	543.9	GOOD DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.4	GOOD DEGF
43	TAV6AWID	RCLA TAV6 (THGT/TCOLD WIDE RNG)	572.0	GOOD DEGF

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS	
01	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	572.7	6000	DEGF
	LRV	REACTOR VESSAL AVERAGE LEVEL	99.6	6000	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	609.6	6000	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	6000	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	6000	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	6000	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	6000	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	6000	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	6000	
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	6000	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	6000	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	82.	6000	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	74.	6000	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	6000	
58	BKR042	SERVICE WATER PUMP B	ON	6000	
59	BKR043	SERVICE WATER PUMP C	OFF	6000	
60	BKR044	SERVICE WATER PUMP D	ON	6000	

E-0-J



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

09:00:59

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1660.	G000	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	G000	%
3	WS033	33 FOOT LEVEL WIND SPEED	6.8	G000	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	310.	G000	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	60.1	G000	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	59.6	G000	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.5	G000	DEGF
8	R01	AREA 1-CONTROL ROOM	8.59487-02	G000	MR/H
9	R02	AREA 2-CONTAINMENT	6.96602+00	G000	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.15879-01	G000	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.70583+01	G000	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.95316-02	G000	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.26593-01	G000	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44847+03	G000	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.50251+03	G000	CPM
16	R12	CONTAINMENT GAS MONITOR	2.84421+03	G000	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.36979+01	G000	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.52711+01	G000	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.27464+01	G000	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.58259+03	G000	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	2.58306+03	G000	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.98073-01	G000	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.05831+00	G000	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.41783+02	G000	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.07322-07	G000	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.77019-02	G000	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.21868-05	G000	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.15594-03	G000	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.19325-06	G000	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.86458-05	G000	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.99300-03	G000	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.10447-06	G000	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.26261-05	G000	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.86781-04	G000	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.62714-02	G000	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.75197-03	G000	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	G000	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.3	G000	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.2	G000	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.7	G000	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.2	G000	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.6	G000	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	113.1	G000	DEGF

7-0-J



Time: 0915
Message: 19

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

The following annunciators are received:

- J-32 (Emergency Diesel Generator 1B Panel)
- J-9 (Safeguard Breaker Trip)
- L-15 (Bus 17 Under Voltage Safeguards)

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) When Control Room operators check Bus 17 voltage, inform them that it is zero (0) volts.
- 2) When Control Room operators check the "B" Emergency Diesel Generator KW and voltage, inform them that they are zero (0) KW and volts. Also, the "B" Emergency Diesel Generator Breaker to Bus 17 indicates open.

Actions Expected:

- 1) Control Room operators should re-energize 480 volt Bus 17 with normal offsite power and re-start equipment.
- 2) Control Room operators should check Plant Technical Specifications Section 3.7 and enter Specification 3.0.1 and prepare to be in Hot Shutdown in seven (7) hours.
- 3) Control Room/TSC should send an auxiliary operator out to check out the "B" Emergency Diesel Generator problem.

MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>6.4×10^{-4}</u> AMPS
N-36	<u>6.4×10^{-4}</u> AMPS
Avg. Nuclear Power	<u>97.93</u> %
RCS Pressure	<u>2250</u> PSIG
PRZR Level	<u>47.7</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>52.0</u> %
1B S/G Level	<u>52.0</u> %
1A S/G Pressure	<u>685</u> PSIG
1B S/G Pressure	<u>684</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	A <u>36</u> VOLTS B <u>30</u> VOLTS
Cnmt Pressure	<u>.15</u> PSIG
Cnmt Sump A Level	<u>1.7</u> FEET
Cnmt Sump B Level	<u>58</u> INCHES
A Loop Hot Leg	<u>600.0</u> OF
A Loop Cold Leg	<u>543.4</u> OF
B Loop Hot Leg	<u>600.0</u> OF
B Loop Cold Leg	<u>545.4</u> OF
RVLIS	<u>99.6</u> %
*CET	<u>609.8</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> 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 21.0 FEET

ENGINEERED SAFEGUARDSHigh 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 = 71 %

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 48/32 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 5 %

Standby Aux. Feedwater Pumps

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

*CET = Average of Selected Core Exit Thermocouples



TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS=DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	INHIB CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHIB CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	6.91829-04	INHIB AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	6.42686-04	INHIB AMP
7	NP	AVERAGE NUCLEAR POWER	97.93	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2250.	GOOD PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	47.7	GOOD %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.7	GOOD %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.3	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	37.9	GOOD* DEGF
15	LSSA	STM GEN A NARROW RANGE AVG LEVEL	52.0	GOOD %
16	LSSB	STM GEN B NARROW RANGE AVG LEVEL	52.0	GOOD %
17	PSGA	STM GEN A AVERAGE PRESSURE	685.	GOOD PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	684.	GOOD PSIG
19	GENBXR1	GENERATOR ON LINE BREAKER 161372	NOT TRIP	GOOD
20	GENBXR2	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	.15	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	600.0	GOOD DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	600.0	GOOD DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	543.9	GOOD DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.4	GOOD DEGF
43	TAVGAWID	RCLA TAVS (THOT/TCOLD WIDE RNS)	572.0	GOOD DEGF

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RING)	572.7	GOOD	DEGF
LRV	REACTOR VESSAL AVERAGE LEVEL	99.6	GOOD	%
46	TCCORE	609.8	GOOD*	DEGF
47	FAUXFWA	0.	GOOD	GPM
48	FAUXFWB	0.	GOOD	GPM
49	BKR081	OFF	GOOD	
50	BKR082	OFF	GOOD	
51	V3505	CLOSED	GOOD	
52	V3504	CLOSED	GOOD	
53	FSIA	0.	GOOD	GPM
54	FSIB	0.	GOOD	GPM
55	P2160	48.	LALM	PSIG
56	P2161	32.	LALM	PSIG
57	BKR041	ON	GOOD	
58	BKR042	OFF	GOOD	
59	BKR043	OFF	GOOD	
60	BKR044	OFF	GOOD	

E-0-J

D

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

09:15:07

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1665.	G000	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	G000	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.9	G000	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	315.	G000	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.9	G000	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	58.3	G000	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.6	G000	DEGF
8	R01	AREA 1-CONTROL ROOM	8.56698-02	G000	MR/H
9	R02	AREA 2-CONTAINMENT	6.92303+00	G000	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.10986-01	G000	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.75048+01	G000	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.93434-02	G000	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.29752-01	G000	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44850+03	G000	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.52501+03	G000	CPM
16	R12	CONTAINMENT GAS MONITOR	2.89256+03	G000	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.31242+01	G000	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.51407+01	G000	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.27353+01	G000	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.59084+03	G000	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.57866+03	G000	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.94755-01	G000	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.00831+00	G000	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.49023+02	G000	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.08169-07	G000	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.75410-02	G000	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.24021-05	G000	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.16913-03	G000	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.18973-06	G000	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.80897-05	G000	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.98018-03	G000	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.17695-06	G000	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.27326-05	G000	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.82524-04	G000	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.63465-02	G000	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.79729-03	G000	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	G000	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.3	G000	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.2	G000	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.7	G000	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.2	G000	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.6	G000	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	113.1	G000	DEGF

I-O-J



Time: 0915
Message: 20X

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Auxiliary Operator checking the "B" Emergency Diesel Generator problem.

Simulated Plant Conditions:

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

The "B" Emergency Diesel Generator Local Panel indicates Alarm B-7 (reverse power).

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Give message to Auxiliary Operator when he checks Local "B" Panel.

Actions Expected:

- 1) Auxiliary Operator should inform the Control Room/TSC of the "B" Emergency Diesel Generator problem.



Time: 0920
Message: 21X

GINNA STATION

1991 EVALUATED EXERCISE

MESSAGE FORM

Message for: Security Shift Supervisor

Simulated Plant Conditions:

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

The security compromise has ended with the apprehension of the person commandeering the Operations Trailer.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Give message to Security Shift Supervisor at 0920 to end Security Event.

Actions Expected:

- 1) Security Shift Supervisor should inform the TSC about the ending of the security compromise.
- 2) Security Department should be wrapping up the security problem.

Time: 0929
Message: 22X

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions:

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

The following annunciators are received:

- J-24 (Emergency Diesel Generator 1A Panel)
- J-9 (Safeguard Breaker Trip)

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) When Control Room operators check the "A" Emergency Diesel Generator KW and voltage, inform them that they are zero (0) KW and volts. Also, the "A" Emergency Diesel Generator Breakers to Buses 14 and 18 indicate open. Bus 14 and 18 voltage is normal, still fed from their normal power supplies.

Actions Expected:

- 1) Control Room operators should check the "A" Emergency Diesel Generator indications and Buses 14 and 18 indications.



Time: 0930
Message: 23

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See attached Sheets

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

Fire Zone S12 (Diesel Room 1A Preaction System) alarm and Flow alarms are received.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) This is the beginning of a smoldering fire in the "A" Emergency Diesel Generator due to an electrical fault.

Actions Expected:

- 1) Control Room operators sound the Fire Alarm.
- 2) The Fire Brigade is activated and responds.

1991 EVALUATED EXERCISE

Time: 0930

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>6.9×10^{-4}</u> AMPS
N-36	<u>6.4×10^{-4}</u> AMPS
Avg. Nuclear Power	<u>97.97</u> %
RCS Pressure	<u>2250</u> PSIG
PRZR Level	<u>47.8</u> %
A RCP	<u>RUNNING</u> /STOPPED
B RCP	<u>RUNNING</u> /STOPPED
1A S/G Level	<u>52.0</u> %
1B S/G Level	<u>52.0</u> %
1A S/G Pressure	<u>686</u> PSIG
1B S/G Pressure	<u>684</u> PSIG
Turbine/Generator	<u>ONLINE</u> /OFFLINE
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	A/ <u>30</u> VOLTS B/ <u>30</u> VOLTS
Cnmt Pressure	<u>0.5</u> PSIG
Cnmt Sump A Level	<u>1.7</u> FEET
Cnmt Sump B Level	<u>< 8</u> INCHES
A Loop Hot Leg	<u>600.2</u> OF
A Loop Cold Leg	<u>544.1</u> OF
B Loop Hot Leg	<u>600.2</u> OF
B Loop Cold Leg	<u>545.6</u> OF
RVLIS	<u>99.6</u> %
*CET	<u>609.9</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> 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 21.0 FEET

ENGINEERED SAFEGUARDSHigh 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 = 71 %

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/CLOSEDService Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 1D. INSERV/STBY/OOS
 A&B Header Pressure 82/74 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 NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	INH-B CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INH-B CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	6.91829-04	INH-B AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	6.42686-04	INH-B AMP
7	NP	AVERAGE NUCLEAR POWER	97.97	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2250.	GOOD PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	47.8	GOOD %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.7	GOOD %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.3	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	37.9	GOOD* DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	52.0	GOOD %
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	52.0	GOOD %
17	PSGA	STM GEN A AVERAGE PRESSURE	686.	GOOD PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	684.	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	.15	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	600.2	GOOD DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	600.2	GOOD DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	544.1	GOOD DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.6	GOOD DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	572.2	GOOD DEGF



GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	572.9	600D	DEGF
LRV	REACTOR VESSAL AVERAGE LEVEL	99.6	600D	%
+6 TCCORE	E1.1 INCORE TC AVERAGE TEMP	609.9	600*	DEGF
47 FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	600D	GPM
48 FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	600D	GPM
49 BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	600D	
50 BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	600D	
51 VJ505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	600D	
52 VJ504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	600D	
53 FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	600D	GPM
54 FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	600D	GPM
55 P2160	SERVICE WATER PUMPS A & B HEADER	82.	600D	PSIG
56 P2161	SERVICE WATER PUMPS C & D HEADER	74.	600D	PSIG
57 BKR041	SERVICE WATER PUMP A	ON	600D	
58 BKR042	SERVICE WATER PUMP B	ON	600D	
59 BKR043	SERVICE WATER PUMP C	OFF	600D	
60 BKR044	SERVICE WATER PUMP D	ON	600D	

E-0-J



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

09:30:35

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1660.	G000	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	G000	%
3	WS033	33 FOOT LEVEL WIND SPEED	3.7	G000	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	333.	G000	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	60.0	G000	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	58.4	G000	DEGF
7	WT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.6	G000	DEGF
8	R01	AREA 1-CONTROL ROOM	8.52658-02	G000	MR/H
9	R02	AREA 2-CONTAINMENT	6.96709+00	G000	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.14455-01	G000	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.73476+01	G000	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.92018-02	G000	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.23213-01	G000	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44853+03	G000	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.58170+03	G000	CPM
16	R12	CONTAINMENT GAS MONITOR	2.89580+03	G000	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.34361+01	G000	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.58517+01	G000	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.23235+01	G000	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.50012+03	G000	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.55133+03	G000	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.98179-01	G000	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.04474+00	G000	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.40809+02	G000	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.06295-07	G000	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.76687-02	G000	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.24692-05	G000	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.19647-03	G000	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.18394-06	G000	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.89925-05	G000	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.96572-03	G000	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.13577-06	G000	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.21203-05	G000	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.88031-04	G000	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.60154-02	G000	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.74081-03	G000	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	G000	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.4	G000	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.3	G000	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.7	G000	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.3	G000	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.6	G000	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	113.1	G000	DEGF

E-O-J

Time: 0935
Message: 24X

GINNA STATION

1991 EVALUATED EXERCISE

MESSAGE FORM

Message for: Fire Brigade Captain

Simulated Plant Conditions: See Attached Mini-Scenario

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

FOR CONTROLLER USE ONLY

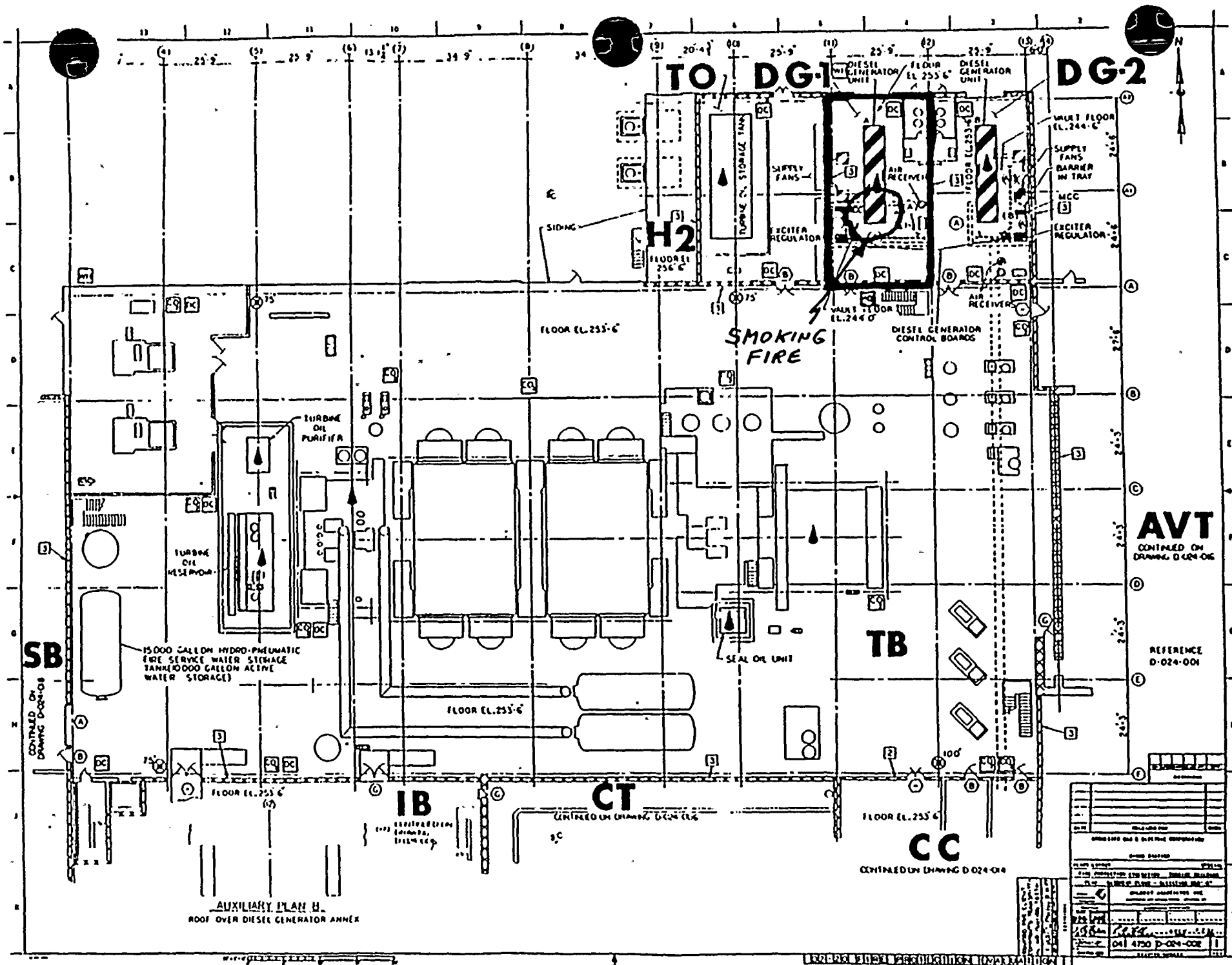
Controller Notes:

- 1) If offsite fire-fighting assistance is requested, controllers will intercede to prevent offsite fire department response.
- 2) See attached map for location of the fire. Provide information from the attached mini-scenario verbally when the appropriate investigations are made by the Fire Brigade (when they arrive).

Actions Expected:

- 1) Fire Brigade Captain to direct proper fire-fighting activities on the "A" Emergency Diesel Generator fire.
- 2) Fire Brigade Captain should keep Control Room advised of fire-fighting activities.





GINNA STATION

1991 EVALUATED EXERCISE

MINI-SCENARIO

Activity: Fire on the "A" Emergency Diesel Generator.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) The fire on the "A" Emergency Diesel Generator is on the generator, and is smoking heavily.
- 2) The fire on the "A" Emergency Diesel Generator will be considered extinguished at 0945 (See message 27X).

Actions Expected:

- 1) The fire should be extinguished using the proper fire-fighting techniques for this type of fire.
- 2) Fire Brigade Captain should make a preliminary investigation of the fire and report this to the Control/TSC.
- 3) After the fire is extinguished, all fire-fighting gear should be inventoried and re-stowed.

Time: 0935
Message: 25X

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: "B" Emergency Diesel Generator 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" Emergency Diesel Generator Repair Team.

Actions Expected:

- 1) The "B" Emergency Diesel Generator Repair Team should assess the problem with the "B" Emergency Diesel Generator and report this to the TSC/OSC.



ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

MINI SCENARIO

TITLE: Loss of "B" D/G due to Faulty "32X" Relay

INITIAL CONDITIONS:

D/G "B" running and supplying power to Bus 16 and 17.

METHOD OF INITIATION:

- o Simulate Simulator D/G trip scenario.
- o Local indication given by controller.

INDICATIONS: (Spare relay will be used for troubleshooting)

- o D/G Alarm Failure
- o Reverse Power Alarm locally
- o D/G Breakers 1G1B1 and 1G1B2 open
- o "R3" Relay operated
- o "Alm" Relay picked up
- o LERS Relay picked up
- o Local Red indicating light "Reverse power"
- o "RI" Relay drops out

EXPECTED SEQUENCE OF ACTIONS:

- o Local Inspection
- o Reveals above indications (no work order required)
- o Request made to have electricians check "Direct Power Relay"
- o Electricians report back relay has not tripped
- o Check 32X relay reveals
- o A couple of strands of wire shorted out 32X relay sealing contacts.

FINAL CONDITIONS:

- o Repair 32X relay input terminal connection and inspect remaining relays
- o D/G ready for use



Time: 0935
Message: 26

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room/TSC

Simulated Plant Conditions: See Attached Sheet

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

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Offsite fire fighting assistance is not participating. If assistance is requested, controllers will intercede to prevent offsite fire department response.

Actions Expected:

- 1) A Site Area Emergency should be declared in accordance with EPIP 1-0, "Ginna Station Event Evaluation and Classification," EAL: Fire; fire compromising the function of safety systems as determined by the SS/EC.
- 2) Implement EPIP 1-3, "Site Area Emergency."
 - a) Make notification per EPIP 1-5.
 - b) Assess and monitor Plant conditions. Update offsite agencies at least every half hour and whenever there are significant changes in Plant status.
 - c) Implement EPIP 1-6, "Site Evacuation."
- 3) The EOF should start manning when Site Area Emergency declared.



MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>6.9 x 10⁻⁴</u> AMPS
N-36	<u>6.4 x 10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>97.99</u> %
RCS Pressure	<u>2250</u> PSIG
PRZR Level	<u>47.4</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>51.4</u> %
1B S/G Level	<u>52.0</u> %
1A S/G Pressure	<u>686</u> PSIG
1B S/G Pressure	<u>684</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	A/ <u>30</u> VOLTS B/ <u>30</u> VOLTS
Cnmt Pressure	<u>1.5</u> PSIG
Cnmt Sump A Level	<u>1.8</u> FEET
Cnmt Sump B Level	<u>5.8</u> INCHES
A Loop Hot Leg	<u>600.2</u> OF
A Loop Cold Leg	<u>544.1</u> OF
B Loop Hot Leg	<u>600.2</u> OF
B Loop Cold Leg	<u>545.6</u> OF
RVLIS	<u>99.6</u> %
*CET	<u>609.1</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> 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 21.0 FEET

ENGINEERED SAFEGUARDSHigh 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 = 71 %

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 82.74 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

Time: 0940
Message: 27X

GINNA STATION

1991 EVALUATED EXERCISE

MESSAGE FORM

Message for: Fire Brigade Captain for "A" Emergency Diesel
Generator Fire

Simulated Plant Conditions:

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

The fire on the "A" Emergency Diesel Generator is extinguished.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Deliver when all objectives for the fire have been demonstrated. Deliver before 0945 at the latest.

Actions Expected:

- 1) Fire Brigade Captain should report to the Control Room/TSC that the Fire on the "A" Emergency Diesel Generator is extinguished.
- 2) Re-stow all gear.

Time: 0945
Message: 28

GINNA STATION

1991 EVALUATED EXERCISE

MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) The fire on the "A" Emergency Diesel Generator is extinguished. Efforts may commence to determine the damage to the "A" Emergency Diesel Generator.

Actions Expected:

- 1) Plant shutdown should commence.
- 2) TSC should send a repair team out to check on the damage to the "A" Emergency Diesel Generator.
- 3) TSC should be attempting to expedite repairs to the "B" Emergency Diesel Generator.

MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>6.4 x 10⁻⁴</u> AMPS
N-36	<u>6.4 x 10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>98.03</u> %
RCS Pressure	<u>22.50</u> PSIG
PRZR Level	<u>47.9</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>52.0</u> %
1B S/G Level	<u>52.0</u> %
1A S/G Pressure	<u>68.6</u> PSIG
1B S/G Pressure	<u>68.5</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	A/ <u>30</u> VOLTS B/ <u>30</u> VOLTS
Cnmt Pressure	<u>1.5</u> PSIG
Cnmt Sump A Level	<u>1.8</u> FEET
Cnmt Sump B Level	<u>5.8</u> INCHES
A Loop Hot Leg	<u>600.2</u> OF
A Loop Cold Leg	<u>544.1</u> OF
B Loop Hot Leg	<u>600.2</u> OF
B Loop Cold Leg	<u>545.6</u> OF
RVLIS	<u>99.6</u> %
*CET	<u>610.1</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> 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: 21.0 FEET

ENGINEERED SAFEGUARDSHigh 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 = 71 %

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 82/74 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



TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	NO ATWS	6000
2	RXT	REACTOR TRIP BREAKER STATUS	NOT TRIP	6000
3	N31	SOURCE RANGE DETECTOR N-31	1.00000+00	IN#B CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	IN#B CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	6.91829-04	IN#B AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	6.42686-04	IN#B AMP
7	NP	AVERAGE NUCLEAR POWER	98.03	6000 %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2250.	6000 PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	47.9	6000 %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.7	6000 %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.3	6000 %
12	RXT16	RCPA BREAKER CAUSE RX TRIP	NOT TRIP	6000
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	6000
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	37.9	600* DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	52.0	6000 %
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	52.0	6000 %
17	PSGA	STM GEN A AVERAGE PRESSURE	686.	6000 PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	685.	6000 PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 161372	NOT TRIP	6000
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	6000
21	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	6000
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	6000
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	6000
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	6000
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	6000
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	6000
27	PCV	CONTAINMENT AVERAGE PRESSURE	.15	6000 PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	1.8	6000 FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	6000
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	6000
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	6000
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	6000
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	6000
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	6000
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	6000
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	6000
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	6000
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	6000
39	T0409A	RCLA HOT LEG TEMPERATURE	600.2	6000 DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	600.2	6000 DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	544.1	6000 DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.6	6000 DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	572.2	6000 DEGF



GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
TAVGBWID	ROLB TAVG (THOT/TCOLD WIDE RING)	572.9	6000	DEGF
LRV	REACTOR VESSAL AVERAGE LEVEL	99.6	6000	%
46 TCCORE	E1.1 INCORE TC AVERAGE TEMP	610.1	600*	DEGF
47 FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	6000	GPM
48 FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	6000	GPM
49 BXR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	6000	
50 BXR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	6000	
51 V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	6000	
52 V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	6000	
53 FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	6000	GPM
54 FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	6000	GPM
55 P2160	SERVICE WATER PUMPS A & B HEADER	82.	6000	PSIG
56 P2161	SERVICE WATER PUMPS C & D HEADER	74.	6000	PSIG
57 BXR041	SERVICE WATER PUMP A	ON	6000	
58 BXR042	SERVICE WATER PUMP B	ON	6000	
59 BXR043	SERVICE WATER PUMP C	OFF	6000	
60 BXR044	SERVICE WATER PUMP D	ON	6000	

E-D-J



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

09:45:29

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1660.	G000	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	G000	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.4	G000	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	9.	G000	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.0	G000	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	57.4	G000	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.6	G000	DEGF
8	R01	AREA 1-CONTROL ROOM	8.56682-02	G000	MR/H
9	R02	AREA 2-CONTAINMENT	6.90420+00	G000	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.15831-01	G000	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.74121+01	G000	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.90183-02	G000	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.29503-01	G000	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44856+03	G000	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.52986+03	G000	CPM
16	R12	CONTAINMENT GAS MONITOR	2.85529+03	G000	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.38766+01	G000	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.57347+01	G000	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.27496+01	G000	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.53369+03	G000	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.56763+03	G000	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.91542-01	G000	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.09850+00	G000	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.48782+02	G000	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.07654-07	G000	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.77195-02	G000	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.20410-05	G000	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.19212-03	G000	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.10438-06	G000	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.84244-05	G000	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.95820-03	G000	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.12549-06	G000	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.25110-05	G000	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.85288-04	G000	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.67169-02	G000	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.76037-03	G000	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	G000	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.5	G000	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.4	G000	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.7	G000	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.4	G000	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.7	G000	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	113.3	G000	DEGF

E-O-J



Time: 0950
Message: 29X

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: 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: Fire; fire compromising the functions of safety systems as determined by the SS/EC.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Deliver only if a Site Area Emergency has not yet been declared. Do not deliver if emergency classification discussions are in progress.

Actions Expected:



Time: 1000
Message: 30

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

Power Control has informed you that 34.5 KV Circuit 751 has a failed bushing problem and must be taken out immediately. Power Control also states that it will take approximately 2 hours to repair the problem.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Plant Shutdown continues.

Actions Expected:

- 1) Control Room should inform the TSC of the 34.5 KV Circuit 751 problem.
- 2) Control Room operators should remove 34.5 KV Circuit 751 from service per operating procedure 0-6.9.2 (Establishing and/or Transferring Offsite Power to Bus 12A/Bus 12B).
- 3) TSC should be evaluating the loss of both Emergency Diesel Generators and 34.5 KV Circuit 751 with respect to electrical availability to the Station (i.e., power sources remaining).

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>0.16</u> $\times 10^{-4}$ AMPS
N-36	<u>6.1</u> $\times 10^{-4}$ AMPS
Avg. Nuclear Power	<u>93.17</u> %
RCS Pressure	<u>2241</u> PSIG
PRZR Level	<u>47.1</u> %
A RCP	<u>RUNNING</u> /STOPPED
B RCP	<u>RUNNING</u> /STOPPED
1A S/G Level	<u>53.7</u> %
1B S/G Level	<u>53.7</u> %
1A S/G Pressure	<u>700</u> PSIG
1B S/G Pressure	<u>698</u> PSIG
Turbine/Generator	<u>ONLINE</u> /OFFLINE
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	A/ <u>30</u> VOLTS B/ <u>30</u> VOLTS
Cnmt Pressure	<u>1.17</u> PSIG
Cnmt Sump A Level	<u>1.8</u> FEET
Cnmt Sump B Level	<u>2.8</u> INCHES
A Loop Hot Leg	<u>598.3</u> OF
A Loop Cold Leg	<u>544.4</u> OF
B Loop Hot Leg	<u>598.3</u> OF
B Loop Cold Leg	<u>545.9</u> OF
RVLIS	<u>99.6</u> %
*CET	<u>607.3</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> 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 19.5 FEET

ENGINEERED SAFEGUARDSHigh 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 = 70 %

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 82.74 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 5 %

Standby Aux. Feedwater Pumps

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

*CET = Average of Selected Core Exit Thermocouples



TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	ATWS	ANTICIPATED TRANSIENT W/D 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	6.57655-04	INHB AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	6.10940-04	INHB AMP
7	NP	AVERAGE NUCLEAR POWER	93.17	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2241.	GOOD PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	47.1	GOOD %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.6	GOOD %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.2	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	40.1	GOOD* DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	53.7	GOOD %
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	53.7	GOOD %
17	PSSA	STM GEN A AVERAGE PRESSURE	700.	GOOD PSIG
18	PSSB	STM GEN B AVERAGE PRESSURE	698.	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	BUS 12A SUPPLY BREAKER	Not TRIP	Good
24	BUS12B	BUS 12B SUPPLY BREAKER	Not TRIP	Good
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	1.8	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	598.3	GOOD DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	598.3	GOOD DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	544.4	GOOD DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.9	GOOD DEGF
43	TAV6AWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	571.4	GOOD DEGF



GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS	
0	TAVGBWID	ROLD TAVG (THOT/TCOLD WIDE RNS)	572.1	6000	DEGF
	LRV	REACTOR VESSAL AVERAGE LEVEL	99.6	6000	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	607.3	600*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	6000	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	6000	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	6000	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	6000	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	6000	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	6000	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	6000	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	6000	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	82.	6000	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	74.	6000	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	6000	
58	BKR042	SERVICE WATER PUMP B	ON	6000	
59	BKR043	SERVICE WATER PUMP C	OFF	6000	
60	BKR044	SERVICE WATER PUMP D	ON	6000	

E-0-J

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

10:00:33

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1656.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	3.8	GOOD	MPH
4	W0033	33 FOOT LEVEL WIND DIRECTION	2.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.0	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	57.4	GOOD	DEGF
7	W0T2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.6	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.50778-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.96339+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.13619-01	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.78545+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.99141-02	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.27897-01	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44859+03	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.54242+03	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	2.85205+03	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.33716+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.59072+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.23836+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.56100+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.56389+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.99208-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.06635+00	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.45188+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.09272-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.77445-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.24379-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.13114-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.16008-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.89357-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.96012-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.15614-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.21872-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.88431-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.60247-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.74365-03	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.3	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.2	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.5	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	113.0	GOOD	DEGF

E-O-J



Time: 1000
Message: 31X

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: "A" Emergency Diesel Generator 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 "A" Emergency Diesel Generator Repair Team.

Actions Expected:

- 1) The "A" Emergency Diesel Generator Repair Team should assess the damage to the "A" Emergency Generator and time to repair.



ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

MINI SCENARIO

TITLE: Loss of "1A" Emergency Diesel Generator
(Generator Fire)

INITIAL CONDITIONS:

Plant conditions are "as provided".

1A Emergency Diesel Generator is running in parallel with bus 14 & 18 for performance of PT-12.1.

METHOD OF INITIATION:

Simulator Driven (actual alarms)

Back up - Hard Copies (messages)

INDICATIONS:

- o Breaker EG1A1 Trips - Diesel supply to Bus 14
- o Breaker EG1A2 Trips - Diesel supply to Bus 18
(The white light is received for each of the breakers)

MCB Alarms:

J-9 "Safeguard Breaker Trip"
L-13 "Safeguard Bus D/G Breaker
Overcurrent Trip"
J-24 "Emergency Diesel Gen 1A Panel

Control Room:

Fire Zone S12 alarm and flow alarms.

Local Indications: (1A Diesel Room)

Generator

- o Heavy smoke in 1A Diesel Room.
- o Charring and residue around generator vent openings.
- o Heavy burnt insulation smell (burns the eyes).
- o Generator megger readings (if taken):
Generator stator: 0 ohms phase to ground on all three phases.



DIESEL ENGINE

- o When the smoke is cleared and personnel investigate the diesel engine they find the diesel engine has experienced an overspeed condition as indicated by:
 - Overspeed trip mechanism tripped
 - Overspeed alarm light on local generator panel is lighted (red light).
 - Overcurrent alarm light on local Generator panel is lighted (red light).

EXPECTED SEQUENCE OF ACTIONS:

- o Operator sounds the fire alarm.
- o Operator checks 480V buses 14 & 18 to ensure they are energized. (Buses remain energized.)
- o The fire brigade combats the fire.
- o Once the fire is out, the repair team investigates the damage and repairs necessary on the 1A emergency diesel engine & generator.
- o Planners and electricians prepare a package to investigate & repair 1A emergency diesel generator.

FINAL CONDITIONS:

1A emergency diesel generator out of service. The generator will require rewinding by a vendor.



Time: 1015
Message: 32

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Plant Shutdown continues.

Actions Expected:



MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>6.2 x 10⁻⁴</u> AMPS
N-36	<u>5.7 x 10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>87.27</u> %
RCS Pressure	<u>224.6</u> PSIG
PRZR Level	<u>44.6</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>53.2</u> %
1B S/G Level	<u>53.2</u> %
1A S/G Pressure	<u>713</u> PSIG
1B S/G Pressure	<u>712</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	A <u>130</u> VOLTS B <u>130</u> VOLTS
Cnmt Pressure	<u>1.17</u> PSIG
Cnmt Sump A Level	<u>1.8</u> FEET
Cnmt Sump B Level	<u>1.8</u> INCHES
A Loop Hot Leg	<u>595.0</u> OF
A Loop Cold Leg	<u>544.2</u> OF
B Loop Hot Leg	<u>595.0</u> OF
B Loop Cold Leg	<u>545.6</u> OF
RVLIS	<u>99.7</u> %
*CET	<u>603.6</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> 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 : 19.0 FEET

ENGINEERED SAFEGUARDSHigh 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 = 70 %

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 82.74 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 NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	6.16593-04	INHB AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	5.70163-04	INHB AMP
7	NP	AVERAGE NUCLEAR POWER	87.27	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2246.	GOOD PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	44.6	GOOD %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.6	GOOD %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.3	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	44.5	GOOD* DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	53.2	GOOD %
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	53.2	GOOD %
17	PSGA	STM GEN A AVERAGE PRESSURE	713.	GOOD PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	712.	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	1.8	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	595.0	GOOD DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	595.0	GOOD DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	544.2	GOOD DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.6	GOOD DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RANG)	569.6	GOOD DEGF



GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
TAVGBWID	RCLB TAWG (THOT/TCOLD WIDE RWS)	570.3	600D	DEGF
LRV	REACTOR VESSAL AVERAGE LEVEL	99.7	600D	%
46 TCCORE	E1.1 INCORE TC AVERAGE TEMP	603.6	600*	DEGF
47 FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	600D	GPM
48 FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	600D	GPM
49 BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	600D	
50 BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	600D	
51 V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	600D	
52 V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	600D	
53 FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	600D	GPM
54 FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	600D	GPM
55 P2160	SERVICE WATER PUMPS A & B HEADER	82.	600D	PSIG
56 P2161	SERVICE WATER PUMPS C & D HEADER	74.	600D	PSIG
57 BKR041	SERVICE WATER PUMP A	ON	600D	
58 BKR042	SERVICE WATER PUMP B	ON	600D	
59 BKR043	SERVICE WATER PUMP C	OFF	600D	
60 BKR044	SERVICE WATER PUMP D	ON	600D	

E-0-J

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

10:15:09

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1651.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.7	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	5.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	58.2	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	56.6	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.6	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.59023-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.96759-00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.17109-01	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.78926-01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.95038-02	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.22740-01	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44862-03	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.54669-03	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	2.89202-03	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.30325-01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.53975-01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.29835-01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.54630-03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.58775-03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.91114-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.01868-00	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.46197-02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.01091-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.74308-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.26255-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.12679-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.17245-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.83062-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.95880-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.19343-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.27418-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.85873-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.64429-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.75608-03	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.2	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.3	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.2	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.6	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	110.3	GOOD	DEGF

E-O-J



Time: 1030
Message: 33

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

The following Control Room annunciators are received:

- H-27 (Turbine DRVN Feed Pump DC Oil Pump Auto Start)
- H-20 (Turbine DRVN Feed Pump LO Oil Press 4.8 psi)

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) When Control Room operators check Turbine Driven Auxiliary Feedwater Pump Oil Pumps on Control Board, Inform them that both the AC and DC pumps indicate on.
- 2) Controller will have to go with Auxiliary Operator sent to check out Turbine Driven Auxiliary Feedwater Pump problem (See message 34X).
- 3) Plant Shutdown continues.

Actions Expected:

- 1) Control Room should inform the TSC of the Turbine Driven Auxiliary Feed Water Pump oil problem.
- 2) Control Room/TSC should send on Auxiliary operator to check out the Turbine Driven Auxiliary Feedwater Pump oil problem.
- 3) EOF should be nearing operational readiness of the Emergency Response Organization.



MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>5.6x10⁻⁴</u> AMPS
N-36	<u>5.2x10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>80.00</u> %
RCS Pressure	<u>22.60</u> PSIG
PRZR Level	<u>44.0</u> %
A RCP	<u>RUNNING</u> /STOPPED
B RCP	<u>RUNNING</u> /STOPPED
1A S/G Level	<u>52.8</u> %
1B S/G Level	<u>52.7</u> %
1A S/G Pressure	<u>738</u> PSIG
1B S/G Pressure	<u>737</u> PSIG
Turbine/Generator	<u>ONLINE</u> /OFFLINE
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	A <u>30</u> VOLTS B <u>30</u> VOLTS
Cnmt Pressure	<u>1.7</u> PSIG
Cnmt Sump A Level	<u>1.9</u> FEET
Cnmt Sump B Level	<u>8</u> INCHES
A Loop Hot Leg	<u>591.9</u> OF
A Loop Cold Leg	<u>545.2</u> OF
B Loop Hot Leg	<u>591.9</u> OF
B Loop Cold Leg	<u>546.5</u> OF
RVLIS	<u>99.7</u> %
*CET	<u>600.2</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> 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
 T Level 19.0 FEET

ENGINEERED SAFEGUARDSHigh 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 = 69 %

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 82.75 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 NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	INHIB CPS
4	N32	SOURCE RANGE DETECTOR N-32	1.00000+00	INHIB CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	5.64936-04	INHIB AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	5.22394-04	INHIB AMP
7	NP	AVERAGE NUCLEAR POWER	80.00	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2260.	HMRN PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	44.0	GOOD %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.5	GOOD %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.2	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	49.4	GOOD* DEGF
15	LSSA	STM GEN A NARROW RANGE AVG LEVEL	52.8	GOOD %
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	52.7	GOOD %
17	PSGA	STM GEN A AVERAGE PRESSURE	738.	GOOD PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	737.	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	1.9	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	591.9	GOOD DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	591.9	GOOD DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	545.2	GOOD DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	546.5	GOOD DEGF
43	TAVGAWID	RCLA TAVG (THGT/TCOLD WIDE RNG)	568.6	GOOD DEGF

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	569.2	6000	DEGF
LRV	REACTOR VESSAL AVERAGE LEVEL	99.7	6000	%
46 TCCORE	E1.1 INCORE TC AVERAGE TEMP	600.2	600*	DEGF
47 FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	6000	GPM
48 FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	6000	GPM
49 BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	6000	
50 BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	6000	
51 V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	6000	
52 V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	6000	
53 FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	6000	GPM
54 FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	6000	GPM
55 P2160	SERVICE WATER PUMPS A & B HEADER	82.	6000	PSIG
56 P2161	SERVICE WATER PUMPS C & D HEADER	75.	6000	PSIG
57 BKR041	SERVICE WATER PUMP A	ON	6000	
58 BKR042	SERVICE WATER PUMP B	ON	6000	
59 BKR043	SERVICE WATER PUMP C	OFF	6000	
60 BKR044	SERVICE WATER PUMP D	ON	6000	

E-0-J

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

10:30:31

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1651.	LALM	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	7.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	57.7	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	56.2	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.5	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.53591-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.99404+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.17327-01	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.78260+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.96621-02	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.25101-01	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44865+03	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.59378+03	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	2.89781+03	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.34322+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.50368+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.22190+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.56142+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.54016+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.93545-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.06539+00	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.47078+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.05987-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.73502-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.23936-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.17269-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.14800-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.82556-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.91435-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.16129-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.27881-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.84789-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.64071-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.72382-03	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.1	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.5	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.5	GOOD	DEGF

E-O-J



Time: 1040
Message: 34X

GINNA STATION

1991 EVALUATED EXERCISE

MESSAGE FORM

Message for: Auxiliary Operator Sent Out to Check the Turbine
Driven Auxiliary Feedwater Pump Oil System Problem

Simulated Plant Conditions:

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

There is an oil leak where the pressurized oil line enters the
Turbine.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Provide information when appropriate investigations are made by the Auxiliary Operator sent out to check the Turbine Driven Auxiliary Feedwater Pump Oil System problem.

Actions Expected:

- 1) The Auxiliary Operator sent out to check the Turbine Driven Auxiliary Feedwater Pump Oil System problem should request the Control Room to remove the AC and DC Pumps from service to stop the leak.
- 2) Control Room operators should take out the TDAFW Pump AC and DC Oil Pumps.
- 3) TSC should send a repair team out to check out the TDAFW Pump oil problem.

Time: 1045
Message: 35X

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Turbine Driven Auxiliary Feedwater Pump 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 Turbine Driven Auxiliary Feedwater Pump Repair Team.

Actions Expected:

- 1) The Turbine Driven Auxiliary Feedwater Pump Repair Team should assess the oil system problem and report this to the TSC/OSC.

ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

MINI SCENARIO

TITLE: TDAFW-Pump Oil System Leak

INITIAL CONDITIONS:

TDAFW-Pump Oil System running and supplying oil to the TDAFW-Pump.

METHOD OF INITIATION:

Operator initiated holds as required for TDAFW-Pump and notified maintenance for repairs.

INDICATIONS:

- o Low oil in reservoir.
- o Low oil pressure
- o Both oil pumps running
- o High pressure flange from oil pump system to TDAFW-Pump control valve leaking.

EXPECTED SEQUENCE OF ACTIONS: "

- o Notify maintenance support group.
- o Pipe Shop planner received T.R. to evaluate trouble.
- o Pipe Shop planner investigate report.
- o Initiate W.R. and package for repairs
- o Pipe foreman receives package and initiates crew to make required repairs.

FINAL CONDITIONS:

Notify TSC of completion of maintenance and to remove holds testing as required and reinstate pump for service.



Time: 1045
Message: 36

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Plant Shutdown continues.

Actions Expected:



MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>5.5 X 10⁻⁴</u> AMPS
N-36	<u>5.1 X 10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>77.76</u> %
RCS Pressure	<u>2250</u> PSIG
PRZR Level	<u>42.5</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>57.1</u> %
1B S/G Level	<u>57.7</u> %
1A S/G Pressure	<u>739</u> PSIG
1B S/G Pressure	<u>738</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A/30 VOLTS B/30 VOLTS</u>
Cnmt Pressure	<u>.17</u> PSIG
Cnmt Sump A Level	<u>1.9</u> FEET
Cnmt Sump B Level	<u>8</u> INCHES
A Loop Hot Leg	<u>590.0</u> OF
A Loop Cold Leg	<u>544.4</u> OF
B Loop Hot Leg	<u>590.0</u> OF
B Loop Cold Leg	<u>545.7</u> OF
RVLIS	<u>99.7</u> %
*CET	<u>597.4</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> 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 19.0 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 82/75 PSIG

Component Cooling Water Pumps
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 5 %

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

*CET = Average of Selected Core Exit Thermocouples



TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	5.49539-04	INHB AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	5.08158-04	INHB AMP
7	NP	AVERAGE NUCLEAR POWER	77.76	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2250.	GOOD PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	42.5	GOOD %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.6	GOOD %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.3	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	51.1	GOOD* DEGF
15	LS6A	5TH GEN A NARROW RANGE AVG LEVEL	51.7	GOOD %
16	LS6B	5TH GEN B NARROW RANGE AVG LEVEL	51.7	GOOD %
17	PS6A	5TH GEN A AVERAGE PRESSURE	739.	GOOD PSIG
18	PS6B	5TH GEN B AVERAGE PRESSURE	738.	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	1.9	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	590.0	GOOD DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	590.0	GOOD DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	544.4	GOOD DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.7	GOOD DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	567.2	GOOD DEGF



GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS•DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
TAV68MID	RCLB TAV6 (THOT/TCOLD WIDE RNS)	567.9	600D	DEGF
LRV	REACTOR VESSAL AVERAGE LEVEL	99.7	600D	%
46	TCCORE	597.9	600•	DEGF
47	FAUXFWA	0.	600D	GPM
48	FAUXFWB	0.	600D	GPM
49	BKR081	OFF	600D	
50	BKR082	OFF	600D	
51	V3505	CLOSED	600D	
52	V3504	CLOSED	600D	
53	FS1A	0.	600D	GPM
54	FS1B	0.	600D	GPM
55	P2160	82.	600D	PS16
56	P2161	75.	600D	PS16
57	BKR041	ON	600D	
58	BKR042	ON	600D	
59	BKR043	OFF	600D	
60	BKR044	ON	600D	

E-0-J

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

10:45:35

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1656.	LALM	GPM
2	LRVST	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	5.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.1	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	59.5	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	0.6	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.55613-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.94230+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.16887-01	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.78195+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.99274-02	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.29416-01	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44868+03	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.57007+03	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	2.86345+03	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.40951+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.53411+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.26809+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.52885+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.51042+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.93854-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.04067+00	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.43591+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.01237-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.72594-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.27636-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.10917-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.14740-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.85315-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.96925-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.11739-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.24637-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.81696-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.62138-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.70880-03	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.3	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.5	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.2	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.5	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.4	GOOD	DEGF

5-0-J



Time: 1050
Message: 37X

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: "B" Emergency Diesel Repair Team

Simulated Plant Conditions:

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

The "B" Emergency Diesel problem is repaired.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Provide information to "B" Emergency Diesel Generator Repair Team just prior to 1050.
- 2) Plant Shutdown continues..

Actions Expected:

- 1) The "B" Emergency Diesel Generator Repair Team should inform the TSC/OCS that the problem has been repaired.
- 2) The TSC should inform the Control Room to line up the "B" Emergency Diesel Generator and perform an operability test.
- 3) The Control Room should remove any "Holds" on the "B" Emergency Diesel Generator and have it aligned per T-27.2 (1B Emergency Diesel Generator pre-startup alignment).



Time: 1100
Message: 38

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Plant Shutdown continues.
- 2) Auxiliary operator lining up "B" Emergency Diesel Generator.
- **** 3) The control of the Scenario will switch from Simulator Driven to Hard Copy Driven.

Actions Expected:

MAJOR PARAMETERS

Reactor Shutdown	YES <u>NO</u>
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>5.3 x 10⁻⁴</u> AMPS
N-36	<u>4.4 x 10⁻⁴</u> AMPS
Avg. Nuclear Power	<u>75.61</u> %
RCS Pressure	<u>2249</u> PSIG
PRZR Level	<u>42.1</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>57.4</u> %
1B S/G Level	<u>57.4</u> %
1A S/G Pressure	<u>746</u> PSIG
1B S/G Pressure	<u>745</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	A <u>130</u> VOLTS B <u>130</u> VOLTS
Cnmt Pressure	<u>.17</u> PSIG
Cnmt Sump A Level	<u>1.9</u> FEET
Cnmt Sump B Level	<u>5.8</u> INCHES
A Loop Hot Leg	<u>589.1</u> OF
A Loop Cold Leg	<u>544.8</u> OF
B Loop Hot Leg	<u>589.1</u> OF
B Loop Cold Leg	<u>545.9</u> OF
RVLIS	<u>99.7</u> %
*CET	<u>596.7</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> 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 : 19.0 FEET

ENGINEERED SAFEGUARDSHigh 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 = 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 83.75 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



TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS=DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	5.34563-04	INHB AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	4.94309-04	INHB AMP
7	NP	AVERAGE NUCLEAR POWER	75.61	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2249.	GOOD PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	42.1	GOOD %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.6	GOOD %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.2	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	32.7	GOOD* DEGF
15	LSSA	STM GEN A NARROW RANGE AVG LEVEL	51.4	GOOD %
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	51.4	GOOD %
17	PSGA	STM GEN A AVERAGE PRESSURE	746.	GOOD PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	745.	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	1.9	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	589.1	GOOD DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	589.1	GOOD DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	544.8	GOOD DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.9	GOOD DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RING)	567.0	GOOD DEGF



GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
	TAV68WID	RCLB TAVG (THOT/TCOLD WIDE RNS)	567.5	6000	DEGF
	LRV	REACTOR VESSAL AVERAGE LEVEL	99.7	6000	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	596.7	600*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	6000	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	6000	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	6000	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	6000	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	6000	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	6000	
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	6000	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	6000	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	83.	6000	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	75.	6000	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	6000	
58	BKR042	SERVICE WATER PUMP B	ON	6000	
59	BKR043	SERVICE WATER PUMP C	OFF	6000	
60	BKR044	SERVICE WATER PUMP D	ON	6000	

E-0-J

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

11:00:28

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1660.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.0	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	359.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	58.8	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	59.4	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	0.6	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.58452-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.99270+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.16414-01	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.77397+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.96157-02	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.26330-01	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44871+03	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.58055+03	GOOD	CPM
16.	R12	CONTAINMENT GAS MONITOR	2.89768+03	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.40212+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.54520+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.29138+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.58429+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.51193+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.90535-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.06725+00	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.41477+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.00582-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.71432-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.26736-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.16894-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.10208-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.89498-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.91660-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.15742-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.27548-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.85789-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.62347-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.73935-03	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.1	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.2	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.4	GOOD	DEGF

E-0-J

Time: 1105
Message: 39X

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Auxiliary Operator Lining Up the "B" Emergency Diesel Generator

Simulated Plant Conditions:

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

The "B" Emergency Diesel Generator lineup in done per T-27.2.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Provide information just prior to 1105.
- 2) Plant Shutdown continues."

Actions Expected:

- 1) Auxiliary operator lining up the "B" Emergency Diesel Generator per T-27.2 will inform Control Room/TSC that he has completed the lineup.
- 2) TSC should request the Control Room to start and load the "B" Emergency Diesel Generator per PT-12.2 to prove operability.
- 3) Control Room should run the "B" Emergency Diesel Generator per PT-12.2 to prove operability.



Time: 1115
Message: 40

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Plant Shutdown continues.

Actions Expected:



1991 EVALUATED EXERCISE

Time: 1115MAJOR PARAMETERS

Reactor Shutdown YES (NO)
 N-31 0 CPS
 N-32 0 CPS
 N-35 5.2 X 10⁻⁴ AMPS
 N-36 4.8 X 10⁻⁴ AMPS
 Avg. Nuclear Power 73.44 %
 RCS Pressure 2250 PSIG
 PRZR Level 41.5 %
 A RCP (RUNNING) STOPPED
 B RCP (RUNNING) STOPPED
 1A S/G Level 57.0 %
 1B S/G Level 51.0 %
 1A S/G Pressure 753 PSIG
 1B S/G Pressure 752 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 2.0 FEET
 Cnmt Sump B Level 5.8 INCHES
 A Loop Hot Leg 588.0 OF
 A Loop Cold Leg 544.8 OF
 B Loop Hot Leg 588.0 OF
 B Loop Cold Leg 545.4 OF
 RVLIS 99.7 %
 *CET 595.6 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: 19.5 FEET

ENGINEERED SAFEGUARDSHigh 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 = 65 %

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 83.75 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 NAME GROUP DESCRIPTION
EVENT1 PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	5.19995-04	INHB AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	4.78629-04	INHB AMP
7	NP	AVERAGE NUCLEAR POWER	73.44	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2250.	GOOD PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	41.5	GOOD %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	99.6	GOOD %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	99.2	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	54.0	GOOD* DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	51.0	GOOD %
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	51.0	GOOD %
17	PSGA	STM GEN A AVERAGE PRESSURE	753.	GOOD PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	752.	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	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	588.0	GOOD DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	588.0	GOOD DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	544.8	GOOD DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	545.9	GOOD DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	566.4	GOOD DEGF



GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
TAV6BWID	ROLL TANG (THOT/TCOLD WIDE RING)	547.0	6000	DEGF
LRV	REACTOR VESSEL AVERAGE LEVEL	99.7	6000	%
46 TCCORE	E1.1 INCORE TC AVERAGE TEMP	595.6	600*	DEGF
47 FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	6000	GPM
48 FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	0.	6000	GPM
49 BKR081	MTR AUXILIARY FEEDWATER PUMP A	OFF	6000	
50 BKR082	MTR AUXILIARY FEEDWATER PUMP B	OFF	6000	
51 V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	6000	
52 V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	6000	
53 FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	6000	GPM
54 FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	6000	GPM
55 P2160	SERVICE WATER PUMPS A & B HEADER	83.	6000	PSIG
56 P2161	SERVICE WATER PUMPS C & D HEADER	75.	6000	PSIG
57 BKR041	SERVICE WATER PUMP A	ON	6000	
58 BKR042	SERVICE WATER PUMP B	ON	6000	
59 BKR043	SERVICE WATER PUMP C	OFF	6000	
60 BKR044	SERVICE WATER PUMP D	ON	6000	

E-0-J

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

11:15:32

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1660.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	G000	%
3	WS033	33 FOOT LEVEL WIND SPEED	3.3	G000	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	17.	G000	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.6	G000	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	59.5	G000	DEGF
7	WD12	250 TO 33 FOOT LEVEL DELTA TEMP	-0.1	G000	DEGF
8	R01	AREA 1-CONTROL ROOM	8.51106-02	G000	MR/H
9	R02	AREA 2-CONTAINMENT	6.91022+00	G000	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.16390-01	G000	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.79488+01	G000	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.91575-02	G000	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.22357-01	G000	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44874+03	G000	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.53489+03	G000	CPM
16	R12	CONTAINMENT GAS MONITOR	2.81164+03	G000	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.49301+01	G000	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.50660+01	G000	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.24723+01	G000	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.52899+03	G000	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.57548+03	G000	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.96208-01	G000	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.04272+00	G000	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.45586+02	G000	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.03148-07	G000	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.78396-02	G000	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.27856-05	G000	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.12294-03	G000	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.11103-06	G000	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.89790-05	G000	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.90067-03	G000	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.15314-06	G000	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.22197-05	G000	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.88405-04	G000	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.63851-02	G000	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.77738-03	G000	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	G000	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.1	G000	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.2	G000	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.3	G000	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.8	G000	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.7	G000	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.0	G000	DEGF



Time: 1125
Message: 41

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions:

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

The Following annunciators are received:

- AA-18 (Reactor Coolant Pump Vibration Alert)

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) When Control Room operators observe the RCP vibration instruments, Inform that the "A" RCP is indicating 10.5 mils and increasing slowly.

Actions Expected:

- 1) Control Room operators should perform the applicable actions of Alarm Response Procedure AR-AA-18.



Time: 1130
Message: 42

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

The following annunciators are receivers in the Control Room:

- B-27 (RCS Loop A Lo Flow Channel Alert)
- B-29 (RCP Breaker Channel Alert)
- D-15 (RCS Loop A Low Flow 2/3 91%)
- D-17 (Reactor Coolant Pumps Tripped)
- D-12 (Pressurizer Hi Pressure 2377 psi)
- AA-13 (Pressurizer Safety Valve Position)
- F-18 (PRZR Safety VLV Outlet Temperature (145oF))

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) If operators ask what Loop "A" Flow is, it is essentially zero (0).
- 2) When operators trip the reactor manually, it does trip.

Actions Expected:

- 1) Operators perform the immediate actions of E-0 (Reactor Trip or Safety Injection) including manually tripping the reactor.

MAJOR PARAMETERS

Reactor Shutdown	YES/NO
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>3.3×10^{-4}</u> AMPS
N-36	<u>3.0×10^{-4}</u> AMPS
Avg. Nuclear Power	<u>46.46</u> %
RCS Pressure	<u>2490</u> PSIG
PRZR Level	<u>48.5</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>53.1</u> %
1B S/G Level	<u>50.2</u> %
1A S/G Pressure	<u>913</u> PSIG
1B S/G Pressure	<u>990</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	A <u>130</u> VOLTS B <u>130</u> VOLTS
Cnmt Pressure	<u>.17</u> PSIG
Cnmt Sump A Level	<u>2.0</u> FEET
Cnmt Sump B Level	<u>28</u> INCHES
A Loop Hot Leg	<u>535.9</u> OF
A Loop Cold Leg	<u>551.2</u> OF
B Loop Hot Leg	<u>601.3</u> OF
B Loop Cold Leg	<u>563.6</u> OF
RVLIS	<u>101.4</u> %
*CET	<u>2700.1</u> OF
S/G A Total Aux FW Flow	<u>200</u> GPM
S/G B Total Aux FW Flow	<u>207</u> 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: 19.0 FEET

ENGINEERED SAFEGUARDSHigh 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 = 64 %

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 83/75 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



TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	GOOD	
3	N31	SOURCE RANGE DETECTOR N-31	INHIB	CPS
4	N32	SOURCE RANGE DETECTOR N-32	INHIB	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	INHIB	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	INHIB	AMP
7	NP	AVERAGE NUCLEAR POWER	46.96	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2490.	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	48.5	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	8.6	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	102.2	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIP	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	34.0	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	53.1	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	50.2	%
17	PSGA	STM GEN A AVERAGE PRESSURE	913.	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	440.	PSIG
	GENBKR1	GENERATOR ON LINE BREAKER 161372	NOT TRIP	
	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	NOT TRIP	
	BUS11A	BUS 11A SUPPLY BREAKER	NOT TRIP	
22	BUS11B	BUS 11B SUPPLY BREAKER	NOT TRIP	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	
27	PCV	CONTAINMENT AVERAGE PRESSURE	.17	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	2.0	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	
39	T0409A	RCLA HOT LEG TEMPERATURE	535.9	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	601.3	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	551.2	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	563.6	DEGF
43	TAV6AWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	543.6	DEGF



GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS=DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RING)	581.3	GOOD	DEGF
LRV	REACTOR VESSAL AVERAGE LEVEL	101.9	GOOD	%
46 TCCORE	E1.1 INCORE TC AVERAGE TEMP	4700.1	GOOD	DEGF
47 FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	200.	GOOD	GPM
48 FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	207.	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	
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	83.	GOOD	PSIG
56 P2161	SERVICE WATER PUMPS C & D HEADER	75.	GOOD	PSIG
57 BKR041	SERVICE WATER PUMP A	ON	GOOD	
58 BKR042	SERVICE WATER PUMP B	ON	GOOD	
59 BKR043	SERVICE WATER PUMP C	OFF	GOOD	
60 BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

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

11:30:35

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	FO619	COMPONENT COOLING LOOP TOTAL FLW	1701.	LALM	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	45.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	58.2	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	58.1	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.1	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.50742-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	1.10456+02	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.74788+00	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	2.40641+04	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.13423+02	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	2.26654+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	7.04183+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	1.32205+02	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	9.06134+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	8.47883+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	2.91432+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.97356-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.00543+00	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.41290+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.03259-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	4.99983+00	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.20961-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.16866-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.14345-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.89487-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.94707-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.15322-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.29834-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.89566-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.74518-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.52283-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	198.8	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	198.7	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	198.4	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	198.9	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	198.1	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	208.9	GOOD	DEGF

E-0-J



Time: 1131
Message: 43

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

The following annunciators are received in the Control Room:

- F- 9 (PRT Hi Press 5psi)
- F-17 (PRT Level 60.8% 84.5)

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) If operators check safety valve position, inform them that Safety Valve 434 still indicates open.
- 2) If operators check PRT pressure and level, Inform them that pressure is 50psig and level is 87%.

Actions Expected:

- 1) Operators performing the actions of E-0 and possibly ES-0.1 (Reactor Trip Response).
- 2) Control Room informs TSC of Plant conditions.
- 3) TSC informs EOF of Plant conditions.
- 4) A General Emergency should be declared in accordance with EPIP 1-0, "Ginna Station Event Evaluation and Classification," EAL: Loss of Engineered Safety Features; inability to shut down the reactor which results in core damage. Indications of this might include:
 - o Reactor remains at power after reactor trip initiated.
 - o RCS pressure above safety valve setting of 2485 psig, EAL: Fuel damage; Rx Vessel Thermocouples > 1200oF.
- 5) Implement EPIP 1-4, "General Emergency."
 - a) Make notifications per EPIP 1-5
 - b) Make immediate protective action recommendations per EPIP 2-1.
 - c) Assess and monitor Plant conditions. Update offsite agencies at least every half hour and whenever there are significant changes in Plant status.



MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>2.6x10⁻⁶</u> AMPS
N-36	<u>2.2x10⁻⁶</u> AMPS
Avg. Nuclear Power	<u>.38</u> %
RCS Pressure	<u>22.00</u> PSIG
PRZR Level	<u>30.5</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>54.6</u> %
1B S/G Level	<u>30.2</u> %
1A S/G Pressure	<u>913</u> PSIG
1B S/G Pressure	<u>990</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A/30 VOLTS</u> <u>B/30 VOLTS</u>
Cnmt Pressure	<u>.19</u> PSIG
Cnmt Sump A Level	<u>2.0</u> FEET
Cnmt Sump B Level	<u><8</u> INCHES
A Loop Hot Leg	<u>520.0</u> OF
A Loop Cold Leg	<u>540.3</u> OF
B Loop Hot Leg	<u>543.4</u> OF
B Loop Cold Leg	<u>540.9</u> OF
RVLIS	<u>95.0</u> %
*CET	<u>12.50</u> OF
S/G A Total Aux FW Flow	<u>191</u> GPM
S/G B Total Aux FW Flow	<u>193</u> GPM

DIESEL GENERATORS

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

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1rb. Driven INSERV/STBY/OOS
 ST Level: 18.5 FEET

ENGINEERED SAFEGUARDSHigh 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 = 64 %

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 83/75 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 NAME
EVENT1

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	262558-06	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	225226-06	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.38	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2200.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	30.5		%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	11.1	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	102.4	GOOD	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	NOT TRIPPED	GOOD	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	-9.0	LAL*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	54.6	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	30.2	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	913.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	990.	GOOD	PSIG
19	GENBXR1	GENERATOR ON LINE BREAKER 161372	NOT TRIP	GOOD	
20	GENBXR2	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	TRIPPED	GOOD	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	TRIPPED	GOOD	
27	FCV	CONTAINMENT AVERAGE PRESSURE	.19	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	520.0	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	543.4	GOOD	DEGF
41	T0430	RCLA COLD LEG TEMPERATURE	540.3	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	540.9	GOOD	DEGF
43	TAVGANID	RCLA TAVG (THOT/TCOLD WIDE RNG)	532.1	GOOD	DEGF



GROUP NAME
EVENT1

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS	
44	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	542.1	GOOD	DEGF
45	LRV	REACTOR VESSEL AVERAGE LEVEL	95.0	LALM	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	1250.1	GOOD*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	191.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	193.	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	
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	83.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	75.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	ON	GOOD	
59	BKR043	SERVICE WATER PUMP C	OFF	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

Time: 1133
Message: 44

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

The following annunciators are received in Control Room:

- C-27 (Pressurizer Lo Press SI Channel Alert 1750 psig)
- C-28 (Pressurizer Lo Press SI Channel Alert 1750 psig)
- D-19 (Pressurizer Lo Press SI 1750 psig)

FOR CONTROLLER USE ONLY

Controller Notes:

When operators check for SI pumps running, the "A" RHR Pump did not start automatically and will not start when manual attempts are made.

Actions Expected:

- 1) Operators should perform the appropriate actions of E-0.



MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>0</u> CPS
N-32	<u>0</u> CPS
N-35	<u>2.3 X 10⁻⁷</u> AMPS
N-36	<u>2.1 X 10⁻⁷</u> AMPS
Avg. Nuclear Power	<u>.00</u> %
RCS Pressure	<u>1327</u> PSIG
PRZR Level	<u>63.7</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>60.1</u> %
1B S/G Level	<u>18.3</u> %
1A S/G Pressure	<u>900</u> PSIG
1B S/G Pressure	<u>910</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	A <u>130</u> VOLTS B <u>130</u> VOLTS
Cnmt Pressure	<u>1.11</u> PSIG
Cnmt Sump A Level	<u>5.0</u> FEET
Cnmt Sump B Level	<u>< 8</u> INCHES
A Loop Hot Leg	<u>522.3</u> OF
A Loop Cold Leg	<u>539.6</u> OF
B Loop Hot Leg	<u>543.1</u> OF
B Loop Cold Leg	<u>542.1</u> OF
RVLIS	<u>89.7</u> %
*CET	<u>543.2</u> OF
S/G A Total Aux FW Flow	<u>184</u> GPM
S/G B Total Aux FW Flow	<u>194</u> 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 19.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 100 GPM
 FI-925 85 GPM
 1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 1C. INSERV/STBY/OOS
 BAST Level = 52 %

Low Head S.I. Pumps

FI-626 0 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 94.7 %

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 88/86 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 5 %

Standby Aux. Feedwater Pumps

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



TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME

GROUP DESCRIPTION

EVENT1

PROCEDURE: EPIP 1-5 PLANT STATUS

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS	
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	2.30104-07	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	2.10443-07	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.02	GOOD	%
8	PROS	REACTOR COOLANT SYSTEM AVG PRESS	132.7	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	63.7	HENG	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	3.4	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	102.0	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	-9.0	LAL*	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	60.1	HWRN	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	18.3	LALM	%
17	PSGA	STM GEN A AVERAGE PRESSURE	900.	GOOD	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	910.	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
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	1.11	HWRN	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	5.6	HALM	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	522.3	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	543.1	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	539.6	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	542.1	GOOD	DEGF
43	TAVSANWD	RCLA TAVS (THOT/TCOLD WIDE RNS)	531.3	GOOD	DEGF



GROUP NAME
EVENT1

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
44	TAV6BWID RCLB TAVG (THOT/TCOLD WIDE RING)	542.6	GOOD	DEGF
45	LRV REACTOR VESSEL AVERAGE LEVEL	89.7	LALM	%
46	TCCORE E1.1 INCORE TC AVERAGE TEMP	543.2	GOOD*	DEGF
47	FAUXFWA S/G A TOTAL AUX FEEDWATER FLOW	184.	GOOD	GPM
48	FAUXFWB S/G B TOTAL AUX FEEDWATER FLOW	194.	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	
53	FSIA SAFETY INJECTION LOOP A AVG FLOW	100.	GOOD	GPM
54	FSIB SAFETY INJECTION LOOP B AVG FLOW	85.	GOOD	GPM
55	P2160 SERVICE WATER PUMPS A & B HEADER	88.	GOOD	PSIG
56	P2161 SERVICE WATER PUMPS C & D HEADER	86.	GOOD	PSIG
57	BKR041 SERVICE WATER PUMP A	ON	GOOD	
58	BKR042 SERVICE WATER PUMP B	ON	GOOD	
59	BKR043 SERVICE WATER PUMP C	OFF	GOOD	
60	BKR044 SERVICE WATER PUMP D	ON	GOOD	

E-0-J

Time: 1145
Message: 45

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Accident Response and Evaluation continues.

Actions Expected:

- 1) Operators performing the actions of E-0 to stabilize the Plant.
- 2) TSC/EOF performing the actions of EPIP 1-5 and EPIP 2-1.



1991 EVALUATED EXERCISE

Time: 1145MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>796</u> CPS
N-32	<u>749</u> CPS
N-35	<u>1.1 X 10⁻¹¹</u> AMPS
N-36	<u>1.1 X 10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>.00</u> %
RCS Pressure	<u>1636</u> PSIG
PRZR Level	<u>99.9</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>42.3</u> %
1B S/G Level	<u>36.2</u> %
1A S/G Pressure	<u>467</u> PSIG
1B S/G Pressure	<u>467</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A/30 VOLTS</u> <u>B/30 VOLTS</u>
Cmnt Pressure	<u>6.11</u> PSIG
Cmnt Sump A Level	<u>10.8</u> FEET
Cmnt Sump B Level	<u>8</u> INCHES
A Loop Hot Leg	<u>482.6</u> OF
A Loop Cold Leg	<u>453.3</u> OF
B Loop Hot Leg	<u>492.6</u> OF
B Loop Cold Leg	<u>401.2</u> OF
RVLIS	<u>90.0</u> %
*CET	<u>475.2</u> OF
S/G A Total Aux FW Flow	<u>157</u> GPM
S/G B Total Aux FW Flow	<u>200</u> 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: 18.5 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 353 GPM
 FI-925 342 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 = 93.1 %

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/CLOSEDService Water Pumps

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

A&B Header Pressure 83/83 PSIGComponent 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 NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	7.96153+02	GOOD CFS
4	N32	SOURCE RANGE DETECTOR N-32	7.98911+02	GOOD CFS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.13239-11	GOOD AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.11173-11	GOOD AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	636.	HALM PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	99.9	HENG %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	2.7	INHB %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	9.3	INHB %
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	7.9	LWR* DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	42.3	GOOD %
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	36.2	GOOD %
17	PSGA	STM GEN A AVERAGE PRESSURE	667.	GOOD PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	667.	GOOD PSIG
19	GENBK1	GENERATOR ON LINE BREAKER 151372	TRIPPED	ALRM
20	GENBK2	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	6.11	HALM PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	10.6	HALM 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	462.6	GOOD DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	492.8	GOOD DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	453.3	GOOD DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	401.2	GOOD DEGF
43	TAV6AWID	RCLA TAVG (THGT/TCOLD WIDE AVG)	467.9	GOOD DEGF

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
TAV6BWID	ROLD TANG (THOT/TCOLD WIDE RING)	447.0	GOOD	DEGF
43 LRV	REACTOR VESSAL AVERAGE LEVEL	90.0	LALM	%
46 TCCORE	E1.1 INCOME TC AVERAGE TEMP	475.2	GOOD*	DEGF
47 FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	154.	GOOD	GPM
48 FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	200.	GOOD	GPM
49 BXR081	MTR AUXILIARY FEEDWATER PUMP A	ON	GOOD	
50 BXR082	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	
53 FSIA	SAFETY INJECTION LOOP A AVG FLOW	353.	GOOD	GPM
54 FSIB	SAFETY INJECTION LOOP B AVG FLOW	342.	GOOD	GPM
55 P2160	SERVICE WATER PUMPS A & B HEADER	83.	GOOD	PSIG
56 P2161	SERVICE WATER PUMPS C & D HEADER	83.	GOOD	PSIG
57 BXR041	SERVICE WATER PUMP A	ON	GOOD	
58 BXR042	SERVICE WATER PUMP B	OFF	GOOD	
59 BXR043	SERVICE WATER PUMP C	OFF	GOOD	
60 BXR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J



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

11:45:27

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	892.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	93.1	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.8	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	65.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	58.3	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	58.2	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.1	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.57013-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	1.16932+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.84733+01	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.55675+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	1.30765+03	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	2.75342+01	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.35128+02	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	1.72579+02	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	1.41598+02	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99899+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	2.98933+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	1.16494+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.23569+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.40610+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.09165-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	1.00144+01	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.29342-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.12346-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.19330-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.85660-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.99186-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.15275-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.22108-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.81184-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.77532-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.56637-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	0.1	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	221.8	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	221.7	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	221.4	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	221.9	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	220.1	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	232.9	GOOD	DEGF

E-O-J



Time: 1146
Message: 46X

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Emergency Coordinator/or EOF/Recovery Manager

Simulated Plant Conditions:

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

Declare a General Emergency in accordance with EPIP 1-0, "Ginna Station Event Evaluation and Classification," EAL: Loss of Engineered Safety Features; Inability to shutdown the Reactor which results in core damage or EAL: Reactor coolant leakage (RCS); LOCA identified inside CNMT and failed fuel indicated.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Deliver only if a General Emergency has not yet been declared. Do not deliver if emergency classification discussions are in progress.

Actions Expected:

Time: 1146
Message: 47

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions:

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

The following annunciators clear in the Control Room:

- AA-13 (Pressurizer Safety Valve Position)

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) The open pressurizer safety valve 434 closes and reseats.

Actions Expected:

- 1) Operators performing the actions of required Emergency procedures to stabilize the Plant.
- 2) TSC evaluating Plant Conditions.
- 3) EOF evaluating Plant status and performing "what if" offsite dose calculations.



Time: 1200
Message: 48

GINNA STATION

1991 EVALUATED EXERCISE

MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Component Cooling Surge Tank Level starting to increase.

Actions Expected:

- 1) Operators performing the actions of required emergency procedures to stabilize the Plant.
- 2) TSC evaluating Plant conditions.
- 3) EOF Evaluating Plant Status and performing "What if" offsite dose calculations.



MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>56</u> CPS
N-32	<u>62</u> CPS
N-35	<u>1.0x10⁻¹¹</u> AMPS
N-36	<u>1.0x10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>.00</u> %
RCS Pressure	<u>2272</u> PSIG
PRZR Level	<u>100.0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>47.3</u> %
1B S/G Level	<u>41.2</u> %
1A S/G Pressure	<u>542</u> PSIG
1B S/G Pressure	<u>542</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	A/ <u>30</u> VOLTS B/ <u>30</u> VOLTS
Cnmt Pressure	<u>3.82</u> PSIG
Cnmt Sump A Level	<u>11.0</u> FEET
Cnmt Sump B Level	<u>5.8</u> INCHES
A Loop Hot Leg	<u>502.7</u> OF
A Loop Cold Leg	<u>471.3</u> OF
B Loop Hot Leg	<u>502.7</u> OF
B Loop Cold Leg	<u>479.4</u> OF
RVLIS	<u>107.6</u> %
*CET	<u>495.2</u> OF
S/G A Total Aux FW Flow	<u>6</u> GPM
S/G B Total Aux FW Flow	<u>61</u> 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 18.0 FEET

ENGINEERED SAFEGUARDSHigh 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 = 70 %

Low Head S.I. Pumps

FI-626 0 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 92.2 %

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 84/83 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 53 %

Standby Aux. Feedwater Pumps

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

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME GROUP DESCRIPTION
EVENT1 PLANT STATUS=DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	5.62987+01	GOOD CPS
4	N32	SOURCE RANGE DETECTOR N-32	6.18015+01	GOOD CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.00925-11	GOOD AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.00925-11	GOOD AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	2272.	HMRN PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	100.0	HENS %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	1.9	INH %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	6.1	INH %
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	144.0	GOOD DEG
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	47.3	GOOD %
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	41.2	GOOD %
17	PSGA	STM GEN A AVERAGE PRESSURE	542.	LWRN PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	542.	LWRN PSIG
	GENBXR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM
	GENBXR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM
	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM
23	BUS12A	BUS 12A SUPPLY BREAKER	Not Trip	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	3.82	HMRN PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	11.0	HMRN 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	502.7	GOOD DEG
40	T0410A	RCLB HOT LEG TEMPERATURE	502.7	GOOD DEG
41	T0450	RCLA COLD LEG TEMPERATURE	471.3	GOOD DEG
42	T0451	RCLB COLD LEG TEMPERATURE	479.4	GOOD DEG
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	487.0	GOOD DEG



GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
0	TAVGBWID	ROLB TAVG (THOT/TCOLD WIDE RNG)	491.0	GOOD	DEGF
--	LRV	REACTOR VESSAL AVERAGE LEVEL	107.6	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	495.2	GOOD*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	6.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	61.	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	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	84.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	83.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	OFF	GOOD	
59	BKR043	SERVICE WATER PUMP C	OFF	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J



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

12:00:09

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1719.	LALM	CPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	92.2	G000	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.2	G000	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	67.	G000	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	58.8	G000	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	58.7	G000	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.1	G000	DEGF
8	R01	AREA 1-CONTROL ROOM	8.59784-02	G000	MR/H
9	R02	AREA 2-CONTAINMENT	3.10648+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	3.24322+01	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.55675+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	1.23956+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	3.16758+01	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.80598+02	G000	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	2.25845+02	G000	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	1.98099+02	G000	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.57599+03	G000	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	4.09413+03	G000	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.10577+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.49732+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.40775+02	G000	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.06006-07	G000	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.55214+01	G000	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.25802-05	G000	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.18152-03	G000	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.11118-06	G000	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.84475-05	G000	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.92932-03	G000	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.13934-06	G000	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.24356-05	G000	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.89687-04	G000	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.79707-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.51210-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	0.8	G000	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	214.9	G000	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	214.3	G000	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	214.6	G000	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	214.8	G000	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	214.3	G000	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	224.5	G000	DEGF

1-0-J



Time: 1200
Message: 49X

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: "A" RHR Pump 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 "A" RHR Pump Repair Team.

Actions Expected:

- 1) The "A" RHR Pump Repair Team should assess the problem with the "A" RHR Pump failure to start and report this to the TSC/OSC.



ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

MINI SCENARIO

TITLE: Failure of 1A RHR Motor to Start
(Controller failure)

INITIAL CONDITIONS:

Plant conditions are as provided in Main Scenario.

METHOD OF INITIATION:

Operator attempts to start 1A RHR motor (fails to start)

INDICATIONS:

- o Motor fails to start Main Control Board
(The motor indicating lights DO NOT change, i.e., the green light stays on and the red light stays off.)
- o Meggering of motor (if taken) = Readings are "as read".
- o Visual inspection of motor and controller:
Motor - "as found"
Breaker - slight burnt insulation smell, a close inspection reveals a wire burnt off the closing "X" relay.

EXPECTED SEQUENCE OF ACTIONS:

- o Operator attempts to start 1A RHR motor.
- o Operator notifies Shift Supervisor and electricians of failure to start.
- o Electricians/planners generate/institute a W.O. to trouble shoot 1A RHR motor and controller.
- o Electricians formulate a plan to attack to investigate and repair or start the RHR motor.
- o Electricians should pull the spare DB-50 breaker and reset the overloads for the RHR motor application, test, and prepare for installing in the 1A RHR breaker cubicle.

FINAL CONDITIONS:

1A RHR motor out of service. (It is to remain out for the entire exercise.)

Plant conditions as specified in the exercise sequence of events.



Time: 1205
Message: 50

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheet

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

The following annunciators and alarms are received in the Control Room:

- A- 5 (CCW Surge Tank Hi Level 58.8%)
- R-17 Alarm

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) When operators check CCW Surge Tank Level, inform them that it is increasing rapidly.
- 2) When operators try to close AOV-754A, inform them that it will not close.
- 3) The RCS leak into the CCW is through the "A" RCP Thermal Barrier.

Actions Expected:

- 1) Operators should check CCW Surge Tank Level.
- 2) Operators should refer to AP-CCW.1 and perform the applicable actions such as attempting the closing of AOV-754A to isolate the leak.



MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>57</u> CPS
N-32	<u>37</u> CPS
N-35	<u>1.0x10⁻¹¹</u> AMPS
N-36	<u>1.0x10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>.00</u> %
RCS Pressure	<u>2233</u> PSIG
PRZR Level	<u>100.0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>47.2</u> %
1B S/G Level	<u>41.8</u> %
1A S/G Pressure	<u>546</u> PSIG
1B S/G Pressure	<u>547</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries A	<u>130</u> VOLTS
DC Batteries B	<u>130</u> VOLTS
Cmnt Pressure	<u>3.28</u> PSIG
Cmnt Sump A Level	<u>11.1</u> FEET
Cmnt Sump B Level	<u>28</u> INCHES
A Loop Hot Leg	<u>507.1</u> OF
A Loop Cold Leg	<u>473.6</u> OF
B Loop Hot Leg	<u>507.1</u> OF
B Loop Cold Leg	<u>482.6</u> OF
RVLIS	<u>107.6</u> %
*CET	<u>499.7</u> OF
S/G A Total Aux FW Flow	<u>6</u> GPM
S/G B Total Aux FW Flow	<u>61</u> 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 18.5 FEET

ENGINEERED SAFEGUARDSHigh 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 = 70 %

Low Head S.I. Pumps

FI-626 0 GPM
 1A. INSERV/STBY/OOS/RECIRC
 1B. INSERV/STBY/OOS/RECIRC
 RWST Level = 92.2 %

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 84/83 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 60 %

Standby Aux. Feedwater Pumps

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

*CET = Average of Selected Core Exit Thermocouples



Time: 1210
Message: 51

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheet

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

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) RCS Subcooling requires the start of an S. I. Pump. This is due to the Thermal Barrier leak.

Actions Expected:

- 1) Operators return to E-1.



MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>60</u> CPS
N-32	<u>61</u> CPS
N-35	<u>1.0x10⁻¹¹</u> AMPS
N-36	<u>1.0x10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>0.00</u> %
RCS Pressure	<u>760</u> PSIG
PRZR Level	<u>100.0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>46.6</u> %
1B S/G Level	<u>38.9</u> %
1A S/G Pressure	<u>547</u> PSIG
1B S/G Pressure	<u>547</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A/30 VOLTS B/30 VOLTS</u>
Cnmt Pressure	<u>2.74</u> PSIG
Cnmt Sump A Level	<u>11.1</u> FEET
Cnmt Sump B Level	<u>8</u> INCHES
A Loop Hot Leg	<u>506.0</u> OF
A Loop Cold Leg	<u>475.1</u> OF
B Loop Hot Leg	<u>506.0</u> OF
B Loop Cold Leg	<u>482.9</u> OF
RVLIS	<u>108.0</u> %
*CET	<u>498.7</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>0</u> 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
 ST Level: 19.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 64 GPM
 FI-925 27 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 = 92.1 %

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 88/86 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 85 %

Standby Aux. Feedwater Pumps

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



Time: 1215
Message: 52

GINNA STATION

1991 EVALUATED EXERCISE

MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

The following alarms are received in the Control Room:

- R-13 (Auxiliary Building Particulate)
- R-14 (Auxiliary Building Gaseous)
- R-10B (Auxiliary Building Iodine)

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Radiation levels in Auxiliary Building increase rapidly. This activity is due to the CCW Surge Tank relieving to the Waste Holdup Tank.
- 2) Release Path: Out the "A" RCP Thermal Barrier to the CCW Surge Tank, Out the CCW Surge Tank Relief valve to the Waste Holdup Tank (WHUT), Out the WHUT Tank Vent to the Plant Vent and out the Plant Vent.

Actions Expected:

- 1) Operators working on stabilizing the Plant per Emergency procedure.
- 2) Operators inform TSC that AOV-754A will not close.
- 3) TSC should be working on isolating the leak in the Auxiliary Building. If they decide to have the Control Room close MOV-759A to isolate the leak, it will not close electrically.

Time: 1215

Time: 1215
Message: 52
Continued

- 4) TSC may send a team into the Auxiliary Building to close MOV-759A. If they do we will allow them to do all that is necessary to close the valve but will not consider the valve closed until 1345 hours due to Scenario requirements. Even if TSC does not send a team into close MOV-759A, AOV-754A will free itself and close at 1345 hours to isolate the CCW leak.

In EOF efforts are underway to track the plume, perform dose projections and implement/coordinate PARs.

- 5) TSC may send a team out to check on the "A" RHR Pump failure to start problem.

MAJOR PARAMETERS

Reactor Shutdown	<u>(YES/NO)</u>
N-31	<u>58</u> CPS
N-32	<u>61</u> CPS
N-35	<u>1.0x10⁻¹¹</u> AMPS
N-36	<u>1.0x10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>.00</u> %
RCS Pressure	<u>1466</u> PSIG
PRZR Level	<u>100.0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>45.2</u> %
1B S/G Level	<u>38.5</u> %
1A S/G Pressure	<u>546</u> PSIG
1B S/G Pressure	<u>546</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A130 VOLTS B130 VOLTS</u>
Cnmt Pressure	<u>2.25</u> PSIG
Cnmt Sump A Level	<u>11.1</u> FEET
Cnmt Sump B Level	<u>8</u> INCHES
A Loop Hot Leg	<u>502.7</u> OF
A Loop Cold Leg	<u>476.7</u> OF
B Loop Hot Leg	<u>502.7</u> OF
B Loop Cold Leg	<u>482.4</u> OF
RVLIS	<u>108.0</u> %
*CET	<u>495.2</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>194</u> 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 19.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 60 GPM
 FI-925 14 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 = 91.9 %

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 88/86 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 100 %

Standby Aux. Feedwater Pumps

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

*CET = Average of Selected Core Exit Thermocouples



TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS	
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	5.82772+01	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	6.11645+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.00925-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.00925-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	1466.	HALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	100.0	HENG	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	1.9	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	5.8	INHB	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	63.3	GOOD*	DEGF
15	L5GA	STM GEN A NARROW RANGE AVG LEVEL	45.2	GOOD	%
16	L5GB	STM GEN B NARROW RANGE AVG LEVEL	38.5	GOOD	%
17	P5GA	STM GEN A AVERAGE PRESSURE	546.	LWRN	PSIG
18	P5GB	STM GEN B AVERAGE PRESSURE	546.	LWRN	PSIG
19	GENBXR1	GENERATOR ON LINE BREAKER 161372	TRIPPED	ALRM	
	GENBXR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
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	2.25	LWRN	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	11.1	HALM	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	562.7	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	562.7	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	476.7	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	482.4	GOOD	DEGF
43	TAV6AWID	RCLA TAV6 (THOT/TCOLD WIDE RNS)	489.7	GOOD	DEGF



GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
TAVGBWID	ROLD TAVG (THOT/TCOLD WIDE RING)	492.5	6000	DEGF
LRV	REACTOR VESSAL AVERAGE LEVEL	108.0	6000	%
46 TCCORE	E1.1 INCORE TC AVERAGE TEMP	495.2	600*	DEGF
47 FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	6000	GPM
48 FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	194.	6000	GPM
49 BKR081	MTR AUXILIARY FEEDWATER PUMP A	ON	6000	
50 BKR082	MTR AUXILIARY FEEDWATER PUMP B	ON	6000	
51 V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	6000	
52 V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	6000	
53 FS1A	SAFETY INJECTION LOOP A AVG FLOW	60.	6000	GPM
54 FS1B	SAFETY INJECTION LOOP B AVG FLOW	14.	6000	GPM
55 P2160	SERVICE WATER PUMPS A & B HEADER	88.	6000	PSIG
56 P2161	SERVICE WATER PUMPS C & D HEADER	86.	6000	PSIG
57 BKR041	SERVICE WATER PUMP A	ON	6000	
58 BKR042	SERVICE WATER PUMP B	OFF	6000	
59 BKR043	SERVICE WATER PUMP C	OFF	6000	
60 BKR044	SERVICE WATER PUMP D	ON	6000	

E-0-J

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

12:15:32

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	FD619	COMPONENT COOLING LOOP TOTAL FLW	1107.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	91.9	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.1	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	67.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.4	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	59.3	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.1	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	2.05994-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.13493+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	7.35131+04	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.55675+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.01386+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93225+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.99999+06	HALM	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	9.99999+06	HALM	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.10577+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.49732+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.01512+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.00658-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	1.44352+02	HALM	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.28143-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.13285-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	9.98762-03	HALM	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.01602+01	HALM	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	1.01601+01	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.14978-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.28052-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.84677-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.52557+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.76573-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	1.3	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	210.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	210.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	210.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	210.6	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	210.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	220.1	GOOD	DEGF

E-0-J



Time: 1230
Message: 53X

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: MOV-759A Manual Closing 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 actions are simulated by the MOV-759A Manual Closing Repair Team.

Actions Expected:

- 1) The MOV-759A Manual Closing Repair Team should simulate closing MOV-759A.



GINNA STATION

1991 EVALUATED EXERCISE

MINI-SCENARIO

Activity: MOV-759A Manual Closing

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Provide information verbally when appropriate actions are simulated.
- 2) Allow repair team to do everything that is necessary to close MOV-759A manually but MOV-759A will not be considered closed until 1345 hours due to Scenario requirements.

Actions Expected:

- 1) Repair team will go to the Intermediate Floor of the Auxiliary Building by the CNMT wall.
- 2) Repair team will position manual arm on MOV-759A, and using the handwheel, close the valve.
- 3) Repair team will then leave the area and inform TSC/OSC that the valve is closed.

Time: 1230
Message: 54

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheet

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

FOR CONTROLLER USE ONLY

Controller Notes:

Actions Expected:

- 1) Accident response and assessment continues.
- 2) Operators working on stabilizing the Plant per Emergency Procedures
- 3) Efforts are underway to track the Plume, perform dose projections and implement/coordinate PARs.



MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>60</u> CPS
N-32	<u>55</u> CPS
N-35	<u>60 x 10⁻¹¹</u> AMPS
N-36	<u>1.0 x 10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>.00</u> %
RCS Pressure	<u>1464</u> PSIG
PRZR Level	<u>100.0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>40.1</u> %
1B S/G Level	<u>38.3</u> %
1A S/G Pressure	<u>546</u> PSIG
1B S/G Pressure	<u>546</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A/30 VOLTS B/30 VOLTS</u>
Cnmt Pressure	<u>1.33</u> PSIG
Cnmt Sump A Level	<u>11.2</u> FEET
Cnmt Sump B Level	<u>58</u> INCHES
A Loop Hot Leg	<u>502.0</u> OF
A Loop Cold Leg	<u>478.8</u> OF
B Loop Hot Leg	<u>502.0</u> OF
B Loop Cold Leg	<u>482.2</u> OF
RVLIS	<u>108.0</u> %
*CET	<u>494.6</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>107</u> GPM

DIESEL GENERATORS

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

ENGINEERED SAFEGUARDSAux. Feedwater Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Turb. Driven INSERV/STBY/OOS
 CST Level 19.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 61 GPM
 FI-925 17 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 = 91.6 %

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 84/83 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 100 %

Standby Aux. Feedwater Pumps

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

*CET = Average of Selected Core Exit Thermocouples



TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS	
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	6.07433+01	GOOD	CFS
4	N32	SOURCE RANGE DETECTOR N-32	5.53350+01	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.00925-11	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.00925-11	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	1464.	LALM	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	100.0	HENS	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	1.9	INH8	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	5.8	INH8	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	83.7	GOOD*	DEGF
15	LS6A	STM GEN A NARROW RANGE AVG LEVEL	40.1	GOOD	%
16	LS6B	STM GEN B NARROW RANGE AVG LEVEL	38.3	GOOD	%
17	PS6A	STM GEN A AVERAGE PRESSURE	546.	LWRN	PSIG
18	PS6B	STM GEN B AVERAGE PRESSURE	546.	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
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	1.33	HWRN	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	11.2	LALM	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	502.0	GOOD	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	502.0	GOOD	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	478.8	GOOD	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	482.2	GOOD	DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	490.4	GOOD	DEGF

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS	
	TAVGBWID	ROLD TAVG (THOT/TCOLD WIDE RING)	492.1	6000	DEGF
	LRV	REACTOR VESSAL AVERAGE LEVEL	108.0	6000	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	494.6	6000	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	6000	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	107.	6000	GPM
49	BKR081	MTR AUXILIARY FEEDWATER PUMP A	ON	6000	
50	BKR082	MTR AUXILIARY FEEDWATER PUMP B	ON	6000	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	6000	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	6000	
53	FSIA	SAFETY INJECTION LOOP A AVG FLOW	61.	6000	GPM
54	FSIB	SAFETY INJECTION LOOP B AVG FLOW	17.	6000	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	84.	6000	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	83.	6000	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	6000	
58	BKR042	SERVICE WATER PUMP B	OFF	6000	
59	BKR043	SERVICE WATER PUMP C	OFF	6000	
60	BKR044	SERVICE WATER PUMP D	ON	6000	

E-0-J

10

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

12:30:22

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	934.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	91.6	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.6	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	68.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.8	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	59.4	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	7.6	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	2.03648-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.10648+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	7.35131+04	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.50887+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.01386+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93225+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.99999+06	HALM	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	9.99999+06	HALM	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.10577+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.49732+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.01153+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.06729-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	1.44352+02	HALM	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.24901-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.14990-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	9.98762-03	HALM	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.01601+01	HALM	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	1.01602+01	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.14989-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.27268-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.81633-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.52510+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.76848-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	1.3	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	207.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	207.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	207.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	207.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	207.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	219.5	GOOD	DEGF

I-O-J

Time: 1245
Message: 55

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Accident response and assessment continues.
- 2) MOV-759A will not close electrically.

Actions Expected:

- 1) Operators working on stabilizing the Plant per Emergency procedures.
- 2) TSC should be checking on restoration of 34.5 KV Circuit 751.
- 3) TSC may send a team into the Auxiliary Building to close MOV-759A. If they do, we will allow them to do all that is necessary to close the valve, but will not consider the valve closed until 1345 hours due to Scenario requirements. Even if TSC does not send a team into close MOV-759A, AOV-754A will free itself and close at 1345 hours to isolate the CCW leak.
- 4) TSC should be checking on the repair progress of the Turbine Driven Auxiliary Feedwater Pump Oil System.
- 5) Efforts are continuing to track the Plume, perform dose assessment and implement/coordinate PARs.

1991 EVALUATED EXERCISE

Time: 1245MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>56</u> CPS
N-32	<u>61</u> CPS
N-35	<u>1.0 X 10¹¹</u> AMPS
N-36	<u>1.0 X 10¹¹</u> AMPS
Avg. Nuclear Power	<u>.00</u> %
RCS Pressure	<u>1463</u> PSIG
PRZR Level	<u>100.0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>37.6</u> %
1B S/G Level	<u>37.8</u> %
1A S/G Pressure	<u>546</u> PSIG
1B S/G Pressure	<u>546</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	A <u>130</u> VOLTS B <u>130</u> VOLTS
Cmnt Pressure	<u>.84</u> PSIG
Cmnt Sump A Level	<u>11.4</u> FEET
Cmnt Sump B Level	<u>8</u> INCHES
A Loop Hot Leg	<u>501.2</u> OF
A Loop Cold Leg	<u>478.8</u> OF
B Loop Hot Leg	<u>501.2</u> OF
B Loop Cold Leg	<u>482.2</u> OF
RVLIS	<u>108.0</u> %
*CET	<u>493.8</u> OF
S/G A Total Aux FW Flow	<u>37</u> GPM
S/G B Total Aux FW Flow	<u>39</u> 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
 urb. Driven INSERV/STBY/OOS
 ST Level: 19.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 61 GPM
 FI-925 17 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 = 91.2 %

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 84/83 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 100 %

Standby Aux. Feedwater Pumps

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

*CET = Average of Selected Core Exit Thermocouples



TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	5.64935+01	GOOD CPS
4	N32	SOURCE RANGE DETECTOR N-32	6.11645+01	GOOD CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.00925-11	GOOD AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.00925-11	GOOD AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	1463.	LALM PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	100.0	HENG %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	1.9	INHIB %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	5.5	INHIB %
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	84.2	GOOD* DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	37.6	GOOD %
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	37.8	GOOD %
17	PSGA	STM GEN A AVERAGE PRESSURE	546.	LWRN PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	546.	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	.84	GOOD PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	11.4	HALM 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	501.2	GOOD DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	501.2	GOOD DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	478.8	GOOD DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	482.2	GOOD DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNS)	490.0	GOOD DEGF

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	491.7	GOOD	DEGF
LRV	REACTOR VESSAL AVERAGE LEVEL	108.0	GOOD	%
46 TCCORE	E1.1 INCORE TC AVERAGE TEMP	493.8	GOOD*	DEGF
47 FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	37.	GOOD	GPM
48 FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	39.	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	
53 FSIA	SAFETY INJECTION LOOP A AVG FLOW	61.	GOOD	GPM
54 FSIB	SAFETY INJECTION LOOP B AVG FLOW	17.	GOOD	GPM
55 P2160	SERVICE WATER PUMPS A & B HEADER	84.	GOOD	PSIG
56 P2161	SERVICE WATER PUMPS C & D HEADER	83.	GOOD	PSIG
57 BKR041	SERVICE WATER PUMP A	ON	GOOD	
58 BKR042	SERVICE WATER PUMP B	OFF	GOOD	
59 BKR043	SERVICE WATER PUMP C	OFF	GOOD	
60 BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J



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

12:45:11

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
 EVENT 2

GROUP DESCRIPTION
 PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	926.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	91.2	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.9	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	68.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	60.3	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	59.9	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.4	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	2.05284-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.10648+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	7.35370+04	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.44342+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.01652+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93931+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.99999+06	HALM	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	9.99999+06	HALM	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.10577+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.49732+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.01209+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.09912-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	1.44560+02	HALM	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.28341-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.16304-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	9.98788-03	HALM	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.01664+01	HALM	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	1.01614+01	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.13876-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.27578-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.85275-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.52027+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.76563-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	1.3	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	205.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	205.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	205.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	205.1	GOOD	DEGF
2	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	205.3	GOOD	DEGF
3	TCV17	CV OPERATING LVL 6 FT TEMP #17	216.5	GOOD	DEGF



Time: 1300
Message: 56

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Accident response and assessment continues.
- 2) MOV-759A will not close electrically.

Actions Expected:

- 1) Operators working on stabilizing the Plant per Emergency Procedures.
- 2) TSC may send a team into the Auxiliary Building to close MOV-759A. If they do, we will allow them to do what is necessary to close the valve, but will not consider the valve closed until 1345 hours due to Scenario requirements. Even if TSC does not send a team into close MOV-759A, AOV-754A will free itself and close at 1345 hours to isolate the CCW leak.
- 3) Efforts are continuing to track the Plume, perform dose assessment and implement/coordinate PARs.

MAJOR PARAMETERS

Reactor Shutdown	<u>YES</u> NO
N-31	<u>62</u> CPS
N-32	<u>57</u> CPS
N-35	<u>1.0X10⁻¹¹</u> AMPS
N-36	<u>1.0X10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>.00</u> %
RCS Pressure	<u>1463</u> PSIG
PRZR Level	<u>100.0</u> %
A RCP	RUNNING/ <u>STOPPED</u>
B RCP	RUNNING/ <u>STOPPED</u>
1A S/G Level	<u>41.2</u> %
1B S/G Level	<u>40.2</u> %
1A S/G Pressure	<u>546</u> PSIG
1B S/G Pressure	<u>546</u> PSIG
Turbine/Generator	ONLINE/ <u>OFFLINE</u>
4 KV Buses	<u>ENERGIZED</u> /DEENERGIZED
480V Buses	<u>ENERGIZED</u> /DEENERGIZED
DC Batteries	A/ <u>30</u> VOLTS B/ <u>30</u> VOLTS
Cnmt Pressure	<u>.58</u> PSIG
Cnmt Sump A Level	<u>11.5</u> FEET
Cnmt Sump B Level	<u><8</u> INCHES
A Loop Hot Leg	<u>500.1</u> OF
A Loop Cold Leg	<u>478.2</u> OF
B Loop Hot Leg	<u>500.1</u> OF
B Loop Cold Leg	<u>482.0</u> OF
RVLIS	<u>108.0</u> %
*CET	<u>492.6</u> OF
S/G A Total Aux FW Flow	<u>37</u> GPM
S/G B Total Aux FW Flow	<u>57</u> 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 19.5 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 61 GPM
 FI-925 18 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 = 90.9 %

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 84/83 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 100 %

Standby Aux. Feedwater Pumps

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

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME GROUP DESCRIPTION
EVENT1 PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	6.20152+01	GOOD CPS
4	N32	SOURCE RANGE DETECTOR N-32	5.76764+01	GOOD CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.00925-11	GOOD AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.00925-11	GOOD AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	1463.	ALRM PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	100.0	HENG %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	1.9	INHB %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	5.5	INHB %
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM
14	TSUBTC	INORE TC SUBCOOLED MARGIN	85.3	GOOD DEG
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	41.2	GOOD %
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	40.2	GOOD %
17	PSGA	STM GEN A AVERAGE PRESSURE	546.	LWRN PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	546.	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	.58	GOOD PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	11.5	HALM 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	500.1	GOOD DEG
40	T0410A	RCLE HOT LEG TEMPERATURE	500.1	GOOD DEG
41	T0450	RCLA COLD LEG TEMPERATURE	478.2	GOOD DEG
42	T0451	RCLE COLD LEG TEMPERATURE	482.0	GOOD DEG
43	TAVGAWID	RCLA TAVG (THGT/TCOLD WIDE RNG)	489.2	GOOD DEG

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
	TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RING)	491.0	GOOD	DEGF
	LRV	REACTOR VESSAL AVERAGE LEVEL	108.0	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	492.6	GOOD*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	37.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	57.	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	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	61.	GOOD	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	18.	GOOD	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	84.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	83.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	OFF	GOOD	
59	BKR043	SERVICE WATER PUMP C	OFF	GOOD	
60	BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

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

13:00:15

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	FO619	COMPONENT COOLING LOOP TOTAL FLW	0.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	90.9	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.9	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	65.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	60.9	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	60.5	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.4	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	2.01021-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.10648+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	7.35446+04	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.39784+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.01386+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93081+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.99999+06	HALM	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	9.99999+06	HALM	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.10577+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.49732+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.01447+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.05250-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	1.44851-02	HALM	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.23929-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.16089-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	9.98539-03	HALM	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.01772+01	HALM	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	1.01736+01	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.14818-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.24314-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.87052-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.52590+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.74581-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	1.3	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	204.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	204.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	204.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	204.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	204.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	214.5	GOOD	DEGF

E-0-J



Time: 1315
Message: 57

GINNA STATION

1991 EVALUATED EXERCISE

MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

Power Control informs you that 34.5 KV Circuit 751 is cleared for return to service.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Accident response and assessment continues.
- 2) MOV-759A will not close electrically.

Actions Expected:

- 1) Operators working on stabilizing the Plant per Emergency Procedures.
- 2) Operators should inform TSC that 34.5 KV Circuit 751 is ready to be returned to service.
- 3) Operators should return 34.5 KV Circuit 751 to service per O-6.9.2.
- 4) TSC may send a team into the Auxiliary Building to close MOV-759A. If they do we will allow them to do what is necessary to close the valve, but will not consider the valve closed until 1345 hours due to Scenario requirements. Even if TSC does not send a team into close MOV-759A, AOV-754A will free itself and close at 1345 hours to isolate the CCW leak.
- 5) Efforts are continuing to assess the accident, track the Plume, perform dose assessment and implement/coordinate PARS.



Time: 1315
Message: 57
Continues

- 6) TSC should check on "A" Containment Spray Pump maintenance.
- 7) TSC should check on "A" Emergency Diesel Generator condition due to the fire in the generator.
- 8) TSC should check on the Turbine Driven Auxiliary Feedwater Pump repairs.
- 9) TSC should check on the "A" RHR Pump failure to start.



MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>57</u> CPS
N-32	<u>57</u> CPS
N-35	<u>1.0X10⁻¹¹</u> AMPS
N-36	<u>1.0X10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>.00</u> %
RCS Pressure	<u>1463</u> PSIG
PRZR Level	<u>100.0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>41.4</u> %
1B S/G Level	<u>37.5</u> %
1A S/G Pressure	<u>546</u> PSIG
1B S/G Pressure	<u>546</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A/30 VOLTS B/30 VOLTS</u>
Cnmt Pressure	<u>.45</u> PSIG
Cnmt Sump A Level	<u>11.6</u> FEET
Cnmt Sump B Level	<u>8</u> INCHES
A Loop Hot Leg	<u>499.4</u> OF
A Loop Cold Leg	<u>482.0</u> OF
B Loop Hot Leg	<u>499.4</u> OF
B Loop Cold Leg	<u>488.7</u> OF
RVLIS	<u>108.0</u> %
*CET	<u>492.1</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>57</u> 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 19.5 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 61 GPM
 FI-925 17 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 = 90.5 %

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 84/83 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 100 %

Standby Aux. Feedwater Pumps

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

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS=DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	5.78760+01	GOOD CPS
4	N32	SOURCE RANGE DETECTOR N-32	5.76764+01	GOOD CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.00925-11	GOOD AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.00925-11	GOOD AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	1463.	HALM PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	100.0	HENG %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	1.9	INH %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	5.5	INH %
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	85.9	GOOD* DEGF
15	LSSA	STM GEN A NARROW RANGE AVG LEVEL	41.4	GOOD %
16	LSSB	STM GEN B NARROW RANGE AVG LEVEL	37.5	GOOD %
17	PSGA	STM GEN A AVERAGE PRESSURE	546.	LWRN PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	546.	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	.45	GOOD PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	11.6	HALM 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	499.4	GOOD DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	499.4	GOOD DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	478.1	GOOD DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	482.0	GOOD DEGF
43	TAVGAWID	RCLA TAVG (THOT/TCOLD WIDE RNS)	488.7	GOOD DEGF



GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
TAVGBWID	ROLB TANG (THOT/TCOLD WIDE RING)	490.7	6000	DEGF
LRV	REACTOR VESSAL AVERAGE LEVEL	108.0	6000	%
46 TCCORE	E1.1 INCORE TC AVERAGE TEMP	492.1	600*	DEGF
47 FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	6000	GPM
48 FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	57.	6000	GPM
49 BKR081	MTR AUXILIARY FEEDWATER PUMP A	ON	6000	
50 BKR082	MTR AUXILIARY FEEDWATER PUMP B	ON	6000	
51 V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	6000	
52 V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	6000	
53 FSIA	SAFETY INJECTION LOOP A AVG FLOW	61.	6000	GPM
54 FSIB	SAFETY INJECTION LOOP B AVG FLOW	17.	6000	GPM
55 P2160	SERVICE WATER PUMPS A & B HEADER	84.	6000	PSIG
56 P2161	SERVICE WATER PUMPS C & D HEADER	83.	6000	PSIG
57 BKR041	SERVICE WATER PUMP A	ON	6000	
58 BKR042	SERVICE WATER PUMP B	OFF	6000	
59 BKR043	SERVICE WATER PUMP C	OFF	6000	
60 BKR044	SERVICE WATER PUMP D	ON	6000	

E-0-J

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

13:15:31

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	0.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	90.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.3	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	68.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	60.9	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	60.1	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.4	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	2.03289-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.10648+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	7.35990+04	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.34508+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.01652+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93021+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.99999+06	HALM	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	9.99999+06	HALM	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.10276+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.49210+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.06637+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.07736-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	1.44254+02	HALM	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.20958-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.18329-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	9.98091-03	HALM	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.01925+01	HALM	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	1.01606+01	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.10553-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.27216-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.84481-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.52813+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.74507-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	1.3	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	204.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	204.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	204.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	204.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	204.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	211.5	GOOD	DEGF

E-0-J



Time: 1330
Message: 58

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Accident response and assessment continues.

Actions Expected:

- 1) Efforts are continuing to assess the accident, track the Plume, perform dose assessment and implement/coordinate PARs.
- 2) Operators working on stabilizing the Plant per Emergency Procedures.

MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>60</u> CPS
N-32	<u>60</u> CPS
N-35	<u>1.0x10⁻¹¹</u> AMPS
N-36	<u>1.0x10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>.00</u> %
RCS Pressure	<u>1462</u> PSIG
PRZR Level	<u>100.0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>36.9</u> %
1B S/G Level	<u>38.4</u> %
1A S/G Pressure	<u>546</u> PSIG
1B S/G Pressure	<u>546</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A/30 VOLTS</u> <u>B/30 VOLTS</u>
Cmnt Pressure	<u>.37</u> PSIG
Cmnt Sump A Level	<u>11.7</u> FEET
Cmnt Sump B Level	<u>8</u> INCHES
A Loop Hot Leg	<u>498.7</u> OF
A Loop Cold Leg	<u>478.4</u> OF
B Loop Hot Leg	<u>498.7</u> OF
B Loop Cold Leg	<u>481.8</u> OF
RVLIS	<u>108.0</u> %
*CET	<u>491.3</u> OF
S/G A Total Aux FW Flow	<u>0</u> GPM
S/G B Total Aux FW Flow	<u>153</u> 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 : 20.0 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 62 GPM
 FI-925 19 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 = 90.2 %

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 _____ PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 84/83 %

Standby Aux. Feedwater Pumps

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

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	6.09536+01	GOOD CFS
4	N32	SOURCE RANGE DETECTOR N-32	6.09536+01	GOOD CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.00925-11	GOOD AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.00925-11	GOOD AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	1462.	LALM PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	100.0	HENG %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	.0	INHIB %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	5.5	INHIB %
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	87.0	GOOD DEG
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	36.9	GOOD %
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	38.4	GOOD %
17	PSSA	STM GEN A AVERAGE PRESSURE	546.	LWRN PSIG
18	PSSB	STM GEN B AVERAGE PRESSURE	546.	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	.37	GOOD PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	11.7	HALM 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	498.7	GOOD DEG
40	T0410A	RCLB HOT LEG TEMPERATURE	498.7	GOOD DEG
41	T0450	RCLA COLD LEG TEMPERATURE	478.4	GOOD DEG
42	T0451	RCLB COLD LEG TEMPERATURE	481.8	GOOD DEG
43	TAV6AWID	RCLA TAVS (THGT/TCOLD WIDE RNG)	468.6	GOOD DEG



GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RING)	490.3	GOOD	DEGF
LRV	REACTOR VESSAL AVERAGE LEVEL	108.0	GOOD	%
46 TCCORE	E1.1 INCORE TC AVERAGE TEMP	491.3	GOOD*	DEGF
47 FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	0.	GOOD	GPM
48 FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	153.	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	
53 FS1A	SAFETY INJECTION LOOP A AVG FLOW	62.	GOOD	GPM
54 FS1B	SAFETY INJECTION LOOP B AVG FLOW	19.	GOOD	GPM
55 P2160	SERVICE WATER PUMPS A & B HEADER	84.	GOOD	PSIG
56 P2161	SERVICE WATER PUMPS C & D HEADER	83.	GOOD	PSIG
57 BKR041	SERVICE WATER PUMP A	ON	GOOD	
58 BKR042	SERVICE WATER PUMP B	OFF	GOOD	
59 BKR043	SERVICE WATER PUMP C	OFF	GOOD	
60 BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

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

13:30:20

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	0.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	90.2	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.0	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	66.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	61.0	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	60.6	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.4	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	2.07489-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.10648+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	7.35453+04	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.29548+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.01921+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93596+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.99999+06	HALM	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	9.99999+06	HALM	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.09657+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.48449+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.02208+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.08095-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	1.44601+02	HALM	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.22486-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.11714-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	9.98630-03	HALM	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.01537+01	HALM	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	1.01371+01	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.12232-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.22090-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.80428-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.51276+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.76181-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	1.3	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	203.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	203.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	203.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	203.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	203.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	209.5	GOOD	DEGF

E-0-J



Time: 1345
Message: 59

GINNA STATION

1991 EVALUATED EXERCISE

MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

AOV-754A frees itself and closes.

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) AOV-754A closing isolates the RCS leak to Auxiliary Building.
- 2) If the TSC sent a team into close MOV-759A, it will be considered closed at this time.

Actions Expected:

- 1) Operations should inform the TSC that AOV-754A is closed isolating the RCS leak to the Auxiliary Building.
- 2) TSC should inform the EOF of the isolation of the RCS leak to the Auxiliary Building.
- 3) TSC should be assessing Plant conditions and equipment availability.
- 4) Efforts are continuing to assess the accident, track the Plum, perform dose assessment and implement/coordinate PARs.

MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>56</u> CPS
N-32	<u>60</u> CPS
N-35	<u>1.0X10⁻¹¹</u> AMPS
N-36	<u>1.0X10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>.00</u> %
RCS Pressure	<u>1500</u> PSIG
PRZR Level	<u>100.0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>38.6</u> %
1B S/G Level	<u>47.4</u> %
1A S/G Pressure	<u>546</u> PSIG
1B S/G Pressure	<u>547</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A/30 VOLTS B/30 VOLTS</u>
Cnmt Pressure	<u>.32</u> PSIG
Cnmt Sump A Level	<u>11.9</u> FEET
Cnmt Sump B Level	<u><8</u> INCHES
A Loop Hot Leg	<u>498.3</u> OF
A Loop Cold Leg	<u>478.6</u> OF
B Loop Hot Leg	<u>498.3</u> OF
B Loop Cold Leg	<u>481.8</u> OF
RVLIS	<u>107.6</u> %
*CET	<u>490.8</u> OF
S/G A Total Aux FW Flow	<u>89</u> GPM
S/G B Total Aux FW Flow	<u>0</u> 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 19.5 FEET

ENGINEERED SAFEGUARDSHigh Head S.I. Pumps

FI-924 26 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 = 89.8 %

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 84/83 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 100 %

Standby Aux. Feedwater Pumps

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

*CET = Average of Selected Core Exit Thermocouples



TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME GROUP DESCRIPTION
EVENT1 PLANT STATUS=DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	5.59112+01	GOOD CFS
4	N32	SOURCE RANGE DETECTOR N-32	5.99099+01	GOOD CFS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.00925-11	GOOD AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.00925-11	GOOD AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	1500.	LALM PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	100.0	HENG %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	1.9	INHB %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	5.5	INHB %
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	90.9	GOOD* DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	38.6	GOOD %
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	47.4	GOOD %
17	PSGA	STM GEN A AVERAGE PRESSURE	546.	LWRN PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	547.	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD?
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD?
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	.32	GOOD PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	11.9	HALM 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	498.3	GOOD DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	498.3	GOOD DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	478.6	GOOD DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	481.8	GOOD DEGF
43	TAV6AWID	RCLA TAVS (THOT/TCOLD WIDE RNS)	488.5	GOOD DEGF

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
J	TAVGBWID	490.1	GOOD	DEGF
	LRV	107.6	GOOD	%
46	TCCORE	490.8	GOOD*	DEGF
47	FAUXFWA	89.	GOOD	GPM
48	FAUXFWB	0.	GOOD	GPM
49	BKR081	ON	GOOD	
50	BKR082	ON	GOOD	
51	V3505	CLOSED	GOOD	
52	V3504	CLOSED	GOOD	
53	FSIA	26.	GOOD	GPM
54	FSIB	0.	GOOD	GPM
55	P2160	84.	GOOD	PSIG
56	P2161	83.	GOOD	PSIG
57	BKR041	ON	GOOD	
58	BKR042	OFF	GOOD	
59	BKR043	OFF	GOOD	
60	BKR044	ON	GOOD	

E-0-J

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

13:45:20

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	0.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	89.8	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.1	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	65.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	61.7	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	61.3	GOOD	DEGF
7	WOT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.4	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	2.04071-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.10510+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	7.35337+04	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.24476+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.01654+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93587+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.99999+06	HALM	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	9.99999+06	HALM	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.08432+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.47661+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.01512+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.04925-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	1.44938+02	HALM	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.29653-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.12090-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	9.98402-03	HALM	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.01286+01	HALM	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	1.01764+01	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.14989-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.23987-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.84715-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.52399+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.76853-01	HALM	MR/HR
37	CVH	CV HY DROGEN CONCENTRATION	1.3	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	203.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	203.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	203.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	203.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	203.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	209.5	GOOD	DEGF

E-0-J



Time: 1400
Message: 60

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Accident response and assessment continues. Offsite radiation levels near the Ginna Plant are starting to drop due to the isolation of the source of the radioactive leak.

Actions Expected:

- 1) Operations should be stabilizing the Plant.
- 2) TSC should be assessing Plant conditions and equipment availability.
- 3) Efforts are continuing to assess the accident, track the Plume, perform dose assessment and implement/coordinate PARs.



MAJOR PARAMETERS

Reactor Shutdown

	<u>YES</u> /NO
N-31	<u>58</u> CPS
N-32	<u>60</u> CPS
N-35	<u>1.0x10⁻¹¹</u> AMPS
N-36	<u>1.0x10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>.00</u> %
RCS Pressure	<u>1850</u> PSIG
PRZR Level	<u>100.0</u> %

A RCP

RUNNING/STOPPED

B RCP

RUNNING/STOPPED

1A S/G Level

39.2 %

1B S/G Level

36.3 %

1A S/G Pressure

546 PSIG

1B S/G Pressure

546 PSIGTurbine/Generator ONLINE/OFFLINE

4 KV Buses

ENERGIZED/DEENERGIZED

480V Buses

ENERGIZED/DEENERGIZEDDC Batteries A130 VOLTS B130 VOLTS

Cnmt Pressure

.30 PSIG

Cnmt Sump A Level

12.0 FEET

Cnmt Sump B Level

8 INCHES

A Loop Hot Leg

502.7 OF

A Loop Cold Leg

477.4 OF

B Loop Hot Leg

502.7 OF

B Loop Cold Leg

482.4 OF

RVLIS

107.6 %

*CET

495.4 OF

S/G A Total Aux FW Flow

19 GPM

S/G B Total Aux FW Flow

57 GPMDIESEL GENERATORSA. RUNNING/UNLOADED/STBY/OOSB. RUNNING/UNLOADED/STBY/OOSTSC RUNNING/UNLOADED/STBY/OOSSecurity RUNNING/UNLOADED/STBY/OOSENGINEERED SAFEGUARDS

Aux. Feedwater Pumps

1A. INSERV/STBY/OOS1B. INSERV/STBY/OOSTurb. Driven INSERV/STBY/OOSCST Level : 19.5 FEETENGINEERED SAFEGUARDS

High Head S.I. Pumps

FI-924 0 GPMFI-925 0 GPM1A. INSERV/STBY/OOS1B. INSERV/STBY/OOS1C. INSERV/STBY/OOSBAST Level = 10 %

Low Head S.I. Pumps

FI-626 0 GPM1A. INSERV/STBY/OOS/RECIRC1B. INSERV/STBY/OOS/RECIRCRWST Level = 89.8 %

Containment Spray Pumps

FI-931A 0 GPMFI-931B 0 GPM1A. INSERV/STBY/OOS1B. INSERV/STBY/OOSNaOH Tank Level = 94 %

Containment Recirc Fans

1A. INSERV/STBY/OOS1B. INSERV/STBY/OOS1C. INSERV/STBY/OOS1D. INSERV/STBY/OOSPost Accident Dampers OPEN/CLOSED

Service Water Pumps

1A. INSERV/STBY/OOS1B. INSERV/STBY/OOS1C. INSERV/STBY/OOS1D. INSERV/STBY/OOSA&B Header Pressure 84/83 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS1B. INSERV/STBY/OOSSurge Tank Level = 100 %

Standby Aux. Feedwater Pumps

1C. INSERV/STBY/OOS1D. INSERV/STBY/OOS

*CET = Average of Selected Core Exit Thermocouples



TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME GROUP DESCRIPTION
EVENT1 PLANT STATUS=DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	5.84788+01	GOOD CFS
4	N32	SOURCE RANGE DETECTOR N-32	5.07433+01	GOOD CFS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.00925-11	GOOD AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.00925-11	GOOD AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	1850.	GOOD PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	100.0	HENG %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	.0	INHB %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	5.5	INHB %
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	114.8	GOOD* DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	39.2	GOOD %
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	36.3	GOOD %
17	PSGA	STM GEN A AVERAGE PRESSURE	546.	INHB PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	546.	INHB 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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	12.0	HALM 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	502.7	GOOD DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	502.7	GOOD DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	477.9	GOOD DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	482.4	GOOD DEGF
43	TAVGAWID	RCLA TAVG (THGT/TCOLD WIDE RNG)	490.3	GOOD DEGF



GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
TAVGBWID	ROLB TAVG (THOT/TCOLD WIDE RING)	492.5	6000	DEGF
LRV	REACTOR VESSAL AVERAGE LEVEL	107.6	6000	%
46	TCCORE	495.4	600*	DEGF
47	FAUXFWA	19.	6000	GPM
48	FAUXFWB	57.	6000	GPM
49	BKR081	ON	6000	
50	BKR082	ON	6000	
51	V3505	CLOSED	6000	
52	V3504	CLOSED	6000	
53	FS1A	0.	6000	GPM
54	FS1B	0.	6000	GPM
55	P2160	84.	6000	PSIG
56	P2161	83.	6000	PSIG
57	BKR041	ON	6000	
58	BKR042	OFF	6000	
59	BKR043	OFF	6000	
60	BKR044	ON	6000	

E-0-J

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

14:00:20

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	0.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	89.8	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.6	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	69.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	61.8	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	62.8	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	1.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.52165-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.10425+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.18854+04	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	2.84531+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	1.63724+03	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.91181+03	HALM	MR/H
14	R10A	CONTAINMENT IOOINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IOOINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	2.25431+05	HALM	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	3.05207+06	HALM	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.06908+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.46438+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	9.27657+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.09814-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	1.10321+02	HALM	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.23201-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.11625-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	9.98762-03	HALM	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.81321-01	HALM	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	1.96518-01	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.14989-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.23774-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.85218-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.77532-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.56637-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	1.3	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	203.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	203.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	203.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	203.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	203.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	209.5	GOOD	DEGF



Time: 1415
Message: 61

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

FOR CONTROLLER USE ONLY

Controller Notes:

Actions Expected:

- 1) Efforts are continuing to assess the accident and track the Plume.
- 2) Recovery/Re-entry discussions should commence. This should include preliminary discussions about short-term and intermediate-term concerns including preliminary designation of the Recovery organization.
- 3) State and counties may also conduct parallel discussions. Recovery/Re-entry interface between the TSC/EOF and offsite agencies should be demonstrated as time allows.

1991 EVALUATED EXERCISE

Time: 1415MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>57</u> CPS
N-32	<u>59</u> CPS
N-35	<u>1.0X10⁻¹¹</u> AMPS
N-36	<u>1.0X10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>.00</u> %
RCS Pressure	<u>1730</u> PSIG
PRZR Level	<u>100.0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>38.6</u> %
1B S/G Level	<u>36.5</u> %
1A S/G Pressure	<u>546</u> PSIG
1B S/G Pressure	<u>546</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A/30 VOLTS B/30 VOLTS</u>
Cnmt Pressure	<u>.29</u> PSIG
Cnmt Sump A Level	<u>12.1</u> FEET
Cnmt Sump B Level	<u><8</u> INCHES
A Loop Hot Leg	<u>502.2</u> OF
A Loop Cold Leg	<u>478.1</u> OF
B Loop Hot Leg	<u>502.2</u> OF
B Loop Cold Leg	<u>482.4</u> OF
RVLIS	<u>107.6</u> %
*CET	<u>494.8</u> OF
S/G A Total Aux FW Flow	<u>24</u> GPM
S/G B Total Aux FW Flow	<u>49</u> 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 : 19.5 FEET

ENGINEERED SAFEGUARDSHigh 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 = 89.8 %

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 90/94 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 100 %

Standby Aux. Feedwater Pumps

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

*CET = Average of Selected Core Exit Thermocouples



TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	5.70820+01	GOOD CPS
4	N32	SOURCE RANGE DETECTOR N-32	5.86812+01	GOOD CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.00925-11	GOOD AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.00925-11	GOOD AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	1730.	GOOD PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	100.0	HENG %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	.0	INH %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	5.5	INH %
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	106.1	GOOD DEG
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	38.6	GOOD %
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	36.5	GOOD %
17	PSGA	STM GEN A AVERAGE PRESSURE	546.	INH PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	546.	INH PSIG
19	GENBKRI	GENERATOR ON LINE BREAKER 161372	TRIPPED	ALRM
	GENBKRI2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM
	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	ALRM
	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	ALRM
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	
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	.29	GOOD PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	12.1	HALM 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	502.2	GOOD DEG
40	T0410A	RCLB HOT LEG TEMPERATURE	502.2	GOOD DEG
41	T0450	RCLA COLD LEG TEMPERATURE	478.1	GOOD DEG
42	T0451	RCLB COLD LEG TEMPERATURE	482.4	GOOD DEG
43	TAV6AWID	RCLA TAVG (THGT/TCOLD WIDE RNG)	490.2	GOOD DEG

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS-DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
TAV6BWID	ROLB TAV6 (THOT/TCOLD WIDE RING)	492.3	6000	DEGF
LRV	REACTOR VESSAL AVERAGE LEVEL	107.6	6000	%
46 TCCORE	E1.1 INCORE TC AVERAGE TEMP	494.8	600*	DEGF
47 FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	24.	6000	GPM
48 FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	49.	6000	GPM
49 BKR081	MTR AUXILIARY FEEDWATER PUMP A	ON	6000	
50 BKR082	MTR AUXILIARY FEEDWATER PUMP B	ON	6000	
51 V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	6000	
52 V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	6000	
53 FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	6000	GPM
54 FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	6000	GPM
55 P2160	SERVICE WATER PUMPS A & B HEADER	90.	6000	PSIG
56 P2161	SERVICE WATER PUMPS C & D HEADER	94.	6000	PSIG
57 BKR041	SERVICE WATER PUMP A	ON	6000	
58 BKR042	SERVICE WATER PUMP B	OFF	6000	
59 BKR043	SERVICE WATER PUMP C	ON	6000	
60 BKR044	SERVICE WATER PUMP D	ON	6000	

E-0-J

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

14:15:20

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	0.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	89.8	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	7.0	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	69.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	61.7	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	62.7	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	1.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.50357-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.10201+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	8.52342+03	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	2.64118+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	1.63654+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93474+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.33721+04	HALM	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	3.06003+04	HALM	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.05331+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.45121+02	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	9.27567+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.09814-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	5.32401+01	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.28713-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.12862-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.18095-03	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.82132-03	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.16518-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.17039-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.26681-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.81039-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.77585-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.56593-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	1.3	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	203.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	203.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	203.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	203.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	203.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	209.5	GOOD	DEGF



Time: 1430
Message: 62

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Plume tracking continues.

Actions Expected:

- 2) See Attached Sheets.

MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>58</u> CPS
N-32	<u>62</u> CPS
N-35	<u>1.0x10⁻¹¹</u> AMPS
N-36	<u>1.0x10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>0.00</u> %
RCS Pressure	<u>1702</u> PSIG
PRZR Level	<u>100.0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>38.5</u> %
1B S/G Level	<u>40.3</u> %
1A S/G Pressure	<u>546</u> PSIG
1B S/G Pressure	<u>546</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	A <u>130</u> VOLTS B <u>130</u> VOLTS
Cmnt Pressure	<u>0.29</u> PSIG
Cmnt Sump A Level	<u>12.2</u> FEET
Cmnt Sump B Level	<u><8</u> INCHES
A Loop Hot Leg	<u>501.8</u> OF
A Loop Cold Leg	<u>478.1</u> OF
B Loop Hot Leg	<u>501.8</u> OF
B Loop Cold Leg	<u>482.2</u> OF
RVLIS	<u>107.6</u> %
*CET	<u>494.6</u> OF
S/G A Total Aux FW Flow	<u>24</u> GPM
S/G B Total Aux FW Flow	<u>64</u> 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 : 19.5 FEET

ENGINEERED SAFEGUARDSHigh 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 = 89.8 %

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 90/94 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 100 %

Standby Aux. Feedwater Pumps

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

*CET = Average of Selected Core Exit Thermocouples

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	5.84788+01	GOOD	CPS
4	N32 SOURCE RANGE DETECTOR N-32	6.24452+01	GOOD	CPS
5	N35 INTERMEDIATE RANGE DETECTOR N-35	1.00925-11	GOOD	AMP
6	N36 INTERMEDIATE RANGE DETECTOR N-36	1.00925-11	GOOD	AMP
7	NP AVERAGE NUCLEAR POWER	.00	GOOD	%
8	PRCS REACTOR COOLANT SYSTEM AVG PRESS	1702.	GOOD	PSIG
9	LPZR PRESSURIZER AVERAGE LEVEL	100.0	HENG	%
10	FRCLA REACTOR COOLANT LOOP A AVG FLOW	.0	INHB	%
11	FRCLB REACTOR COOLANT LOOP B AVG FLOW	5.5	INHB	%
12	RXT16 RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
13	RXT17 RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM	
14	TSUBTC INCORE TC SUBCOOLED MARGIN	103.9	GOOD	DEGF
15	LSGA STM GEN A NARROW RANGE AVG LEVEL	38.5	GOOD	%
16	LSGB STM GEN B NARROW RANGE AVG LEVEL	40.3	GOOD	%
17	PSGA STM GEN A AVERAGE PRESSURE	546.	INHB	PSIG
18	PSGB STM GEN B AVERAGE PRESSURE	546.	INHB	PSIG
19	GENBKR1 GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM	
	GENBKR2 GENERATOR ON LINE BREAKER 9X1372	TRIPPED	ALRM	
	BUS11A BUS 11A SUPPLY BREAKER	TRIPPED	ALRM	
	BUS11B BUS 11B SUPPLY BREAKER	TRIPPED	ALRM	
23	BUS12A BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD	
24	BUS12B BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD	
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	.29	GOOD	PSIG
28	LSUMPA CONTAINMENT SUMP A AVERAGE LEVEL	12.2	HALM	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	501.8	GOOD	DEGF
40	T0410A RCLB HOT LEG TEMPERATURE	501.8	GOOD	DEGF
41	T0450 RCLA COLD LEG TEMPERATURE	478.1	GOOD	DEGF
42	T0451 RCLB COLD LEG TEMPERATURE	462.2	GOOD	DEGF
43	TAVGANID RCLA TAVG (THOT/TCOLD WIDE RNG)	489.9	GOOD	DEGF

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS=DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
5	TAVGBWID	492.0	6000	DEGF
46	LRV	107.6	6000	%
47	TCCORE	494.6	6000	DEGF
48	FAUXFWA	24.	6000	GPM
49	FAUXFWB	64.	6000	GPM
50	BKR081	ON	6000	
51	BKR082	ON	6000	
52	V3505	CLOSED	6000	
53	V3504	CLOSED	6000	
54	FSIA	0.	6000	GPM
55	FSIB	0.	6000	GPM
56	P2160	90.	6000	PSIG
57	P2161	94.	6000	PSIG
58	BKR041	ON	6000	
59	BKR042	OFF	6000	
60	BKR043	ON	6000	
	BKR044	ON	6000	

E-0-J



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

14:30:20

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	0.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	89.8	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	7.9	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	71.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	61.5	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	62.5	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	1.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.51754-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.10137+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	5.65590+03	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	2.54118+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	1.63204+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93157+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	5.99455+02	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.33562+02	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.04776+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.45875+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	9.27412+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.06913-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	3.12780+01	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.26034-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.18276-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.17656-05	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.02132-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.96518-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.18389-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.25495-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.87123-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.75400-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.59266-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	0.9	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	203.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	203.5	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	203.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	203.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	203.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	209.5	GOOD	DEGF

E-0-J

ACTIONS EXPECTED FOR MESSAGE #62

- 1) Recovery/Re-entry discussions should commence per 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 concerns such as:

1. Initial clean-up of the Auxiliary Building.
2. Clean-up and place back in service the Component Cooling Water System.
3. Cooling down and depressurizing the Plant.
4. Repair and return to service of the "A" Emergency Diesel Generator.
5. Repair and return to service of the Turbine Driven Auxiliary Feedwater Pump.
6. Repair and return to service of the "A" RHR Pump.
7. Finish the re-assembly of the "A" Containment Spray Pump.

Intermediate-term Plant concerns such as:

1. Containment vessel inspection and clean-up plans.
2. "A" RCP repair plans.
3. More extensive clean-up effort in the Auxiliary Building.

- 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.

Time: 1445
Message: 63

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for: Control Room

Simulated Plant Conditions: See Attached Sheets

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

FOR CONTROLLER USE ONLY

Controller Notes:

- 1) Plume tracking continues.

Actions Expected:

- 1) See Attached Sheets.

1991 EVALUATED EXERCISE

Time: 1445MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>61</u> CPS
N-32	<u>58</u> CPS
N-35	<u>1.0X10⁻¹¹</u> AMPS
N-36	<u>1.0X10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>.00</u> %
RCS Pressure	<u>1709</u> PSIG
PRZR Level	<u>100.0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>38.4</u> %
1B S/G Level	<u>38.5</u> %
1A S/G Pressure	<u>546</u> PSIG
1B S/G Pressure	<u>546</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A/30 VOLTS B/30 VOLTS</u>
Cnmt Pressure	<u>.29</u> PSIG
Cnmt Sump A Level	<u>12.2</u> FEET
Cnmt Sump B Level	<u>8</u> INCHES
A Loop Hot Leg	<u>501.6</u> OF
A Loop Cold Leg	<u>478.1</u> OF
B Loop Hot Leg	<u>501.6</u> OF
B Loop Cold Leg	<u>482.2</u> OF
RVLIS	<u>107.6</u> %
*CET	<u>494.4</u> OF
S/G A Total Aux FW Flow	<u>24</u> GPM
S/G B Total Aux FW Flow	<u>73</u> 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
 Purb. Driven INSERV/STBY/OOS
 ST Level 19.5 FEET

ENGINEERED SAFEGUARDSHigh 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 = 89.8 %

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 90/94 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 100 %

Standby Aux. Feedwater Pumps

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

*CET = Average of Selected Core Exit Thermocouples



TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
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	6.13760+01	GOOD CPS
4	N32	SOURCE RANGE DETECTOR N-32	5.78760+01	GOOD CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	1.00925-11	GOOD AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	1.00925-11	GOOD AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD %
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	1709.	GOOD PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	100.0	HENG %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	.0	INH %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	5.1	INH %
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	105.0	GOOD DEG
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	38.4	GOOD %
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	38.5	GOOD %
17	PSGA	STM GEN A AVERAGE PRESSURE	546.	INH PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	546.	INH PSIG
19	GENBKRI	GENERATOR ON LINE BREAKER 161372	TRIPPED	ALRM
20	GENBKRI2	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	BUS 12A SUPPLY BREAKER	NOT TRIP	Good
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	Good
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	29	GOOD PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	12.2	HALM 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	501.6	GOOD DEG
40	T0410A	RCLB HOT LEG TEMPERATURE	501.6	GOOD DEG
41	T0450	RCLA COLD LEG TEMPERATURE	478.1	GOOD DEG
42	T0451	RCLB COLD LEG TEMPERATURE	482.2	GOOD DEG
43	TAVGAWID	RCLA TAVG (THCT/TCOLD WIDE RING)	489.8	GOOD DEG



GROUP NAME
EVENT:

GROUP DESCRIPTION
. PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	491.9	GOOD	DEGF
LRV	REACTOR VESSAL AVERAGE LEVEL	107.6	GOOD	%
TCCORE	E1.1 INCORE TC AVERAGE TEMP	494.4	GOOD*	DEGF
FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	24.	GOOD	GPM
FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	73.	GOOD	GPM
BKR081	MTR AUXILIARY FEEDWATER PUMP A	ON	GOOD	
BKR082	MTR AUXILIARY FEEDWATER PUMP B	ON	GOOD	
V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	GOOD	
V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	GOOD	
FSIA	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
FSIB	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
P2160	SERVICE WATER PUMPS A & B HEADER	90.	GOOD	PSIG
P2161	SERVICE WATER PUMPS C & D HEADER	94.	GOOD	PSIG
BKR041	SERVICE WATER PUMP A	ON	GOOD	
BKR042	SERVICE WATER PUMP B	OFF	GOOD	
BKR043	SERVICE WATER PUMP C	ON	GOOD	
BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J .

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

14:45:20

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	0.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	89.8	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	6.7	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	83.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	61.6	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	62.6	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	1.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.58106-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.10057+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	3.19893+03	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	2.44118+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	1.66269+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93498+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	2.25431+02	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	1.98207+02	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.03776+02	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.44432+02	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	9.29524+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.01734-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.52981+01	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.23035-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.10723-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.18095-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.82132-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.96518-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.10715-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.24676-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.89012-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.77230-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.59549-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	0.9	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	203.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	203.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	203.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	203.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	203.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	209.5	GOOD	DEGF



ACTIONS EXPECTED FOR MESSAGE #63

- 1) Recovery/Re-entry discussions should commence per 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 concerns such as:

1. Initial clean-up of the Auxiliary Building.
2. Clean-up and place back in service the Component Cooling Water System.
3. Cooling down and depressurizing the Plant.
4. Repair and return to service of the "A" Emergency Diesel Generator.
5. Repair and return service of the Turbine Driven Auxiliary Feedwater Pump.
6. Repair and return to service of the "A" RHR Pump.
7. Finish the re-assembly of the "A" Containment Spray Pump.

Intermediate-term Plant concerns such as:

1. Containment vessel inspection and clean-up plans.
2. "A" RCP repair plans.
3. More extensive clean-up effort in the Auxiliary Building.

- 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.



Time: 1500
Message: 64

GINNA STATION
1991 EVALUATED EXERCISE
MESSAGE FORM

Message for:

Simulated Plant Conditions: See 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.

Actions Expected:

- 1) Close out by making an announcement to all facilities (including the RECS Line) that the Exercise is terminated.



1991 EVALUATED EXERCISE

Time: 1500MAJOR PARAMETERS

Reactor Shutdown	<u>YES/NO</u>
N-31	<u>63</u> CPS
N-32	<u>63</u> CPS
N-35	<u>1.0x10⁻¹¹</u> AMPS
N-36	<u>1.0x10⁻¹¹</u> AMPS
Avg. Nuclear Power	<u>.00</u> %
RCS Pressure	<u>1643</u> PSIG
PRZR Level	<u>100.0</u> %
A RCP	<u>RUNNING/STOPPED</u>
B RCP	<u>RUNNING/STOPPED</u>
1A S/G Level	<u>38.5</u> %
1B S/G Level	<u>39.3</u> %
1A S/G Pressure	<u>546</u> PSIG
1B S/G Pressure	<u>546</u> PSIG
Turbine/Generator	<u>ONLINE/OFFLINE</u>
4 KV Buses	<u>ENERGIZED/DEENERGIZED</u>
480V Buses	<u>ENERGIZED/DEENERGIZED</u>
DC Batteries	<u>A/30 VOLTS</u> <u>B/30 VOLTS</u>
Cnmt Pressure	<u>.29</u> PSIG
Cnmt Sump A Level	<u>12.3</u> FEET
Cnmt Sump B Level	<u>28</u> INCHES
A Loop Hot Leg	<u>501.2</u> OF
A Loop Cold Leg	<u>477.9</u> OF
B Loop Hot Leg	<u>501.2</u> OF
B Loop Cold Leg	<u>482.2</u> OF
RVLIS	<u>107.6</u> %
*CET	<u>443.9</u> OF
S/G A Total Aux FW Flow	<u>84</u> GPM
S/G B Total Aux FW Flow	<u>77</u> 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
 Furb. Driven INSERV/STBY/OOS
 ST Level 20.0 FEET

ENGINEERED SAFEGUARDSHigh 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 = 89.8 %

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 90/94 PSIG

Component Cooling Water Pumps

1A. INSERV/STBY/OOS
 1B. INSERV/STBY/OOS
 Surge Tank Level = 100 %

Standby Aux. Feedwater Pumps

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

*CET = Average of Selected Core Exit Thermocouples



TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	ALRM	
3	N31	SOURCE RANGE DETECTOR N-31	GOOD	CPS
4	N32	SOURCE RANGE DETECTOR N-32	GOOD	CPS
5	N35	INTERMEDIATE RANGE DETECTOR N-35	GOOD	AMP
6	N36	INTERMEDIATE RANGE DETECTOR N-36	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	GOOD	%
8	FRCS	REACTOR COOLANT SYSTEM AVG PRESS	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	HENG	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	INHB	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	
14	TSUBTC	INCGR TC SUBCOOLED MARGIN	GOOD	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	INHB	PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	INHB	PSIG
19	GENBKR1	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	
20	GENBKR2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	
25	B11A12A	BUS 11A TO 12A TIE BREAKER	NOT TRIP	
26	B11B12B	BUS 11B TO 12B TIE BREAKER	NOT TRIP	
27	PCV	CONTAINMENT AVERAGE PRESSURE	GOOD	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	HALM	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	
39	T0409A	RCLA HOT LEG TEMPERATURE	501.2	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	501.2	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	477.9	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	462.2	DEGF
43	TAV6AWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	489.5	DEGF

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
TAVGBWID	RCLB TAVG (THOT/TCOLD WIDE RNG)	491.7	GOOD	DEGF
45 LRV	REACTOR VESSAL AVERAGE LEVEL	107.6	GOOD	%
46 TCCORE	E1.1 INCORE TC AVERAGE TEMP	493.9	GOOD*	DESF
47 FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	24.	GOOD	GPM
48 FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	77.	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	
53 FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	GOOD	GPM
54 FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	GOOD	GPM
55 P2160	SERVICE WATER PUMPS A & B HEADER	90.	GOOD	PSIG
56 P2161	SERVICE WATER PUMPS C & D HEADER	94.	GOOD	PSIG
57 BKR041	SERVICE WATER PUMP A	ON	GOOD	
58 BKR042	SERVICE WATER PUMP B	OFF	GOOD	
59 BKR043	SERVICE WATER PUMP C	ON	GOOD	
60 BKR044	SERVICE WATER PUMP D	ON	GOOD	

E-0-J

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

15:00:20

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	0.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	89.8	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	7.3	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	85.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	61.8	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	62.0	GOOD	DEGF
7	WT2	250 TO 33 FOOT LEVEL DELTA TEMP	0.2	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.52165-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.08943+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	3.18943+03	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	2.24118+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	1.63724+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93225+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	2.25431+02	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	1.98207+02	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.02998+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.33544+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	9.27657+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.09814-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.55214+01	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.23201-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.11625-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.18095-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.82132-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.96518-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.14989-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.23774-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.85218-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.77532-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.56637-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	0.9	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	203.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	203.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	203.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	203.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	203.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	209.5	GOOD	DEGF

E-0-J

15:15:19

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME GROUP DESCRIPTION
EVENT1 PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ALRM	
2	RXT	REACTOR TRIP BREAKER STATUS	ALRM	
3	NS1	SOURCE RANGE DETECTOR N-31	GOOD	CPS
4	NS2	SOURCE RANGE DETECTOR N-32	GOOD	CPS
5	NS5	INTERMEDIATE RANGE DETECTOR N-35	GOOD	AMP
6	NS6	INTERMEDIATE RANGE DETECTOR N-36	GOOD	AMP
7	NP	AVERAGE NUCLEAR POWER	GOOD	%
8	PRCS	REACTOR COOLANT SYSTEM AVG PRESS	GOOD	PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	HEMG	%
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	INHB	%
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	INHB	%
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	
14	TSUBTC	INCERE TC SUBCOOLED MARGIN	GOOD	DEGF
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	GOOD	%
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	GOOD	%
17	PSGA	STM GEN A AVERAGE PRESSURE	INHB	PSIG
	PSGB	STM GEN B AVERAGE PRESSURE	INHB	PSIG
	GENBKRI	GENERATOR ON LINE BREAKER 161372	TRIPPED	
	GENBKRI2	GENERATOR ON LINE BREAKER 9X1372	TRIPPED	
21	BUS11A	BUS 11A SUPPLY BREAKER	TRIPPED	
22	BUS11B	BUS 11B SUPPLY BREAKER	TRIPPED	
23	BUS12A	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	2.29	PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	12.3	FEET
29	L0942E	SUMP B LEVEL 8 INCHES (TRAIN A)	LOWER	
30	L0943E	SUMP B LEVEL 8 INCHES (TRAIN B)	LOWER	
31	L0942D	SUMP B LEVEL 78 INCHES (TRAIN A)	LOWER	
32	L0943D	SUMP B LEVEL 78 INCHES (TRAIN B)	LOWER	
33	L0942C	SUMP B LEVEL 113 INCHES (TRAIN A)	LOWER	
34	L0943C	SUMP B LEVEL 113 INCHES (TRAIN B)	LOWER	
35	L0942B	SUMP B LEVEL 180 INCHES (TRAIN A)	LOWER	
36	L0943B	SUMP B LEVEL 180 INCHES (TRAIN B)	LOWER	
37	L0942A	SUMP B LEVEL 214 INCHES (TRAIN A)	LOWER	
38	L0943A	SUMP B LEVEL 214 INCHES (TRAIN B)	LOWER	
39	T0409A	RCLA HOT LEG TEMPERATURE	501.2	DEGF
40	T0410A	RCLB HOT LEG TEMPERATURE	501.2	DEGF
41	T0450	RCLA COLD LEG TEMPERATURE	477.9	DEGF
42	T0451	RCLB COLD LEG TEMPERATURE	482.2	DEGF
43	TAV6AWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	489.5	DEGF

GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS	
44	TAVGBWID	ROLD TAMB (THOT/TCOLD WIDE RING)	491.7	6000	DEGF
45	LRV	REACTOR VESSAL AVERAGE LEVEL	107.6	6000	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	493.9	600*	DEGF
47	FAUIFWA	S/G A TOTAL AUX FEEDWATER FLOW	24.	6000	GPM
48	FAUIFWB	S/G B TOTAL AUX FEEDWATER FLOW	77.	6000	GPM
49	BKR081	HTR AUXILIARY FEEDWATER PUMP A	ON	6000	
50	BKR082	HTR AUXILIARY FEEDWATER PUMP B	ON	6000	
51	V3505	AUX FW PUMP STEAM SUPPLY VALVE A	CLOSED	6000	
52	V3504	AUX FW PUMP STEAM SUPPLY VALVE B	CLOSED	6000	
53	FS1A	SAFETY INJECTION LOOP A AVG FLOW	0.	6000	GPM
54	FS1B	SAFETY INJECTION LOOP B AVG FLOW	0.	6000	GPM
55	P2160	SERVICE WATER PUMPS A & B HEADER	90.	6000	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	94.	6000	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	6000	
58	BKR042	SERVICE WATER PUMP B	OFF	6000	
59	BKR043	SERVICE WATER PUMP C	ON	6000	
60	BKR044	SERVICE WATER PUMP D	ON	6000	

E-0-3



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

15:15:20

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	0.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	89.8	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.0	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	67.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	62.1	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	62.3	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	0.2	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.52165-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.08143+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	3.15387+03	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	2.14118+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	1.63724+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93225+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	2.25431+02	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	1.98207+02	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	3.65432+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.01443+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.32435+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	9.27657+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.09814-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.55214+01	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.23201-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.11625-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.18095-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.82132-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.96518-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.14989-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.23774-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.85218-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.77532-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.56637-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	0.9	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	203.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	203.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	203.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	203.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	203.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	209.5	GOOD	DEGF

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TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT1
GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
1	ATWS	ANTICIPATED TRANSIENT W/O SCRAM	ATWS	ALRM
2	RXT	REACTOR TRIP BREAKER STATUS	RX TRIPPED	ALRM
3	NC1	SOURCE RANGE DETECTOR N-31	6.28780+01	GOOD CPS
4	NC2	SOURCE RANGE DETECTOR N-32	6.35326+01	GOOD CPS
5	NC3	INTERMEDIATE RANGE DETECTOR N-35	1.00925-11	GOOD AMP
6	NC6	INTERMEDIATE RANGE DETECTOR N-36	1.00925-11	GOOD AMP
7	NP	AVERAGE NUCLEAR POWER	.00	GOOD %
8	FRCS	REACTOR COOLANT SYSTEM AVG PRESS	1643.	GOOD PSIG
9	LPZR	PRESSURIZER AVERAGE LEVEL	100.0	HENG %
10	FRCLA	REACTOR COOLANT LOOP A AVG FLOW	.0	INHB %
11	FRCLB	REACTOR COOLANT LOOP B AVG FLOW	5.1	INHB %
12	RXT16	RCPA BREAKER CAUSE RX TRIP	TRIPPED	ALRM
13	RXT17	RCPB BREAKER CAUSE RX TRIP	TRIPPED	ALRM
14	TSUBTC	INCORE TC SUBCOOLED MARGIN	100.3	GOOD DEG
15	LSGA	STM GEN A NARROW RANGE AVG LEVEL	38.5	GOOD %
16	LSGB	STM GEN B NARROW RANGE AVG LEVEL	39.3	GOOD %
17	PSGA	STM GEN A AVERAGE PRESSURE	546.	INHB PSIG
18	PSGB	STM GEN B AVERAGE PRESSURE	546.	INHB PSIG
19	GENBKRI	GENERATOR ON LINE BREAKER 1G1372	TRIPPED	ALRM
20	GENBKRI2	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	BUS 12A SUPPLY BREAKER	NOT TRIP	GOOD
24	BUS12B	BUS 12B SUPPLY BREAKER	NOT TRIP	GOOD
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	2.29	GOOD PSIG
28	LSUMPA	CONTAINMENT SUMP A AVERAGE LEVEL	12.3	HALM 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	501.2	GOOD DEG
40	T0410A	RCLB HOT LEG TEMPERATURE	501.2	GOOD DEG
41	T0450	RCLA COLD LEG TEMPERATURE	477.9	GOOD DEG
42	T0451	RCLB COLD LEG TEMPERATURE	482.2	GOOD DEG
43	TAV6AWID	RCLA TAVG (THOT/TCOLD WIDE RNG)	489.5	GOOD DEG



GROUP NAME
EVENT1

GROUP DESCRIPTION
PLANT STATUS*DON'T MODIFY

	POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS
44	TAV6BWID	ROLL TANK (THOT/TCOLD WIDE RING)	491.7	GOOD	DEGF
45	LRV	REACTOR VESSAL AVERAGE LEVEL	107.6	GOOD	%
46	TCCORE	E1.1 INCORE TC AVERAGE TEMP	493.9	GOOD*	DEGF
47	FAUXFWA	S/G A TOTAL AUX FEEDWATER FLOW	24.	GOOD	GPM
48	FAUXFWB	S/G B TOTAL AUX FEEDWATER FLOW	77.	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	
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	90.	GOOD	PSIG
56	P2161	SERVICE WATER PUMPS C & D HEADER	94.	GOOD	PSIG
57	BKR041	SERVICE WATER PUMP A	ON	GOOD	
58	BKR042	SERVICE WATER PUMP B	OFF	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

15:30:20

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME
EVENT 2

GROUP DESCRIPTION
PROCEDURE: EPIP 1-5 PLANT STATUS

	<u>POINT ID</u>	<u>DESCRIPTION</u>	<u>CURRENT VALUE</u>	<u>QUALITY CODE</u>	<u>ENGR UNITS</u>
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	0.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	89.8	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.0	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	64.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	62.1	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	62.3	GOOD	DEGF
7	WT2	250 TO 33 FOOT LEVEL DELTA TEMP	0.2	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.52165-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.07399+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	3.14382+03	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	2.04118+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	1.63724+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93225+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	2.25431+02	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	1.98207+02	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.00994+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.31324+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	9.27657+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.09814-07	GOOD	UC1/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.55214+01	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.23201-05	GOOD	UC1/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.11625-03	GOOD	UC1/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.18095-06	GOOD	UC1/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.82132-05	GOOD	UC1/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.96518-03	GOOD	UC1/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.14989-06	GOOD	UC1/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.23774-05	GOOD	UC1/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.85218-04	GOOD	UC1/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.77532-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.56637-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	0.9	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	203.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	203.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	203.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	203.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	203.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	209.5	GOOD	DEGF

E-0-J



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.

Immediate protective action recommendations i.e., sheltering or evacuation for certain Emergency Response Planning Areas (ERPAs) will likely be recommended based upon the anticipated declaration of a General Emergency and plant conditions. As a result of subsequent accident release rates, the projected whole body and thyroid doses will exceed EPA Protective Action Guides beyond the closest ERPA boundary (W-1), which is approximately 3.5 miles downwind.

The assumed noble gas and radioiodine release quantities are shown in Figure 9.1 as a function of time. The scenario involves one release point which is from the Plant Vent. This occurs as follows:

<u>Time</u>	<u>Release Point</u>	<u>Release Rate (Ci/sec)</u>
1215-	Plant Vent	3.69 E+2 (Noble Gas)
1345		3.69 E-1 (Radioiodine)

The noble gas-to-radioiodine ratio assumed in this scenario is 1000:1 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 1.5-hour scenario release are as follows:

Whole Body Dose (at 3.5 miles) = 1.1 Rem

Child Thyroid Dose (at 3.5 miles) = 1.0 Rem

C. Principal Plant Radiological Indications

Figures 9.2 through 9.5 provide trend plots for key plant radiological indications, including plant vent concentration, letdown monitor level, containment radiation level and reactor coolant concentration.

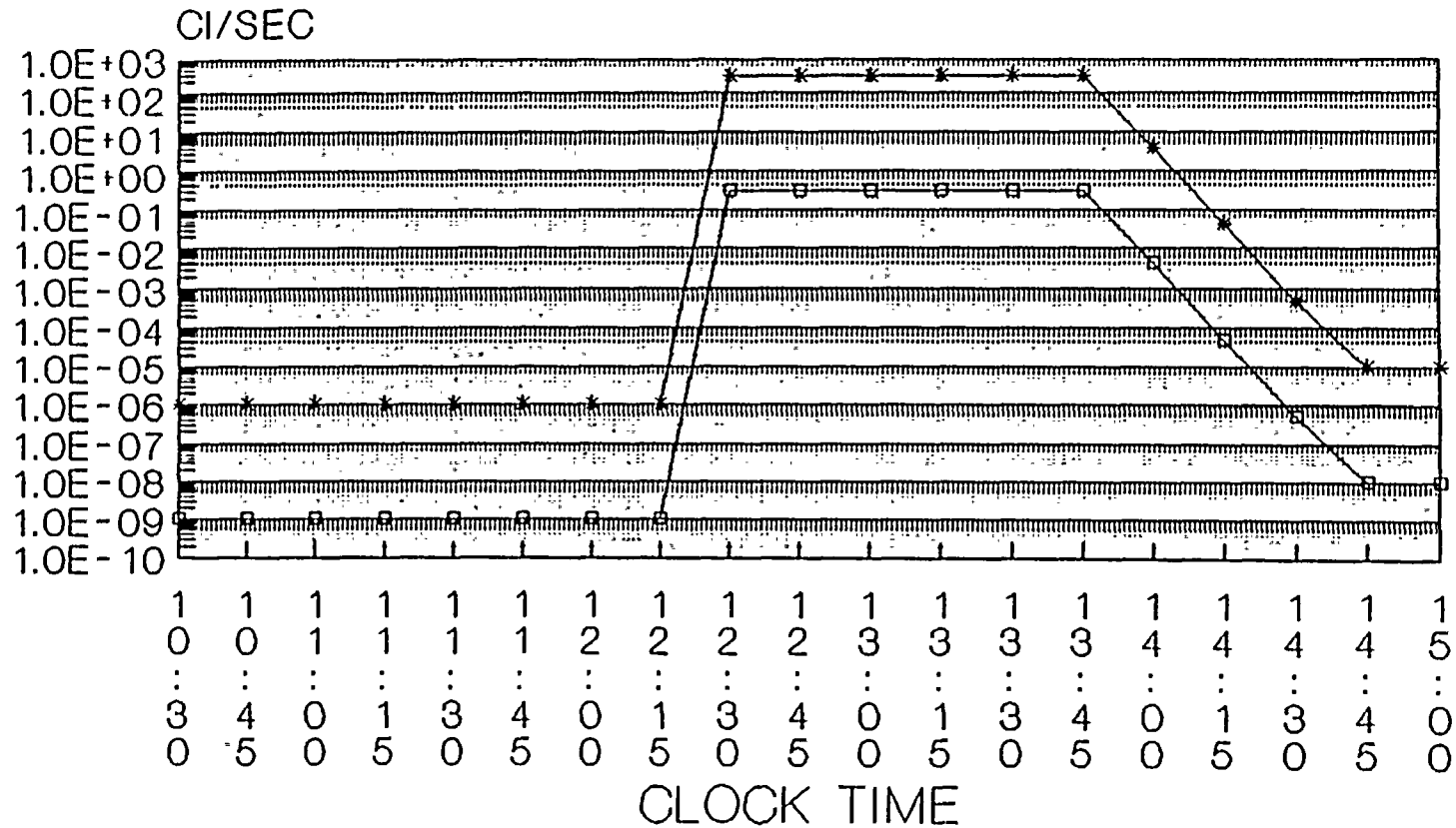
TABLE 9.1

The assumed release quantities for the Ginna Exercise Scenario are summarized as follows:

<u>Time : 1215-1345 hr</u>		
<u>Nuclide</u>	<u>Curie/Sec</u>	<u>Total Curies Released</u>
Kr-85	2.3 E-01	1.2 E+03
Kr-85m	2.3 E+01	1.2 E+05
Kr-87	3.7 E+01	2.0 E+05
Kr-88	5.4 E+01	2.9 E+05
Xe-131m	2.8 E+00	1.5 E+04
Xe-133	1.9 E+02	1.0 E+06
Xe-133m	2.8 E+01	1.5 E+05
Xe-135	3.7 E+01	2.0 E+05
Xe-135m	3.7 E-01	2.0 E+03
 Total Noble Gas	 3.7 E+02	 2.0 E+06
 I-131	 5.8 E-02	 3.1 E+02
I-132	8.4 E-02	4.5 E+02
I-133	1.1 E-01	5.9 E+02
I-135	1.1 E-01	5.9 E+02
 Total Radioiodine	 3.7 E-01	 2.0 E+03
 Long-Lived Particulate	 2.1 E-04	 1.2 E+00



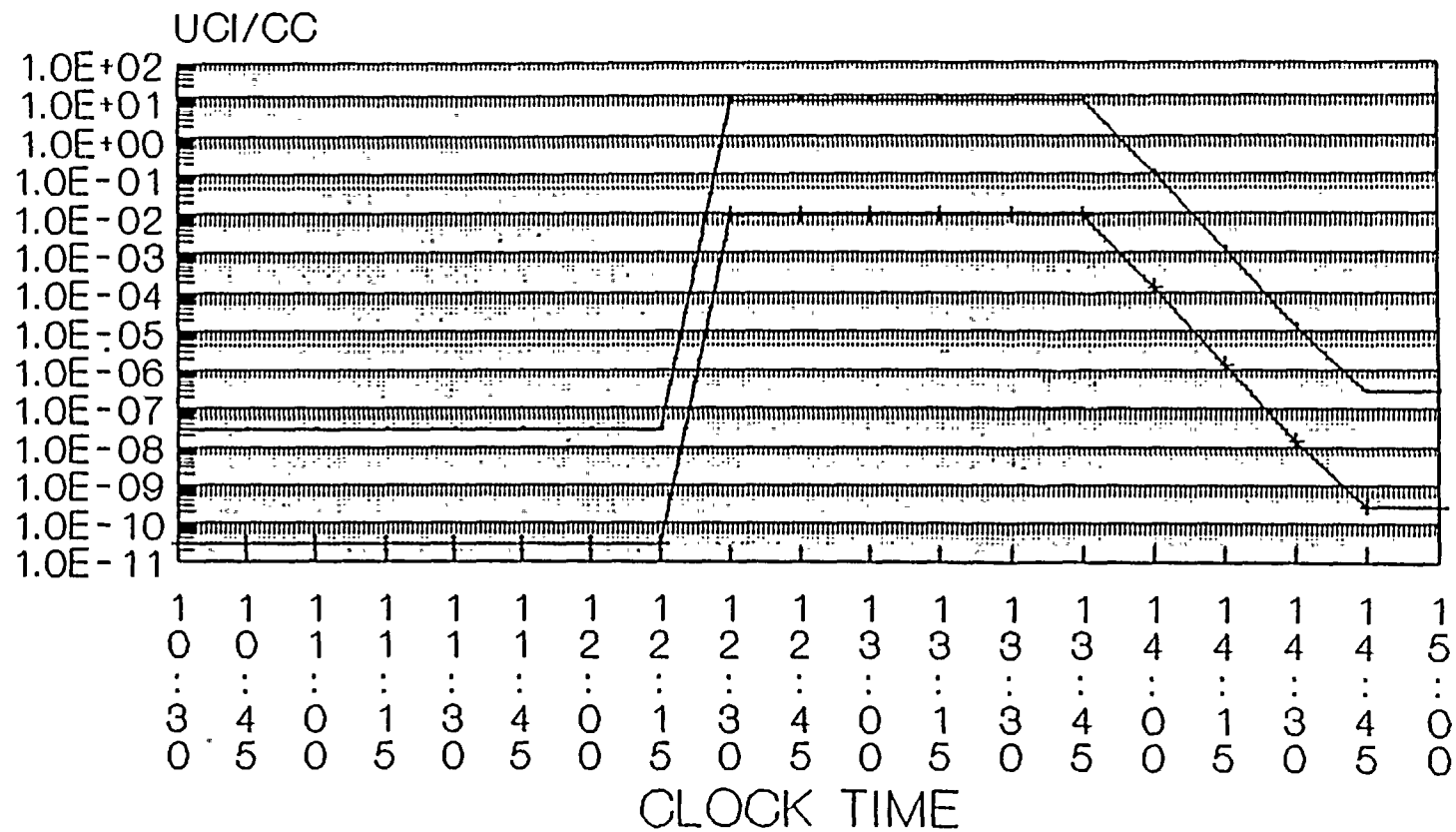
FIGURE 9.1 ASSUMED SOURCE TERMS



* NOBLE GAS CI/SEC -□- RADIOIODINE CI/SEC

FIGURE 9.2

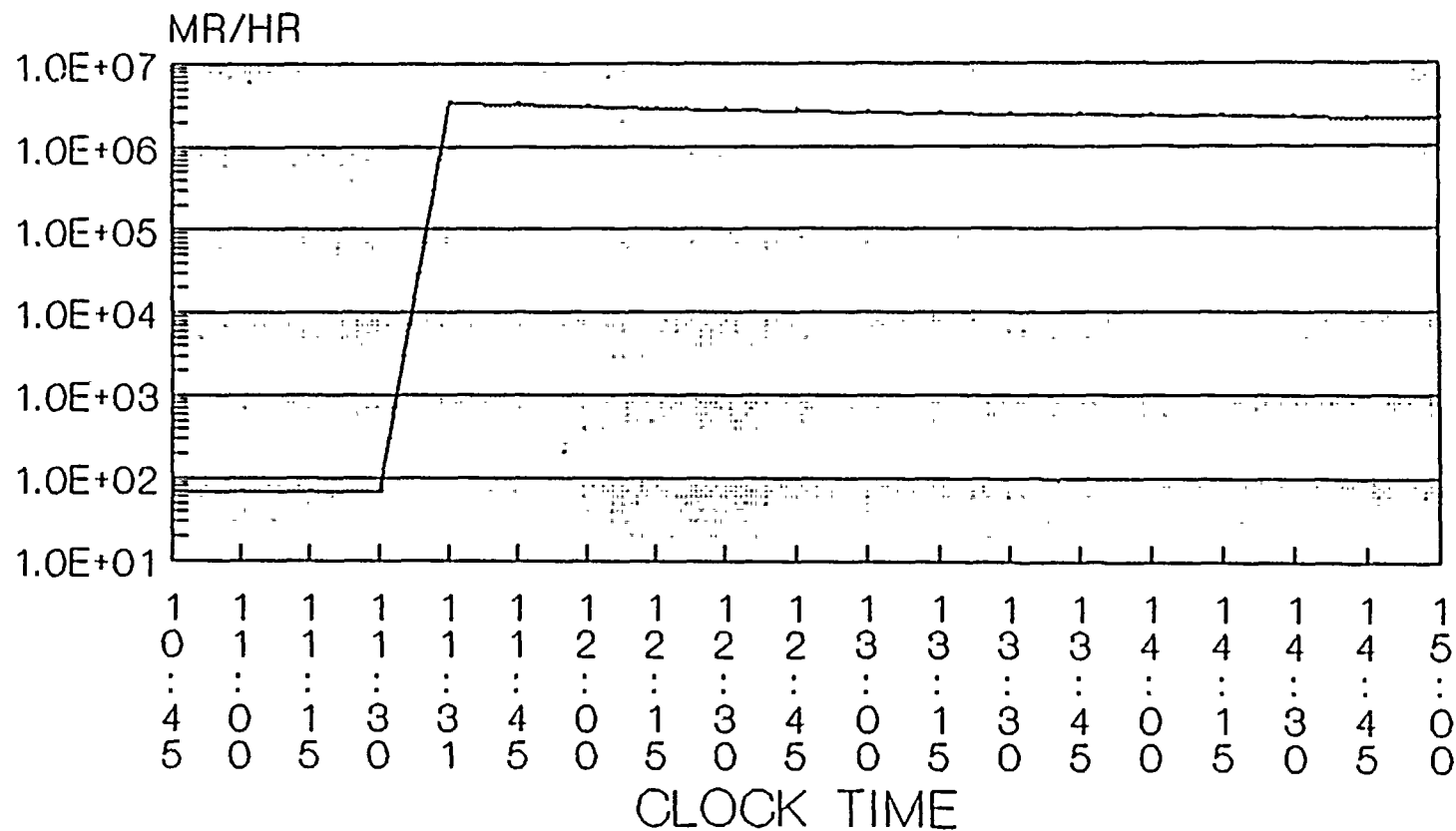
PLANT VENT CONCENTRATIONS



-- NOBLE GAS -|- RADIOIODINE



FIGURE 9.3
LETDOWN MONITOR (R-9) READING VS TIME

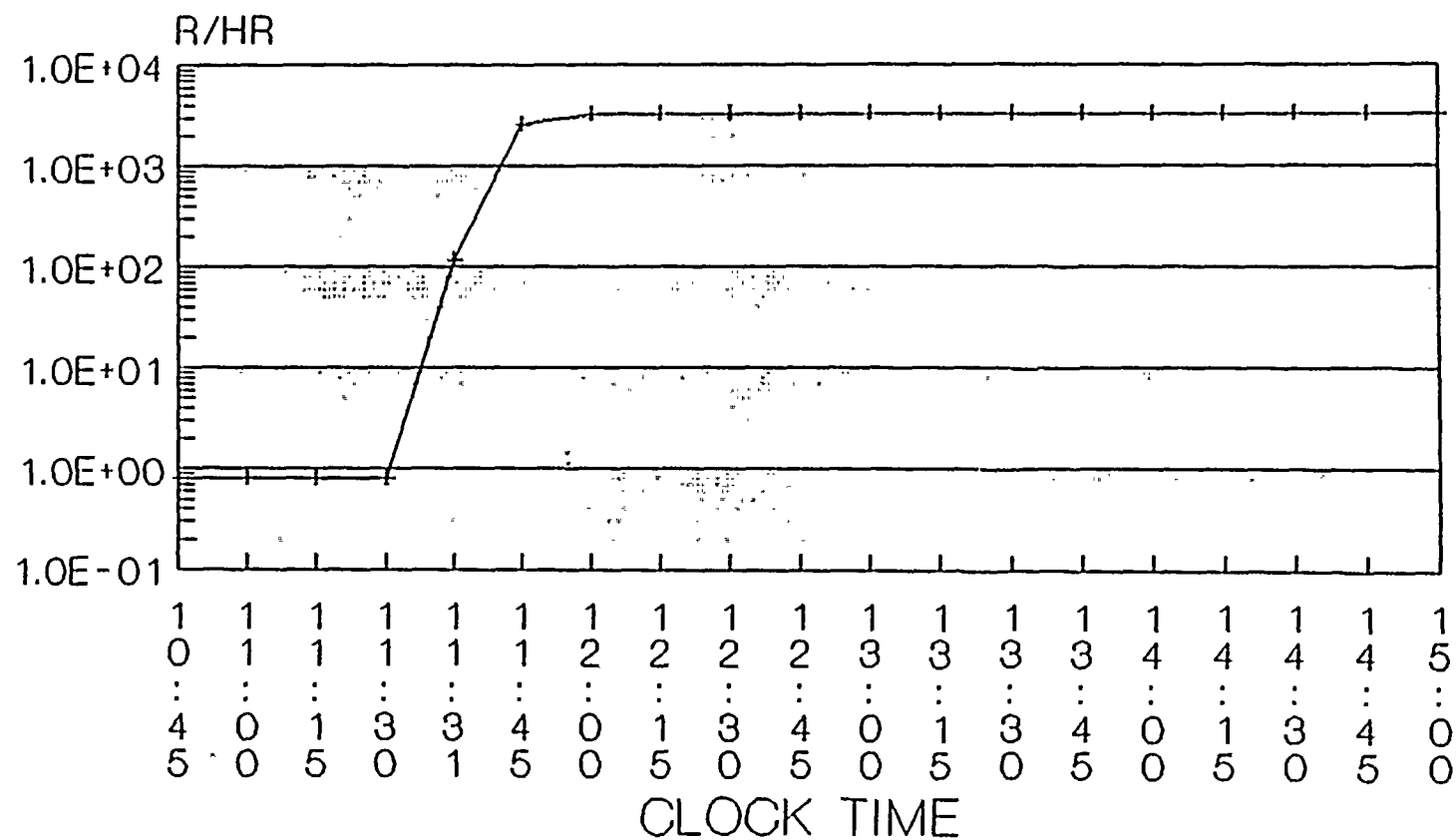


— MONITOR R-9 READING



FIGURE 9.4

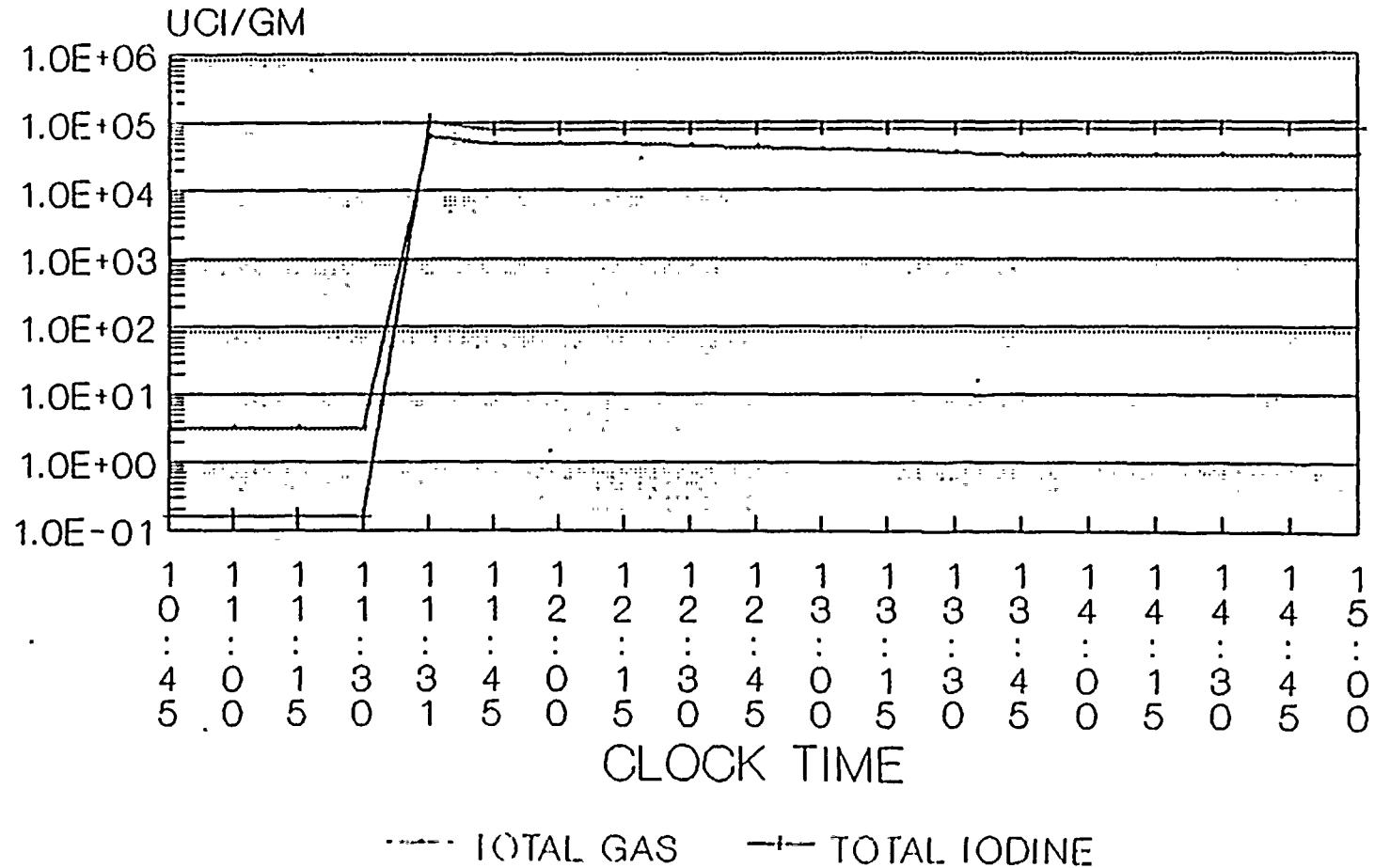
CONTAINMENT RADIATION DOSE RATE VS TIME



— R-29,30 READING



FIGURE 9.5 RCS CONCENTRATIONS VS TIME





SECTION 9.2

IN-PLANT RADIOLOGICAL DATA MAPS

RG&E
GINNA STATION

TURBINE BUILDING OPERATING FLOOR

SURVEY MAP

NORTH

ALL AREAS LESS THAN 0.1 MR/HR

DATE: 9/11/91

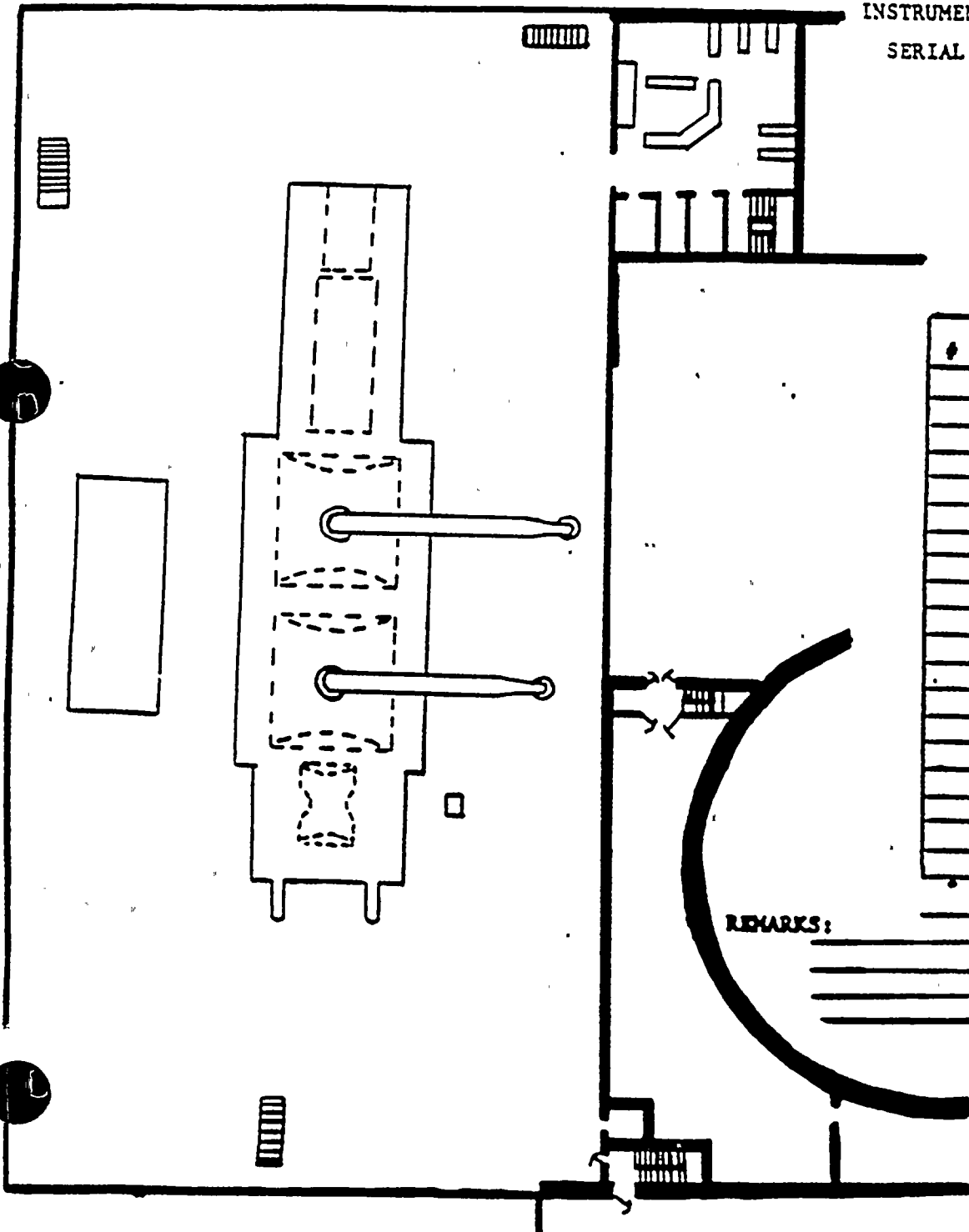
0645-
TIME: 1215

POWER: _____

BY: _____

INSTRUMENT: _____

SERIAL #: _____



SMEARS

#	DFM/100 cm ²
	ALL AREAS
	< 500
	(TURBINE BLDG)
	AIRBORNE:
	10/11/91
	TOXINE:
	3 E-10
	PARTICULATE
	6 E-10
	(CONTROL RM)
	AIRBORNE:
	SEE TABLE
	9.10

REMARKS:

RG&E
GINNA STATION

TURBINE BUILDING OPERATING FLOOR

SURVEY MAP

DATE: 9/11/91 TIME: 1216-1345
POWER: _____ BY: _____

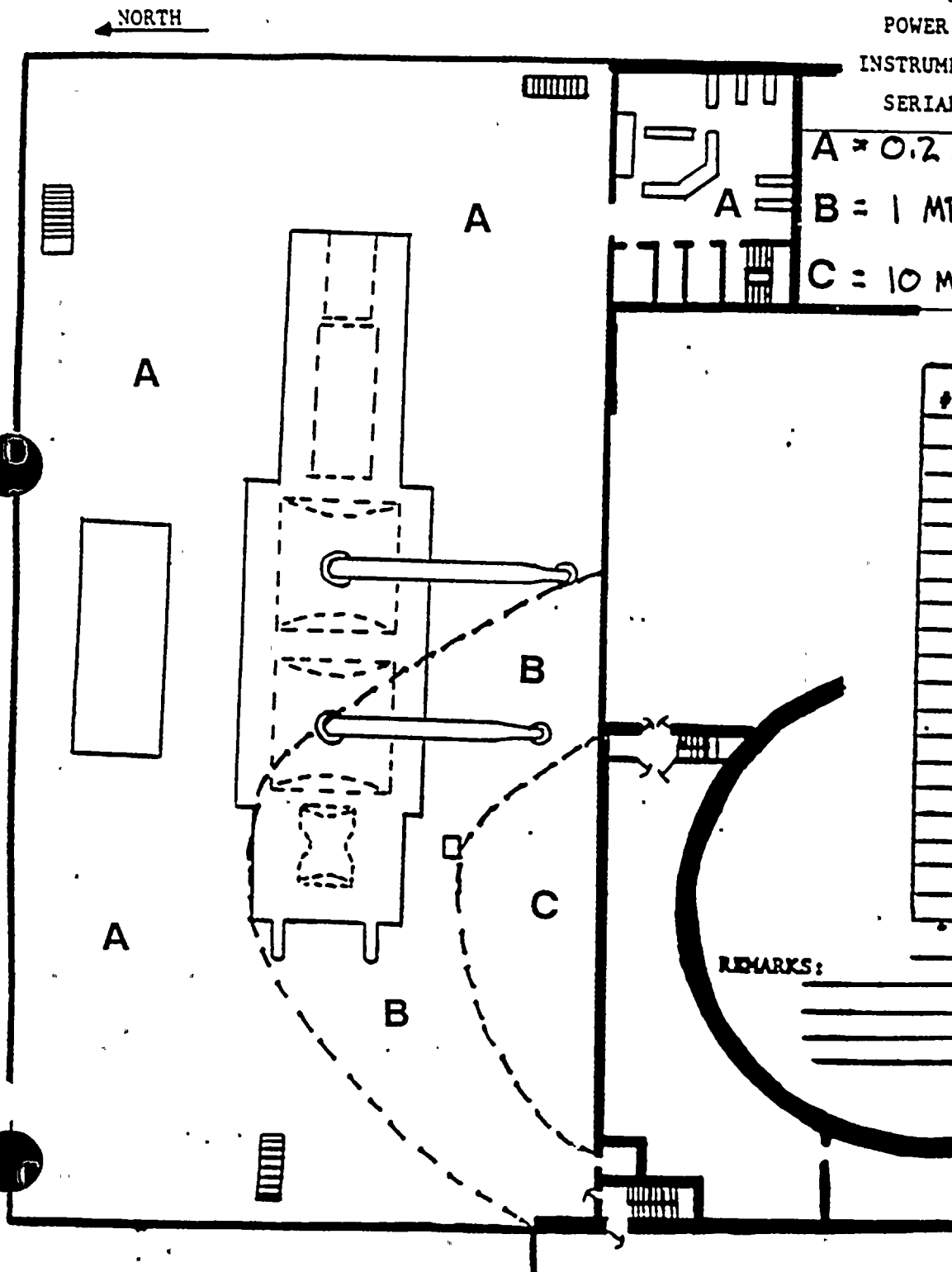
INSTRUMENT: _____
SERIAL #: _____

A = 0.2 MR/HR
B = 1 MR/HR
C = 10 MR/HR

SMEARS

#	DPM/100 Cm ²
	500-1000
	AIRBORNE: (T.B.)
	(M.C./G.)
	IONINE:
	1E-8
	PARTICULATE
	2E-8
	AIRBORNE:
	CONTROL ROOM
	(SEE TABLE
	9.1D)

REMARKS:





RG&E
GINNA STATION

TURBINE BUILDING OPERATING FLOOR

SURVEY MAP

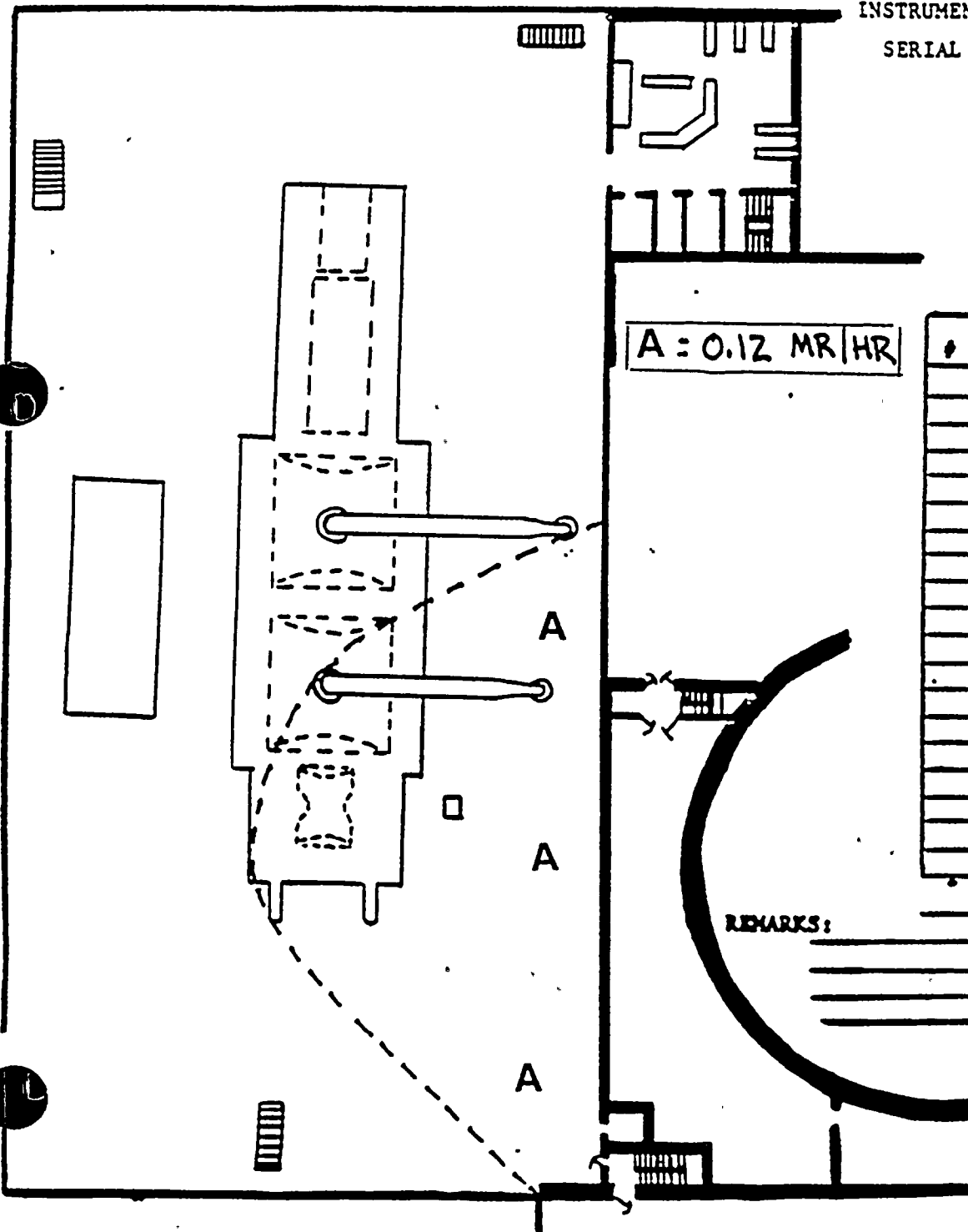
DATE: 9/11/91 TIME: 1346-
1630

POWER: _____ BY: _____

INSTRUMENT: _____

SERIAL #: _____

← NORTH



SMEARS

#	CPM/100 cm ²
	500-1000
	AIR BORNE:
	(K ₂ Si / CG)
	IODINE:
	3E-10
	PARTICULATE:
	6E-10
	(CONTROL RM)
	AIR BORNE:
	SEE TABLE
	9.10

REMARKS:



RG&E
GINNA STATION

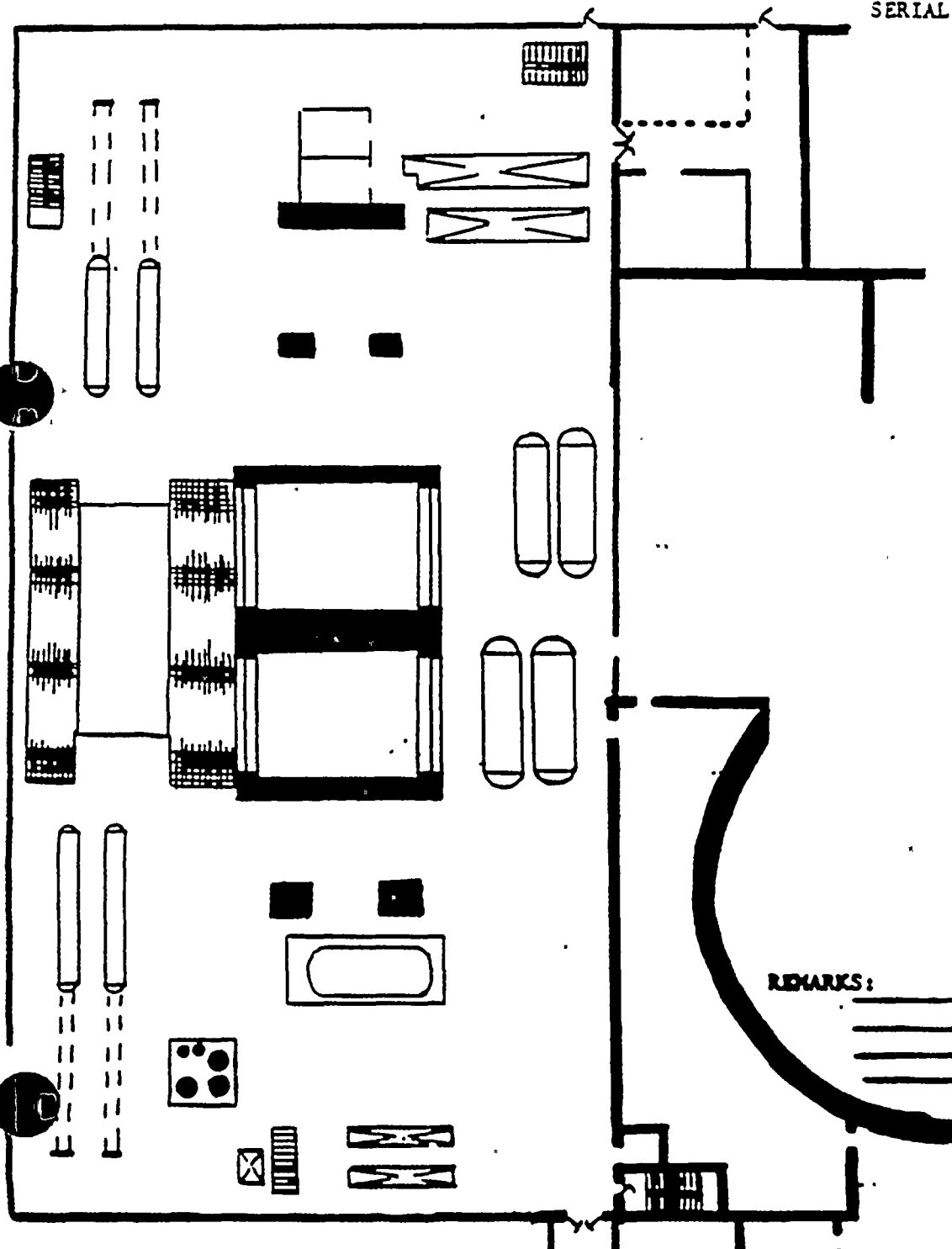
TURBINE BUILDING MEZZANINE FLOOR

SURVEY MAP

ALL AREAS < 0.1 MR/HR

NORTH
←

DATE: 9/11/91 TIME: 0645-1215
POWER: BY:
INSTRUMENT:
SERIAL #:



SMEARS

#	DPM/100 cm ²
	ALL AREAS
	< 500
	AIRBORNE:
	(MC/CC)
	IODINE:
	3E-10
	PARTICULATE:
	6E-10
	TSC:
	SEE TABLE
	9.10

REMARKS:

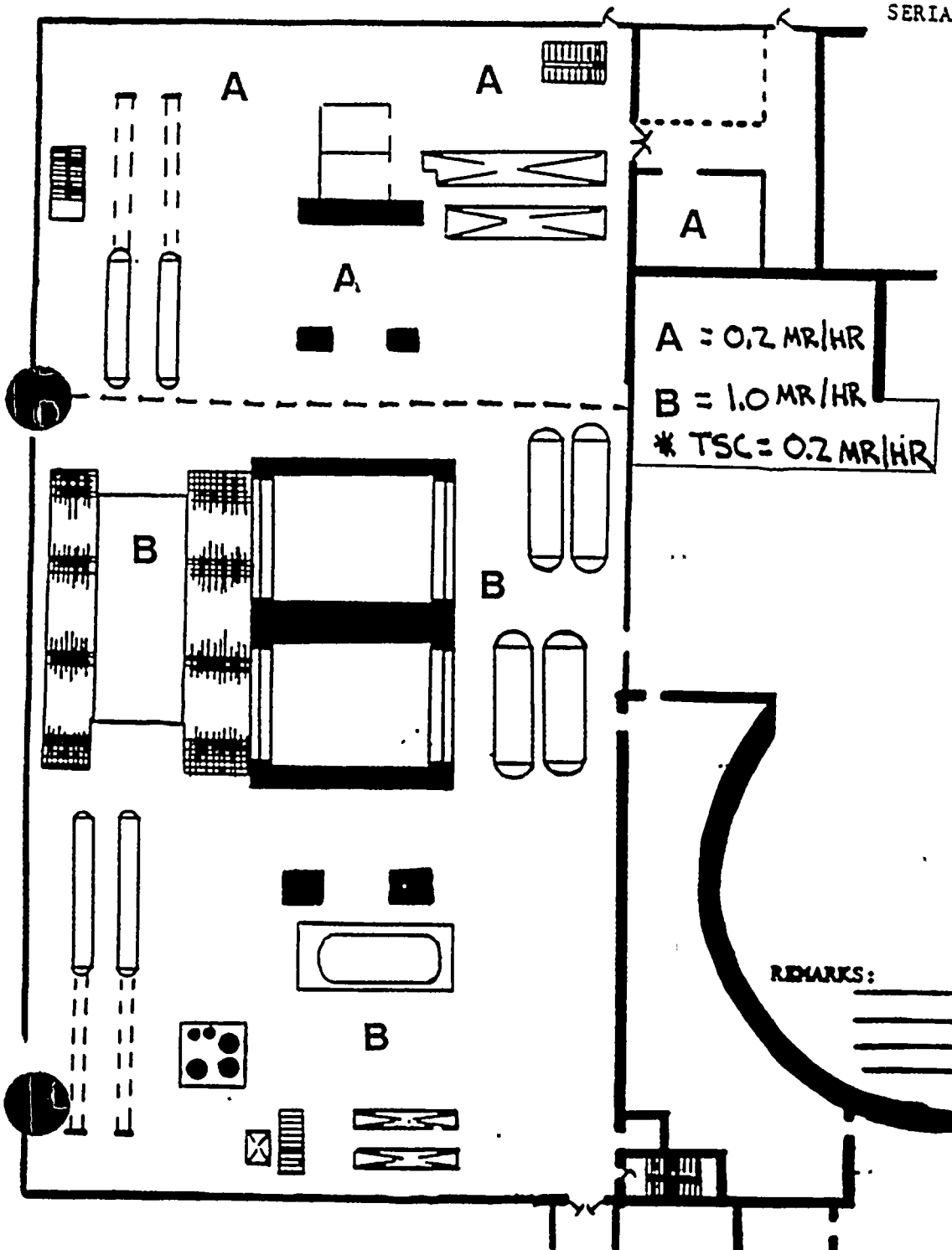
RG&E
GINNA STATION

TURBINE BUILDING MEZZANINE FLOOR

SURVEY MAP

← NORTH

DATE: 9/11/91 TIME: 1216-1345
POWER: _____ BY: _____
INSTRUMENT: _____
SERIAL #: _____



A = 0.2 MR/HR
B = 1.0 MR/HR
* TSC = 0.2 MR/HR

SMEARS

#	DPM/100 cm ²
	500-1000
	AIRBORNE:
	(mCi/cc)
	IONNE:
	12-8
	PARTICULATE
	2E-8
	TSC:
	SEE TABLE
	9.10

REMARKS:





RC&E
GINNA STATION

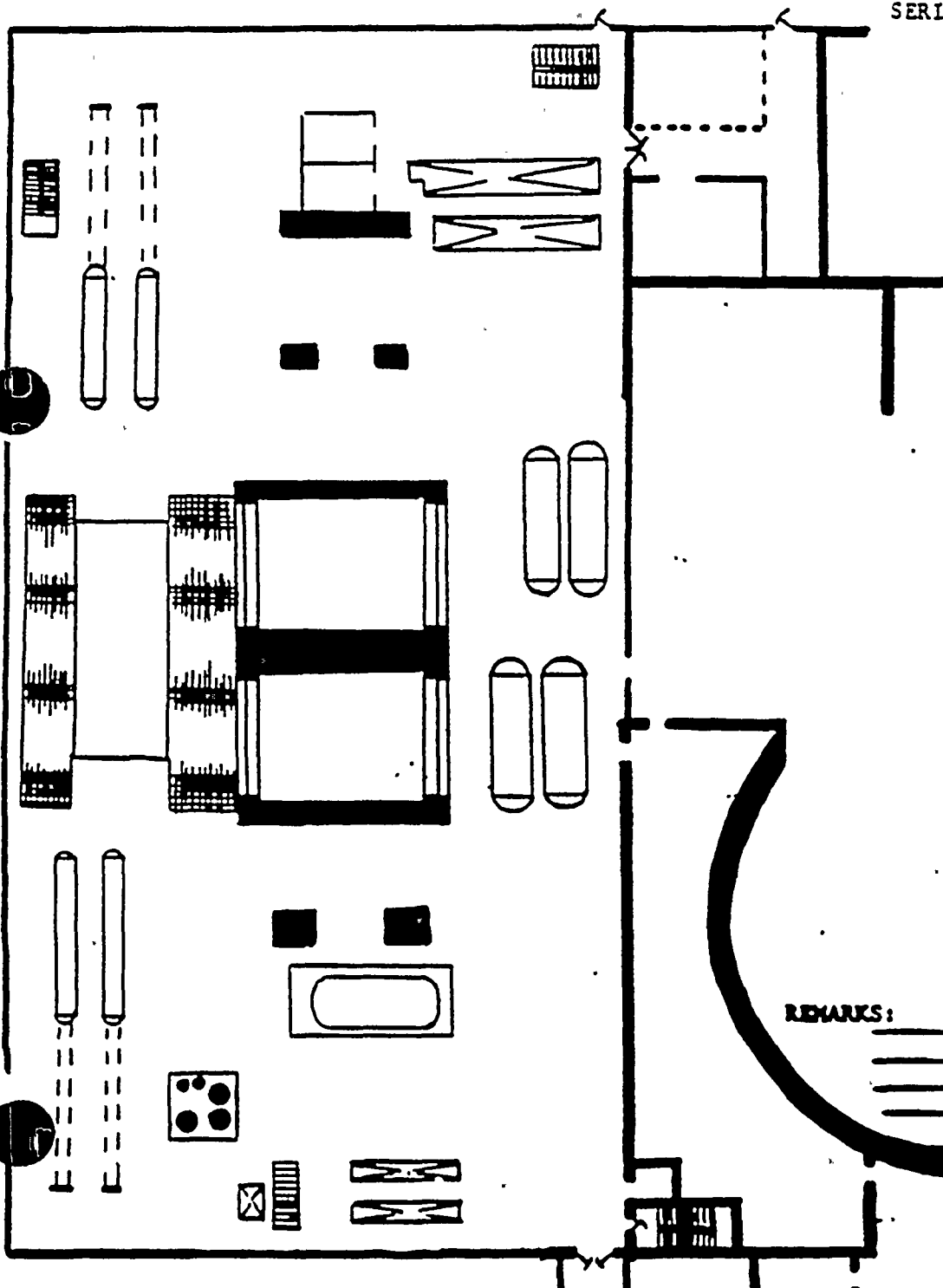
TURBINE BUILDING MEZZANINE FLOOR

SURVEY MAP

ALL AREAS < 0.1 MR/HR

NORTH
←

DATE: 9/11/91 TIME: 1346-1630
POWER: BY:
INSTRUMENT:
SERIAL #:



SHEARS	
#	DPM/100 cm ²
	ALL AREAS
	< 500
	AIRBORNE:
	(uCi/cc)
	TODINE:
	3E-10
	PARTICULATE:
	6E-10
	TSC:
	SEE TABLE
	9.10

REMARKS:



RG&E
GINNA STATION
TURBINE BUILDING BASEMENT FLOOR
SURVEY MAP

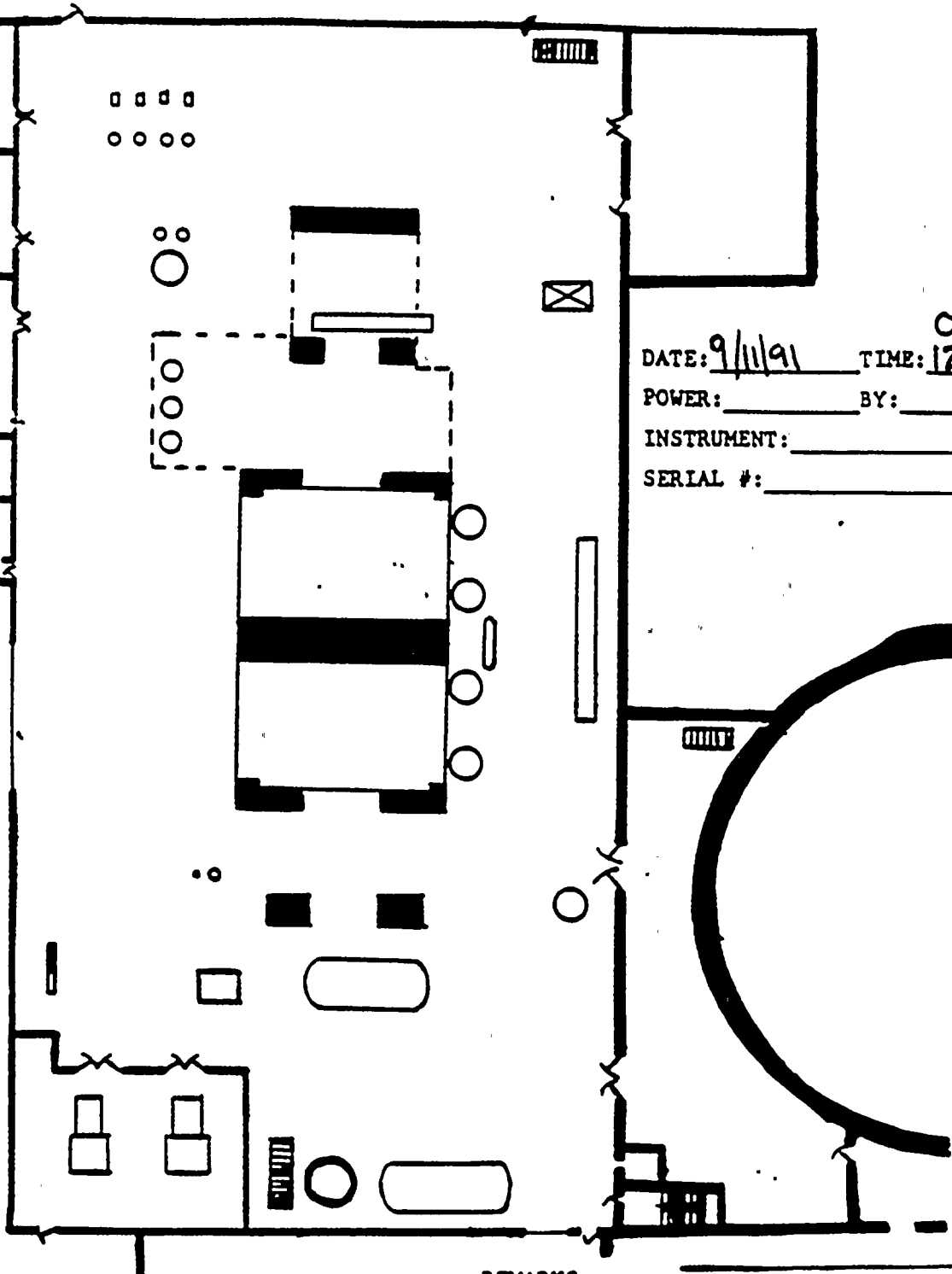
ALL AREAS < 0.1 MR/HR

NORTH

DATE: 9/11/91 TIME: 0645-1215
 POWER: _____ BY: _____
 INSTRUMENT: _____
 SERIAL #: _____

SMEARS

#	DPM/100 cm ²
	ALL AREAS
	< 500
	AIRBORNE
	(MCI/GC)
	TOPDINE:
	SE-10
	PARTICULATE:
	GE-10

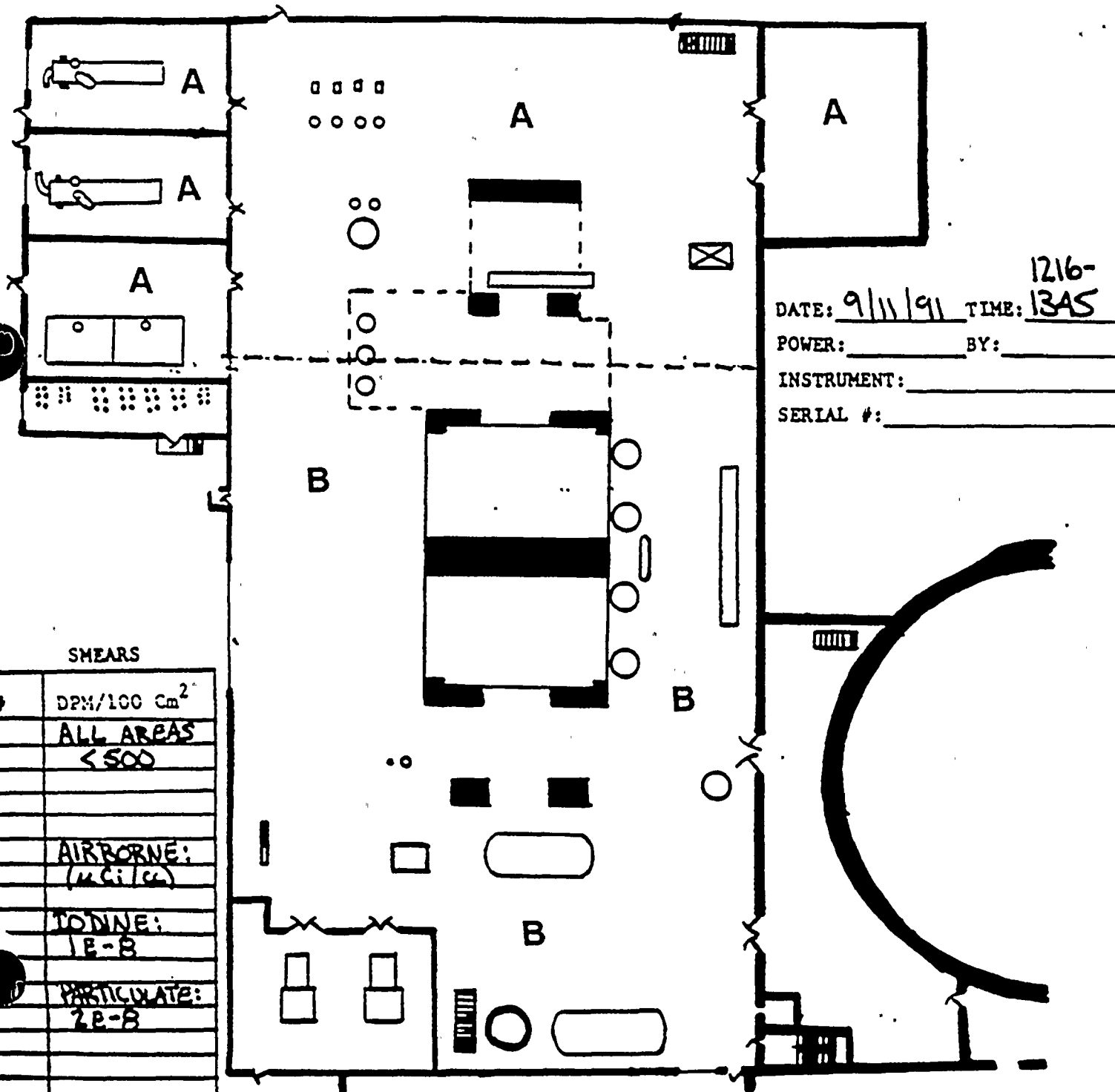


REMARKS: _____

TURBINE BUILDING BASEMENT FLOOR

$$A = 0.2 \text{ MR/HR}$$
$$B = 1.0 \text{ MR/HR}$$

NORTH



DATE: 9/11/91 TIME: 1216-1345
POWER: _____ BY: _____
INSTRUMENT: _____
SERIAL #: _____

SMEARS	
1	DPM/100 cm ²
	ALL AREAS
	< 500
	AIRBORNE:
	(μCi/cc)
	TONNE:
	1E-8
	PARTICULATE:
	2E-8

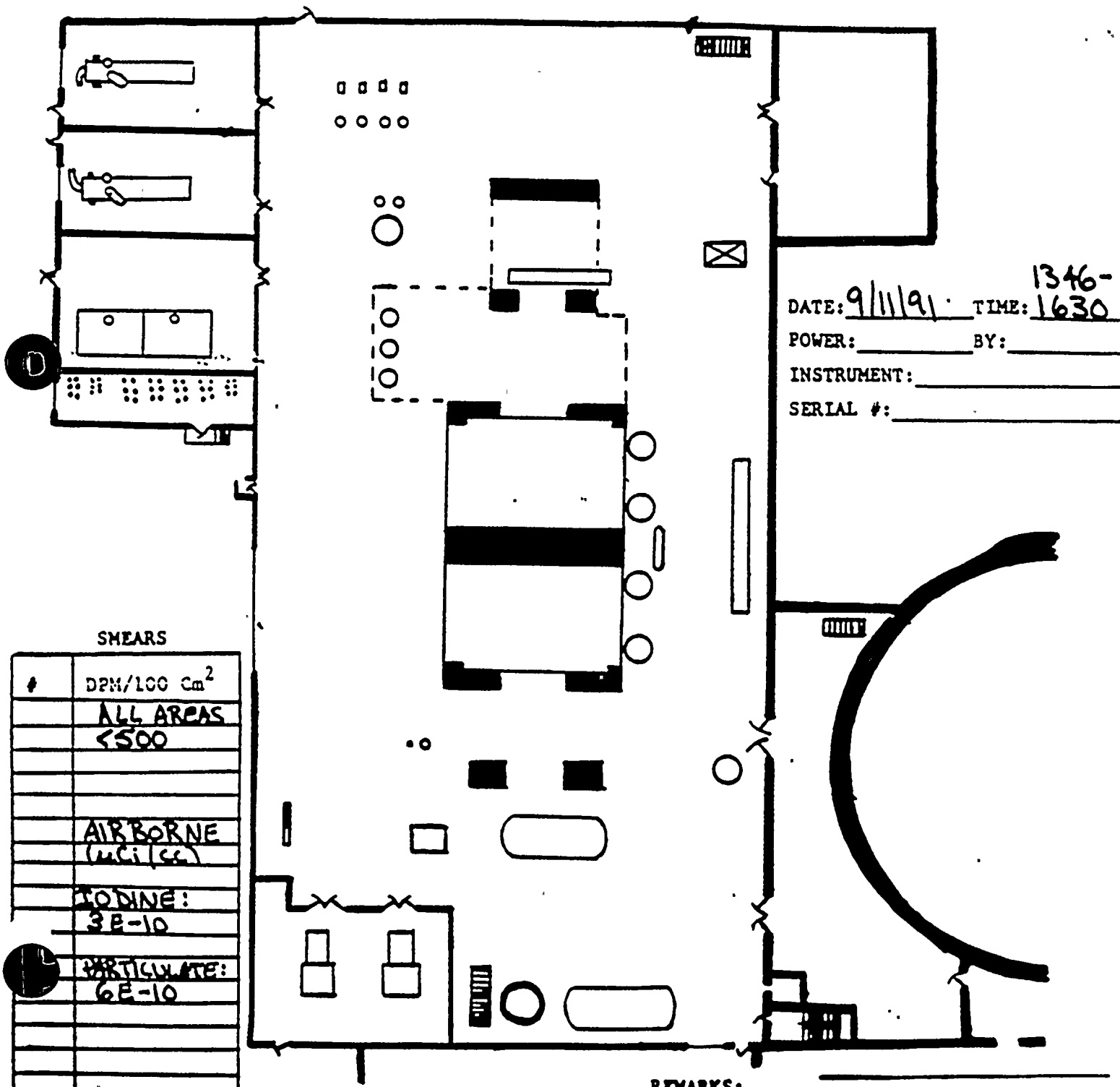
REMARKS:



RG&E
GINNA STATION
TURBINE BUILDING BASEMENT FLOOR
SURVEY MAP

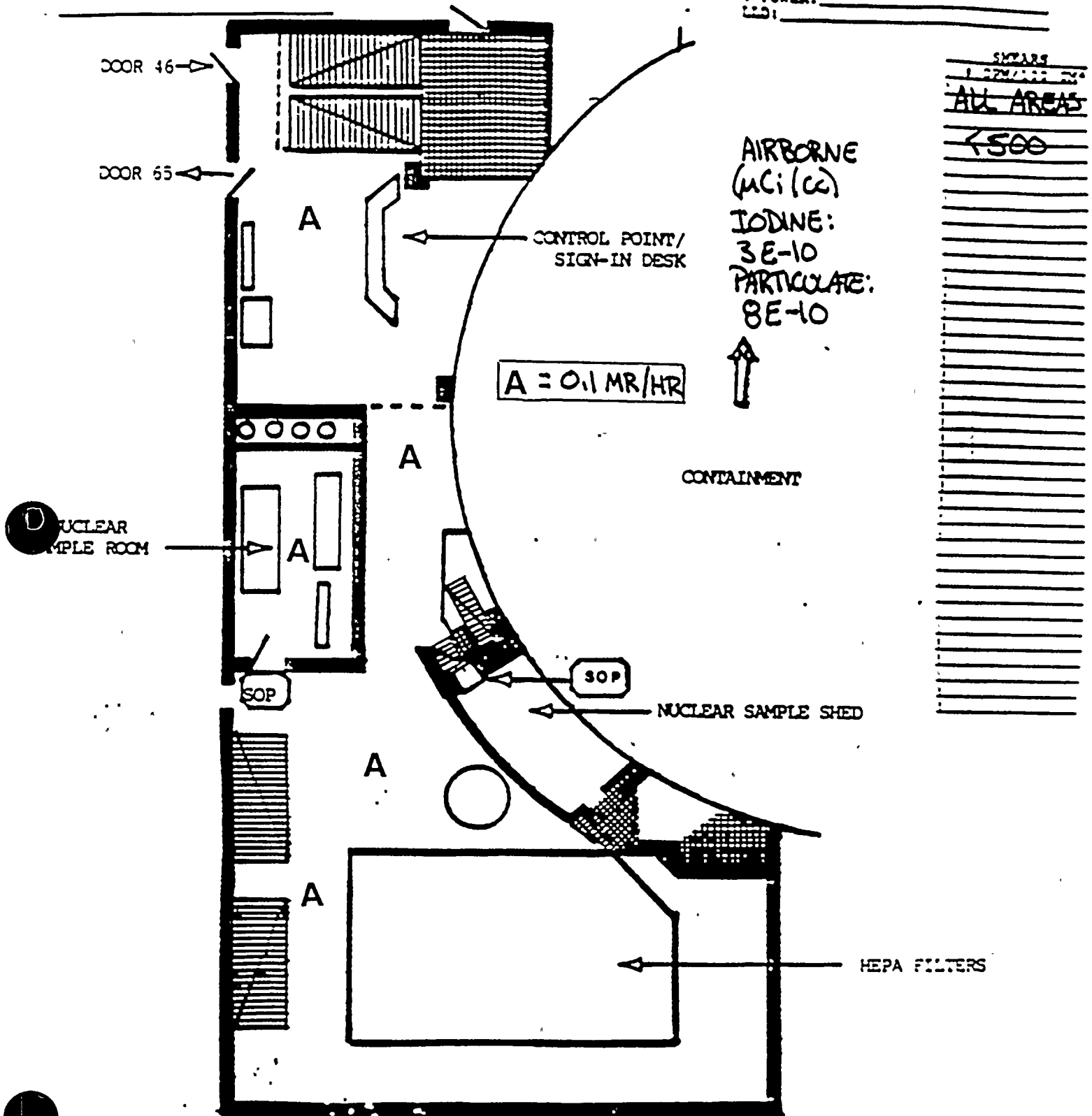
ALL AREAS < 0.1 MR/HR

← NORTH



INTERMEDIATE BLDG SOUTH
MEZZANINE LEVEL

SURVEYED BY: _____
COUNTING INSTRUMENT: _____
SERIAL NUMBER: _____
V POWER: _____
LSD: _____



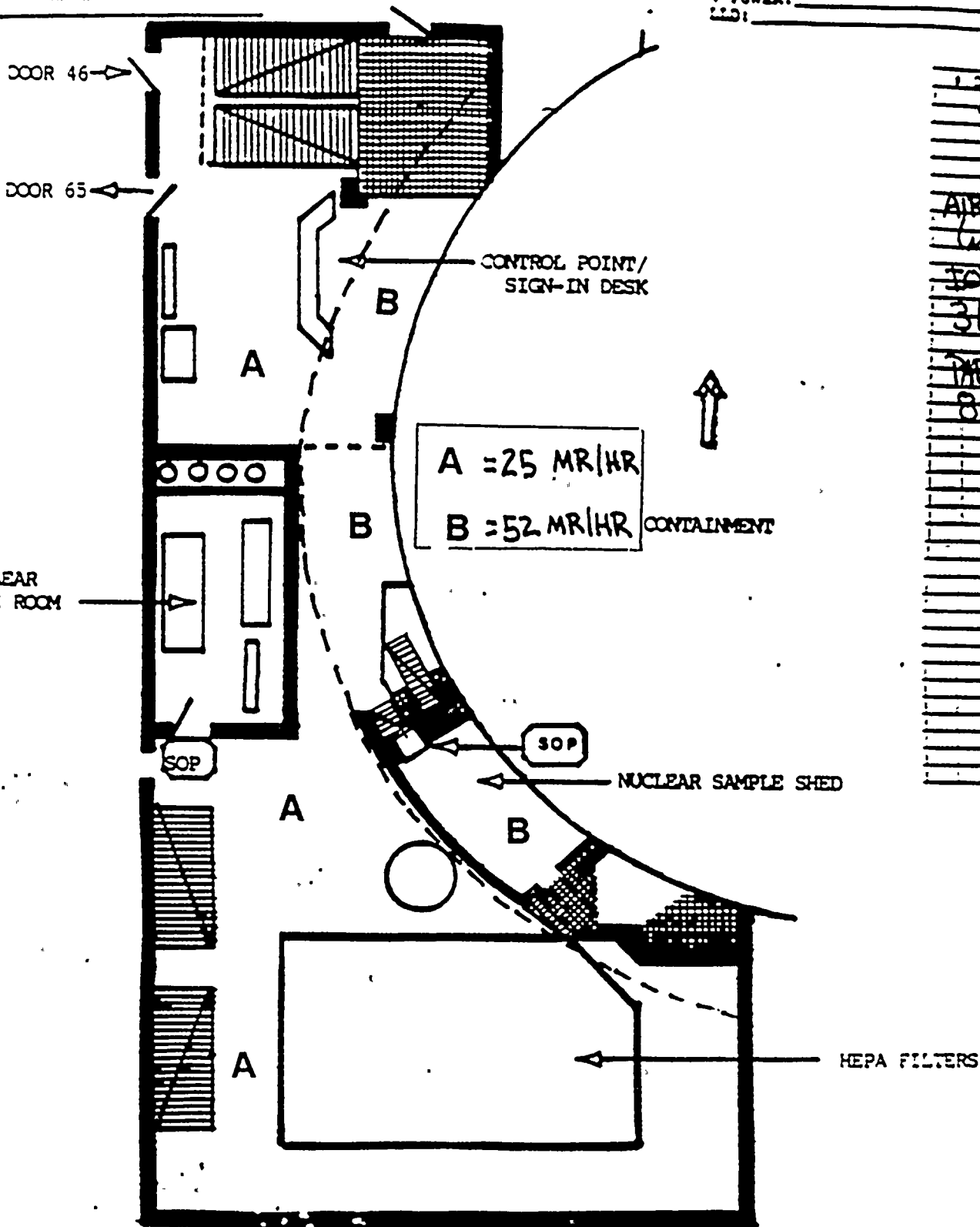
ALL HEADINGS IN NR/IR UNLESS OTHERWISE NOTED

ROCHESTER GAS AND ELECTRIC
GINNA STATION

INTERMEDIATE BLDG SOUTH
MEZZANINE LEVEL

DATE: 9/11/91 TIME: 1131-1215
SURVEY INSTRUMENT: _____
SERIAL NUMBER: _____
REMARKS: _____

SURVEYED BY: _____
COUNTING INSTRUMENT: _____
SERIAL NUMBER: _____
% POWER: _____
LED: _____



SHEARS
1. 25/100 IN
ALL AREAS
2500
AIRBORNE:
(6/12)
DODING:
3E-10
PARTICULAR
8E-10

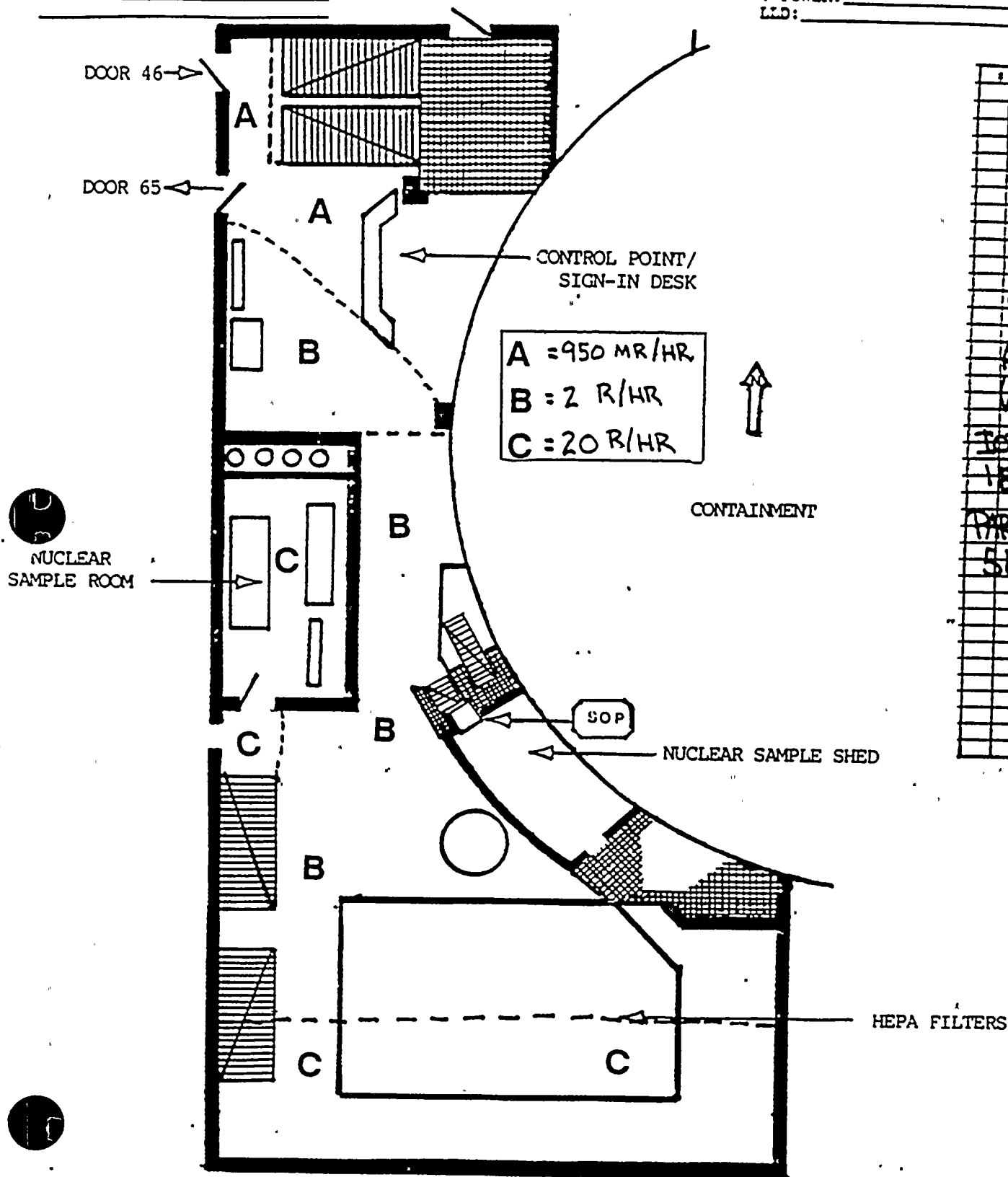
ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED

ROCHESTER GAS AND ELECTRIC GINNA STATION

INTERMEDIATE BLDG SOUTH
MEZZANINE LEVEL

DATE: 9/11/91 TIME: 1216-1345
RVEY INSTRUMENT: _____
SERIAL NUMBER: _____
REMARKS: _____

SURVEYED BY: _____
COUNTING INSTRUMENT: _____
SERIAL NUMBER: _____
POWER: _____
LLD: _____



SHEARS	
102M/100	SV
AREA C:	
2000	
AREAS	
A & B:	
800-1000	
AIRBORNE	
(uCi/cc)	
TDONE:	
1E-8	
PARTICULATE:	
5E-8	

ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED

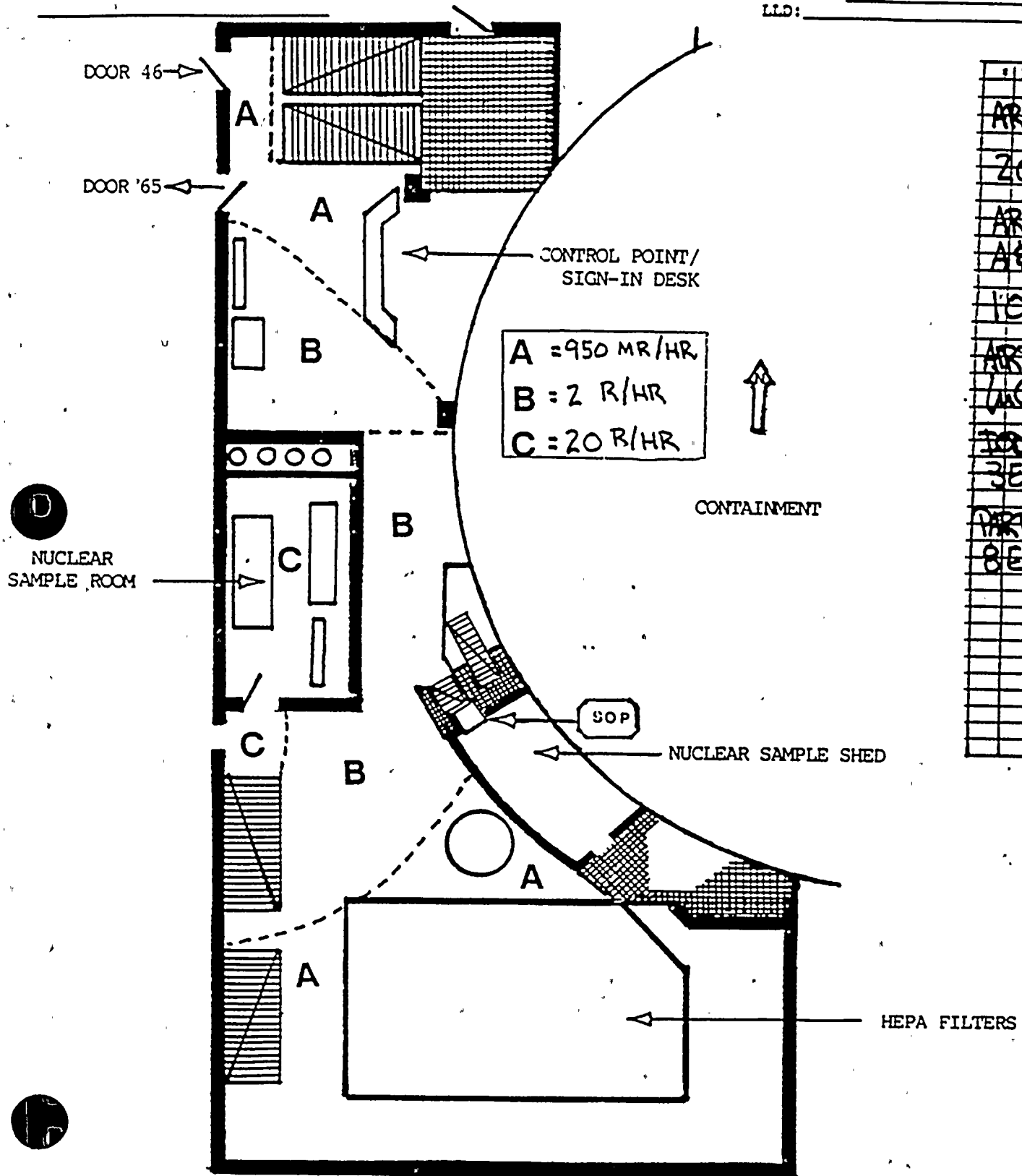


ROCHESTER GAS AND ELECTRIC
GINNA STATION

INTERMEDIATE BLDG SOUTH
MEZZANINE LEVEL

DATE: 9/11/91 TIME: 1346-1530
RVEY INSTRUMENT: _____
SERIAL NUMBER: _____
REMARKS: _____

SURVEYED BY: _____
COUNTING INSTRUMENT: _____
SERIAL NUMBER: _____
POWER: _____
LLD: _____



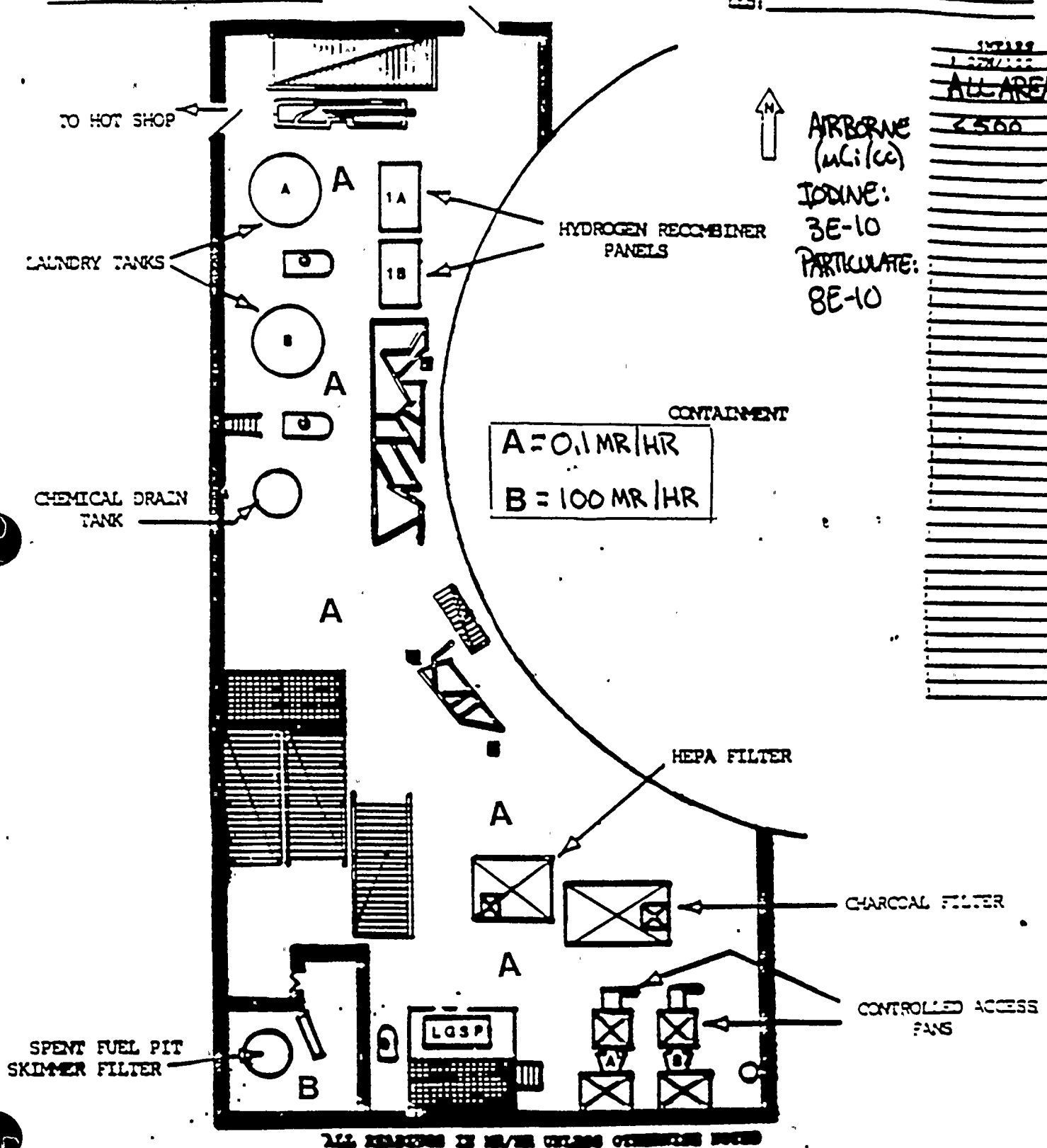
SHEARS	
#12PM/1992	BY
AREA C:	
2000	
AREAS	
A&B:	
1000	
AIRBORNE	
1/61/62	
DOING:	
3E-10	
PARTICULATE:	
8E-10	

ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED



DATE: 9/11/91 TIME: 0645-1130
SURVEY INSTRUMENT: _____
SERIAL NUMBER: _____
REMARKS: _____

SURVEYED BY: _____
 COORDINATING INSTRUCTOR: _____
 SERIAL NUMBER: _____
 & POWER: _____
 L.S.D: _____

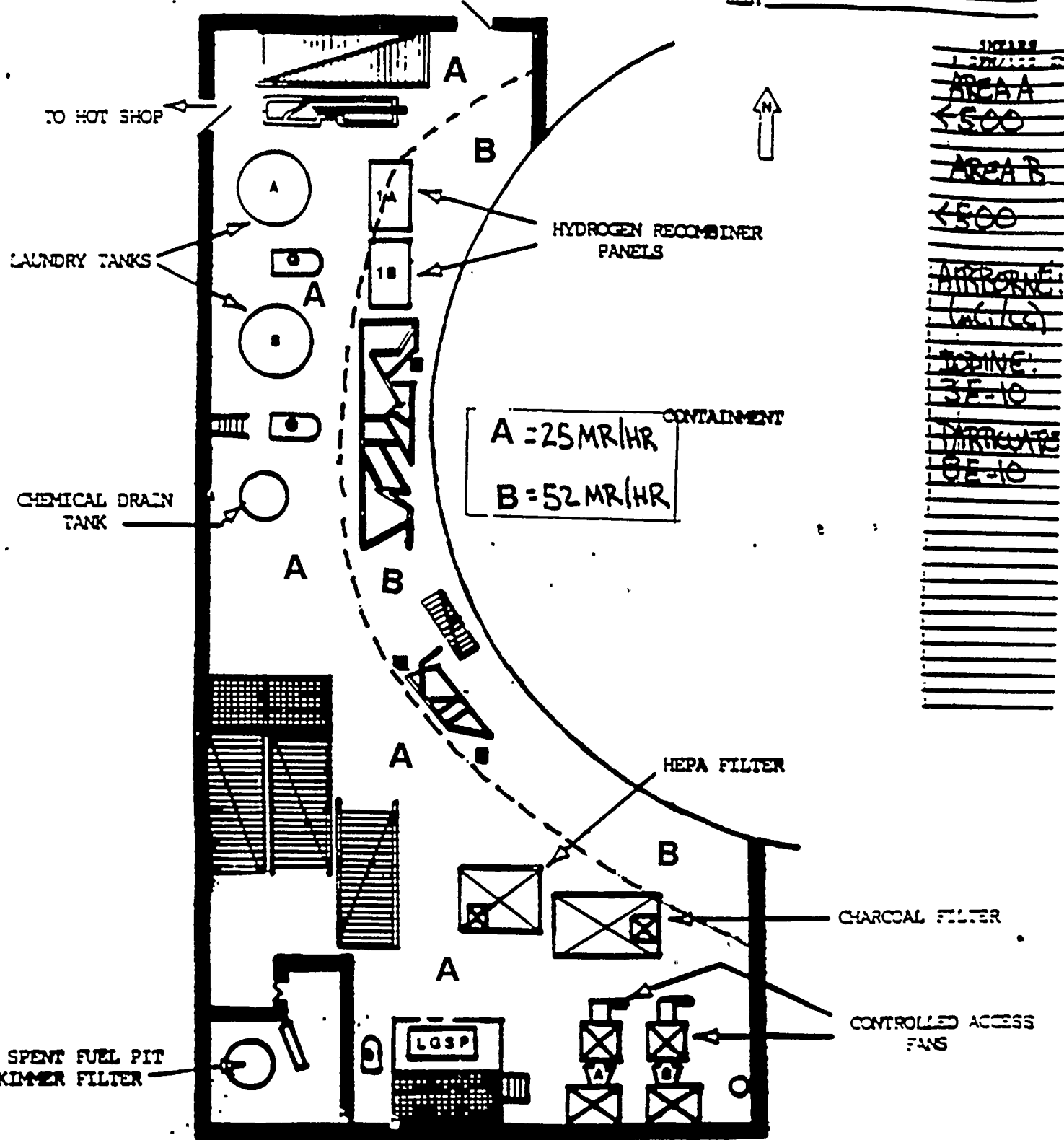




GINNA STATION
INTERMEDIATE BLDG SOUTH
BASEMENT LEVEL

DATE: 9/11/91 TIME: 1215
SURVEY INSTRUMENT:
SERIAL NUMBER:
REMARKS:

SURVEYED BY:
COUNTING INSTRUMENT:
SERIAL NUMBER:
POWER:
LSD:



ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED

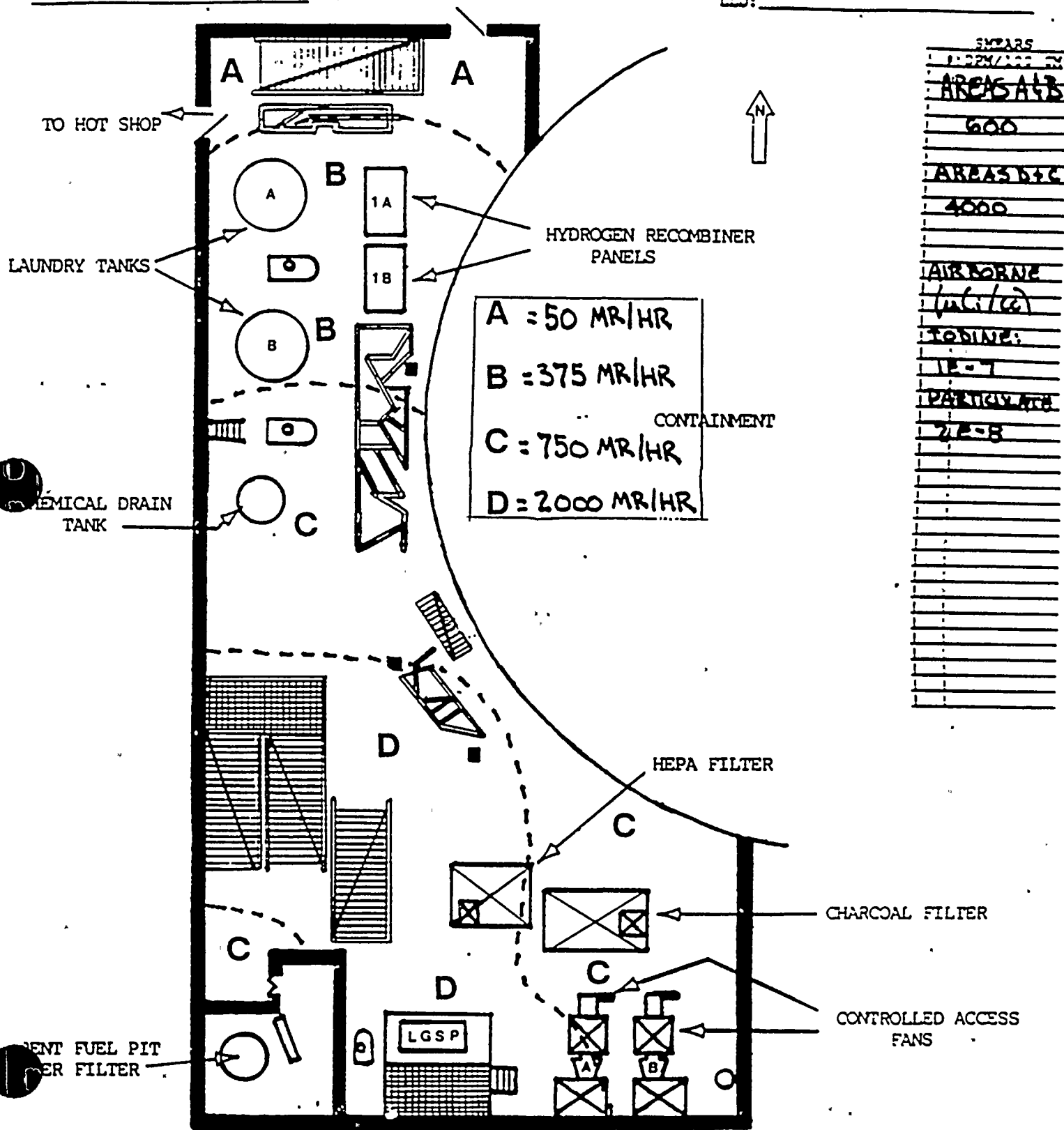
SHEET	1-20/100
AREA A	<500
AREA B	<500
APPROXIMATE	(inches)
TO DIVE	3E-10
TO DIVE	6E-10



ROCHESTER GAS AND ELECTRIC
GINNA STATION
INTERMEDIATE BLDG SOUTH
BASEMENT LEVEL

DATE: 9/11/91 TIME: 1216-
SURVEY INSTRUMENT: _____
SERIAL NUMBER: _____
REMARKS: _____

SURVEYED BY: _____
COUNTING INSTRUMENT: _____
SERIAL NUMBER: _____
% POWER: _____
LLD: _____



ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED



SURVEYED BY: _____
 COUNTING INSTRUMENT: _____
 SERIAL NUMBER: _____
 POWER: _____
 LLD: _____

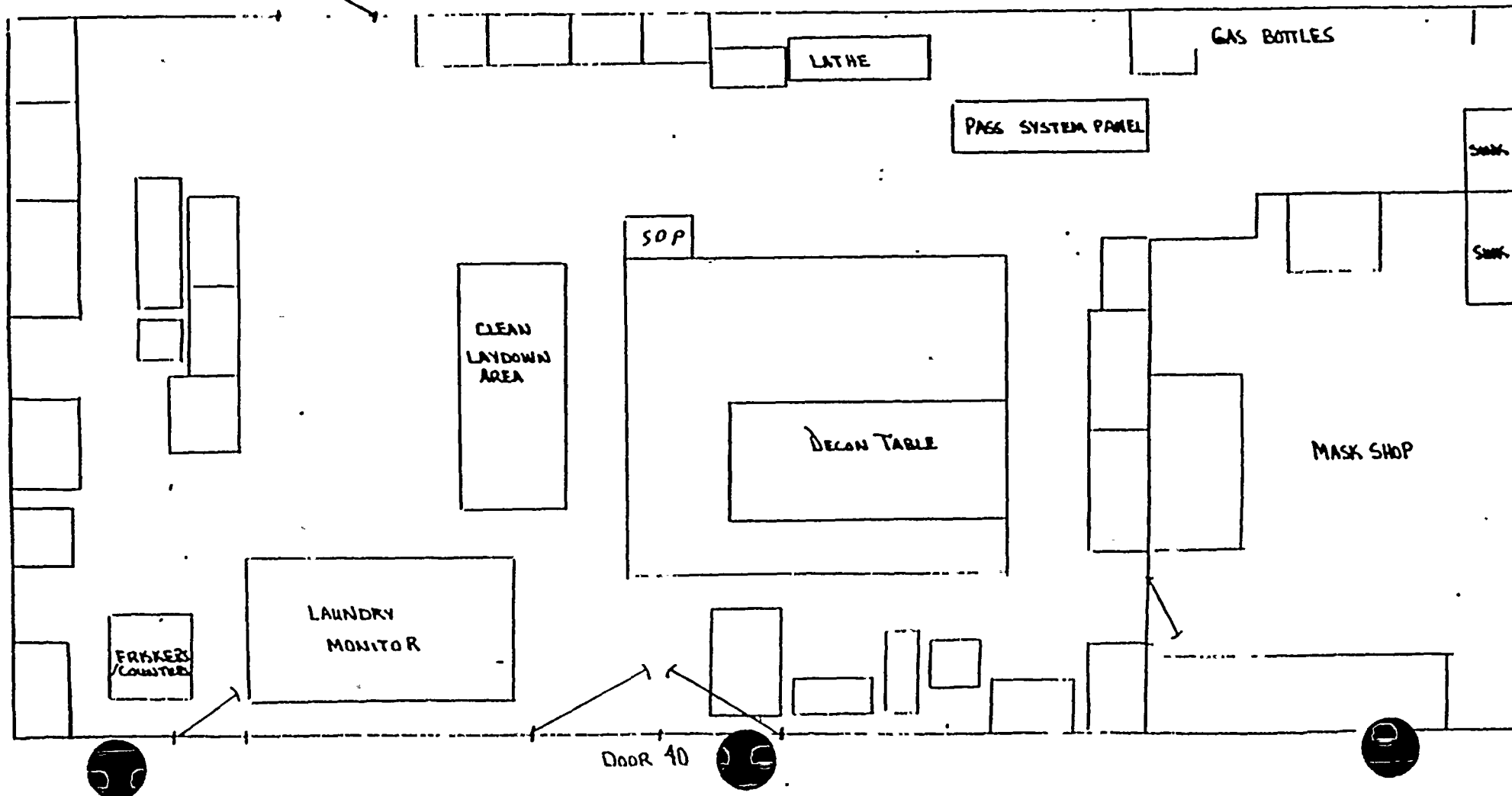
ROCHESTER GAS AND ELECTRIC
 GINNA STATION
 BLANK SURVEY MAP
 Intermediate South
 Hot Shop

DATE: 9/11/91 TIME: 1215
 SURVEY INSTRUMENT: _____
 SERIAL NUMBER: _____
 REMARKS: _____

ALL AREAS ARE
 LESS THAN 0.1 MR/HR

#IDPM/100 CM ²	LOCATION	#IDPM/100 CM ²	LOCATION	#IDPM/100 CM ²	LOCATION
ALL AREAS		AIRBORNE			
<500		(MCI/CC)			
		IODINE:	PARTICULATE:		
		3E-10	8E-10		

ALL READINGS ARE IN MR/HR



SURVEYED BY: _____
 COUNTING INSTRUMENT: _____
 SERIAL NUMBER: _____
 POWER: _____
 ELD: _____

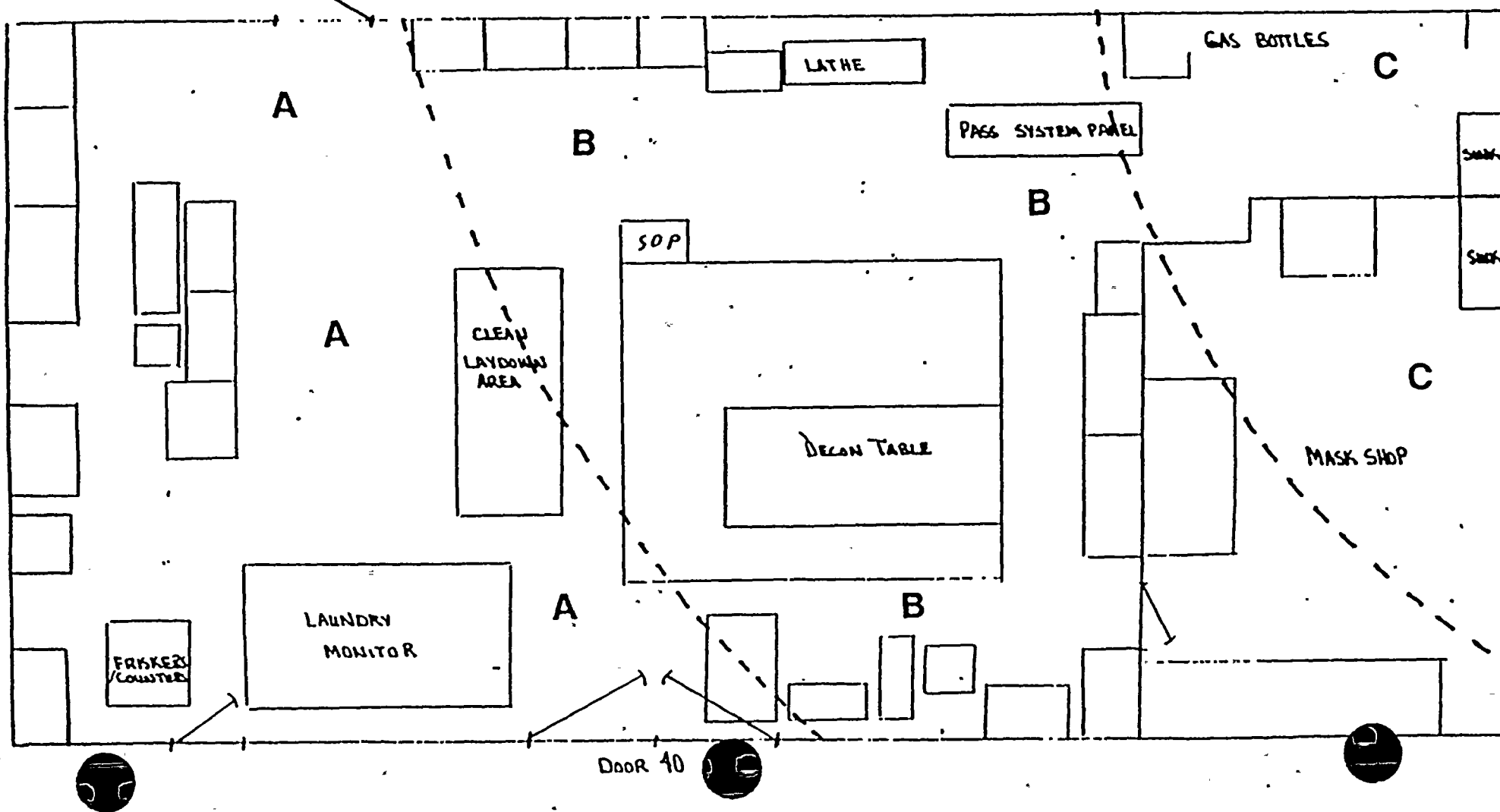
ROCHESTER GAS AND ELECTRIC
 GINNA STATION
 BLANK SURVEY MAP
 Intermediate South
 Hot Shop

DATE: 9/11/91 TIME: 1630
 SURVEY INSTRUMENT: _____
 SERIAL NUMBER: _____
 REMARKS: _____

A = 5 MR/HR
 B = 38 MR/HR
 C = 75 MR/HR

#IDPH/100 CH ²	LOCATION	#IDPH/100 CH ²	LOCATION	#IDPH/100 CH ²	LOCATION
600	AIRBORNE				
	(uCi/cc)				
	TOXINE:		PARTICULATE		
	IE-8		GE-8		

ALL READINGS ARE IN MR/HR





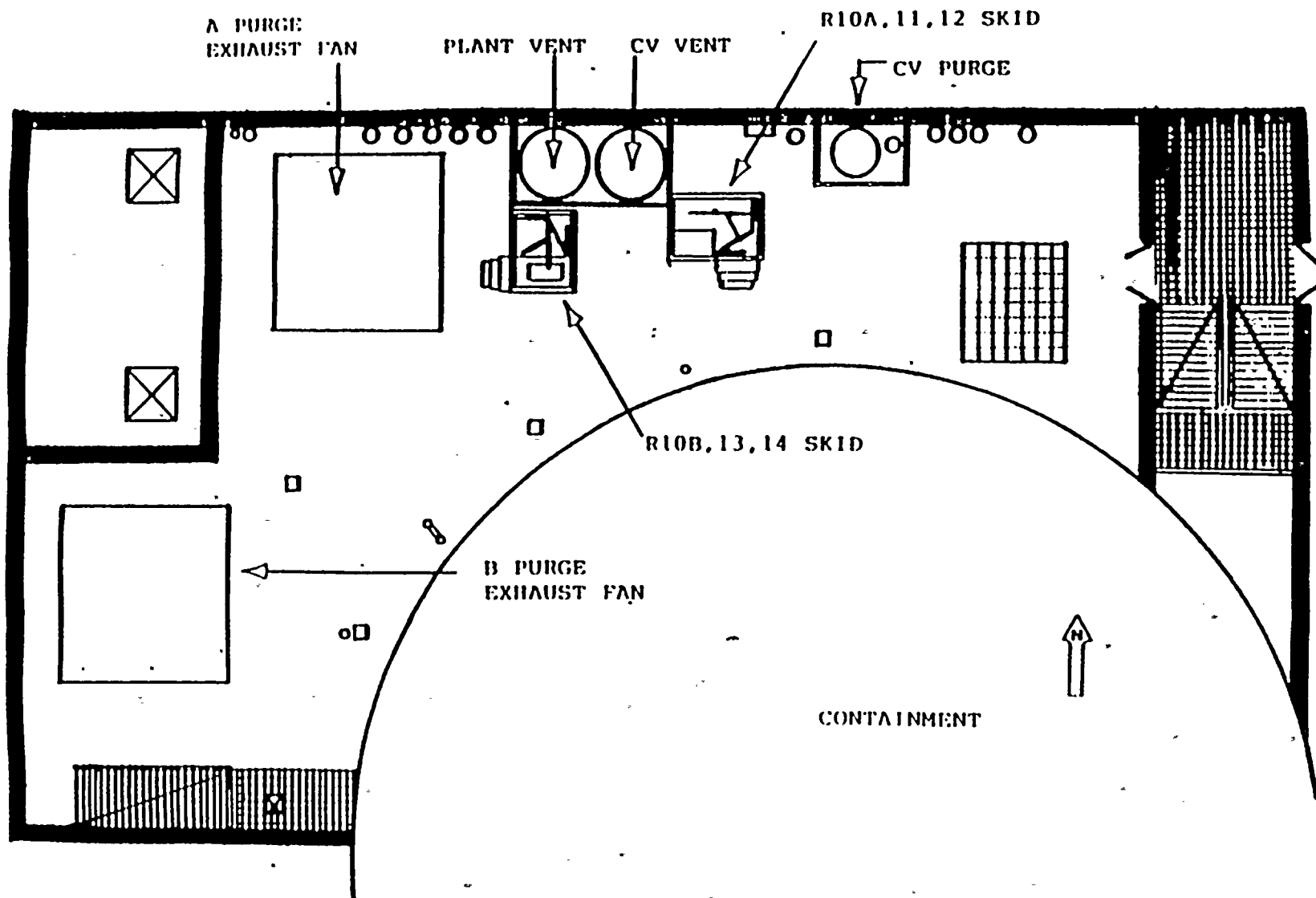
INTERMEDIATE BLDG NORTH
TOP LEVEL.

DATE: 9/11/91 TIME: 0645-1130
 SURVEY INSTRUMENT: _____
 SERIAL NUMBER: _____
 REMARKS: _____

ALL AREAS LESS THAN 0.1 MR / HR

ALL READINGS IN MR/MR UNLESS OTHERWISE NOTED

SURVEYED BY: _____
COUNTING INSTRUMENT: _____
SERIAL NUMBER: _____
B POWER: _____
LID: _____



SIDEWALL

BIDEN/100 CM

ALL AREAS

<500

AIRBORNE

(M/G/C)

TODAY

IE-10

PART

IE-10

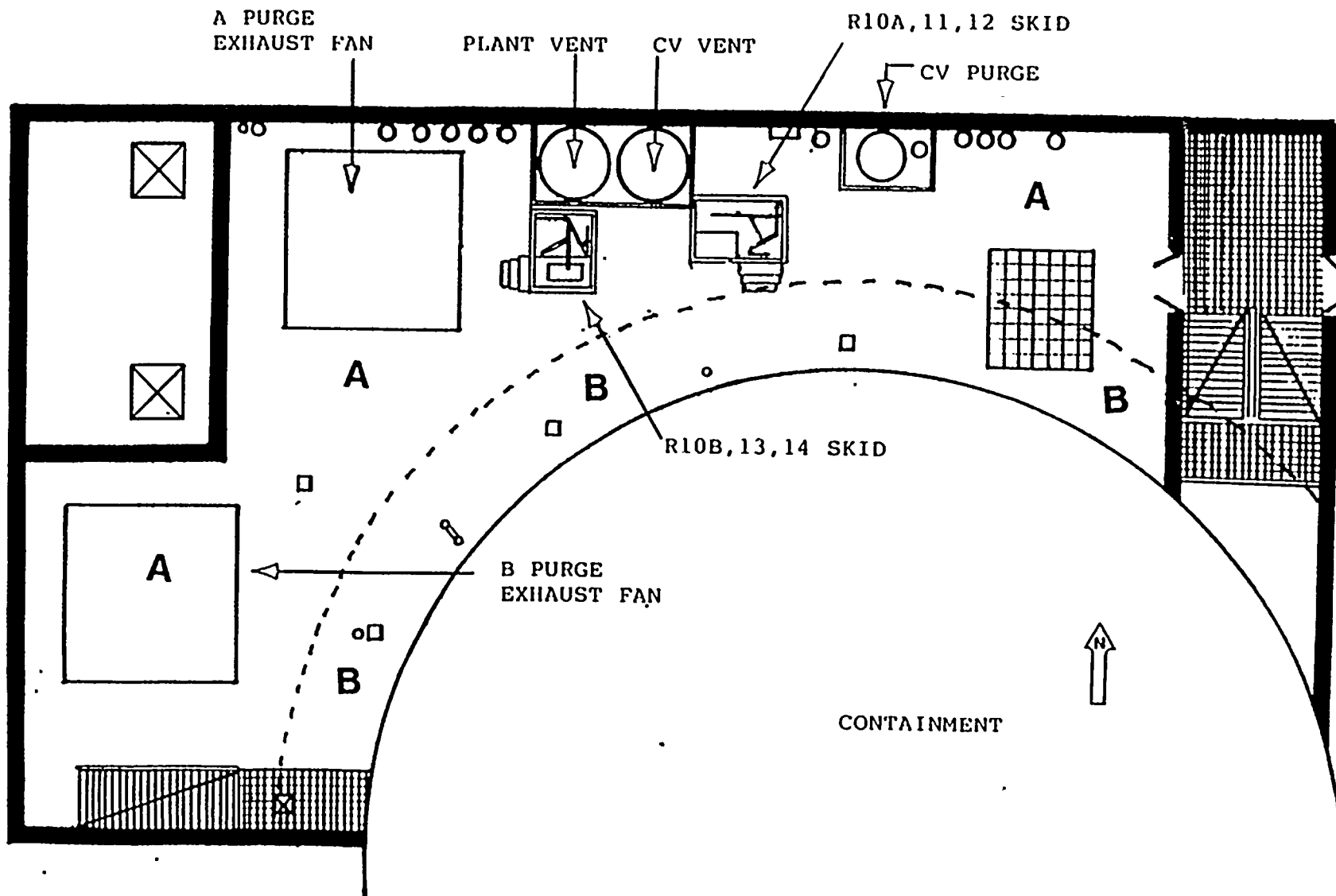


INTERMEDIATE BLDG NORTH
TOP LEVEL

$$B = 52 \text{ MR/HR}$$

ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED

SURVEYED BY: _____
COUNTING INSTRUMENT: _____
SERIAL NUMBER: _____
% POWER: _____
LID: _____



8MRABG
 #1 DPM/100 CM²
 ALL AREAS
 < 500
 AIRBORNE
 (M.G.I.)
 TODAY
 3E-10
 PART
 6E-10



ROCHESTER GAS AND ELECTRIC GINNA STATION

INTERMEDIATE BLDG NORTH
TOP LEVEL

DATE: 9/11/91 TIME: 1345
SURVEY INSTRUMENT: _____
SERIAL NUMBER: _____
REMARKS: _____

A = 25 MR/HR
B = 52 MR/HR
C = 200 MR/HR
D = 2200 MR/HR

ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED

SURVEYED BY: _____
COUNTING INSTRUMENT: _____
SERIAL NUMBER: _____
% POWER: _____
LLD: _____

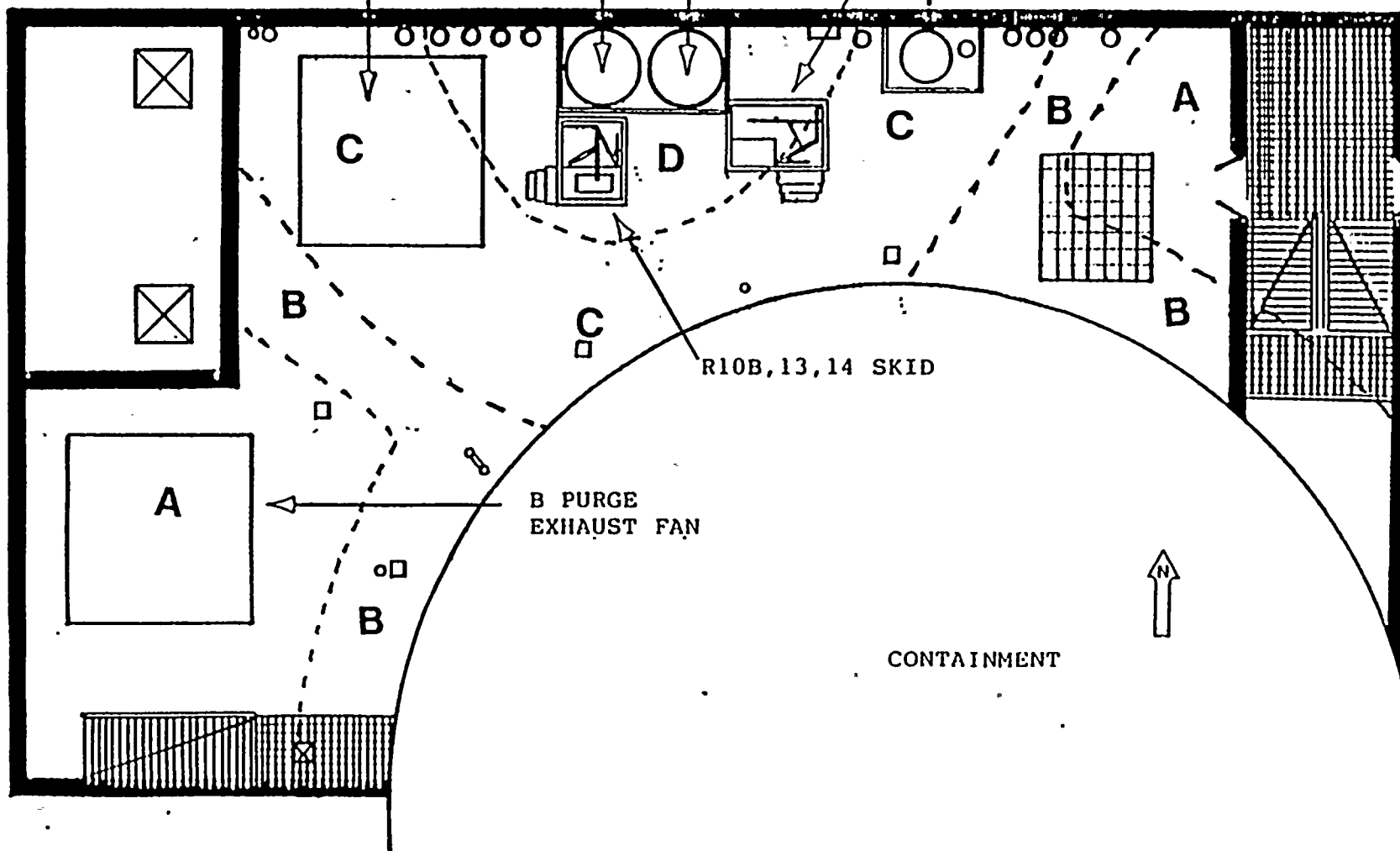
A PURGE
EXHAUST FAN

PLANT VENT

CV VENT

R10A, 11, 12 SKID

CV PURGE



8MEARS
81 DPM/100 CM ²
AREAS
C & D
1800
AREAS
A & B
700
AIRBORNE
(μCi/cc)
TOTAL
1E-7
PART:
1E-5

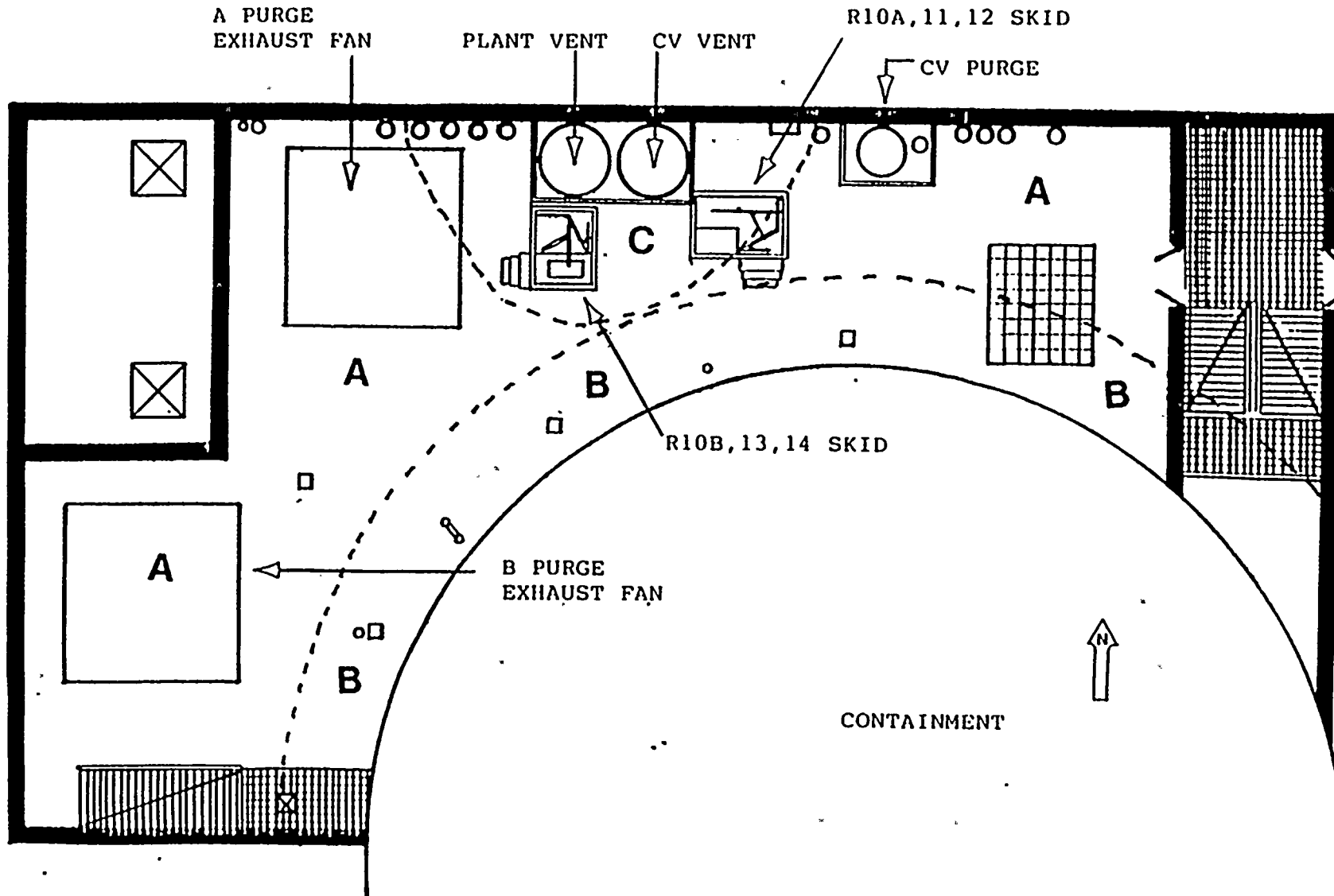
ROCHESTER GAS AND ELECTRIC
GINNA STATION
INTERMEDIATE BLDG NORTH
TOP LEVEL.

DATE: 9/11/91 TIME: 1346-1630
SURVEY INSTRUMENT: _____
SERIAL NUMBER: _____
REMARKS: _____

A = 25 MR/HR
B = 52 MR/HR
C = 55 MR/HR

ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED

SURVEYED BY: _____
COUNTING INSTRUMENT: _____
SERIAL NUMBER: _____
% POWER: _____
LLD: _____

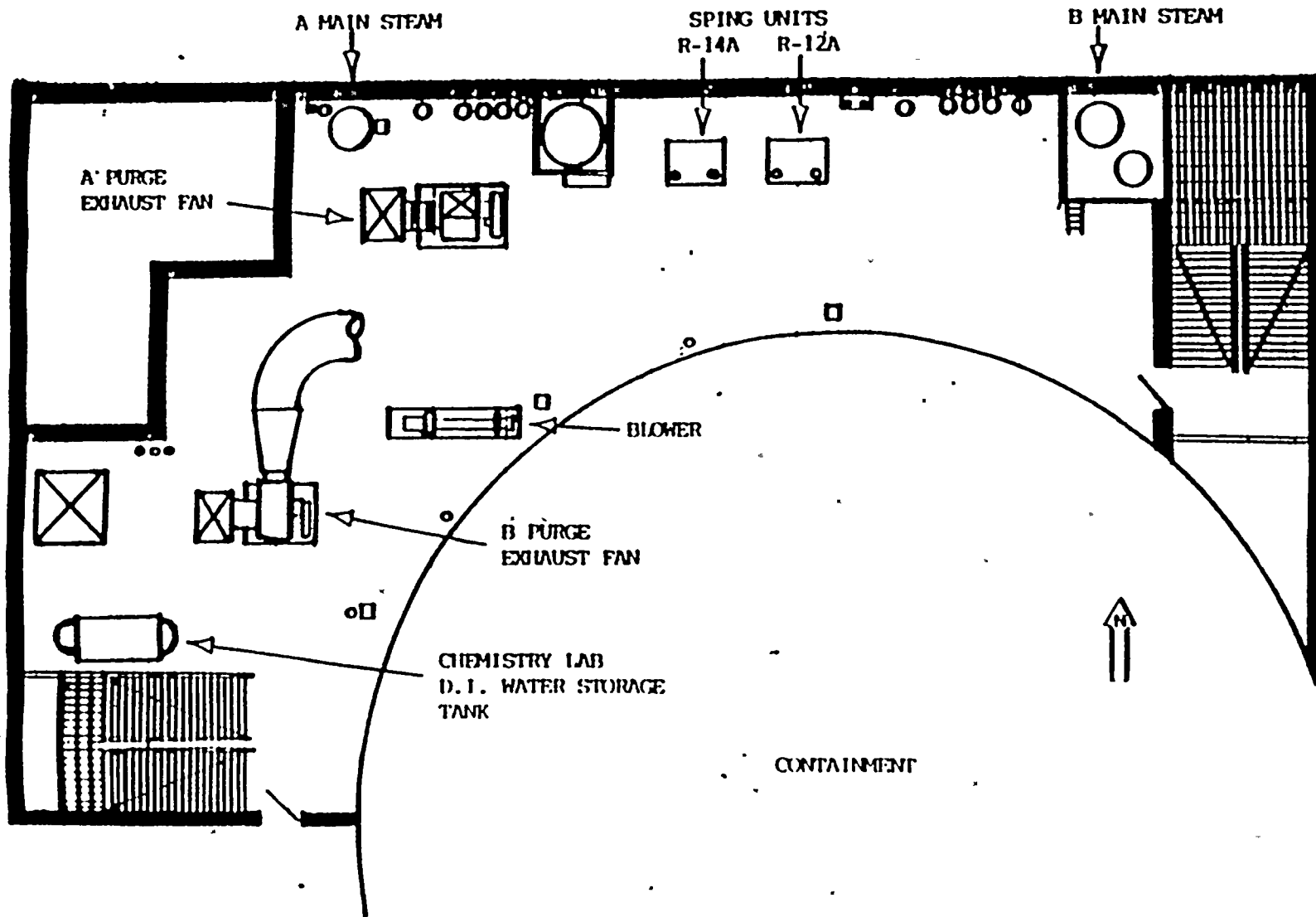


SMears
81DPH/100 CM ²
AREA C
10,000
AREA A
A+B
1000-2000
AIRBORNE
(uCi/cc)
DOSE:
1E-8
WRT:
2E-8



ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED

SURVEYED BY: _____
COUNTING INSTRUMENT: _____
SERIAL NUMBER: _____
B POWER: _____
LID: _____



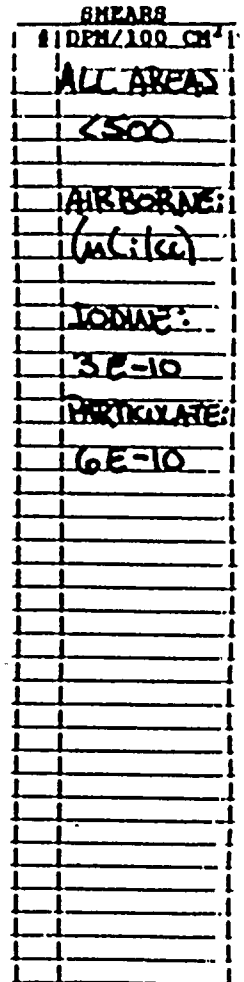
URGENT
AIRTEL/100 CH
ALL AREAS
Z500
AIRBORNE
(in/100)
TODAY:
3E-10
PARTIAL
6E-10



DATE: 9/11/91 TIME: 1131-1215
SURVEY INSTRUMENT: _____
SERIAL NUMBER: _____
REMARKS: _____

$$B = 52 \text{ MR/HR}$$

SURVEYED BY: _____
COUNTING INSTRUMENT: _____
SERIAL NUMBER: _____
POWER: _____
LLD: _____





ROCHESTER GAS AND ELECTRIC
GINNA STATION
INTERMEDIATE BLDG NORTH
OPERATING LEVEL

DATE: 9/11/91 TIME: 1216-1345
SURVEY INSTRUMENT: _____
SERIAL NUMBER: _____
REMARKS: _____

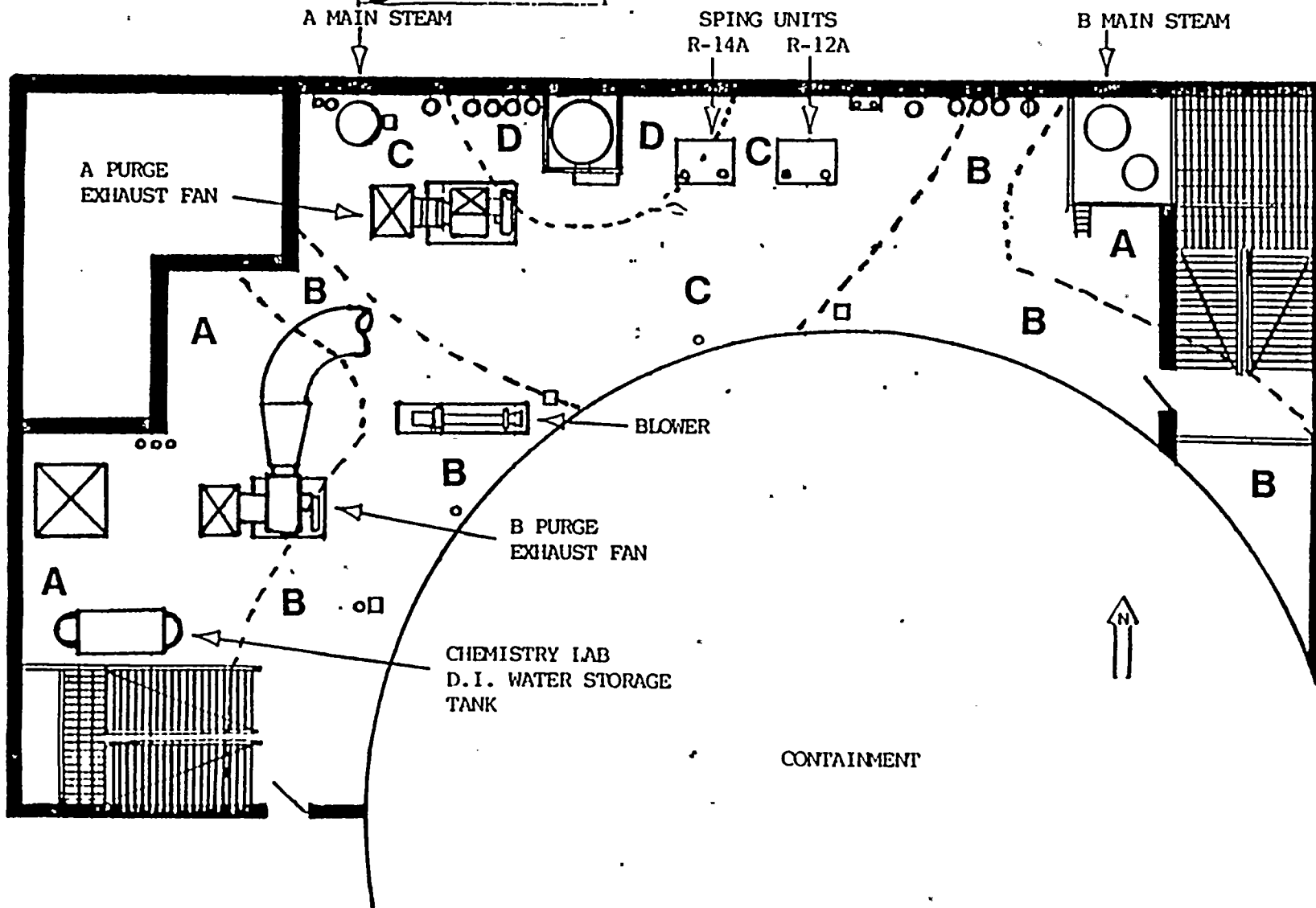
$$A = 25 \text{ MR/HR}$$

B = 52 MR / HR

$$C = 200 \text{ MR/HR}^{\text{AL}}$$
$$D = 2200 \text{ MR/HR}$$

READINGS IN MR/HR UNLESS OTHERWISE NOTED

SURVEYED BY: _____
COUNTING INSTRUMENT: _____
SERIAL NUMBER: _____
% POWER: _____
LID: _____



SHEARS
 # DEM/100 CM²
 AREAS
 C+D
 1800
 AREAS
 A+B
 100
 AIRBORNE
 (u/l/a)
 TOWING:
 12-7
 PARTICULATE
 12-5



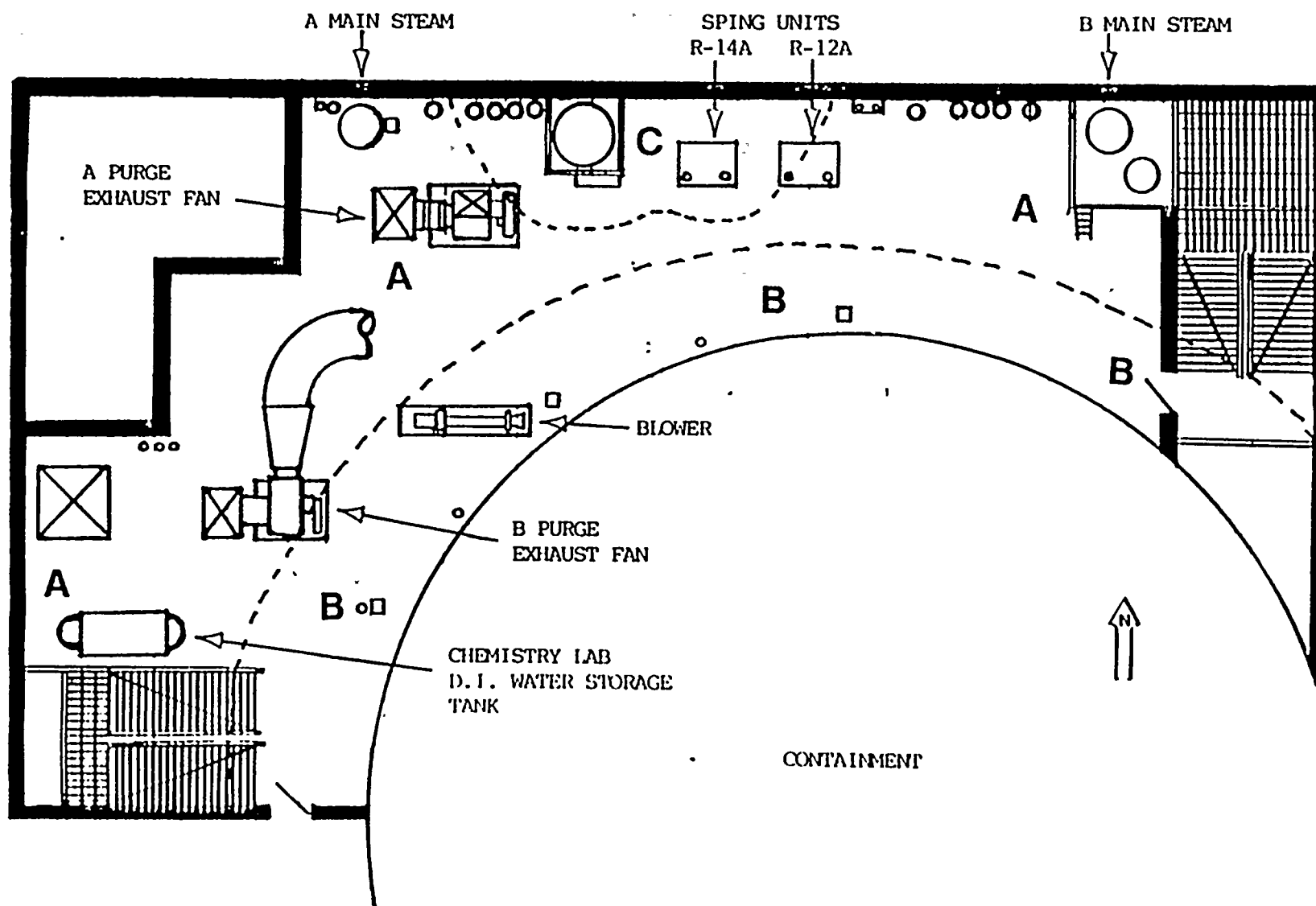
ROCHESTER GAS AND ELECTRIC
GINNA STATION
INTERMEDIATE BLDG NORTH
OPERATING LEVEL

DATE: 9/11/91 TIME: 1346-1630
SURVEY INSTRUMENT: _____
SERIAL NUMBER: _____
REMARKS: _____

$$A = 25 \text{ MR/HR}$$
$$B = 52 \text{ MR/HR}$$
$$C = 55 \text{ MR/HR}$$

ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED

SURVEYED BY: _____
COUNTING INSTRUMENT: _____
SERIAL NUMBER: _____
% POWER: _____
LID: _____



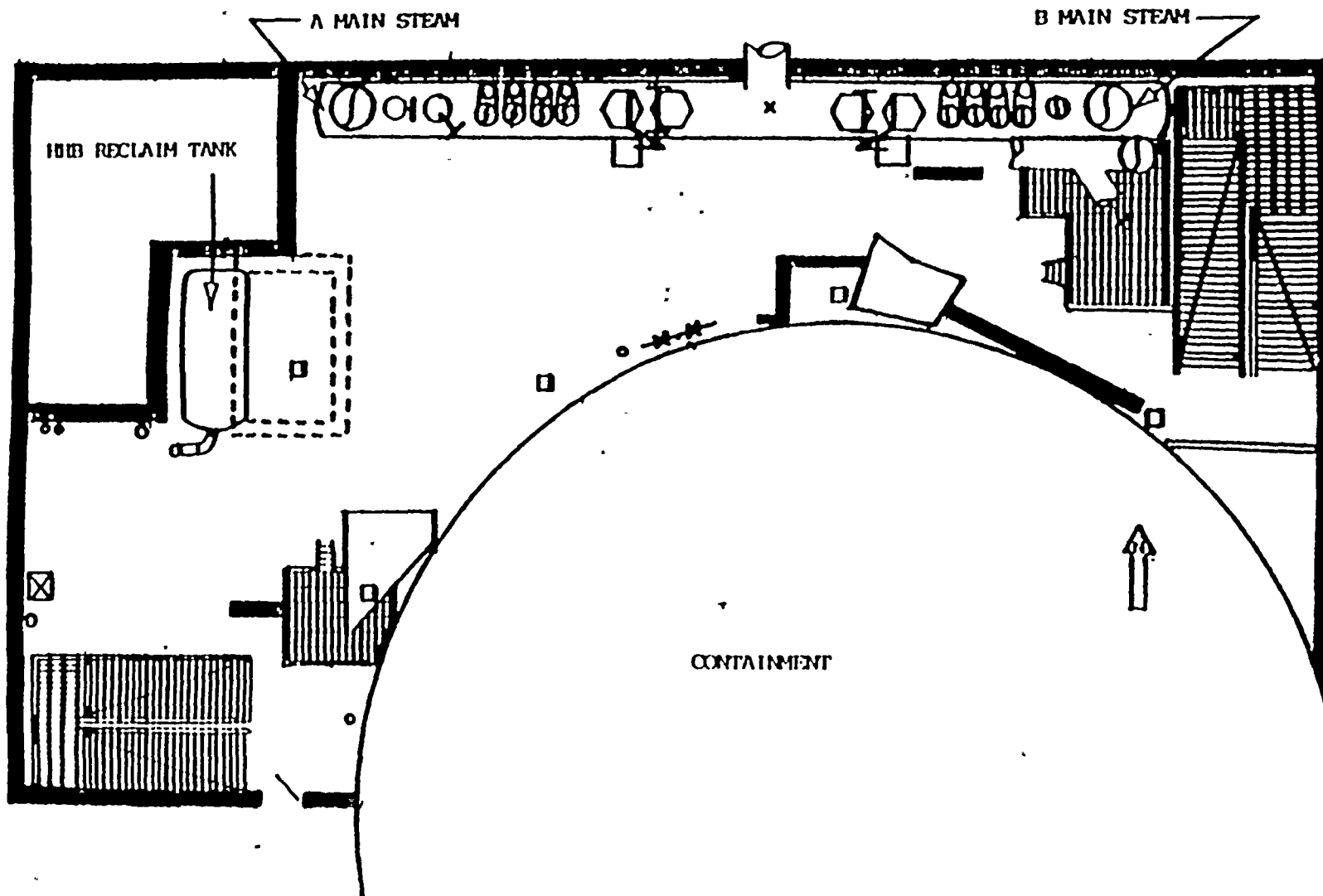
SHEARS
 100 CM
 AREA C
 10,000
 AREAS
 A+B
 1000-2000
 AIRBORNE
 (u)(u)
 TODAY
 1E-8
 PART:
 2E-8



DATE: 9/11/91 TIME: 0645-1130
SURVEY INSTRUMENT: _____
SERIAL NUMBER: _____
REMARKS: _____

ALL AREAS LESS THAN 0.1 MR/HR

SURVEYED BY: _____
COUNTING INSTRUMENT: _____
SERIAL NUMBER: _____
B POWER: _____
ILO: _____



000000
SIDEM/100 CR
ALL AREAS:
 <500
AIRBORNE
 (461/4)
IODINE:
 1E-10
PARTICULATE
 1E-10



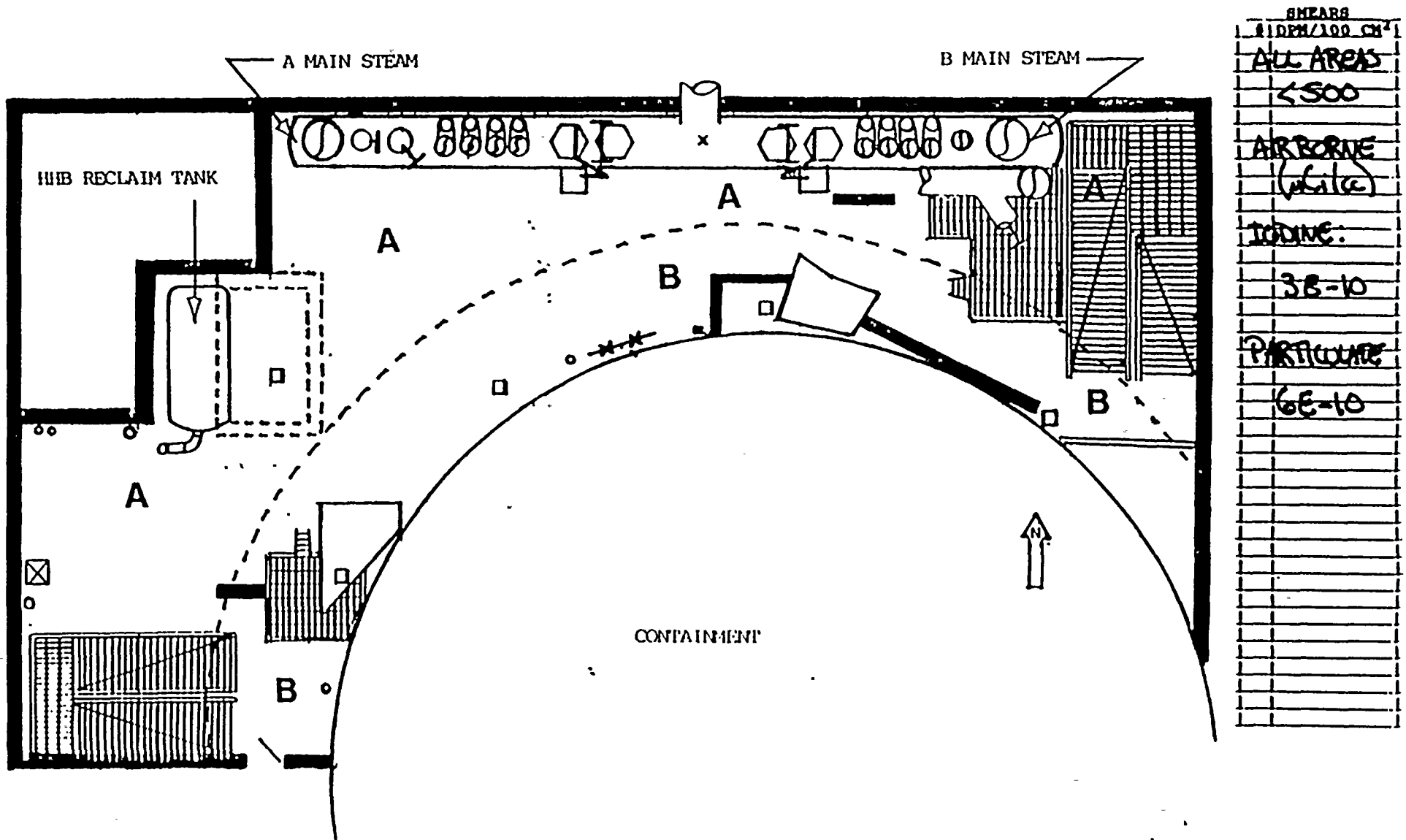
ROCHESTER GAS AND ELECTRIC
GINNA STATION
INTERMEDIATE BLDG NORTH
MEZZANINE LEVEL.

DATE: 9/1/91 TIME: 1630
SURVEY INSTRUMENT: _____
SERIAL NUMBER: _____
REMARKS: _____

$$A = 25 \text{ MR/HR}$$
$$B = 52 \text{ MR/HR}$$

ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED

SURVEYED BY: _____
COUNTING INSTRUMENT: _____
SERIAL NUMBER: _____
B POWER: _____
LLD: _____



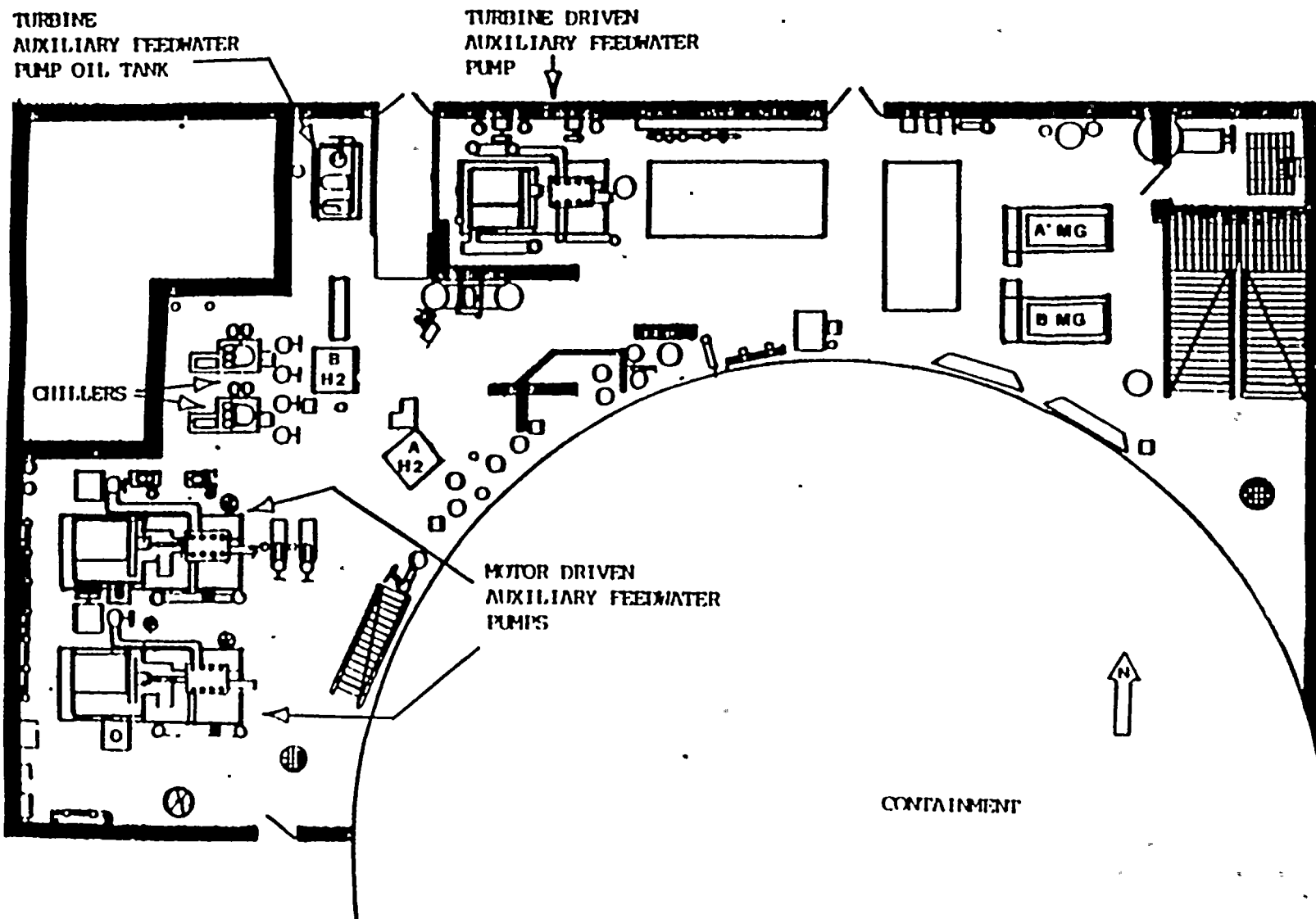


INTERMEDIATE: BLACK NORTH
BASINENT LEVEL.

ALL READINGS IN MR/MR UNLESS OTHERWISE NOTED

SURVEYED BY: _____
COUNTING INSTRUMENT: _____
SERIAL NUMBER: _____
B POWER: _____
LID: _____

ALL AREAS < 0.1 MR/HR



000000
 01 DPM/100 CM²
 ALL AREAS
 <500
 AIRBORNE
 (M/G/LG)
 DOSE:
 1E-10
 PARTICULATE
 1E-10

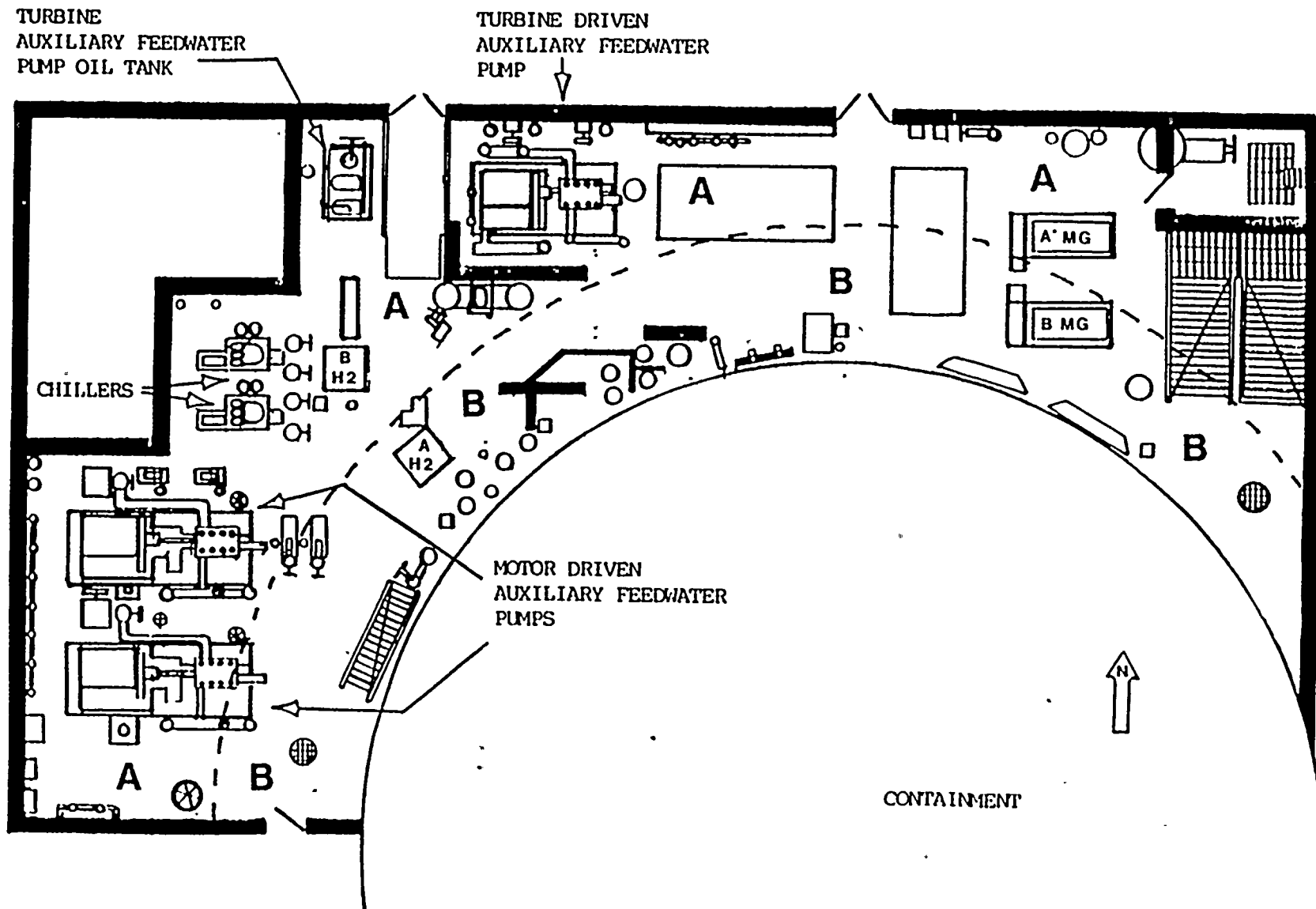
INTERMEDIATE BLDG NORTH
BASEMENT LEVEL

DATE: 9/11/91 TIME: 1131-1630
SURVEY INSTRUMENT: _____
SERIAL NUMBER: _____
REMARKS: _____

A = 25 MR/HR
B = 52 MR/HR

ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED

SURVEYED BY: _____
COUNTING INSTRUMENT: _____
SERIAL NUMBER: _____
% POWER: _____
LID: _____



SHEARS
 11 DPM/100 CM²
 ALL AREAS
 <500
 AIRBORNE
 (m/s/c)
 DODING:
 3E-10
 PARTICULATE:
 6E-10

DATE: 9/11/91 TIME: 0645-1130
POWER: BY:
INSTRUMENT:

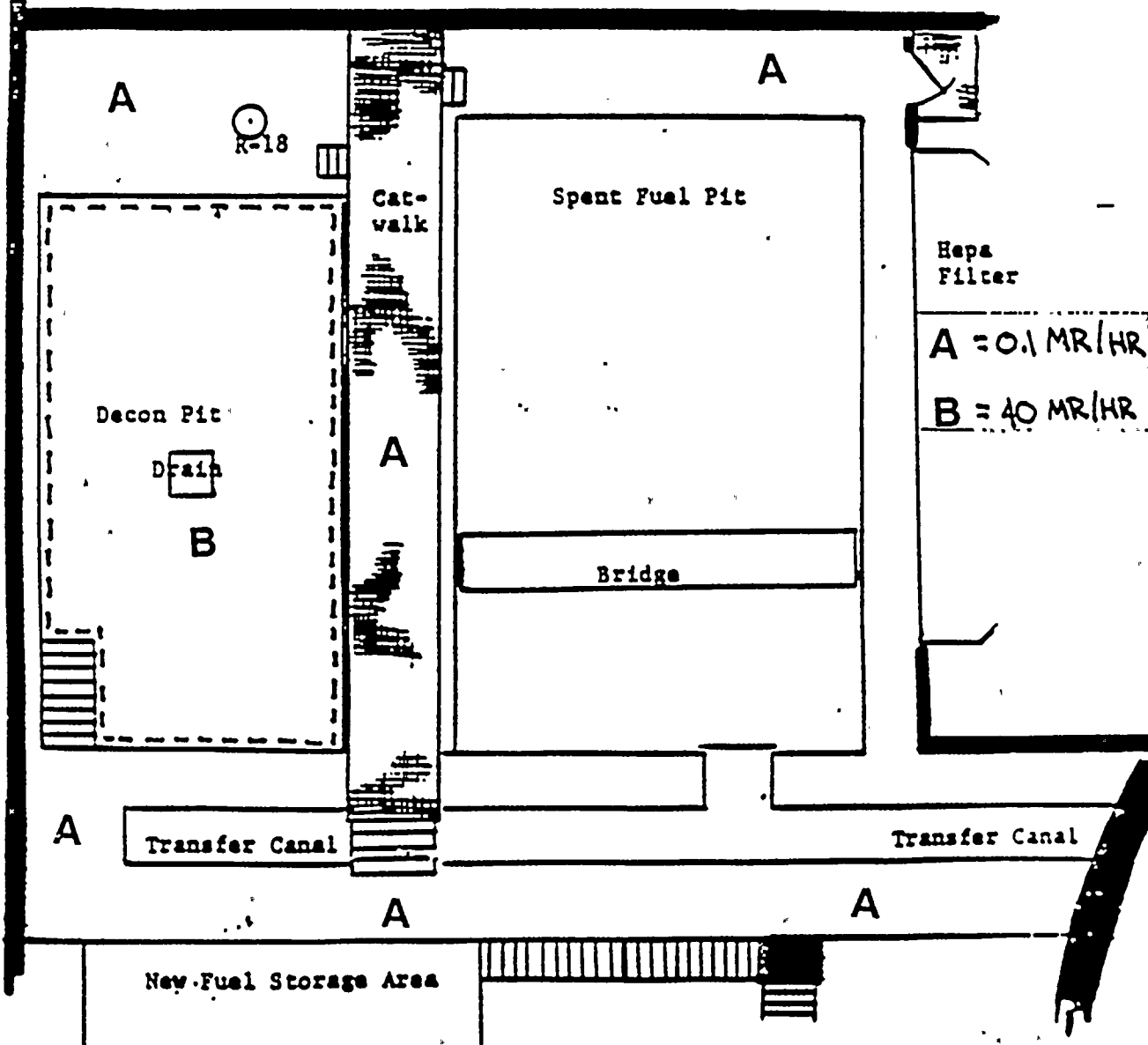
DATE: 9/11/91 TIME: 0645-1130
POWER: BY:
INSTRUMENT:

▲ DENOTES AIR SAMPLE LOCATION.
Ⓢ DENOTES SMEAR LOCATIONS.

SMEARS

+	2PM/100 _{cm} ²
	ALL AREAS
	<500

#	3PM/100 ^{cm 2}
	AIRBORNE ^{cm 2}
	(M/G/CG)
	ISSUE: 1E-10
	PART: 2E-10





R. E. GINNA STATION
 AUXILIARY BUILDING OPER. FLOOR
 SURVEY MAP of SPENT FUEL PIT and DECON PIT AREAS

DATE: 9/11/91 TIME: 1131-1215
 POWER: _____ BY: _____
 INSTRUMENT: _____ # _____

ALL READINGS IN MR./HR. UNLESS OTHERWISE NOTED.

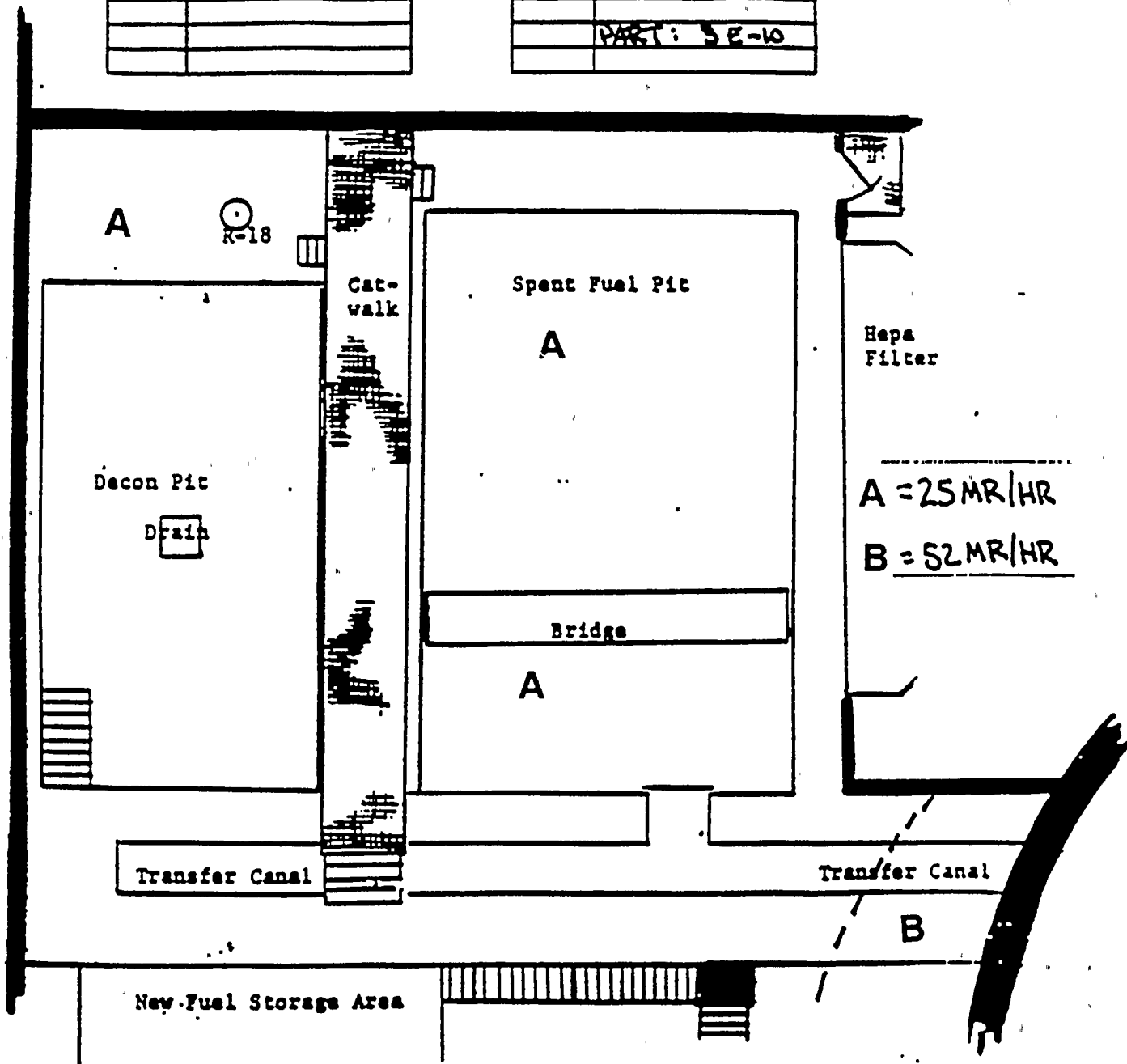
▲ DENOTES AIR SAMPLE LOCATION.
 ① DENOTES SMEAR LOCATIONS.

SMEARS

#	DPM/100 cm ²
	ALL AREAS
	< 500

SMEARS

#	DPM/100 cm ²
	AIRBORNE
	(M.C. (C))
	DOSE: 2 E-10
	PART: 5 E-10





R. E. GINNA STATION
AUXILIARY BUILDING OPER. FLOOR
SURVEY MAP of SPENT FUEL PIT and DECON PIT AREAS

DATE: 9/11/91 TIME: 1216-1345
POWER: _____ BY: _____
INSTRUMENT: _____ # _____

ALL READINGS IN MR./HR. UNLESS OTHERWISE NOTED.

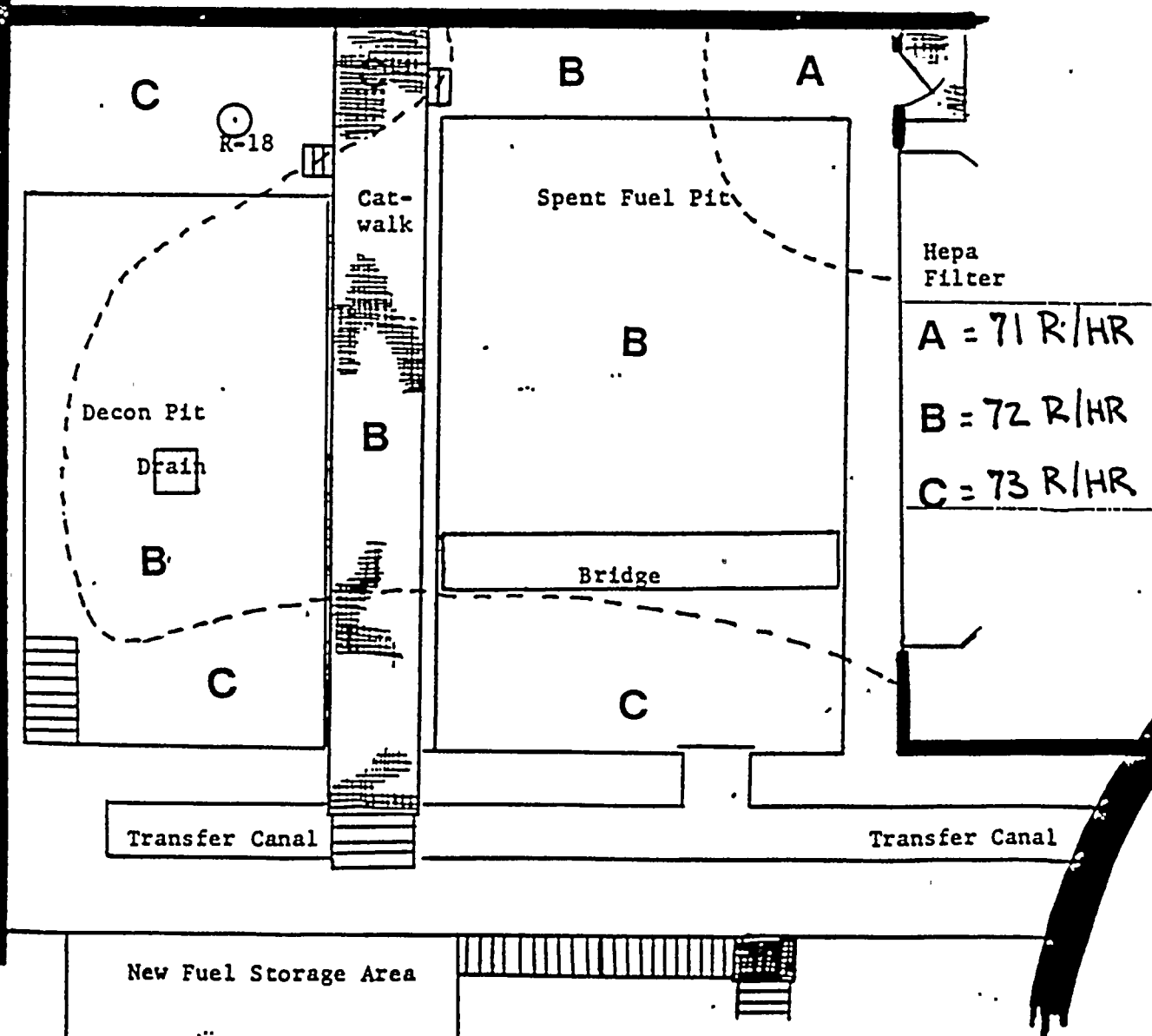
▲ DENOTES AIR SAMPLE LOCATION.
DENOTES SMEAR LOCATIONS.

SMEARS

#	DPM/100 _{cm} ²
	ALL AREAS
	100,000

SMEARS

#	DPM/100 _{cm} ²
	AIRBORNE
	(MCI) (C)
	IODINE: 1E-2
	PART: 1E-1



R. E. GINNA STATION
AUXILIARY BUILDING OPER. FLOOR
SURVEY MAP of SPENT FUEL PIT and DECON PIT AREAS

DATE: 9/11/91 TIME: 1346-1630
POWER: _____ BY: _____
INSTRUMENT: _____ # _____

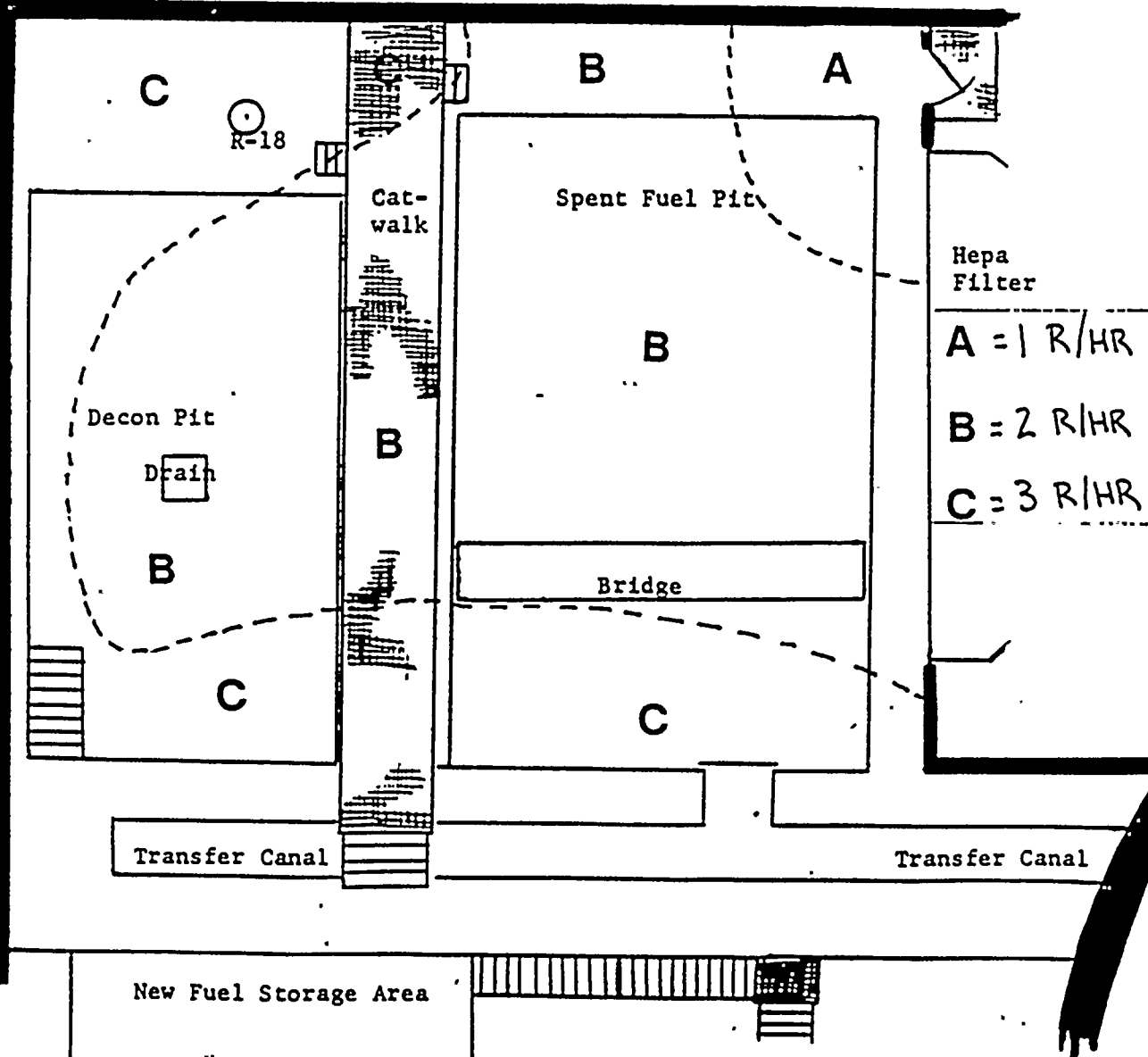
ALL READINGS IN MR./HR. UNLESS OTHERWISE NOTED. ▲ DENOTES AIR SAMPLE LOCATION.
⊙ DENOTES SMEAR LOCATIONS.

SMEARS

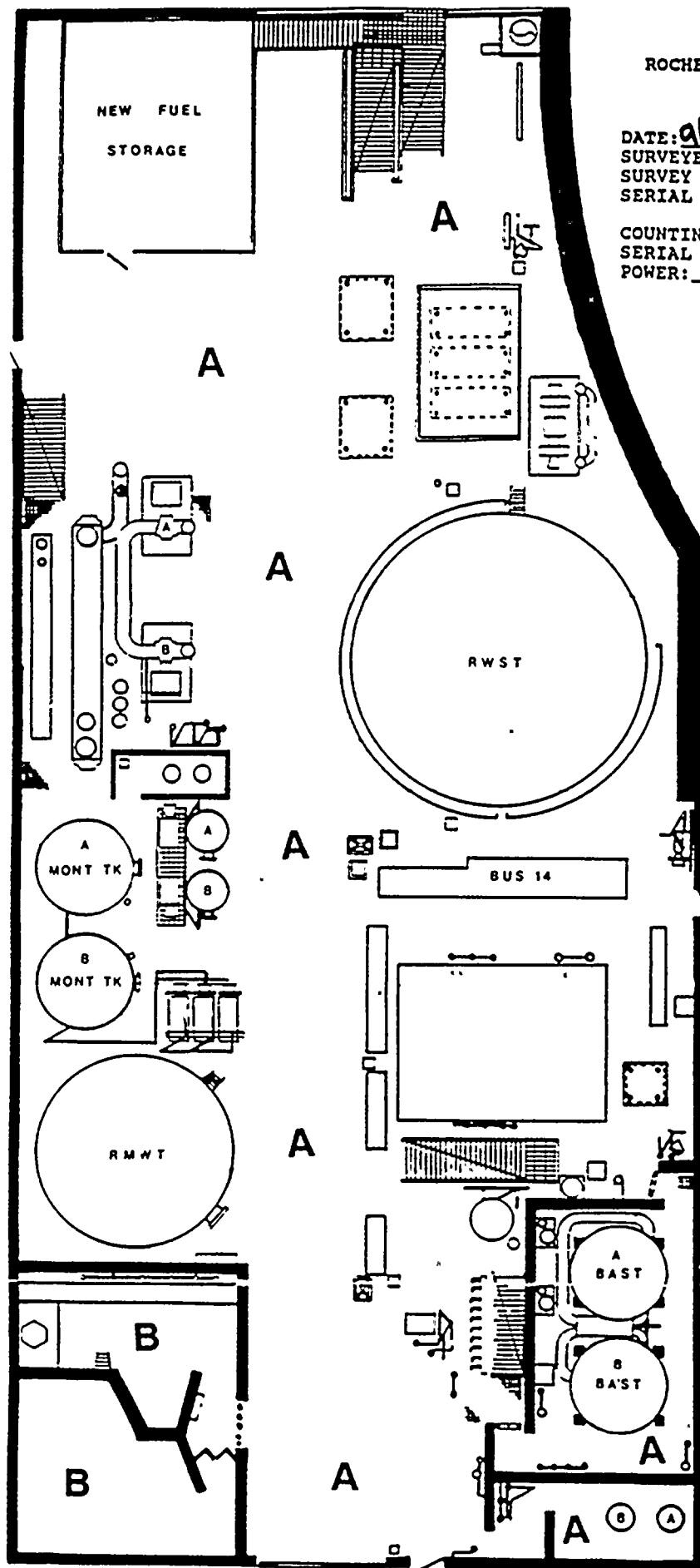
#	DPM/100 _{cm} ²
	ALL AREAS
	1,000,000

SMEARS

#	DPM/100 _{cm} ²
	AIRBORNE
	(uCi/cc)
	ZONE: SE-7
	PART: 1E-6







ROCHESTER GAS AND ELECTRIC
GINNA STATION
Auxiliary Building
Operating Level

DATE: 9/11/91 TIME: 0645-1130
SURVEYED BY: _____
SURVEY INST: _____
SERIAL NUMBER: _____

COUNTING INST: _____
SERIAL NUMBER: _____
POWER: _____ & LLD: _____

SMEARS
10PM/100 CM²
ALL AREAS
2500
AIRBORNE
(u)(u)
TODAY: 12-16
PART: 2E-10

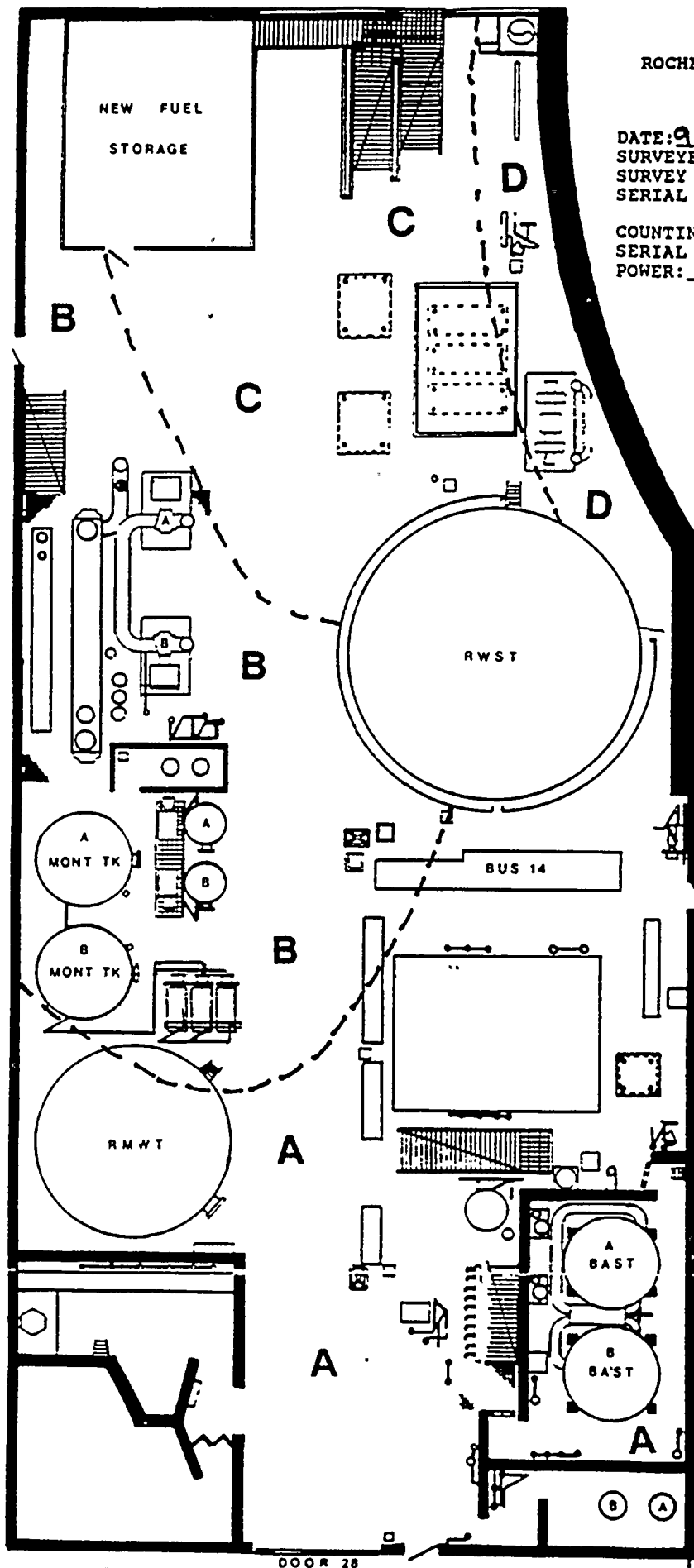
REMARKS: _____

A = 0.1 MR/HR
B = 25 MR/HR



22





ROCHESTER GAS AND ELECTRIC
GINNA STATION
Auxiliary Building
Operating Level

DATE: 9/11/91 TIME: 1131-1215
SURVEYED BY: _____
SURVEY INST: _____
SERIAL NUMBER: _____

COUNTING INST: _____
SERIAL NUMBER: _____
POWER: _____ & LLD: _____

SMEARS
1# DPM/100 CM²
ALL AREAS
500-1000
AIRBORNE
(in/cc)
TODINE:
2E-10
PART:
3E-10

REMARKS: _____

A = 1 MR / HR
B = 5 MR / HR
C = 25 MR / HR
D = 52 MR / HR

ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED

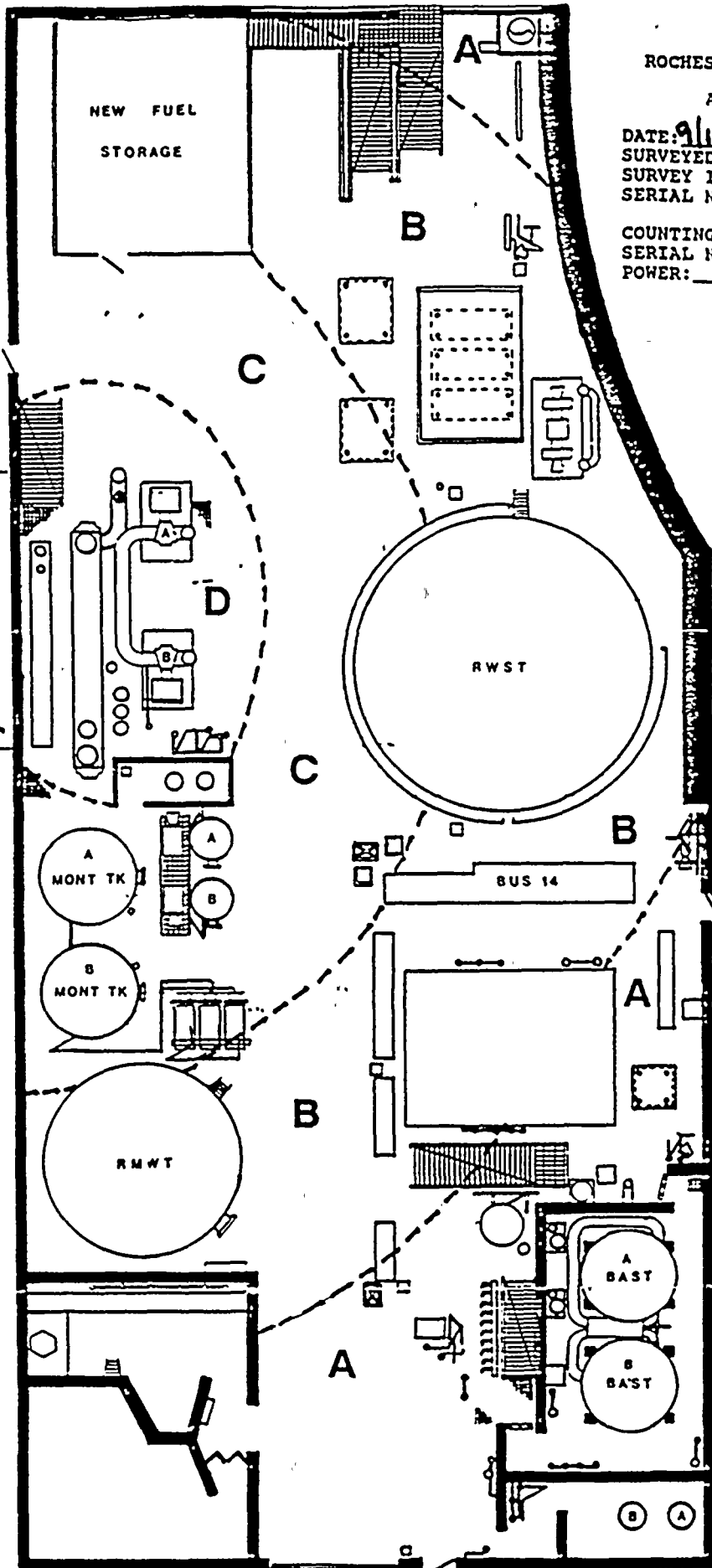


D

D

D

A = 73 R/HR
B = 78 R/HR
C = 103 R/HR
D = 2,600 R/HR



ROCHESTER GAS AND ELECTRIC
GINNA STATION
Auxiliary Building
Operating Level

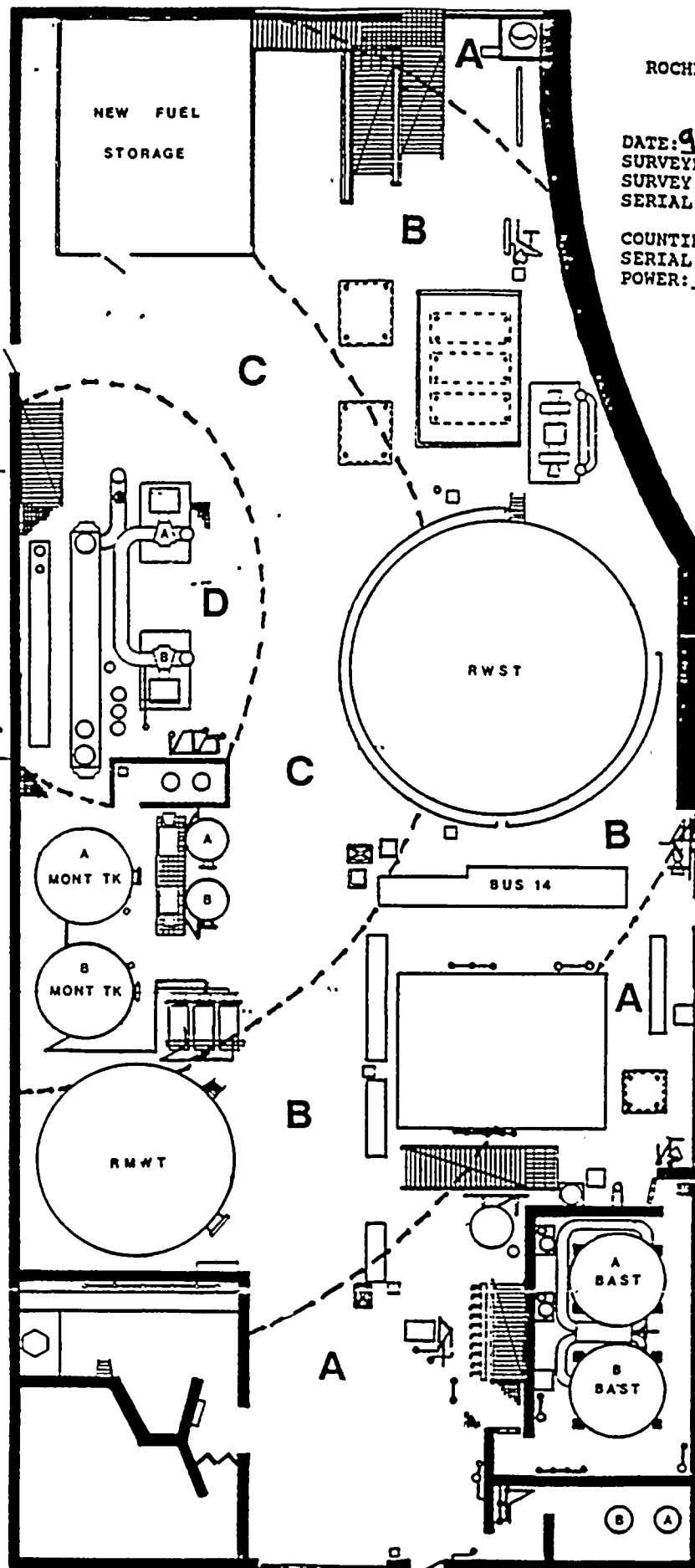
DATE: 9/11/91 TIME: 12:46-1345
SURVEYED BY: _____
SURVEY INST: _____
SERIAL NUMBER: _____

COUNTING INST: _____
SERIAL NUMBER: _____
POWER: _____ & LLD: _____

SHEARS
1 DPM/100 CM²
ALL AREAS
100,000
AIRBORNE
(uCi/cm)
TODAY:
1E-2
PART:
1E-1

REMARKS: _____

DOOR 28
ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED



A = 3 R/HR
 B = 8 R/HR
 C = 33 R/HR
 D = 2,600 R/HR

ROCHESTER GAS AND ELECTRIC
 GINNA STATION
 Auxiliary Building
 Operating Level

DATE: 9/11/91 TIME: 1346-162
 SURVEYED BY: _____
 SURVEY INST: _____
 SERIAL NUMBER: _____

COUNTING INST: _____
 SERIAL NUMBER: _____
 POWER: _____ & LLD: _____

SMEARS
 1 DPM/100 CM²
 ALL AREAS
 1,000,000
 AIRBORNE
 (mCi/cc)
 TOSINE:
 SE-7
 PART:
 1E-6

REMARKS: _____

ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED



ROCHESTER GAS AND ELECTRIC
GINNA STATION
Auxiliary Building
Intermediate Level

DATE: 9/11/91 TIME: 0645-1130
SURVEYED BY: _____
SURVEY INST: _____
SERIAL NUMBER: _____

COUNTING INST: _____
SERIAL NUMBER: _____
POWER: _____ & LLD: _____

SMEARS

1# 10PM/100 CM²

ALL AREAS

500-1000

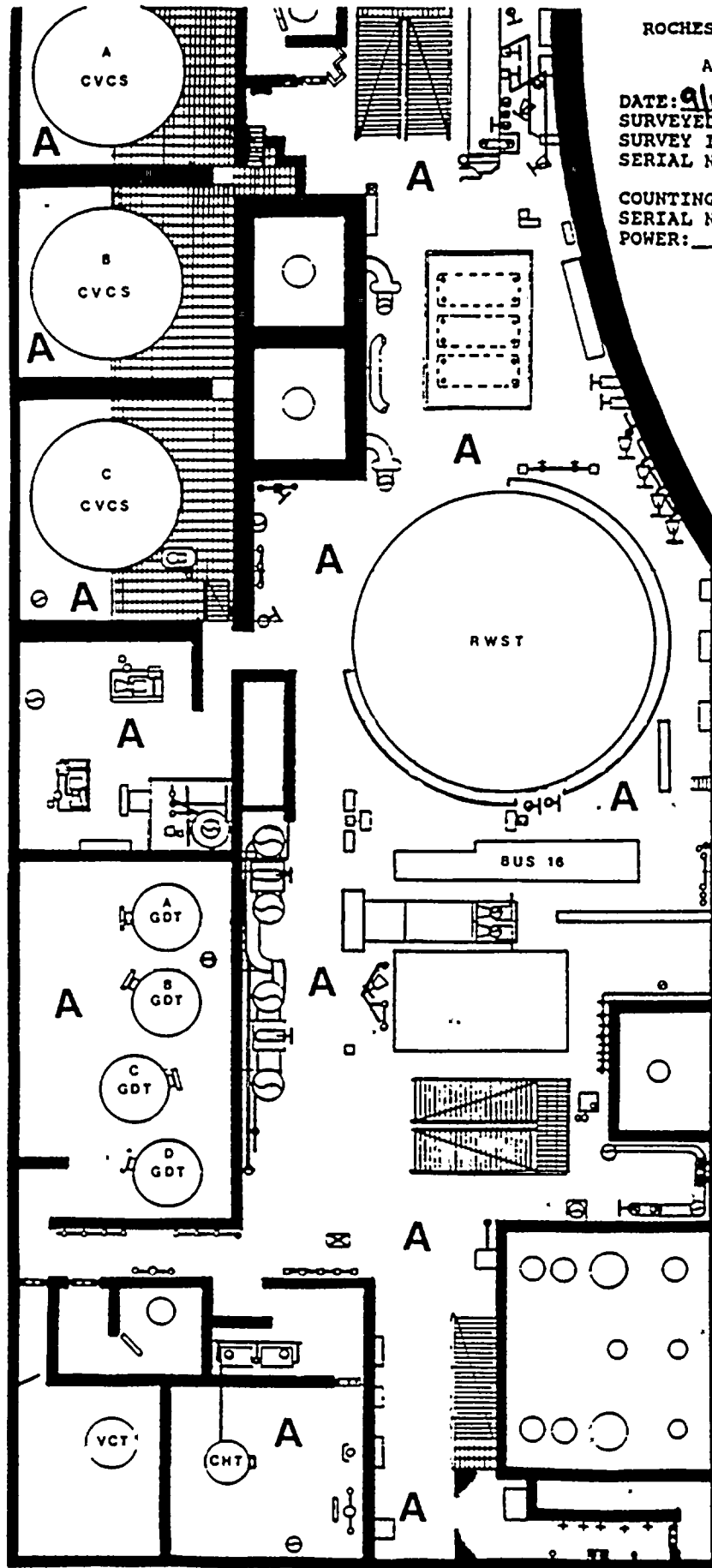
AIRBORNE
(ALL CO)

READING: 12-10

PART: 22-10

REMARKS: _____

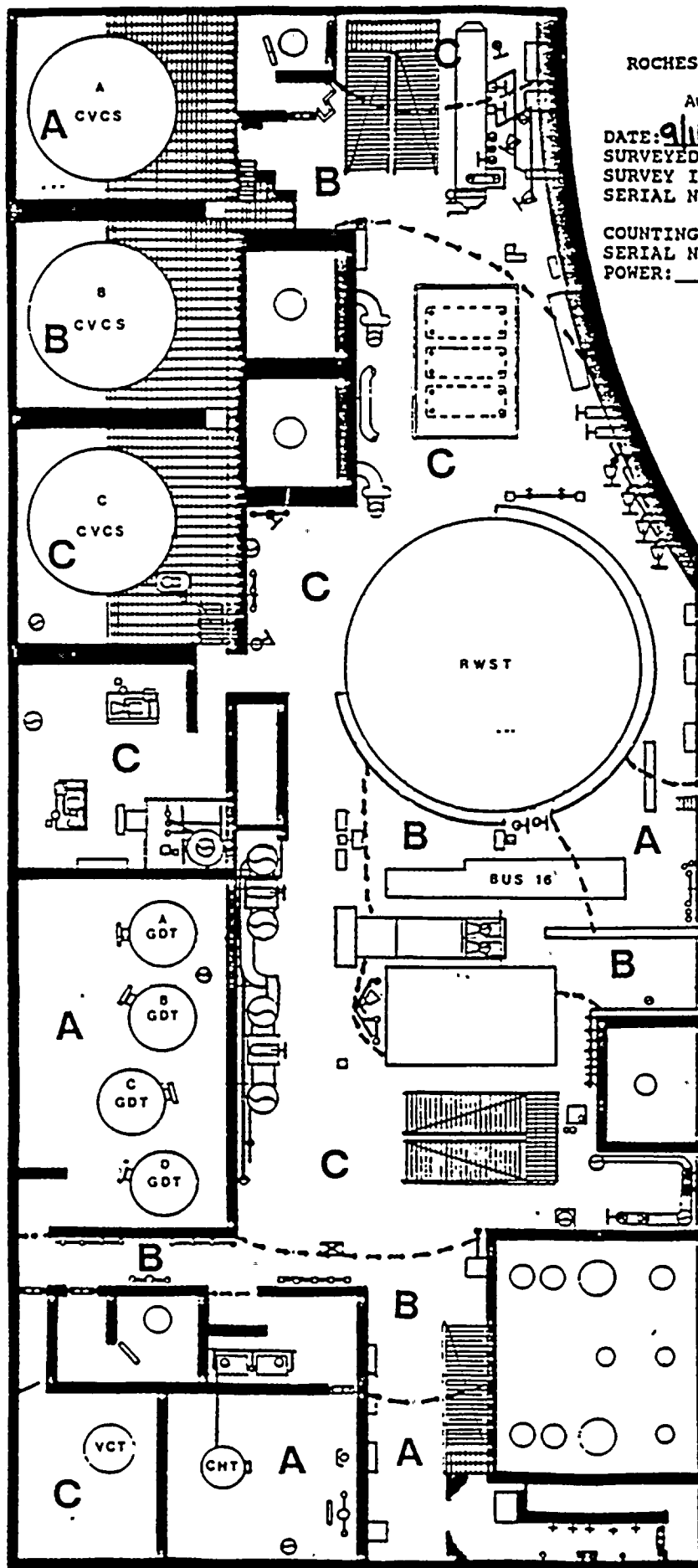
A = 0.1 MR/HR



ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED







ROCHESTER GAS AND ELECTRIC
GINNA STATION
Auxiliary Building
Intermediate Level

DATE: 9/11/91 TIME: 1216-1345
SURVEYED BY: _____
SURVEY INST: _____
SERIAL NUMBER: _____

COUNTING INST: _____
SERIAL NUMBER: _____
POWER: _____ & LLD: _____

SHEARS

10PM/100 CM²

ALL AREAS

100,000

AIRBORNE

(MCI/CC)

TONNE:

1E-2

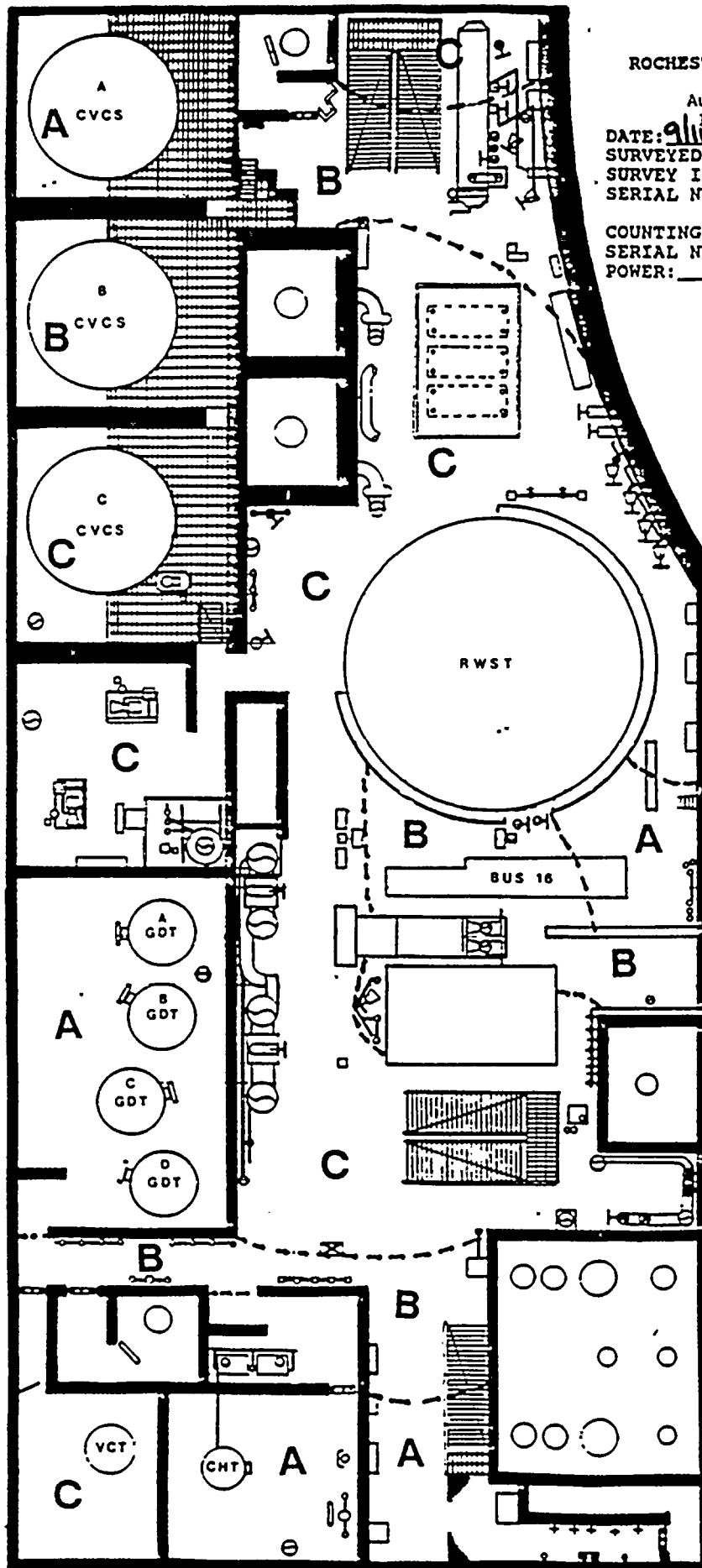
PART:

1E-1

REMARKS: _____

A = 70 R/HR
B = 72 R/HR
C = 80 R/HR

ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED



ROCHESTER GAS AND ELECTRIC
GINNA STATION
Auxiliary Building
Intermediate Level

DATE: 9/11/91 TIME: 1346-1630
SURVEYED BY: _____
SURVEY INST: _____
SERIAL NUMBER: _____

COUNTING INST: _____
SERIAL NUMBER: _____
POWER: _____ LLD: _____

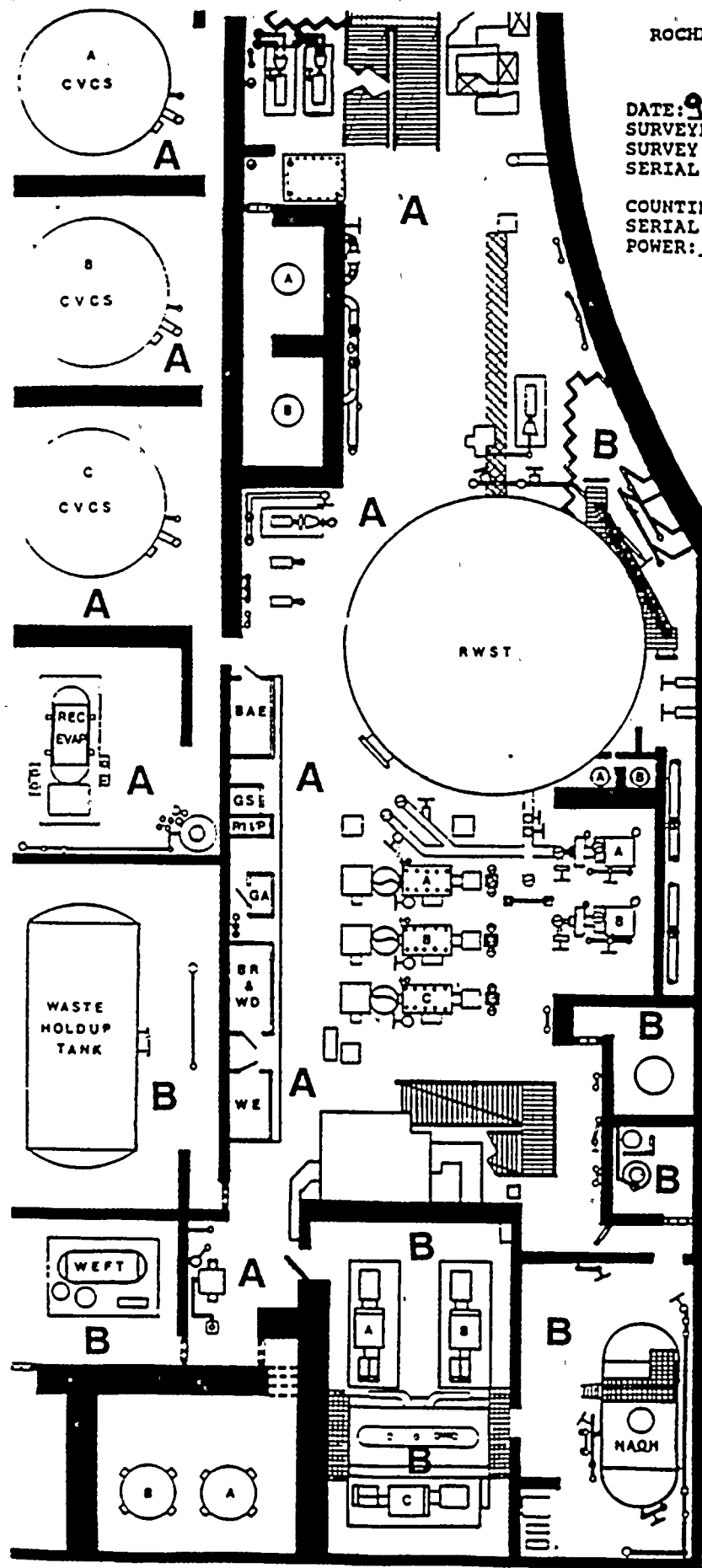
SMEARS
1 DPM/100 CM²
ALL AREAS
1,000,000
AIRBORNE
(mL/cc)
TONNE
SE-7
PART:
IE-6

REMARKS: _____

A = 500 MR/HR
B = 1,000 MR/HR
C = 10,000 MR/HR

ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED





ROCHESTER GAS AND ELECTRIC
GINNA STATION
Auxiliary Building
Basement Level

DATE: 9/11/91 TIME: 0645-1130
SURVEYED BY: _____
SURVEY INST: _____
SERIAL NUMBER: _____

COUNTING INST: _____
SERIAL NUMBER: _____
POWER: _____ & LLD: _____

SHEARS
1# DPM/100 CM²
ALL AREAS
500-1000
AIRBORNE
(in/sec)
TODAY: 12-10
PART: 12-10

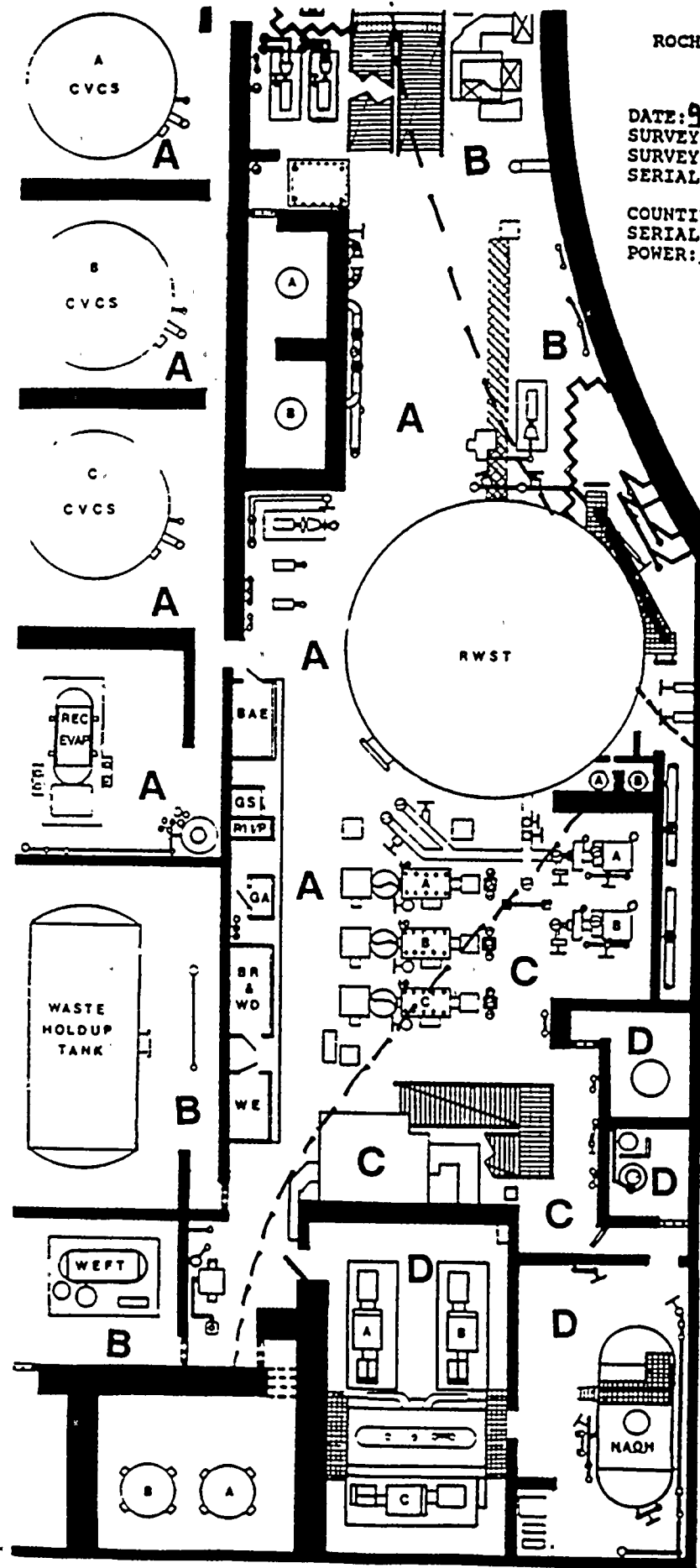
REMARKS: _____

A = 0.1 MR/HR

B = 60 MR/HR

ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED





ROCHESTER GAS AND ELECTRIC GINNA STATION

Auxiliary Building

Basement Level

DATE: 9/11/91 TIME: 1131-1245

SURVEYED BY: _____

SURVEY INST: _____

SERIAL NUMBER: _____

COUNTING INST: _____

SERIAL NUMBER: _____

POWER: _____ & LLD: _____

SHEARS

1# (DPH/100 CM²)

ALL AREAS

500-1000

ARRANGE

(MCI/2)

1000NE

2E-10

PART:

3E-10

REMARKS: _____

A = 25 MR/HR

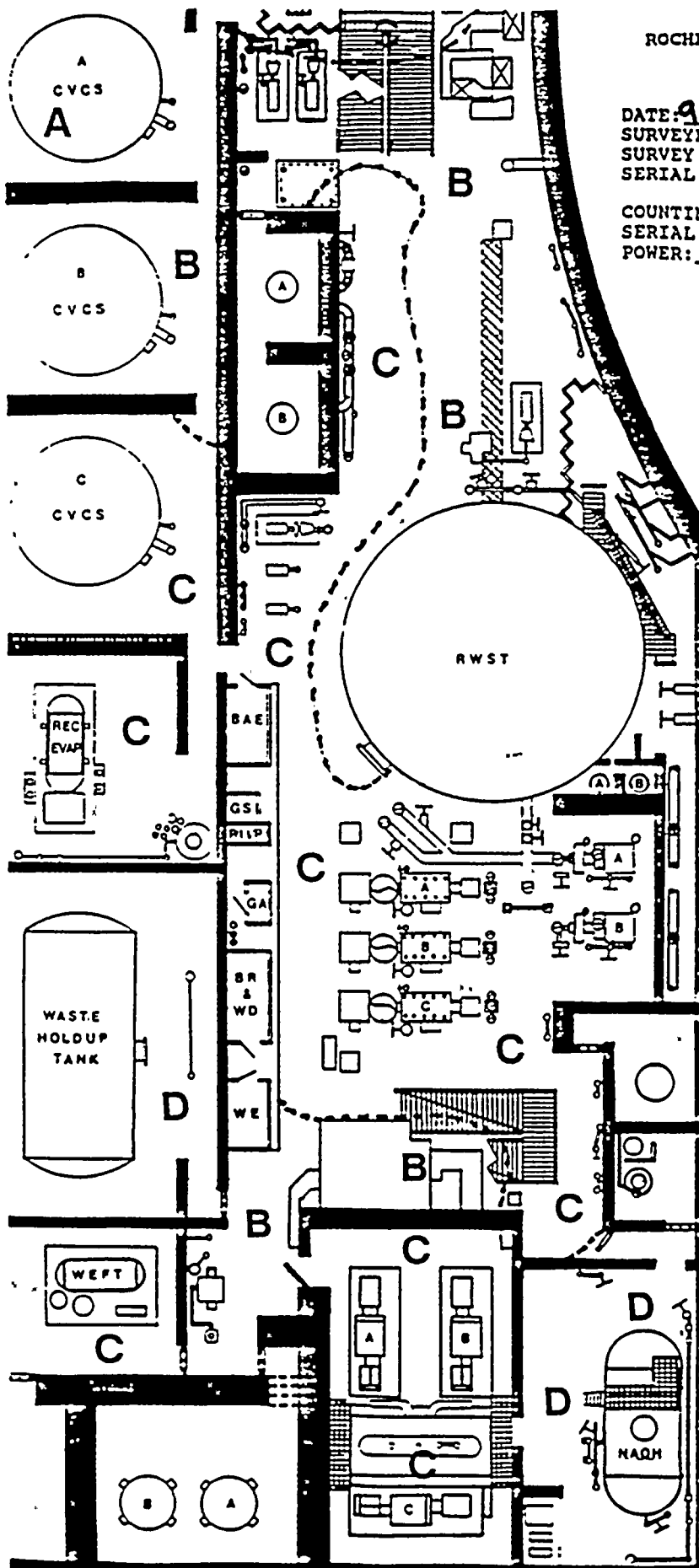
B = 60 MR/HR

C = 10,000 MR/HR

D = 1,000 R/HR

ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED





ROCHESTER GAS AND ELECTRIC
GINNA STATION

Auxiliary Building

Basement Level

DATE: 9/11/81 TIME: 1316-1345

SURVEYED BY: _____

SURVEY INST: _____

SERIAL NUMBER: _____

COUNTING INST: _____

SERIAL NUMBER: _____

POWER: _____ & LLD: _____

SMEARS

10PM/100 CM²

ALL AREAS

100,000

AIRBORNE

(uCi/cc)

TODINE:

1E-2

PART:

1E-1

REMARKS: _____

A = 70 R/HR

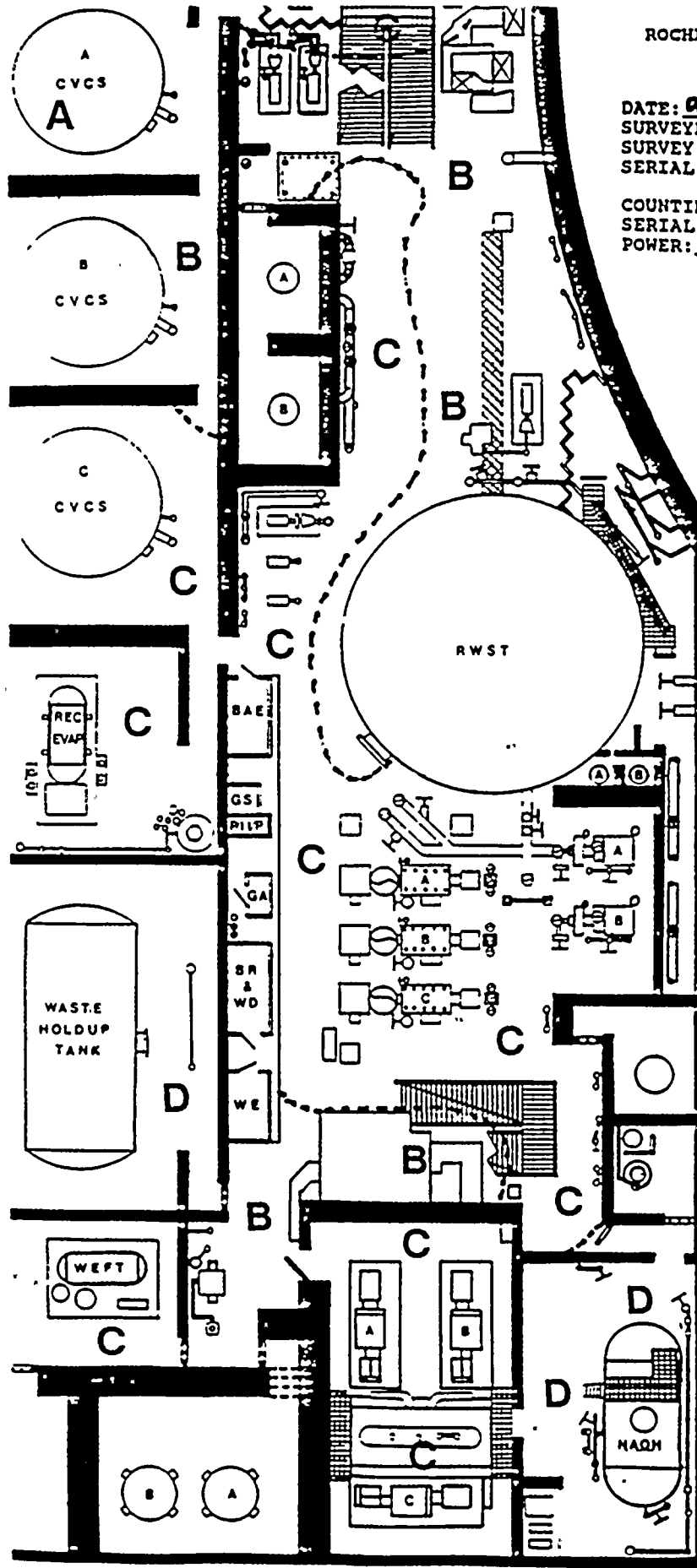
B = 71 R/HR

C = 80 R/HR

D = 1070 R/HR

ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED





ROCHESTER GAS AND ELECTRIC GINNA STATION

Auxiliary Building

Basement Level

DATE: 9/11/61 TIME: 1346-1630

SURVEYED BY: _____

SURVEY INST: _____

SERIAL NUMBER: _____

COUNTING INST: _____

SERIAL NUMBER: _____

POWER: _____ & LLD: _____

SMEARS

DPM/100 CM²

ALL AREAS

1,000,000

AIRBORNE

(M/G/CC)

INDICATE:

SE-7

PART:

1E-60

REMARKS: _____

A = 500 MR/HR

B = 1 R/HR

C = 10 R/HR

D = 1000 R/HR

ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED

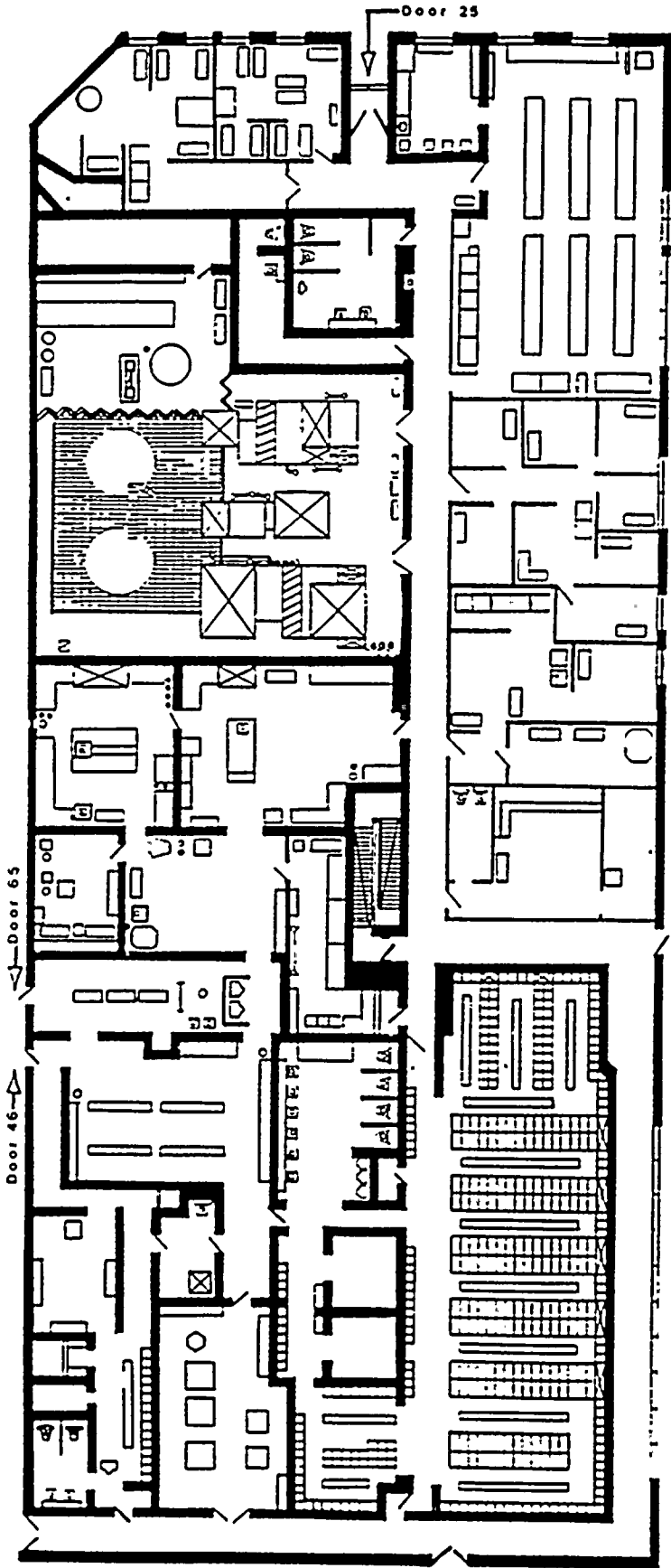


ROCHESTER GAS AND ELECTRIC
GINNA STATION

Service Building South

DATE: 9/11/91 TIME: 0615-1215
SURVEYED BY: _____
SURVEY INST: _____
SERIAL NUMBER: _____

COUNTING INST: _____
SERIAL NUMBER: _____
POWER: _____ & LLD: _____



SMEARS
1 DPM/100 CM²/I
ALL AREAS
< 500

AIRBORNE
(uCi/cc)

IODINE:
2E-11

PARTICULATE:
2E-11

REMARKS: _____

ALL AREAS LESS THAN 0.1 MR/HR

ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED

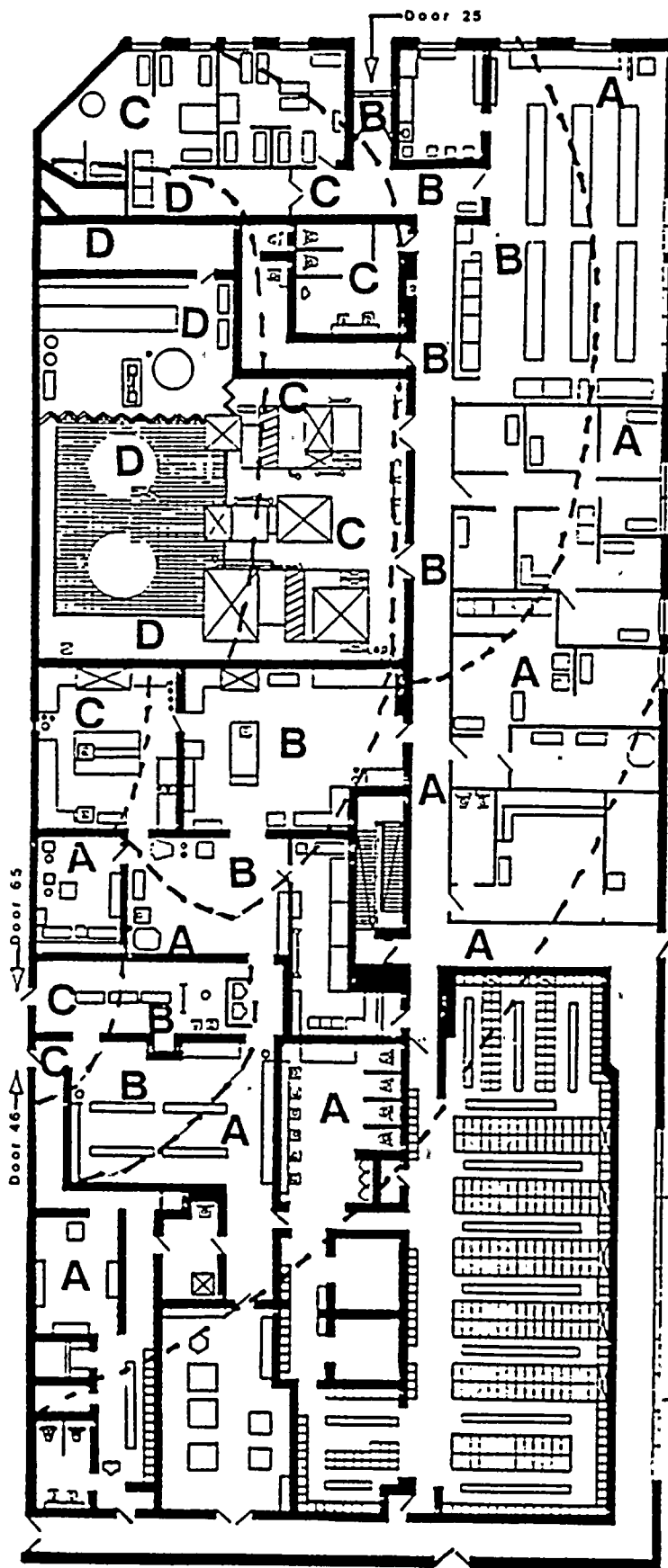


ROCHESTER GAS AND ELECTRIC
GINNA STATION

Service Building South

DATE: 9/11/91 TIME: 12:16-1630
SURVEYED BY: _____
SURVEY INST: _____
SERIAL NUMBER: _____

COUNTING INST: _____
SERIAL NUMBER: _____
POWER: _____ & LLD: _____



SMEARS
14 DPM/100 CM²
ALL AREAS
<500

AIRBORNE
(uCi/cc)

TOXIC:
2E-9

PARTICULATE:
3E-9

Door 24

A = 1 MR
B = 2.5 MR
C = 80 MR
D = .2 R
HR

REMARKS: _____

ALL READINGS IN MR/HR UNLESS OTHERWISE NOTED



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

SEP 11,91
06:45:30

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	1656.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.5	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	337.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	58.9	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	59.9	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	1.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.52214-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.98678+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.16946-01	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.76701+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.98354-02	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.26283-01	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44819+03	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.53901+03	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	2.86002+03	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.23543+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.53327+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.26765+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.57658+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.53174+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.97861-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.00440+00	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.43583+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.09126-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.75990-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.23104-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.11732-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.18826-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.82523-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.96907-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.14589-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.23537-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.85036-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.69040-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.75178-03	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.2	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	99.8	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.3	GOOD	DEGF
3	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.6	GOOD	DEGF



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

SEPT 11,91
07:00:25

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	1656.	G000	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	G000	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.5	G000	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	334.	G000	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.5	G000	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	60.5	G000	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	1.0	G000	DEGF
8	R01	AREA 1-CONTROL ROOM	8.52637-02	G000	MR/H
9	R02	AREA 2-CONTAINMENT	6.99761+00	G000	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.12322-01	G000	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.75334+01	G000	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.97608-02	G000	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.24565-01	G000	MR/H
14	R10A	CONTAINMENT IOOINE MONITOR R10A	1.44821+03	G000	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.51904+03	G000	CPM
16	R12	CONTAINMENT GAS MONITOR	2.88001+03	G000	CPM
17	R10B	PLANT VENT IOOINE MONITOR R10B	1.20518+01	G000	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.52158+01	G000	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.29419+01	G000	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.50746+03	G000	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.58712+03	G000	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.94308-01	G000	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.09046+00	G000	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.42925+02	G000	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.07336-07	G000	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.73576-02	G000	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.29609-05	G000	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.18410-03	G000	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.10297-06	G000	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.85108-05	G000	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.94927-03	G000	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.13865-06	G000	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.24352-05	G000	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.83184-04	G000	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.62667-02	G000	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.75173-03	G000	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	G000	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.2	G000	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.2	G000	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.6	G000	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	99.8	G000	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.3	G000	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.6	G000	DEGF

E-O-J

PROGRAM NAME :LRGTSZ.E
E. GINWA NUCLEAR POWER PLANT

SEPT 11,91
07:15:32

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	1656.	G000	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	G000	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.1	G000	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	338.	G000	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.2	G000	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	57.9	G000	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.3	G000	DEGF
8	R01	AREA 1-CONTROL ROOM	8.59253-02	G000	MR/H
9	R02	AREA 2-CONTAINMENT	6.91769+00	G000	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.18054-01	G000	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.73436+01	G000	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.91586-02	G000	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.25871-01	G000	MR/H
14	R10A	CONTAINMENT IOOINE MONITOR R10A	1.44824+03	G000	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.54736+03	G000	CPM
16	R12	CONTAINMENT GAS MONITOR	2.84210+03	G000	CPM
17	R10B	PLANT VENT IOOINE MONITOR R10B	1.29807+01	G000	CPM
	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.52033+01	G000	CPM
	R14	AUX BLDG EXHAUST GAS MONITOR	2.21250+01	G000	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.54539+03	G000	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	2.54121+03	G000	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.92685-01	G000	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.07109+00	G000	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.48878+02	G000	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.06607-07	G000	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.74359-02	G000	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.26479-05	G000	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.16755-03	G000	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.11361-06	G000	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.83091-05	G000	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.95280-03	G000	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.17086-06	G000	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.21442-05	G000	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.83547-04	G000	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.60232-02	G000	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.76479-03	G000	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	G000	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.3	G000	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.4	G000	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.7	G000	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	99.9	G000	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.4	G000	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.7	G000	DEGF

E-O-J



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

SEPT 11,91
07:30:35

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	1656.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.5	GOOD	MPH
4	W0033	33 FOOT LEVEL WIND DIRECTION	337.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	58.8	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	57.5	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.3	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.57299-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.93609+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.12804-01	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.71357+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.95751-02	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.20688-01	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44827+03	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.59213+03	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	2.88541+03	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.20646+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.50716+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.24327+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.53683+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.54715+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.90625-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.05998+00	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.49818+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.07316-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.74290-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.20452-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.19846-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.17281-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.82355-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.99181-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.18173-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.26760-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.86932-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.60524-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.73405-03	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.2	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	99.8	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.6	GOOD	DEGF

E-0-J



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

SEPT 11,91
07:45:25

TREMO 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	1660.	GOOD	GPM
2	LRWT	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.3	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	334.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	58.8	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	57.5	GOOD	DEGF
7	WT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.3	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.53614-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.99828+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.15731-01	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.78761+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.95130-02	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.27929-01	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44830+03	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.53245+03	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	2.82097+03	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.24060+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.54811+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.20719+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.56200+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	2.55885+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.92336-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.09194+00	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.45706+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.03254-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.79783-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.22467-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.11081-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.17953-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.83745-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.98190-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.15666-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.24406-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.85289-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.62283-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.71727-03	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.5	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.4	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.8	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	99.9	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.4	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.7	GOOD	DEGF

E-O-J



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

SEPT 11,91
08:00:31

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	1660.	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	324.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	58.8	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	57.5	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.3	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.59437-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.93909+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.11716-01	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.78544+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.99227-02	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.26017-01	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44833+03	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.54522+03	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	2.80661+03	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.23588+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.54296+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.23400+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	1.53856+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	2.55219+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.96475-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.02180+00	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.42689+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.03183-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.74970-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.27517-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.14335-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.16224-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.88296-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.97950-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.19130-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.27051-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.82344-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.61786-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.78871-03	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.5	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.5	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	103.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	99.8	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.4	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.8	GOOD	DEGF

E-O-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	1660.	G000	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	G000	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.8	G000	MPH
4	WO033	33 FOOT LEVEL WIND DIRECTION	307.	G000	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.4	G000	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	58.1	G000	DEGF
7	WT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.3	G000	DEGF
8	R01	AREA 1-CONTROL ROOM	8.59650-02	G000	MR/H
9	R02	AREA 2-CONTAINMENT	6.93548+00	G000	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.17532-01	G000	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.78797+01	G000	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.92291-02	G000	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.25456-01	G000	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44837+03	G000	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.53839+03	G000	CPM
16	R12	CONTAINMENT GAS MONITOR	2.82784+03	G000	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.26146+01	G000	CPM
	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.51069+01	G000	CPM
	R14	AUX BLDG EXHAUST GAS MONITOR	2.23572+01	G000	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.54782+03	G000	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.55036+03	G000	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.92716-01	G000	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.00946+00	G000	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.49082+02	G000	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.07919-07	G000	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.76851-02	G000	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.20543-05	G000	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.11384-03	G000	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.17607-06	G000	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.89091-05	G000	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.95662-03	G000	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.19154-06	G000	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.28622-05	G000	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.87534-04	G000	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.68314-02	G000	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.75381-03	G000	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	G000	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.6	G000	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.6	G000	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.7	G000	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	100.1	G000	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.8	G000	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.9	G000	DEGF

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

SEPT 11,91
08:30:30

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	1660.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	8.8	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	307.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.9	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	59.4	GOOD	DEGF
7	WT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.5	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.53482-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.90970+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.13891-01	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.72424+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.94152-02	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.23166-01	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44841+03	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.56816+03	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	2.80427+03	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.20533+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.59579+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.28785+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.53959+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.58612+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.93784-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.01193+00	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.42084+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.05214-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.72566-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.27743-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.10650-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.10987-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.82589-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.99683-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.16307-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.27140-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.85224-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.68913-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.70404-03	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.7	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.7	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.8	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	100.2	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.9	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.9	GOOD	DEGF

E-O-J



PROGRAM NAME :LRGT SZ.E
E. GINNA NUCLEAR POWER PLANT

SEPT 11,91
08:45:37

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	1660.	GOOD GPM
2	LRWT	REFUELING WATER STORAGE TANK LVL	94.5	GOOD %
3	WS033	33 FOOT LEVEL WIND SPEED	8.2	GOOD MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	304.	GOOD DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	60.1	GOOD DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	59.6	GOOD DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.5	GOOD DEGF
8	R01	AREA 1-CONTROL ROOM	8.57556-02	GOOD MR/H
9	R02	AREA 2-CONTAINMENT	6.93291+00	GOOD MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.18716-01	GOOD MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.70847+01	GOOD MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.97201-02	GOOD MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.24005-01	GOOD MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44844+03	GOOD CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.54394+03	GOOD CPM
16	R12	CONTAINMENT GAS MONITOR	2.89239+03	GOOD CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.29165+01	GOOD CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.53216+01	GOOD CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.27783+01	GOOD CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.55168+03	GOOD CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.52958+03	GOOD CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.90272-01	GOOD R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.09471+00	GOOD R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.44049+02	GOOD CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.06989-07	GOOD UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.75665-02	GOOD MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.28303-05	GOOD UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.17522-03	GOOD UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.10738-06	GOOD UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.88361-05	GOOD UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.95411-03	GOOD UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.19767-06	GOOD UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.23225-05	GOOD UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.84017-04	GOOD UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.62481-02	GOOD MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.79103-03	GOOD MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD %
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	93.8	GOOD DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	104.9	GOOD DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	102.9	GOOD DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	100.2	GOOD DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	100.9	GOOD DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.9	GOOD DEGF

E-0-J

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

SEPT 11,91
09:00:59

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	1660.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	6.8	GOOD	MPH
4	W0033	33 FOOT LEVEL WIND DIRECTION	310.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	60.1	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	59.6	GOOD	DEGF
7	WD12	250 TO 33 FOOT LEVEL DELTA TEMP	-0.5	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.59487-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.96602+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.15879-01	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.70583+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.95316-02	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.26593-01	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44847+03	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.50251+03	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	2.84421+03	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.36979+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.52711+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.27464+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.58259+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	2.58306+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.98073-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.05831+00	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.41783+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.07322-07	GOOD	UC1/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.77019-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.21868-05	GOOD	UC1/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.15594-03	GOOD	UC1/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.19325-06	GOOD	UC1/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.86458-05	GOOD	UC1/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.99300-03	GOOD	UC1/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.10447-06	GOOD	UC1/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.26261-05	GOOD	UC1/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.86781-04	GOOD	UC1/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.62714-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.75197-03	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.3	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.2	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.7	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.2	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.6	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	113.1	GOOD	DEGF

E-O-J

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

SEPT 11,91
09:15:07

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	1665.	G000	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	G000	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.9	G000	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	315.	G000	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.9	G000	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	58.3	G000	DEGF
7	WT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.6	G000	DEGF
8	R01	AREA 1-CONTROL ROOM	8.56698-02	G000	MR/H
9	R02	AREA 2-CONTAINMENT	6.92303+00	G000	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.10986-01	G000	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.75048+01	G000	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.93434-02	G000	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.29752-01	G000	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44850+03	G000	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.52501+03	G000	CPM
16	R12	CONTAINMENT GAS MONITOR	2.89256+03	G000	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.31242+01	G000	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.51407+01	G000	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.27353+01	G000	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.59084+03	G000	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.57866+03	G000	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.94755-01	G000	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.00831+00	G000	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.49023+02	G000	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.08169-07	G000	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.75410-02	G000	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.24021-05	G000	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.16913-03	G000	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.18973-06	G000	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.80897-05	G000	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.98018-03	G000	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.17695-06	G000	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.27326-05	G000	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.82524-04	G000	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.63465-02	G000	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.79729-03	G000	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	G000	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.3	G000	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.2	G000	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.7	G000	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.2	G000	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.6	G000	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	113.1	G000	DEGF

E-O-J

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

SEPT 11,91
09:30:35

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	FO619	COMPONENT COOLING LOOP TOTAL FLW	1660.	G000	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	G000	%
3	WS033	33 FOOT LEVEL WIND SPEED	3.7	G000	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	333.	G000	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	60.0	G000	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	58.4	G000	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.6	G000	DEGF
8	R01	AREA 1-CONTROL ROOM	8.52658-02	G000	MR/H
9	R02	AREA 2-CONTAINMENT	6.96709+00	G000	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.14455-01	G000	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.73476+01	G000	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.92018-02	G000	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.23213-01	G000	MR/H
14	R10A	CONTAINMENT IOOINE MONITOR R10A	1.44853+03	G000	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.58170+03	G000	CPM
16	R12	CONTAINMENT GAS MONITOR	2.89580+03	G000	CPM
17	R10B	PLANT VENT IOOINE MONITOR R10B	1.34361+01	G000	CPM
	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.58517+01	G000	CPM
	R14	AUX BLDG EXHAUST GAS MONITOR	2.23235+01	G000	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.50012+03	G000	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.55133+03	G000	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.98179-01	G000	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.04474+00	G000	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.40809+02	G000	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.06295-07	G000	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.76687-02	G000	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.24692-05	G000	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.19647-03	G000	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.18394-06	G000	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.89925-05	G000	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.96572-03	G000	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.13577-06	G000	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.21203-05	G000	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.88031-04	G000	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.60154-02	G000	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.74081-03	G000	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	G000	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.4	G000	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.3	G000	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.7	G000	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.3	G000	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.6	G000	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	113.1	G000	DEGF

E-O-J

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

SEPT 11,91
09:45:29

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	1660.	GOOD	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.4	GOOD	MPH
4	W0033	33 FOOT LEVEL WIND DIRECTION	9.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.0	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	57.4	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.6	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.56682-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.90420+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.15831-01	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.74121+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.90183-02	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.29503-01	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44856+03	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.52986+03	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	2.85529+03	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.38766+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.57347+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.27496+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.53369+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.56763+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.91542-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.09850+00	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.48782+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.07654-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.77195-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.20410-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.19212-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.10438-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.84244-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.95820-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.12549-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.25110-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.85288-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.67169-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.76037-03	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.5	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.4	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.7	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.4	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.7	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	113.3	GOOD	DEGF

E-O-J



PROGRAM NAME :LRGTS2.E
E. GINNA NUCLEAR POWER PLANT

SEPT 11,91
10:00:33

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	1656.	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	2.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.0	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	57.4	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.6	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.50778-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.96339-00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.13619-01	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.78545+01	GOOD	MR/M
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.99141-02	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.27897-01	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44859+03	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.54242+03	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	2.85205+03	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.33716+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.59072+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.23836+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.56100+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.56389+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.99208-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.06635+00	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.45188+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.09272-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.77445-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.24379-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.13114-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.16008-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.89357-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.96012-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.15614-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.21872-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.88431-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.60247-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.74365-03	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.3	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.2	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.5	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	113.0	GOOD	DEGF

E-0-J

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

SEPT 11,91
10:15:09

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	1651.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.7	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	5.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	58.2	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	56.6	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-1.6	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.59023-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.96759+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.17109-01	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.78926+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.95038-02	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.22740-01	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44862+03	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.54669+03	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	2.89202+03	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.30325+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.53975+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.29835+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.54630+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.58775+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.91114-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.01868+00	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.46197+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.01091-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.74308-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.26255-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.12679-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.17245-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.83062-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.95880-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.19343-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.27418-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.85873-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.64429-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.75608-03	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.2	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.3	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.2	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.6	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	110.3	GOOD	DEGF

E-0-J



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

SEPT 11,91
10:30:31

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	1651.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	W5033	33 FOOT LEVEL WIND SPEED	5.0	GOOD	MPH
4	W0033	33 FOOT LEVEL WIND DIRECTION	7.	GOOD	DEG.
5	W7033	33 FOOT LEVEL TEMPERATURE	57.7	GOOD	DEGF
6	W7250	250 FOOT LEVEL TEMPERATURE	56.2	GOOD	DEGF
7	W072	250 TO 33 FOOT LEVEL DELTA TEMP	-1.5	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.53591-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.99404+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.17327-01	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.78260+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.96621-02	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.25101-01	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44865+03	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.59378+03	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	2.89781+03	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.34322+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.50368+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.22190+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.56142+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.54016+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.93545-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.06539+00	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.47078+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.05987-07	GOOD	UC1/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.73502-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.23936-05	GOOD	UC1/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.17269-03	GOOD	UC1/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.14800-06	GOOD	UC1/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.82556-05	GOOD	UC1/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.91435-03	GOOD	UC1/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.16129-06	GOOD	UC1/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.27881-05	GOOD	UC1/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.84789-04	GOOD	UC1/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.64071-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.72382-03	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.1	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.1	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.5	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.5	GOOD	DEGF

E-0-J



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

SEPT 11,91
10:45:35

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	1656.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	G000	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.1	G000	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	5.	G000	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.1	G000	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	59.5	G000	DEGF
7	WOT2	250 TO 33 FOOT LEVEL DELTA TEMP	0.6	G000	DEGF
8	R01	AREA 1-CONTROL ROOM	8.55613-02	G000	MR/H
9	R02	AREA 2-CONTAINMENT	6.94230+00	G000	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.16887-01	G000	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.78195+01	G000	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.99274-02	G000	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.29416-01	G000	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44868+03	G000	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.57007+03	G000	CPM
16	R12	CONTAINMENT GAS MONITOR	2.86345+03	G000	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.40951+01	G000	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.53411+01	G000	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.26809+01	G000	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.52885+03	G000	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.51042+03	G000	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.93854-01	G000	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.04067+00	G000	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.43591+02	G000	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.01237-07	G000	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.72594-02	G000	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.27636-05	G000	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.10917-03	G000	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.14740-06	G000	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.85315-05	G000	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.96925-03	G000	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.11739-06	G000	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.24637-05	G000	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.81696-04	G000	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.62138-02	G000	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.70880-03	G000	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	G000	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.2	G000	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.3	G000	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.5	G000	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.2	G000	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.5	G000	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.4	G000	DEGF

E-0-J



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

SEPT 11,91
11:00:28

TREND GROUP ASSIGNMENT SUMMARY

GROUP NAME GROUP DESCRIPTION
EVENT 2 PROCEDURE: EPIP 1-5 PLANT STATUS

POINT ID	DESCRIPTION	CURRENT VALUE	QUALITY CODE	ENGR UNITS	
1	F0619	COMPONENT COOLING LOOP TOTAL FLW	1660.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.0	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	359.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	58.8	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	59.4	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	0.6	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.58452-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	6.99270+00	GOOD	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.16414-01	GOOD	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.77397+01	GOOD	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.96157-02	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.26330-01	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44871+03	GOOD	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.58055+03	GOOD	CPM
16	R12	CONTAINMENT GAS MONITOR	2.89768+03	GOOD	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.40212+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.54520+01	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.29138+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.58429+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.51193+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.90535-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.06725+00	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.41477+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.00582-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.71432-02	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.26736-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.16894-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.10208-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.89498-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.91660-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.15742-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.27548-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.85789-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.62347-02	GOOD	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.73935-03	GOOD	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.1	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.2	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.7	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.4	GOOD	DEGF

E-0-J



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

SEPT 11,91
11:15:32

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	1660.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.5	G000	%
3	WS033	33 FOOT LEVEL WIND SPEED	3.3	G000	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	17.	G000	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.6	G000	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	59.5	G000	DEGF
7	WT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.1	G000	DEGF
8	R01	AREA 1-CONTROL ROOM	8.51106-02	G000	MR/H
9	R02	AREA 2-CONTAINMENT	6.91022+00	G000	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.16390-01	G000	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	6.79488+01	G000	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.91575-02	G000	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.22357-01	G000	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	1.44874+03	G000	CPM
15	R11	CONTAINMENT AIR PARTICULATE	5.53489+03	G000	CPM
16	R12	CONTAINMENT GAS MONITOR	2.81164+03	G000	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.49301+01	G000	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.50660+01	G000	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	2.24723+01	G000	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	6.52899+03	G000	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	1.57548+03	G000	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.96208-01	G000	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.04272+00	G000	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.45586+02	G000	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.03148-07	G000	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	6.78396-02	G000	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.27856-05	G000	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.12294-03	G000	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.11103-06	G000	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.89790-05	G000	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.90067-03	G000	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.15314-06	G000	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.22197-05	G000	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.88405-04	G000	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.63851-02	G000	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.77738-03	G000	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	G000	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	94.1	G000	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	105.2	G000	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	104.3	G000	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	101.8	G000	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	101.7	G000	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	112.0	G000	DEGF

E-0-J

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

SEPT 11,91
11:30:35

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	1701.	LALM	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	45.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	58.2	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	58.1	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.1	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.50742-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	1.10456+02	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.74788+00	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	2.40641+04	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.13423+02	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	2.26654+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	7.04183+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	1.32205+02	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	9.06134+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	8.47883+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	2.91432+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	9.97356-01	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.00543+00	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.41290+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.03259-07	GOOD	UC1/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	4.99983+00	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.20961-05	GOOD	UC1/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.16866-03	GOOD	UC1/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.14345-06	GOOD	UC1/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.89487-05	GOOD	UC1/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.94707-03	GOOD	UC1/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.15322-06	GOOD	UC1/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.29834-05	GOOD	UC1/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.89566-04	GOOD	UC1/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.74518-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.52283-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	198.8	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	198.7	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	198.4	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	198.9	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	198.1	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	208.9	GOOD	DEGF

E-0-J



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

SEPT 11,91
11:31:39

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	1701.	LALM	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	45.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	58.2	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	58.1	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.1	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.50742-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	1.20436+03	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.74788+00	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	2.40641+04	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.13423+02	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	2.26654+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	7.04183+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	1.32205+02	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	9.06134+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	8.47883+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	2.91432+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	1.27656+00	GOOD	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.40743+00	GOOD	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.41290+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.03259-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	4.99983+00	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.20961-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.16866-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.14345-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.89487-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.94707-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.15322-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.29834-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.89566-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.74518-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.52283-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	198.8	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	204.7	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	205.4	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	205.9	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	206.9	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	215.9	GOOD	DEGF

E-0-J

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

SEPT 11,91
11:35:31

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	1701.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	94.0	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.8	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	45.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	58.2	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	58.1	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.1	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.50742-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	5.00321+04	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.74788+00	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	2.40641+04	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	9.13423+02	GOOD	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	2.26654+00	GOOD	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	7.04183+01	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	1.32205+02	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	9.06134+01	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	8.47883+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	2.91432+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	5.00875+01	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	5.40743+01	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.41290+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.03259-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	8.54221+00	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.20961-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.16866-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.14345-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.89487-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.94707-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.15322-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.29834-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.89566-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.74518-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.52283-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	.0	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	200.4	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	212.7	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	211.4	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	211.9	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	210.9	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	220.6	GOOD	DEGF

E-0-J



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

SEPT 11,91
11:40:23

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	892.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	93.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.8	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	65.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	58.3	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	58.2	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.1	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.57013-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	2.23421+05	HALM	MR/H
10	R05	AREA 5-SPEUT FUEL PIT	2.84733+01	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.55675+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	1.30765+03	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	2.75342+01	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.35128+02	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	1.72579+02	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	1.41598+02	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99899+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	2.98933+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	2.23221+02	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	2.46744+02	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.40610+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.09165-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	1.00144+01	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.29342-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.12346-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.19330-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.85660-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.99186-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.15275-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.22108-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.81184-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.77532-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.56637-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	0.1	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	211.8	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	215.7	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	215.4	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	215.9	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	214.1	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	225.6	GOOD	DEGF

E-0-J



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

SEPT 11,91
11:45:27

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	892.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	93.1	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.8	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	65.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	58.3	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	58.2	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.1	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.57013-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	1.16932+06	HALM	MR/H
10	R05	AREA 5-SPEUT FUEL PIT	2.84733+01	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.55675+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	1.30765+03	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	2.75342+01	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.35128+02	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	1.72579+02	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	1.41598+02	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99899+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	2.98933+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	1.16494+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	1.23569+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.40610+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.09165-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	1.00144+01	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.29342-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.12346-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.19330-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.85660-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.99186-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.15275-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.22108-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.81184-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.77532-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.56637-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	0.1	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	221.8	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	221.7	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	221.4	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	221.9	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	220.1	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	232.9	GOOD	DEGF

E-0-J

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

SEPT 11,91
12:00:09

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	1719.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	92.2	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.2	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	67.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	58.8	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	58.7	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.1	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.59784-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.10648+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	3.24322+01	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.55675+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	1.23956+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	3.16758+01	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	1.80598+02	GOOD	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	2.25845+02	GOOD	CPM
	R14	AUX BLDG EXHAUST GAS MONITOR	1.98099+02	GOOD	CPM
	R18	LIQUID WASTE DISPOSAL MONITOR	9.57599+03	GOOD	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	4.09413+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.10577+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.49732+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	8.40775+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.06006-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.55214+01	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.25802-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.18152-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.11118-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.84475-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.92932-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.13934-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.24356-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.89687-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.79707-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.51210-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	0.8	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	214.9	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	214.3	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	214.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	214.8	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	214.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	224.5	GOOD	DEGF

E-0-J



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

SEPT 11,91
12:15:32

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	1107.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	91.9	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.1	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	67.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.4	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	59.3	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.1	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	2.05994-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.13493+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	7.35131+04	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.55675+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.01386+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93225+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.99999+06	HALM	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	9.99999+06	HALM	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.10577+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.49732+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.01512+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.00658-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	1.44352+02	HALM	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.28143-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.13285-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	9.98762-03	HALM	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.01602+01	HALM	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	1.01601+01	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.14978-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.28052-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.84677-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.52557+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.76573-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	1.3	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	210.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	210.0	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	210.6	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	210.6	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	210.2	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	220.1	GOOD	DEGF

E-0-J

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

SEPT 11,91
12:30:22

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	934.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	91.6	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.6	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	68.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	59.8	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	59.4	GOOD	DEGF
7	WOT2	250 TO 33 FOOT LEVEL DELTA TEMP	7.6	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	2.03648-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.10648+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	7.35131+04	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.50887+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.01386+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93225+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.99999+06	HALM	CPM
	R14	AUX BLDG EXHAUST GAS MONITOR	9.99999+06	HALM	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.10577+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.49732+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.01153+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.06729-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	1.44352+02	HALM	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.24901-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.14990-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	9.98762-03	HALM	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.01601+01	HALM	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	1.01602+01	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.14989-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.27268-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.81633-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.52510+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.76848-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	1.3	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	207.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	207.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	207.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	207.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	207.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	219.5	GOOD	DEGF

E-O-J



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

SEPT 11,91
12:45:11

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	926.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	91.2	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.9	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	68.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	60.3	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	59.9	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.4	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	2.05284-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.10648+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	7.35370+04	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.44342+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.01652+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93931+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.99999+06	HALM	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	9.99999+06	HALM	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.10577+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.49732+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.01209+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.09912-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	1.44560+02	HALM	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.28341-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.16304-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	9.98788-03	HALM	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.01664+01	HALM	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	1.01614+01	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.13876-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.27578-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.85275-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.52027+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.76563-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	1.3	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	205.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	205.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	205.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	205.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	205.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	216.5	GOOD	DEGF

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	0.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	90.9	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	4.9	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	65.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	60.9	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	60.5	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.4	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	2.01021-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.10648+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	7.35446+04	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.39784+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.01386+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93081+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.99999+06	HALM	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	9.99999+06	HALM	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.10577+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.49732+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.01447+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.05250-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	1.44851+02	HALM	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.23929-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.16089-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	9.98539-03	HALM	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.01772+01	HALM	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	1.01736+01	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.14818-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.24314-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.87052-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.52590+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.74581-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	1.3	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	204.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	204.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	204.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	204.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	204.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	214.5	GOOD	DEGF

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

SEPT 11,91
13:15:31

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	0.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	90.5	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.3	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	68.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	60.9	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	60.1	GOOD	DEGF
7	WT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.4	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	2.03289-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.10648+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	7.35990+04	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.34508+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.01652+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93021+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.99999+06	HALM	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	9.99999+06	HALM	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.10276+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.49210+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.06637+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.07736-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	1.44254+02	HALM	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.20958-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.18329-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	9.98091-03	HALM	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.01925+01	HALM	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	1.01606+01	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.10553-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.27216-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.84481-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.52813+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.74507-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	1.3	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	204.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	204.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	204.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	204.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	204.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	211.5	GOOD	DEGF

E-0-J

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

SEPT 11,91
13:30:20

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	0.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	90.2	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.0	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	66.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	61.0	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	60.6	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.4	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	2.07489-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.10648+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	7.35453+04	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.29548+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.01921+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93596+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.99999+06	HALM	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	9.99999+06	HALM	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.09657+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.48449+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.02208+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.08095-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	1.44601+02	HALM	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.22486-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.11714-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	9.98630-03	HALM	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.01537+01	HALM	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	1.01371+01	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.12232-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.22090-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.80428-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.51276+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.76181-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	1.3	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	203.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	203.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	203.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	203.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	203.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	209.5	GOOD	DEGF

E-O-J

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

SEPT 11,91
13:45:20

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	0.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	89.8	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.1	GOOD	MPH
4	W0033	33 FOOT LEVEL WIND DIRECTION	65.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	61.7	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	61.3	GOOD	DEGF
7	W0T2	250 TO 33 FOOT LEVEL DELTA TEMP	-0.4	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	2.04071-01	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.10510+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	7.35337+04	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	3.24476+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	8.01654+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93587+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	9.99999+06	HALM	CPM
	R14	AUX BLDG EXHAUST GAS MONITOR	9.99999+06	HALM	CPM
	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.08432+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.47661+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	1.01512+03	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.04925-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	1.44938+02	HALM	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.29653-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.12090-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	9.98402-03	HALM	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.01286+01	HALM	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	1.01764+01	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.14989-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.23987-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.84715-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	1.52399+00	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	8.76853-01	HALM	MR/HR
37	CVH	CV HY DROGEN CONCENTRATION	1.3	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	203.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	203.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	203.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	203.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	203.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	209.5	GOOD	DEGF

E-O-J



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

SEPT 11,91
14:00:20

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	0.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	89.8	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.6	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	69.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	61.8	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	62.8	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	1.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.52165-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.10425+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	2.18854+04	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	2.84531+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	1.63724+03	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.91181+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
	R13	AUX BLDG EXHAUST AIR PARTICULATE	2.25431+05	HALM	CPM
	R14	AUX BLDG EXHAUST GAS MONITOR	3.05207+06	HALM	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.06908+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.46438+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	9.27657+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.09814-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	1.10321+02	HALM	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.23201-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.11625-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	9.98762-03	HALM	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.81321-01	HALM	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	1.96518-01	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.14989-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.23774-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.85218-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.77532-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.56637-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	1.3	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	203.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	203.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	203.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	203.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	203.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	209.5	GOOD	DEGF

E-O-J

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

SEPT 11,91
14:15:20

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	0.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	89.8	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	7.0	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	69.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	61.7	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	62.7	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	1.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.50357-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.10201+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	8.52342+03	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	2.64118+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	1.63654+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93474+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	6.33721+04	HALM	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	3.06003+04	HALM	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.05331+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.45121+02	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	9.27567+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.09814-07	GOOD	UC1/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	5.32401+01	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.28713-05	GOOD	UC1/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.12862-03	GOOD	UC1/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.18095-03	GOOD	UC1/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.82132-03	GOOD	UC1/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	2.16518-03	GOOD	UC1/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.17039-06	GOOD	UC1/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.26681-05	GOOD	UC1/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.81039-04	GOOD	UC1/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.77585-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.56593-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	1.3	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	203.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	203.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	203.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	203.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	203.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	209.5	GOOD	DEGF

E-0-J



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

SEPT 11,91
14:30:20

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	0.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	89.8	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	7.9	GOOD	MPH
4	W0033	33 FOOT LEVEL WIND DIRECTION	71.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	61.5	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	62.5	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	1.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.51754-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.10137+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	5.65590+03	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	2.54118+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	1.63204+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93157+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	5.99455+02	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	4.33562+02	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.04776+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.45875+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	9.27412+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.06913-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	3.12780+01	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.26034-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.18276-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.17654-05	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	1.02132-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.96518-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.18389-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.25495-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.87123-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.75400-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.59266-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	0.9	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	203.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	203.5	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	203.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	203.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	203.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	209.5	GOOD	DEGF

E-0-J



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

SEPT 11,91
14:45:20

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	0.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	89.8	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	6.7	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	83.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	61.6	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	62.6	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	1.0	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.58106-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.10057+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	3.19893+03	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	2.44118+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	1.66269+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93498+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	2.25431+02	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	1.98207+02	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.03776+02	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.44432+02	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	9.29524+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.01734-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.52981+01	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.23035-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.10723-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.18095-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.82132-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.96518-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.10715-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.24676-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.89012-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.77230-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.59549-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	0.9	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	203.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	203.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	203.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	203.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	203.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	209.5	GOOD	DEGF

E-0-J



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

SEPT 11,91
15:00:20

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	0.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	89.8	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	7.3	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	85.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	61.8	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	62.0	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	0.2	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.52165-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.08943+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	3.18943+03	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	2.24118+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	1.63724+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93225+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	2.25431+02	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	1.98207+02	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.02998+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.33544+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	9.27657+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.09814-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.55214+01	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.23201-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.11625-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.18095-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.82132-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.96518-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.14989-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.23774-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.85218-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.77532-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.56637-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	0.9	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	203.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	203.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	203.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	203.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	203.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	209.5	GOOD	DEGF

E-O-J



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

SEPT 11,91
15:15:20

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	0.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	89.8	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.0	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	67.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	62.1	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	62.3	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	0.2	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.52165-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.08143+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	3.15387+03	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	2.14118+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	1.63724+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93225+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	2.25431+02	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	1.98207+02	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	3.65432+03	GOOD	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.01443+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.32435+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	9.27657+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.09814-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.55214+01	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.23201-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.11625-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.18095-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.82132-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.96518-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.14989-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.23774-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.85218-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.77532-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.56637-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	0.9	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	203.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	203.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	203.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	203.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	203.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	209.5	GOOD	DEGF

E-O-J

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

SEPT 11,91
15:30:20

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	0.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	89.8	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.0	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	64.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	62.1	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	62.3	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	0.2	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.52165-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.07399+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	3.14382+03	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	2.04118+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	1.63724+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93225+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	2.25431+02	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	1.98207+02	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	3.00994+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.31324+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	9.27657+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.09814-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.55214+01	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.23201-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.11625-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.18095-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.82132-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.96518-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.14989-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.23774-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.85218-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.77532-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.56637-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	0.9	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	203.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	203.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	203.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	203.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	203.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	209.5	GOOD	DEGF

E-0-J



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

SEPT 11, 91
15:45:20

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	0.	LALM	GPM
2	LRWST	REFUELING WATER STORAGE TANK LVL	89.8	GOOD	%
3	WS033	33 FOOT LEVEL WIND SPEED	5.0	GOOD	MPH
4	WD033	33 FOOT LEVEL WIND DIRECTION	65.	GOOD	DEG.
5	WT033	33 FOOT LEVEL TEMPERATURE	61.7	GOOD	DEGF
6	WT250	250 FOOT LEVEL TEMPERATURE	61.9	GOOD	DEGF
7	WDT2	250 TO 33 FOOT LEVEL DELTA TEMP	0.2	GOOD	DEGF
8	R01	AREA 1-CONTROL ROOM	8.52165-02	GOOD	MR/H
9	R02	AREA 2-CONTAINMENT	3.00853+06	HALM	MR/H
10	R05	AREA 5-SPENT FUEL PIT	3.12732+03	HALM	MR/H
11	R09	AREA 9-LETDOWN LINE MONITOR	2.04118+06	HALM	MR/H
12	R34	AREA 34-AUX BLDG CV SPRAY PUMP	1.63724+04	HALM	MR/H
13	R35	AREA 35-PASS SAMPLE PANEL	1.93225+03	HALM	MR/H
14	R10A	CONTAINMENT IODINE MONITOR R10A	9.99999+06	HALM	CPM
15	R11	CONTAINMENT AIR PARTICULATE	9.99999+06	HALM	CPM
16	R12	CONTAINMENT GAS MONITOR	9.99999+06	HALM	CPM
17	R10B	PLANT VENT IODINE MONITOR R10B	9.99999+06	HALM	CPM
18	R13	AUX BLDG EXHAUST AIR PARTICULATE	2.25431+02	GOOD	CPM
19	R14	AUX BLDG EXHAUST GAS MONITOR	1.98207+02	GOOD	CPM
20	R18	LIQUID WASTE DISPOSAL MONITOR	9.99999+06	HALM	CPM
21	R19	STEAM GENERATOR BLOWDOWN DRAIN	9.99999+05	HALM	CPM
22	R29	AREA 29-CONTAINMENT HIGH RANGE	2.99653+03	HALM	R/HR
23	R30	AREA 30-CONTAINMENT HIGH RANGE	3.30289+03	HALM	R/HR
24	R15	CONDENSER AIR EJECTOR EXHAUST	9.27657+02	GOOD	CPM
25	R12A5	CV VENT CHAN 5-LOW RANGE GAS	2.09814-07	GOOD	UCI/CC
26	R12A6	CV VENT CHAN 6-AREA GAMMA	2.55214+01	GOOD	MR/HR
27	R12A7	CV VENT CHAN 7-MID RANGE GAS	4.23201-05	GOOD	UCI/CC
28	R12A9	CV VENT CHAN 9-HIGH RANGE GAS	8.11625-03	GOOD	UCI/CC
29	R14A5	PLANT VENT CHAN 5-LOW RANGE GAS	1.18095-06	GOOD	UCI/CC
30	R14A7	PLANT VENT CHAN 7-MID RANGE GAS	2.82132-05	GOOD	UCI/CC
31	R14A9	PLANT VENT CHAN 9-HIGH RANGE GAS	9.96518-03	GOOD	UCI/CC
32	R15A5	AIR EJECTOR CHAN 5-LOW RANGE GAS	7.14989-06	GOOD	UCI/CC
33	R15A7	AIR EJECTOR CHAN 7-MID RANGE GAS	1.23774-05	GOOD	UCI/CC
34	R15A9	AIR EJECTOR CHAN 9-HI RANGE GAS	9.85218-04	GOOD	UCI/CC
35	R31	AREA 31 STEAM LINE A (SPING)	3.77532-01	HALM	MR/HR
36	R32	AREA 32 STEAM LINE B (SPING)	3.56637-01	HALM	MR/HR
37	CVH	CV HYDROGEN CONCENTRATION	0.9	GOOD	%
38	TCV03	CV BASEMENT LVL 6 FT TEMP #3	203.2	GOOD	DEGF
39	TCV07	CV INTERMEDIATE LVL 6 FT TEMP #7	203.9	GOOD	DEGF
40	TCV08	CV INTERMEDIATE LVL 6 FT TEMP #8	203.9	GOOD	DEGF
41	TCV09	CV INTERMEDIATE LVL 6 FT TEMP #9	203.1	GOOD	DEGF
42	TCV10	CV INTERMEDIATE LVL 6 FT TEMP #10	203.3	GOOD	DEGF
43	TCV17	CV OPERATING LVL 6 FT TEMP #17	209.5	GOOD	DEGF

E-0-J



SECTION 9.3

IN-PLANT AND POST-ACCIDENT SAMPLING RESULTS



TABLE 9.2

REACTOR COOLANT SYSTEM SAMPLE ACTIVITY
EQUILIBRIUM ACTIVITY

(AS OF 0500 HR, 9/11/91)

<u>Nuclide</u>	<u>Corrected Concentration (UCI/GM)</u>
I-131	4.1E-03
I-132	7.8E-02
I-133	4.9E-02
I-134	1.5E-01
I-135	9.2E-02
Total Iodine	3.7E-01
I-131 Dose Equivalent	1.7E-02
Kr-85	6.0E-02
Kr-85m	1.2E-02
Kr-87	2.1E-02
Kr-88	3.0E-02
Xe-131m	6.6E-03
Xe-133	8.0E-02
Xe-133M	3.1E-03
Xe-135	9.0E-02
Xe-135m	3.0E-02
Total Gas	3.1E-01
**** TOTAL RCS ACTIVITY ****	6.8E-01 MICROCURIES/GRAM



TABLE 9.3A

REACTOR COOLANT SYSTEM SAMPLE:
GAS COLLECTION BOMB

(Collection Between 0630-1130)

<u>Nuclide</u>	<u>Concentration (UCI/GM)</u> <u>Corrected to Time of Shutdown</u>
Kr-85	6.3 E-02
Kr-85m	1.3 E-02
Kr-87	1.9 E-02
Kr-88	3.1 E-02
Xe-131m	6.8 E-03
Xe-133	7.8 E-02
Xe-133m	3.1 E-03
Xe-135	9.2 E-02
Xe-135m	3.1 E-02
Total Gas	3.4 E-01

Undiluted Sample Dose Rate at 1 Meter	=	< 0.01	MR/HR
Undiluted Sample Dose Rate at Contact	=	0.02	R/HR
Diluted Sample Dose Rate at 1 Meter	=	< 0.01	MR/HR
Diluted Sample Dose Rate at Contact	=	0.02	MR/HR

* NOTE: Dose rates based upon assumed use of 12 cc sample.

TABLE 9.3B

REACTOR COOLANT SYSTEM SAMPLE:
GAS COLLECTION BOMB

(Collection Between 1131-1500)

<u>Nuclide</u>	<u>Concentration (UCI/GM)</u> <u>Corrected to Time of Shutdown</u>
Kr-85	2.2 E+01
Kr-85m	2.0 E+03
KR-87	3.6 E+03
Kr-88	5.3 E+03
Xe-131m	5.7 E+01
Xe-133	1.8 E+04
Xe-133m	2.6 E+03
Xe-135	3.5 E+03
Xe-135m	7.0 E+03
Total Gas	4.2 E+04

Undiluted Sample Dose Rate at 1 Meter	=	170	MR/HR
Undiluted Sample Dose Rate at Contact	=	430	R/HR
Diluted Sample Dose Rate at 1 Meter	=	0.2	MR/HR
Diluted Sample Dose Rate at Contact	=	440	MR/HR

* NOTE: Dose rates based upon assumed use of 12 cc sample.



TABLE 9.4A

PRIMARY COOLANT SAMPLE:
DEGASSED ACTIVITY

(Collection Between 0630-1130)

<u>Nuclide</u>	<u>Concentration (UCI/GM)</u> <u>Corrected to Time of Shutdown</u>
I-131	4.5 E-03
I-132	8.1 E-02
I-133	5.1 E-02
I-134	1.3 E-03
I-135	9.0 E-02
CS-134	2.0 E-04
CS-137	4.1 E-04
BA-140	5.1 E-05
LA-140	5.0 E-05
Total Iodine	2.3 E-01
I-131 Dose Equivalent	1.6 E-02
Total Degassed Activity	2.3 E-01
Undiluted Sample Dose Rate at 1 Meter	= < 0.01 MR/HR
Undiluted Sample Dose Rate at Contact	= 0.01 R/HR
Diluted Sample Dose Rate at 1 Meter	= < 0.01 MR/HR
Diluted Sample Dose Rate at Contact	= 0.01 MR/HR

* NOTE: Dose rates based upon assumed use of 12 cc sample.



TABLE 9.4B

PRIMARY COOLANT SAMPLE:
DEGASSED ACTIVITY

(Collection Between 1131-1500)

<u>Nuclide</u>	<u>Concentration (UCI/GM)</u> <u>Corrected to Time of Shutdown</u>		
I-131	8.9	E+03	
I-132	1.3	E+04	
I-133	1.8	E+04	
I-134	1.1	E+03	
I-135	1.6	E+04	
CS-134	2.0	E+02	
CS-137	4.0	E+02	
BA-140	7.1	E+01	
LA-140	6.9	E+01	
Total Iodine	5.7	E+04	
I-131 Dose Equivalent	2.5	E+04	
Total Degassed Activity	6.9	E+04	
Undiluted Sample Dose Rate at 1 Meter	=	280	MR/HR
Undiluted Sample Dose Rate at Contact	=	700	R/HR
Diluted Sample Dose Rate at 1 Meter	=	0.33	MR/HR
Diluted Sample Dose Rate at Contact	=	720	MR/HR

* NOTE: Dose rates based upon assumed use of 12 cc sample.



TABLE 9.5A

CONTAINMENT SUMP SAMPLE:
DEGASSED ACTIVITY

(Collection Between 1130-1500)

<u>Nuclide</u>	<u>Concentration (UCI/GM)</u> <u>Corrected to Time of Shutdown</u>		
I-131	4.7	E+03	
I-132	3.9	E+03	
I-133	7.8	E+03	
I-134	1.1	E+03	
I-135	1.2	E+03	
CS-134	1.9	E+02	
CS-137	4.0	E+02	
BA-140	5.0	E+01	
LA-140	4.9	E+01	
Total Iodine	1.9	E+04	
I-131 Dose Equivalent	8.3	E+03	
Total Degassed Activity	2.0	E+04	
Undiluted Sample Dose Rate at 1 Meter	=	90	MR/HR
Undiluted Sample Dose Rate at Contact	=	230	R/HR
Diluted Sample Dose Rate at 1 Meter	=	0.1	MR/HR
Diluted Sample Dose Rate at Contact	=	240	MR/HR

* NOTE: Dose rates based upon assumed use of 12 cc sample.



TABLE 9.6A
CONTAINMENT AIR SAMPLE:

(Collection Between 1130-1500)

<u>Nuclide</u>	<u>Concentration (UCI/CC)</u> <u>Corrected to Time of Shutdown</u>		
Kr-85	4.7	E-02	
Kr-85m	3.9	E+00	
Kr-87	7.8	E+00	
Kr-88	1.1	E+01	
Xe-131m	1.2	E-01	
Xe-133	3.9	E+01	
Xe-133m	5.6	E+00	
Xe-135	7.4	E+00	
Xe-135m	7.5	E-02	
Total Gas	7.5	E+01	
I-131	1.9	E+01	
I-132	2.8	E+01	
I-133	3.9	E+01	
I-134	1.0	E+01	
I-135	3.5	E+01	
Total Iodine	1.2	E+02	
CS-134	2.0	E+00	
CS-137	4.0	E+00	
BA-140	LESS THAN LLD		
LA-140	LESS THAN LLD		
Undiluted Sample Dose Rate at 1 Meter	=	0.8	MR/HR
Undiluted Sample Dose Rate at Contact	=	2.0	R/HR
Diluted Sample Dose Rate at 1 Meter	=	<0.01	MR/HR
Diluted Sample Dose Rate at Contact	=	2.1	MR/HR

* NOTE: Dose rates based upon assumed use of 10 cc sample.



TABLE 9.7

CONTAINMENT HYDROGEN CONCENTRATION

<u>TIME</u>	<u>HYDROGEN (VOL.%)</u>
0630-1130	0.0
1131-1150	0.1
1151-1214	0.8
1214-1415	1.3
1416-1500	0.9



TABLE 9.8

RCS AND SUMP BORON/pH DATA

<u>Sample</u>	<u>Time</u>	<u>ppm Boron</u>	<u>pH</u>
RCS	0645-1133	555	6.8
Sump		< 10	7.5

NOTE: Safety Injection starts at 1133 hr (LOCA)

RCS	After 1133	2300	5.4
Sump		2100	5.5



TABLE 9.9

CONTINUOUS AIR MONITOR READINGS IN 'AUXILIARY BUILDING

(READINGS IN COUNTS PER MINUTE) .

<u>0630-1130 hrs:</u>	<u>GAS</u>	<u>IODINE</u>	<u>PARTICULATE</u>
TOP FLOOR	50	100	100
INTERMEDIATE FLOOR	50	100	100
BASEMENT FLOOR	100	200	200
<u>1131-1215 hrs:</u>			
TOP FLOOR	100	200	200
INTERMEDIATE FLOOR	100	200	200
BASEMENT FLOOR	200	300	200
<u>1216-1500 hrs:</u>			
TOP FLOOR	----- TOP OF SCALE * -----		
INTERMEDIATE FLOOR	----- TOP OF SCALE * -----		
BASEMENT FLOOR	----- TOP OF SCALE * -----		

NOTE : * = CAM ALARMING



TABLE 9.10

AIR SAMPLE RESULTS IN TSC AND CONTROL ROOM
(READINGS IN MICROCURIES/CUBIC CENTIMETER)

0630-1215 hrs:

IODINE

PARTICULATE

TSC

1 E-10

2 E-10

CONTROL ROOM

2 E-10

4 E-10

1216-1500 hrs:

TSC

2 E-10

4 E-10

CONTROL ROOM

4 E-10

6 E-10



SECTION 10.0

METEOROLOGICAL AND OFFSITE RADIOLOGICAL DATA



SECTION 10.1

METEOROLOGICAL DATA

(PLUME DIRECTION, WEATHER FORECASTS AND TOWER DATA)



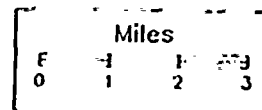
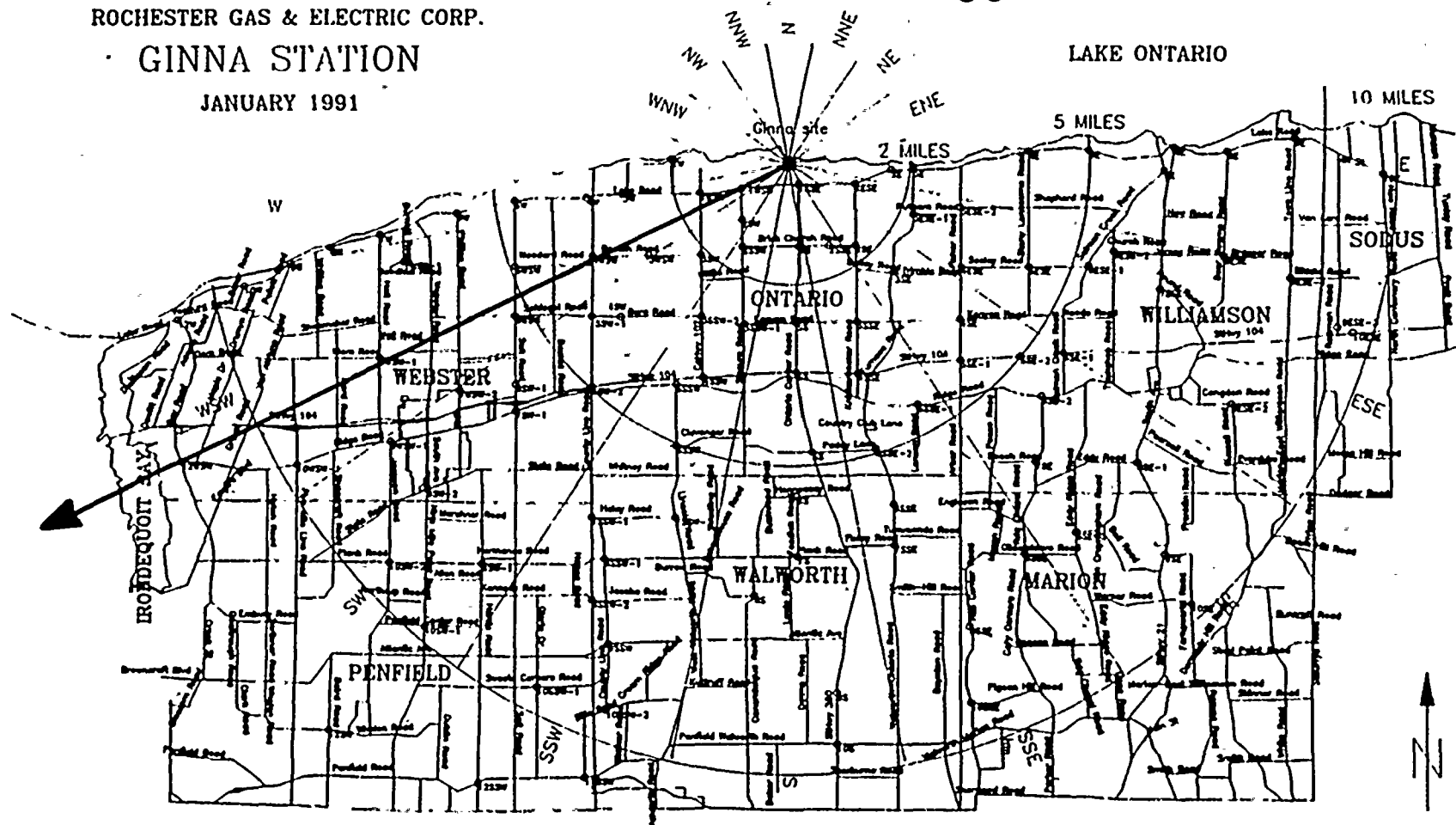
ROCHESTER GAS & ELECTRIC CORP.

GINNA STATION

JANUARY 1991

65°

LAKE ONTARIO



Center for Governmental Research Inc.



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 June 20, 1990. Minor editing 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 New York State 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 will begin with light, northwesterly winds which will shift and become northeasterly by late-morning.

During the period of release (1215-1345 hr), the average meteorological conditions are as follows:

Wind Speed = 5 mph (at 33 ft)

Wind Direction = 65 degrees (at 33 ft; wind from)

Pasquill Stability = E



257



TABLE 10.1

WEATHER FORECAST INFORMATION

SEPTEMBER 11, 1991

6:30 AM - 3:00 PM

LAKE ONTARIO FORECAST :

TODAY: NORTHWESTERLY WINDS WILL BE SHIFTING NORTHEASTERLY BY LATE-MORNING. TEMPERATURES EXPECTED IN THE MID- TO UPPER 70'S. WINDS WILL REMAIN FROM THE NORTHEAST AT 5 MPH THROUGHOUT THE REMAINDER OF THE AFTERNOON. WINDS SHIFTING SOUTHEASTERLY BY EARLY EVENING AND THEN BECOMING WESTERLY LATER TONIGHT.

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

	<u>07:30</u>	RECORD NUMBER <u>3980</u>			RG&E GINNA PLANT		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>	
SPD 33A	4.5	MPH	0	0.7	2.6	6.2	
SPD 33B	4.5	MPH	0	0.8	2.1	6.9	
SPD 150A	4.7	MPH	0	0.5	4.3	6.9	
SPD 150B	0	MPH	2	0	0	0	
SPD 250	4.1	MPH	0	2.5	3.3	13.4	
DIR 33A	337	DEG	3	62	292	8	
DIR 33B	336	DEG	0	13	274	348	
DIR150A	335	DEG	0	8	301	348	
DIR150B	0	DEG	2	0	0	0	
DIR250	332	DEG	0	7	306	366	
TER 33A	58.8	F	0				
TER 33B	59.0	F	0				
TER150A	58.1	F	0				
TER150B	58.0	F	1				
TER250A	57.5	F	0				
TER250B	57.5	F	0				
DT150-33A	-0.8	F/	0				
DT150-33B	-1.0	F/	0				
DT250-33A	-1.3	F/	0				
DT250-33B	-1.1	F/	0				
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00	



PRINTOUT FROM GINNA PRIMARY MET. TOWER

(IBM PC TERMINAL)

AV

	<u>07:45</u>	<u>RECORD NUMBER 3981</u>			<u>RG&E GINNA PLANT</u>	
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	4.3	MPH	0	0.7	2.6	5.9
SPD 33B	4.5	MPH	0	0.9	1.8	6.8
SPD 150A	4.0	MPH	0	0.8	3.1	7.9
SPD 150B	0	MPH	2	0	0	0
SPD 250	4.5	MPH	0	2.6	2.6	13.4
DIR 33A	334	DEG	3	62	293	6
DIR 33B	335	DEG	0	11	280	348
DIR150A	334	DEG	0	7	286	353
DIR150B	0	DEG	2	0	0	0
DIR250	332	DEG	0	7	306	366
TER 33A	58.8	F	0			
TER 33B	59.0	F	0			
TER150A	58.5	F	0			
TER150B	58.4	F	0			
TER250A	57.5	F	0			
TER250B	57.4	F	0			
DT150-33A	-0.4	F/	0			
DT150-33B	-0.8	F/	0			
DT250-33A	-1.3	F/	0			
DT250-33B	-1.2	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER

(IBM PC TERMINAL)

AV

	<u>08:00</u>	<u>RECORD NUMBER 3982</u>			<u>RG&E GINNA PLANT</u>		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>	
SPD 33A	5.0	MPH	0	0.8	3.0	6.9	
SPD 33B	4.7	MPH	0	0.9	2.7	7.4	
SPD 150A	4.7	MPH	0	0.9	4.1	8.4	
SPD 150B	0	MPH	2	0	0	0	
SPD 250	4.5	MPH	0	2.4	3.1	14.9	
DIR 33A	324	DEG	0	14	285	351	
DIR 33B	324	DEG	0	13	263	364	
DIR150A	329	DEG	0	6	296	364	
DIR150B	0	DEG	2	0	0	0	
DIR250	326	DEG	0	2	280	361	
TER 33A	58.8	F	0				
TER 33B	58.9	F	0				
TER150A	57.9	F	0				
TER150B	57.6	F	0				
TER250A	57.5	F	0				
TER250B	57.6	F	0				
DT150-33A	-1.3	F/	0				
DT150-33B	-1.3	F/	0				
DT250-33A	-0.5	F/	0				
DT250-33B	-1.0	F/	0				
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00	

PRINTOUT FROM GINNA PRIMARY MET. TOWER(IBM PC TERMINAL)

AV

08:15RECORD NUMBER 3983

RG&E GINNA PLANT

<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	4.8	MPH	0	1.2	4.4	10.0
SPD 33B	4.9	MPH	0	1.5	3.1	10.5
SPD 150A	4.9	MPH	0	1.2	3.8	10.5
SPD 150B	0	MPH	2	0	0	0
SPD 250	5.2	MPH	0	2.7	4.9	6.4
DIR 33A	307	DEG	0	15	267	342
DIR 33B	302	DEG	0	12	256	309
DIR150A	299	DEG	0	7	281	316
DIR150B	0	DEG	2	0	0	0
DIR250	298	DEG	0	5	271	308
TER 33A	59.4	F	0			
TER 33B	59.6	F	0			
TER150A	58.8	F	0			
TER150B	58.5	F	0			
TER250A	58.1	F	0			
TER250B	58.3	F	0			
DT150-33A	-0.6	F/	0			
DT150-33B	-1.0	F/	0			
DT250-33A	-1.3	F/	0			
DT250-33B	-1.3	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER(IBM PC TERMINAL)

AV

	<u>08:30</u>	<u>RECORD NUMBER 3984</u>		<u>RG&E GINNA PLANT</u>		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	8.8	MPH	0	1.6	4.7	12.3
SPD 33B	8.6	MPH	0	1.6	4.6	12.8
SPD 150A	9.3	MPH	0	0.9	7.4	11.5
SPD 150B	0	MPH	2	0	0	0
SPD 250	9.1	MPH	0	2.7	5.2	15.8
DIR 33A	307	DEG	0	11	276	338
DIR 33B	308	DEG	0	9	261	318
DIR150A	300	DEG	0	7	276	320
DIR150B	0	DEG	2	0	0	0
DIR250	307	DEG	0	4	286	361
TER 33A	59.9	F	0			
TER 33B	60.1	F	0			
TER150A	59.3	F	0			
TER150B	59.3	F	0			
TER250A	59.4	F	0			
TER250B	59.6	F	0			
DT150-33A	-0.7	F/	0			
DT150-33B	-1.0	F/	0			
DT250-33A	-0.5	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

	<u>08:45</u>	RECORD NUMBER	<u>3985</u>	RG&E GINNA PLANT		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	8.2	MPH	0	1.7	3.6	12.4
SPD 33B	7.6	MPH	0	2.0	3.4	12.4
SPD 150A	8.0	MPH	0	0.9	6.7	11.3
SPD 150B	0	MPH	2	0	0	0
SPD 250	8.1	MPH	0	2.7	4.8	17.2
DIR 33A	304	DEG	0	13	267	333
DIR 33B	305	DEG	0	11	241	315
DIR150A	304	DEG	0	7	286	318
DIR150B	0	DEG	2	0	0	0
DIR250	295	DEG	0	5	267	326
TER 33A	60.1	F	0			
TER 33B	60.4	F	0			
TER150A	59.3	F	0			
TER150B	59.2	F	0			
TER250A	59.6	F	0			
TER250B	59.9	F	0			
DT150-33A	-1.3	F/	0			
DT150-33B	-1.3	F/	0			
DT250-33A	-0.5	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

	<u>09:00</u>	<u>RECORD NUMBER 3986</u>		<u>RG&E GINNA PLANT</u>		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	6.8	MPH	0	1.3	3.2	9.7
SPD 33B	6.5	MPH	0	1.6	3.1	10.4
SPD 150A	6.8	MPH	0	0.5	3.6	9.0
SPD 150B	0	MPH	2	0	0	0
SPD 250	6.9	MPH	0	2.6	4.6	14.8
DIR 33A	310	DEG	0	13	273	335
DIR 33B	308	DEG	0	11	257	319
DIR150A	313	DEG	0	6	301	331
DIR150B	0	DEG	2	0	0	0
DIR250	306	DEG	0	5	274	327
TER 33A	60.1	F	0			
TER 33B	60.4	F	0			
TER150A	59.9	F	0			
TER150B	60.2	F	0			
TER250A	59.6	F	0			
TER250B	59.9	F	0			
DT150-33A	-0.2	F/	0			
DT150-33B	-0.2	F/	0			
DT250-33A	-0.5	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

	<u>09:15</u>	<u>RECORD NUMBER 3987</u>		<u>RG&E GINNA PLANT</u>		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	5.9	MPH	0	1.3	3.2	8.8
SPD 33B	5.9	MPH	0	1.4	3.0	9.1
SPD 150A	5.5	MPH	0	0.9	4.0	8.5
SPD 150B	0	MPH	2	0	0	0
SPD 250	5.5	MPH	0	2.5	2.1	13.2
DIR 33A	315	DEG	0	16	276	357
DIR 33B	299	DEG	0	14	265	354
DIR150A	316	DEG	0	7	314	346
DIR150B	0	DEG	2	0	0	0
DIR250	317	DEG	0	5	263	285
TER 33A	59.9	F	0			
TER 33B	60.1	F	0			
TER150A	58.3	F	0			
TER150B	58.3	F	0			
TER250A	58.3	F	0			
TER250B	58.5	F	0			
DT150-33A	-1.7	F/	0			
DT150-33B	-1.8	F/	0			
DT250-33A	-1.6	F/	0			
DT250-33B	-1.6	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER

(IBM PC TERMINAL)

AV

	<u>09:30</u>	RECORD NUMBER <u>3988</u>	RG&E GINNA PLANT			
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	3.7	MPH	0	1.0	1.5	6.1
SPD 33B	3.8	MPH	0	1.2	1.3	7.3
SPD 150A	4.2	MPH	0	0.9	1.3	6.3
SPD 150B	0	MPH	2	0	0	0
SPD 250	3.7	MPH	0	2.4	0.8	9.5
DIR 33A	333	DEG	3	119	267	61
DIR 33B	326	DEG	3	138	240	44
DIR150A	348	DEG	3	139	295	95
DIR150B	0	DEG	2	0	0	0
DIR250	338	DEG	0	7	292	355
TER 33A	60.0	F	0			
TER 33B	60.3	F	0			
TER150A	58.5	F	0			
TER150B	58.4	F	0			
TER250A	58.4	F	0			
TER250B	58.5	F	0			
DT150-33A	-1.6	F/	0			
DT150-33B	-1.9	F/	0			
DT250-33A	-1.6	F/	0			
DT250-33B	-1.6	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER

(IBM PC TERMINAL)

AV

	<u>09:45</u>	RECORD NUMBER <u>3989</u>			RG&E GINNA PLANT		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>	
SPD 33A	4.4	MPH	0	1.0	1.5	7.0	
SPD 33B	4.5	MPH	0	0.9	2.2	6.9	
SPD 150A	4.2	MPH	0	0.9	1.8	6.4	
SPD 150B	0	MPH	2	0	0	0	
SPD 250	5.0	MPH	0	2.7	0.2	11.1	
DIR 33A	9	DEG	3	102	313	65	
DIR 33B	6	DEG	3	187	285	50	
DIR150A	9	DEG	3	207	279	129	
DIR150B	0	DEG	2	0	0	0	
DIR250	303	DEG	0	22	112	320	
TER 33A	59.0	F	0				
TER 33B	59.2	F	0				
TER150A	58.0	F	0				
TER150B	57.9	F	0				
TER250A	57.4	F	0				
TER250B	57.7	F	0				
DT150-33A	-1.0	F/	0				
DT150-33B	-1.3	F/	0				
DT250-33A	-1.6	F/	0				
DT250-33B	-1.6	F/	0				
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00	

PRINTOUT FROM GINNA PRIMARY MET. TOWER

(IBM PC TERMINAL)

AV

	<u>10:00</u>	RECORD NUMBER <u>3990</u>		RG&E GINNA PLANT		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	3.8	MPH	0	1.1	1.7	7.1
SPD 33B	3.7	MPH	0	1.1	1.6	6.6
SPD 150A	3.7	MPH	0	1.2	0.8	6.4
SPD 150B	0	MPH	2	0	0	0
SPD 250	3.6	MPH	0	2.9	0.7	12.0
DIR 33A	2	DEG	3	234	284	63
DIR 33B	4	DEG	3	190	274	33
DIR150A	4	DEG	3	245	275	177
DIR150B	0	DEG	2	0	0	0
DIR250	356	DEG	0	12	245	319
TER 33A	59.0	F	0			
TER 33B	59.3	F	0			
TER150A	58.3	F	0			
TER150B	58.3	F	0			
TER250A	57.4	F	0			
TER250B	57.7	F	0			
DT150-33A	-0.9	F/	0			
DT150-33B	-1.2	F/	0			
DT250-33A	-1.6	F/	0			
DT250-33B	-1.6	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER

(IBM PC TERMINAL)

AV

	<u>10:15</u>	<u>RECORD NUMBER 3991</u>		<u>RG&E GINNA PLANT</u>		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	5.7	MPH	0	0.9	2.9	7.5
SPD 33B	5.9	MPH	0	0.9	2.2	7.7
SPD 150A	6.0	MPH	0	1.1	1.8	7.6
SPD 150B	0	MPH	2	0	0	0
SPD 250	5.7	MPH	0	2.2	2.5	11.8
DIR 33A	5	DEG	0	12	1	66
DIR 33B	6	DEG	0	167	312	39
DIR150A	4	DEG	3	165	186	32
DIR150B	0	DEG	2	0	0	0
DIR250	10	DEG	0	5	318	18
TER 33A	58.2	F	0			
TER 33B	58.4	F	0			
TER150A	57.6	F	0			
TER150B	57.6	F	0			
TER250A	56.6	F	0			
TER250B	56.8	F	0			
DT150-33A	-0.6	F/	0			
DT150-33B	-0.7	F/	0			
DT250-33A	-1.6	F/	0			
DT250-33B	-1.6	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER

(IBM PC TERMINAL)

AV

	<u>10:30</u>	<u>RECORD NUMBER 3992</u>		<u>RG&E GINNA PLANT</u>		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	5.0	MPH	0	0.8	2.8	7.1
SPD 33B	5.1	MPH	0	0.6	3.7	6.9
SPD 150A	4.7	MPH	0	1.0	1.3	6.7
SPD 150B	0	MPH	2	0	0	0
SPD 250	4.8	MPH	0	2.3	2.3	11.4
DIR 33A	7	DEG	3	73	306	61
DIR 33B	2	DEG	0	123	294	37
DIR150A	5	DEG	3	155	274	177
DIR150B	0	DEG	2	0	0	0
DIR250	4	DEG	0	17	167	329
TER 33A	57.7	F	0			
TER 33B	57.9	F	0			
TER150A	57.3	F	0			
TER150B	57.2	F	0			
TER250A	56.2	F	0			
TER250B	56.4	F	0			
DT150-33A	-0.5	F/	0			
DT150-33B	-0.9	F/	0			
DT250-33A	-1.5	F/	0			
DT250-33B	-1.5	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER

(IBM PC TERMINAL)

AV

	<u>10:45</u>	<u>RECORD NUMBER 3993</u>			<u>RG&E GINNA PLANT</u>		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>	
SPD 33A	4.1	MPH	0	1.2	1.7	6.4	
SPD 33B	4.2	MPH	0	1.2	0.9	6.7	
SPD 150A	4.3	MPH	0	1.1	1.3	7.5	
SPD 150B	0	MPH	2	0	0	0	
SPD 250	3.8	MPH	0	2.5	1.5	11.9	
DIR 33A	5	DEG	3	231	303	74	
DIR 33B	8	DEG	3	206	279	54	
DIR150A	3	DEG	3	235	201	47	
DIR150B	0	DEG	2	0	0	0	
DIR250	6	DEG	0	31	253	18	
TER 33A	59.1	F	0				
TER 33B	59.3	F	0				
TER150A	59.3	F	0				
TER150B	59.4	F	0				
TER250A	59.5	F	0				
TER250B	59.7	F	0				
DT150-33A	0.2	F/	0				
DT150-33B	0.1	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

	<u>11:00</u>	RECORD NUMBER <u>3994</u>			RG&E GINNA PLANT	
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	4.0	MPH	0	1.3	1.1	6.4
SPD 33B	4.0	MPH	0	1.3	0.8	6.5
SPD 150A	4.2	MPH	0	0.9	1.1	5.1
SPD 150B	0	MPH	2	0	0	0
SPD 250	4.4	MPH	0	2.3	0.2	9.1
DIR 33A	359	DEG	3	230	276	72
DIR 33B	3	DEG	3	226	246	55
DIR150A	6	DEG	3	228	278	163
DIR150B	0	DEG	2	0	0	0
DIR250	3	DEG	3	28	110	322
TER 33A	58.8	F	0			
TER 33B	59.1	F	0			
TER150A	58.9	F	0			
TER150B	59.3	F	0			
TER250A	59.4	F	0			
TER250B	59.7	F	0			
DT150-33A	0.1	F/	0			
DT150-33B	0.2	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

	<u>11:15</u>	RECORD NUMBER	<u>3995</u>	RG&E GINNA PLANT		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	3.3	MPH	0	0.9	1.4	5.2
SPD 33B	3.1	MPH	0	1.0	0.5	6.2
SPD 150A	2.7	MPH	0	1.0	0.2	4.2
SPD 150B	0	MPH	2	0	0	0
SPD 250	3.6	MPH	0	2.3	0	8.4
DIR 33A	17	DEG	3	178	284	106
DIR 33B	12	DEG	3	223	279	73
DIR150A	15	DEG	3	220	295	169
DIR150B	0	DEG	2	0	0	0
DIR250	13	DEG	0	10	273	322
TER 33A	59.6	F	0			
TER 33B	59.8	F	0			
TER150A	59.2	F	0			
TER150B	59.6	F	0			
TER250A	59.8	F	0			
TER250B	59.7	F	0			
DT150-33A	0.0	F/	0			
DT150-33B	0.0	F/	0			
DT250-33A	-0.1	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

	<u>11:30</u>	RECORD NUMBER <u>3996</u>		RG&E GINNA PLANT		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	4.8	MPH	0	0.6	3.5	6.4
SPD 33B	4.7	MPH	0	0.7	3.6	6.2
SPD 150A	4.3	MPH	0	0.4	2.8	5.4
SPD 150B	0	MPH	2	0	0	0
SPD 250	4.6	MPH	0	2.0	0	8.5
DIR 33A	45	DEG	0	9	24	69
DIR 33B	42	DEG	3	37	358	69
DIR150A	41	DEG	0	10	8	70
DIR150B	0	DEG	2	0	0	0
DIR250	41	DEG	3	257	296	167
TER 33A	58.2	F	0			
TER 33B	58.4	F	0			
TER150A	58.2	F	0			
TER150B	58.4	F	0			
TER250A	58.1	F	0			
TER250B	58.3	F	0			
DT150-33A	0.0	F/	0			
DT150-33B	0.0	F/	0			
DT250-33A	-0.1	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

	<u>11:45</u>	<u>RECORD NUMBER 3997</u>		<u>RG&E GINNA PLANT</u>		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	4.8	MPH	0	0.6	3.1	6.2
SPD 33B	4.6	MPH	0	0.5	3.1	5.8
SPD 150A	4.9	MPH	0	0.7	1.6	5.1
SPD 150B	0	MPH	2	0	0	0
SPD 250	4.9	MPH	0	1.9	0.4	9.2
DIR 33A	65	DEG	0	10	39	95
DIR 33B	62	DEG	0	11	17	95
DIR150A	68	DEG	0	6	34	99
DIR150B	0	DEG	2	0	0	0
DIR250	65	DEG	0	7	13	97
TER 33A	58.3	F	0			
TER 33B	58.5	F	0			
TER150A	58.3	F	0			
TER150B	58.5	F	0			
TER250A	58.2	F	0			
TER250B	58.4	F	0			
DT150-33A	0.0	F/	0			
DT150-33B	0.0	F/	0			
DT250-33A	-0.1	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

	<u>12:00</u>	RECORD NUMBER	<u>3998</u>	RG&E GINNA PLANT		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	5.2	MPH	0	0.7	3.0	7.1
SPD 33B	5.1	MPH	0	0.6	3.2	6.3
SPD 150A	5.1	MPH	0	0.9	1.6	5.4
SPD 150B	0	MPH	2	0	0	0
SPD 250	4.9	MPH	0	1.9	1.0	10.0
DIR 33A	67	DEG	0	10	50	100
DIR 33B	63	DEG	0	8	27	95
DIR150A	68	DEG	0	6	36	91
DIR150B	0	DEG	2	0	0	0
DIR250	70	DEG	0	4	15	91
TER 33A	58.8	F	0			
TER 33B	59.0	F	0			
TER150A	58.7	F	0			
TER150B	58.8	F	0			
TER250A	58.7	F	0			
TER250B	58.8	F	0			
DT150-33A	-0.1	F/	0			
DT150-33B	-0.1	F/	0			
DT250-33A	-0.1	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

	<u>12:15</u>	RECORD NUMBER	<u>3999</u>	RG&E GINNA PLANT		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	5.1	MPH	0	0.7	3.1	7.0
SPD 33B	5.0	MPH	0	0.7	2.1	6.9
SPD 150A	5.2	MPH	0	0.9	1.8	5.7
SPD 150B	0	MPH	2	0	0	0
SPD 250	4.7	MPH	0	1.8	0.3	8.6
DIR 33A	67	DEG	0	10	46	98
DIR 33B	61	DEG	0	9	11	99
DIR150A	66	DEG	0	7	32	96
DIR150B	0	DEG	2	0	0	0
DIR250	65	DEG	0	4	19	92
TER 33A	59.4	F	0			
TER 33B	59.5	F	0			
TER150A	59.3	F	0			
TER150B	59.4	F	0			
TER250A	59.3	F	0			
TER250B	59.4	F	0			
DT150-33A	-0.1	F/	0			
DT150-33B	-0.1	F/	0			
DT250-33A	-0.1	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

	<u>12:30</u>	<u>RECORD NUMBER 4000</u>		<u>RG&E GINNA PLANT</u>		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	4.6	MPH	0	0.9	2.3	6.3
SPD 33B	4.8	MPH	0	0.7	2.8	6.3
SPD 150A	5.3	MPH	0	0.8	1.8	5.5
SPD 150B	0	MPH	2	0	0	0
SPD 250	5.6	MPH	0	1.7	0.1	9.4
DIR 33A	68	DEG	0	12	42	105
DIR 33B	65	DEG	0	10	32	99
DIR150A	69	DEG	0	6	43	103
DIR150B	0	DEG	2	0	0	0
DIR250	71	DEG	0	9	27	105
TER 33A	59.8	F	0			
TER 33B	60.0	F	0			
TER150A	59.7	F	0			
TER150B	59.9	F	0			
TER250A	59.4	F	0			
TER250B	59.6	F	0			
DT150-33A	-0.1	F/	0			
DT150-33B	-0.1	F/	0			
DT250-33A	-0.4	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

	<u>12:45</u>	RECORD NUMBER <u>4001</u>	RG&E GINNA PLANT			
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	4.9	MPH	0	1.1	2.3	6.9
SPD 33B	5.3	MPH	0	0.5	4.1	6.3
SPD 150A	4.5	MPH	0	1.0	2.1	6.3
SPD 150B	0	MPH	2	0	0	0
SPD 250	4.4	MPH	0	1.5	0.8	8.9
DIR 33A	68	DEG	0	9	62	99
DIR 33B	66	DEG	0	9	33	84
DIR150A	65	DEG	0	6	53	83
DIR150B	0	DEG	2	0	0	0
DIR250	60	DEG	0	10	46	78
TER 33A	60.3	F	0			
TER 33B	60.3	F	0			
TER150A	59.7	F	0			
TER150B	59.9	F	0			
TER250A	59.9	F	0			
TER250B	59.9	F	0			
DT150-33A	-0.6	F/	0			
DT150-33B	-0.4	F/	0			
DT250-33A	-0.4	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

	<u>13:00</u>	RECORD NUMBER <u>4002</u>		RG&E GINNA PLANT		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	4.9	MPH	0	1.1	3.5	8.8
SPD 33B	5.0	MPH	0	0.7	4.1	7.2
SPD 150A	5.0	MPH	0	0.5	4.6	7.3
SPD 150B	0	MPH	2	0	0	0
SPD 250	4.9	MPH	0	1.7	1.4	10.2
DIR 33A	65	DEG	0	9	57	99
DIR 33B	64	DEG	0	8	40	82
DIR150A	64	DEG	0	4	63	82
DIR150B	0	DEG	2	0	0	0
DIR250	72	DEG	0	7	57	78
TER 33A	60.9	F	0			
TER 33B	61.1	F	0			
TER150A	60.7	F	0			
TER150B	69.9	F	0			
TER250A	60.5	F	0			
TER250B	60.7	F	0			
DT150-33A	-0.2	F/	0			
DT150-33B	-0.2	F/	0			
DT250-33A	-0.4	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

	<u>13:15</u>	RECORD NUMBER	<u>4003</u>		RG&E GINNA PLANT	
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	5.3	MPH	0	0.7	5.8	9.7
SPD 33B	4.9	MPH	0	0.5	6.4	9.2
SPD 150A	5.6	MPH	0	0.9	4.2	9.2
SPD 150B	0	MPH	2	0	0	0
SPD 250	4.9	MPH	0	1.6	1.6	10.2
DIR 33A	68	DEG	0	6	55	90
DIR 33B	65	DEG	0	5	32	86
DIR150A	71	DEG	0	3	61	76
DIR150B	0	DEG	2	0	0	0
DIR250	69	DEG	0	2	53	93
TER 33A	60.9	F	0			
TER 33B	61.1	F	0			
TER150A	60.6	F	0			
TER150B	60.9	F	0			
TER250A	60.1	F	0			
TER250B	60.3	F	0			
DT150-33A	-0.3	F/	0			
DT150-33B	-0.3	F/	0			
DT250-33A	-0.4	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

	<u>13:30</u>	<u>RECORD NUMBER 4004</u>		<u>RG&E GINNA PLANT</u>		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	5.0	MPH	0	1.6	3.7	10.1
SPD 33B	5.3	MPH	0	1.0	4.4	9.3
SPD 150A	5.1	MPH	0	0.6	4.2	9.2
SPD 150B	0	MPH	2	0	0	0
SPD 250	5.3	MPH	0	1.7	1.0	9.7
DIR 33A	66	DEG	0	9	51	100
DIR 33B	64	DEG	0	7	44	77
DIR150A	70	DEG	0	5	61	91
DIR150B	0	DEG	2	0	0	0
DIR250	65	DEG	0	4	59	72
TER 33A	61.0	F	0			
TER 33B	61.3	F	0			
TER150A	60.8	F	0			
TER150B	60.9	F	0			
TER250A	60.6	F	0			
TER250B	60.9	F	0			
DT150-33A	-0.3	F/	0			
DT150-33B	-0.5	F/	0			
DT250-33A	-0.4	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

	<u>13:45</u>	<u>RECORD NUMBER 4005</u>		<u>RG&E GINNA PLANT</u>		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	5.1	MPH	0	0.9	2.6	7.4
SPD 33B	5.6	MPH	0	0.9	2.9	8.8
SPD 150A	5.4	MPH	0	0.6	6.3	8.6
SPD 150B	0	MPH	2	0	0	0
SPD 250	5.8	MPH	0	2.0	2.8	11.9
DIR 33A	65	DEG	0	8	52	115
DIR 33B	65	DEG	0	7	31	85
DIR150A	66	DEG	0	5	49	94
DIR150B	0	DEG	2	0	0	0
DIR250	64	DEG	0	5	45	85
TER 33A	61.7	F	0			
TER 33B	61.9	F	0			
TER150A	61.3	F	0			
TER150B	61.4	F	0			
TER250A	61.3	F	0			
TER250B	61.5	F	0			
DT150-33A	-0.2	F/	0			
DT150-33B	-0.3	F/	0			
DT250-33A	-0.4	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

	<u>14:00</u>	<u>RECORD NUMBER 4006</u>		<u>RG&E GINNA PLANT</u>		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	5.6	MPH	0	1.0	3.9	7.8
SPD 33B	5.4	MPH	0	0.7	3.9	7.7
SPD 150A	6.0	MPH	0	1.2	3.4	8.8
SPD 150B	0	MPH	2	0	0	0
SPD 250	5.5	MPH	0	1.8	3.1	12.3
DIR 33A	69	DEG	0	10	51	113
DIR 33B	69	DEG	0	9	38	112
DIR150A	70	DEG	0	5	52	78
DIR150B	0	DEG	2	0	0	0
DIR250	64	DEG	0	2	39	89
TER 33A	61.8	F	0			
TER 33B	62.1	F	0			
TER150A	61.8	F	0			
TER150B	62.1	F	0			
TER250A	62.8	F	0			
TER250B	63.1	F	0			
DT150-33A	0.0	F/	0			
DT150-33B	0.1	F/	0			
DT250-33A	1.0	F/	0			
DT250-33B	1.0	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER

(IBM PC TERMINAL)

AV

	<u>14:15</u>	<u>RECORD NUMBER 4007</u>		<u>RG&E GINNA PLANT</u>		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	7.0	MPH	0	0.7	4.2	8.3
SPD 33B	6.7	MPH	0	0.6	4.9	7.7
SPD 150A	6.6	MPH	0	1.2	3.4	8.0
SPD 150B	0	MPH	2	0	0	0
SPD 250	6.9	MPH	0	1.7	2.8	11.5
DIR 33A	69	DEG	0	8	54	96
DIR 33B	67	DEG	0	7	33	91
DIR150A	72	DEG	0	5	53	94
DIR150B	0	DEG	2	0	0	0
DIR250	69	DEG	0	2	36	93
TER 33A	61.7	F	0			
TER 33B	61.9	F	0			
TER150A	61.6	F	0			
TER150B	61.7	F	0			
TER250A	62.7	F	0			
TER250B	61.9	F	0			
DT150-33A	0.1	F/	0			
DT150-33B	0.1	F/	0			
DT250-33A	1.0	F/	0			
DT250-33B	1.0	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER

(IBM PC TERMINAL)

AV

	<u>14:30</u>	<u>RECORD NUMBER 4008</u>		<u>RG&E GINNA PLANT</u>		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	7.9	MPH	0	0.9	4.2	10.0
SPD 33B	7.7	MPH	0	0.7	5.8	9.2
SPD 150A	6.6	MPH	0	1.5	2.7	8.6
SPD 150B	0	MPH	2	0	0	0
SPD 250	7.4	MPH	0	1.6	4.8	13.5
DIR 33A	71	DEG	0	7	53	105
DIR 33B	71	DEG	0	6	27	90
DIR150A	69	DEG	0	4	48	95
DIR150B	0	DEG	2	0	0	0
DIR250	68	DEG	0	3	32	93
TER 33A	61.5	F	0			
TER 33B	61.7	F	0			
TER150A	61.9	F	0			
TER150B	61.9	F	0			
TER250A	62.5	F	0			
TER250B	62.7	F	0			
DT150-33A	0.0	F/	0			
DT150-33B	-0.1	F/	0			
DT250-33A	1.0	F/	0			
DT250-33B	1.0	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER

(IBM PC TERMINAL)

AV

	<u>14:45</u>	RECORD NUMBER <u>4009</u>		RG&E GINNA PLANT		
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	6.7	MPH	0	1.3	2.7	9.2
SPD 33B	7.0	MPH	0	1.0	4.2	9.2
SPD 150A	7.4	MPH	0	0.8	5.5	8.9
SPD 150B	0	MPH	2	0	0	0
SPD 250	7.9	MPH	0	1.7	3.5	13.3
DIR 33A	83	DEG	0	10	52	113
DIR 33B	81	DEG	0	7	50	108
DIR150A	89	DEG	0	5	61	108
DIR150B	0	DEG	2	0	0	0
DIR250	84	DEG	0	3	60	105
TER 33A	61.6	F	0			
TER 33B	61.9	F	0			
TER150A	61.9	F	0			
TER150B	62.2	F	0			
TER250A	62.6	F	0			
TER250B	62.9	F	0			
DT150-33A	0.2	F/	0			
DT150-33B	0.3	F/	0			
DT250-33A	1.0	F/	0			
DT250-33B	1.0	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER

(IBM PC TERMINAL)

AV

	<u>15:00</u>	RECORD NUMBER <u>4010</u>			RG&E GINNA PLANT	
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	7.3	MPH	0	0.9	3.6	8.1
SPD 33B	6.8	MPH	0	0.8	3.7	8.5
SPD 150A	7.1	MPH	0	0.7	4.9	8.8
SPD 150B	0	MPH	2	0	0	0
SPD 250	7.4	MPH	0	1.5	4.8	11.7
DIR 33A	85	DEG	0	8	61	106
DIR 33B	83	DEG	0	7	60	100
DIR150A	81	DEG	0	4	61	103
DIR150B	0	DEG	2	0	0	0
DIR250	84	DEG	0	2	69	109
TER 33A	61.8	F	0			
TER 33B	62.1	F	0			
TER150A	61.9	F	0			
TER150B	61.9	F	0			
TER250A	62.0	F	0			
TER250B	62.0	F	0			
DT150-33A	0.1	F/	0			
DT150-33B	0.1	F/	0			
DT250-33A	0.2	F/	0			
DT250-33B	0.3	F/	0			
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00

PRINTOUT FROM GINNA PRIMARY MET. TOWER

(IBM PC TERMINAL)

AV

	<u>15:15</u>	RECORD NUMBER <u>4011</u>	RG&E GINNA PLANT			
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	MPH	0				
SPD 33B	MPH	0				
SPD 150A	MPH	0				
SPD 150B	MPH	0				
SPD 250	MPH	0				
DIR 33A	DEG	0				
DIR 33B	DEG	0				
DIR150A	DEG	0				
DIR150B	DEG	0				
DIR250	DEG	0				
TER 33A	F	0				
TER 33B	F	0				
TER150A	F	0				
TER150B	F	0				
TER250A	F	0				
DT150-33A	F/	0				
DT150-33B	F/	0				
DT250-33A	F/	0				
DT250-33B	F/	0				
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



PRINTOUT FROM GINNA PRIMARY MET. TOWER

(IBM PC TERMINAL)

AV

	<u>15:30</u>	RECORD NUMBER <u>3980</u>	RG&E GINNA PLANT			
<u>SENSOR NAME</u>	<u>AVERAGE</u>	<u>UNIT</u>	<u>CODE</u>	<u>STDDEV</u>	<u>MIN</u>	<u>MAX</u>
SPD 33A	MPH	0				
SPD 33B	MPH	0				
SPD 150A	MPH	0				
SPD 150B	MPH	0				
SPD 250	MPH	0				
DIR 33A	DEG	0				
DIR 33B	DEG	0				
DIR150A	DEG	0				
DIR150B	DEG	0				
DIR250	DEG	0				
TER 33A	F	0				
TER 33B	F	0				
TER150A	F	0				
TER150B	F	0				
TER250A	F	0				
DT150-33A	F/	0				
DT150-33B	F/	0				
DT250-33A	F/	0				
DT250-33B	F/	0				
PRECIPITATION	1.08	INCH	0	0.00	0.00	0.00



SECTION 10.2
FIELD DATA AND MAPS

TABLE 10.3-B
RADIOLOGICAL SURVEY/SAMPLING DATA
(COUNTY 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	5,000	5,000	6,600	6,600	1,300	50,000	8,400
B	2,400	2,400	3,100	3,100	590	28,000	3,800
C	1,100	1,100	1,400	1,400	260	13,000	1,700
D	490	490	650	650	120	5,900	820
E	300	300	400	400	75	3,600	520
F	200	200	260	260	50	2,400	350
G	130	130	170	170	30	1,500	240
H	91	91	120	120	25	1,100	180
I	72	72	95	95	20	890	150

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. BKG = Use actual background reading of survey instrument being used.



TABLE 10.2

PLUME ARRIVAL/DEPARTURE TIMES

DISTANCE (MI)	ARRIVAL *	DEPARTURE **
0.5	12:21	13:51
1.0	12:27	13:57
2.0	12:39	14:09
3.0	12:51	14:21
4.0	13:03	14:33
5.0	13:15	14:45
6.0	13:27	14:57
7.0	13:39	15:09
8.0	13:51	15:21
9.0	14:03	15:33
10.0	14:15	15:45
11.0	14:27	15:57
12.0	14:39	16:09

NOTES:

* After indicated arrival time, refer to offsite radiological data shown on Table 10.3 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 10.4 and 10.5.



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	5,000	5,000	6,600	6,600	1,300	42,000	5,300
B	2,400	2,400	3,100	3,100	590	18,000	2,400
C	1,100	1,100	1,400	1,400	260	8,000	1,100
D	490	490	650	650	120	3,800	530
E	300	300	400	400	75	2,300	340
F	200	200	260	260	50	1,500	240
G	130	130	170	170	30	1,000	170
H	91	91	120	120	25	730	130
I	72	72	95	95	20	580	110

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 10.4
 POST-PLUME SURVEY DATA
 (FOR PANCAKE PROBES AND RM-14 METER)

ZONE	PANCAKE PROBE (GROSS CPM)	
	1 METER	1 CM
A	20,000	50,000
B	9,600	50,000
C	4,300	50,000
D	2,000	43,000
E	1,200	26,000
F	820	17,000
G	520	11,000
H	370	7,900
I	290	6,300

NOTE: BKG = Use actual background reading of survey instrument being used



TABLE 10.5

POST-PLUME SURVEY DATA
(GAMMA MICRO-R/HOUR READINGS)

ZONE	GROSS	GROSS
	MICRO-R/HOUR @ 1 METER	MICRO-R/HOUR @ 1 CM
A	5,700	9,700
B	2,700	4,500
C	1,200	2,000
D	560	950
E	340	580
F	220	380
G	140	240
H	100	180
I	80	140

NOTE: BKG = Use actual background reading of survey instrument being used



SECTION 10.3
FIELD AIR SAMPLE ISOTOPIC DATA



TABLE 10.6-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	1.02E-07	8.4E+03	1.55E-08	3.09E-08	2.80E-08	3.71E-09	1.70E-09	8.66E-11	8.66E-11
B	4.55E-08	3.8E+03	6.88E-09	1.38E-08	1.24E-08	1.65E-09	7.56E-10	3.85E-11	3.85E-11
C	2.03E-08	1.7E+03	3.07E-09	6.15E-09	5.56E-09	7.38E-10	3.38E-10	1.72E-11	1.72E-11
D	9.49E-09	8.2E+02	1.44E-09	2.87E-09	2.60E-09	3.45E-10	1.58E-10	8.04E-12	8.04E-12
E	5.84E-09	5.2E+02	8.83E-10	1.77E-09	1.60E-09	2.12E-10	9.71E-11	4.94E-12	4.94E-12
F	3.83E-09	3.5E+02	5.80E-10	1.16E-09	1.05E-09	1.39E-10	6.38E-11	3.25E-12	3.25E-12
G	2.45E-09	2.4E+02	3.70E-10	7.40E-10	6.70E-10	8.88E-11	4.07E-11	2.07E-12	2.07E-12
H	1.76E-09	1.8E+02	2.66E-10	5.32E-10	4.81E-10	6.38E-11	2.92E-11	1.49E-12	1.49E-12
I	1.39E-09	1.5E+02	2.10E-10	4.20E-10	3.80E-10	5.03E-11	2.31E-11	1.17E-12	1.17E-12

TABLE 10.6-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	9.67E-06	6.4E+04	1.55E-06	2.23E-06	3.09E-06	0.00E+00	2.80E-06
B	4.30E-06	2.9E+04	6.88E-07	9.90E-07	1.38E-06	0.00E+00	1.24E-06
C	1.92E-06	1.3E+04	3.07E-07	4.43E-07	6.15E-07	0.00E+00	5.56E-07
D	8.97E-07	6.0E+03	1.44E-07	2.07E-07	2.87E-07	0.00E+00	2.60E-07
E	5.52E-07	3.7E+03	8.83E-08	1.27E-07	1.77E-07	0.00E+00	1.60E-07
F	3.62E-07	2.5E+03	5.80E-08	8.35E-08	1.16E-07	0.00E+00	1.05E-07
G	2.31E-07	1.6E+03	3.70E-08	5.33E-08	7.40E-08	0.00E+00	6.70E-08
H	1.66E-07	1.1E+03	2.66E-08	3.83E-08	5.32E-08	0.00E+00	4.81E-08
I	1.31E-07	9.1E+02	2.10E-08	3.02E-08	4.20E-08	0.00E+00	3.80E-08

10

11

12

13

GINNA STATION ONSITE SURVEY MAP

LAKE ONTARIO

DATE : _____ TIME : _____

TEAM MEMBERS

BLUE

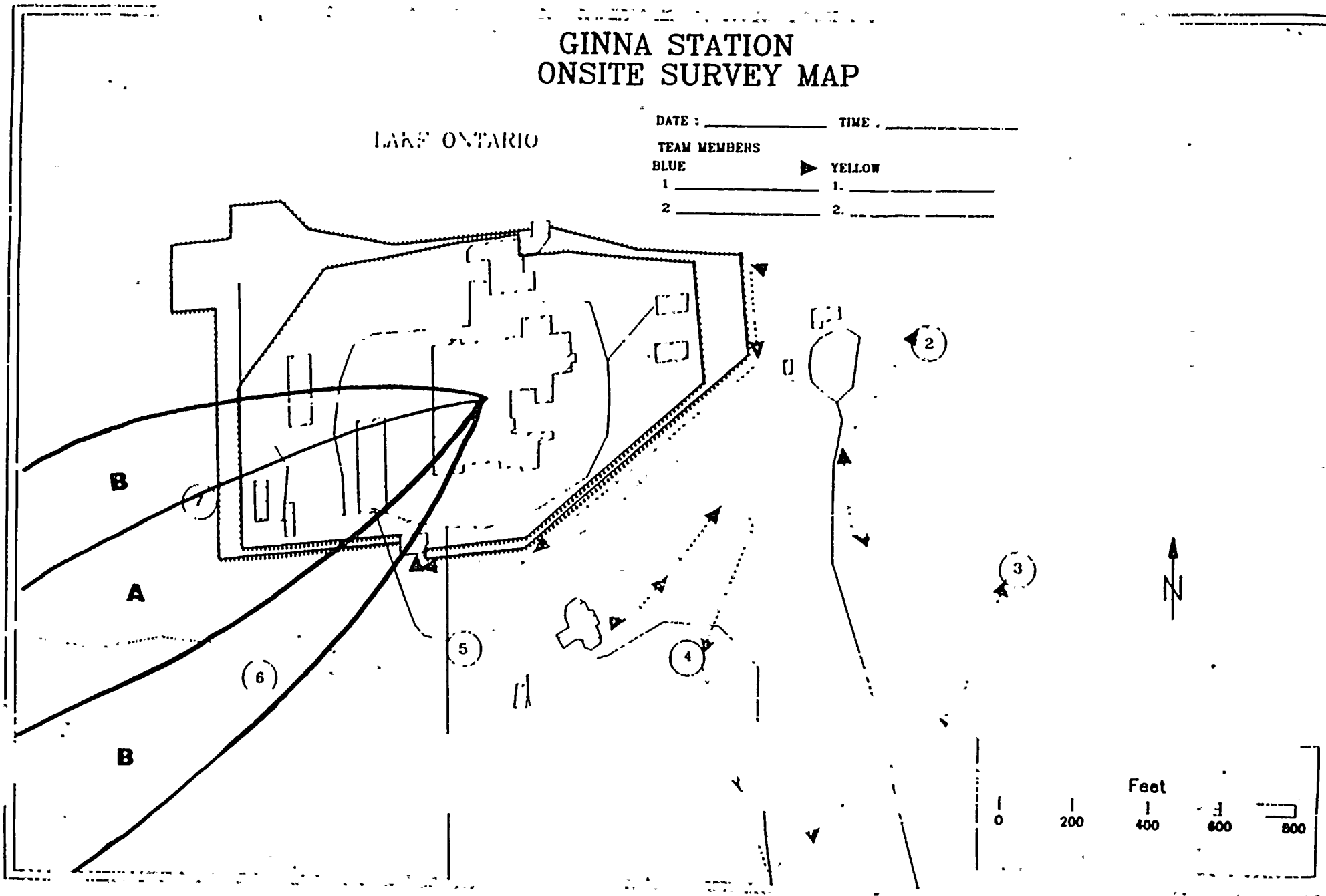
▶ YELLOW

1

1

2

2

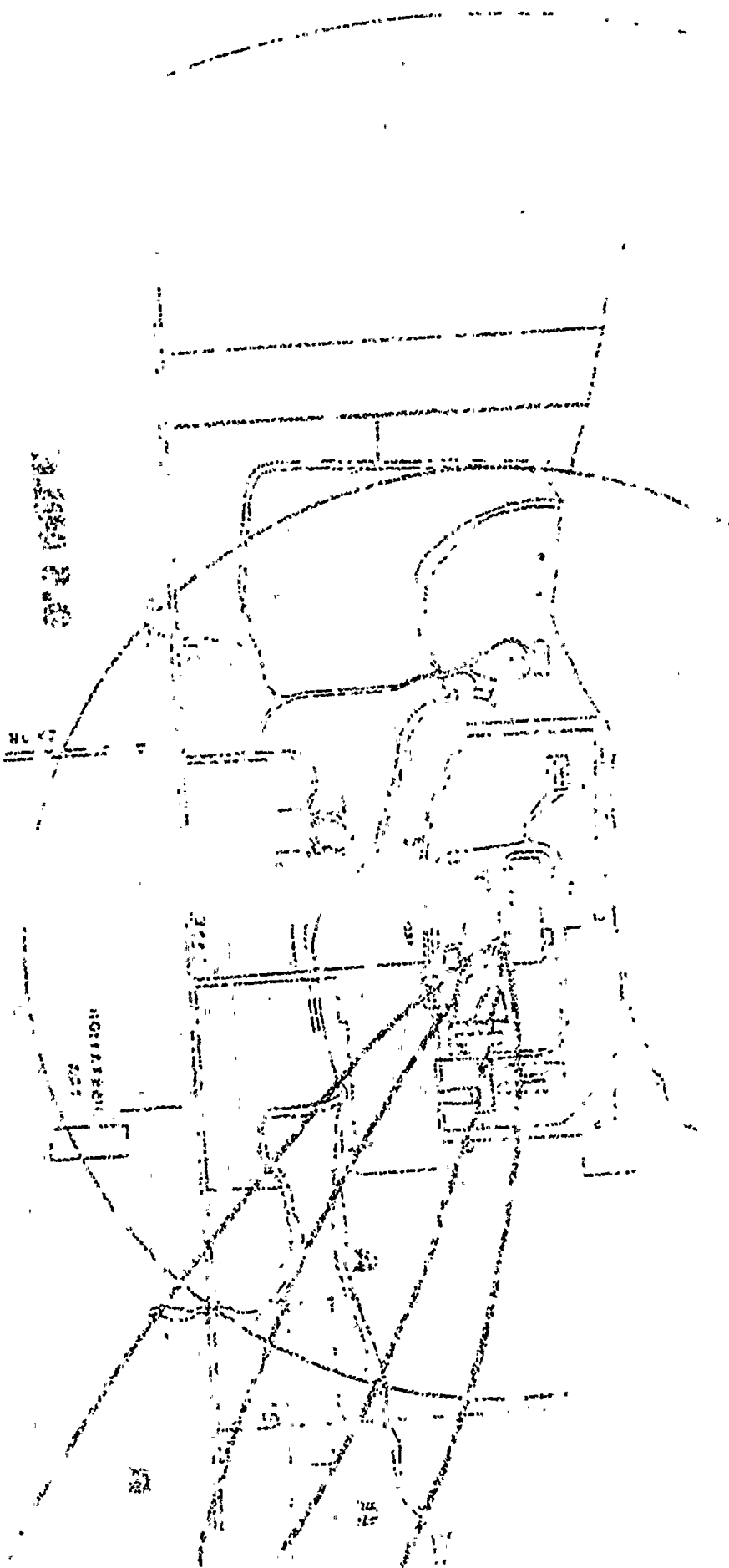


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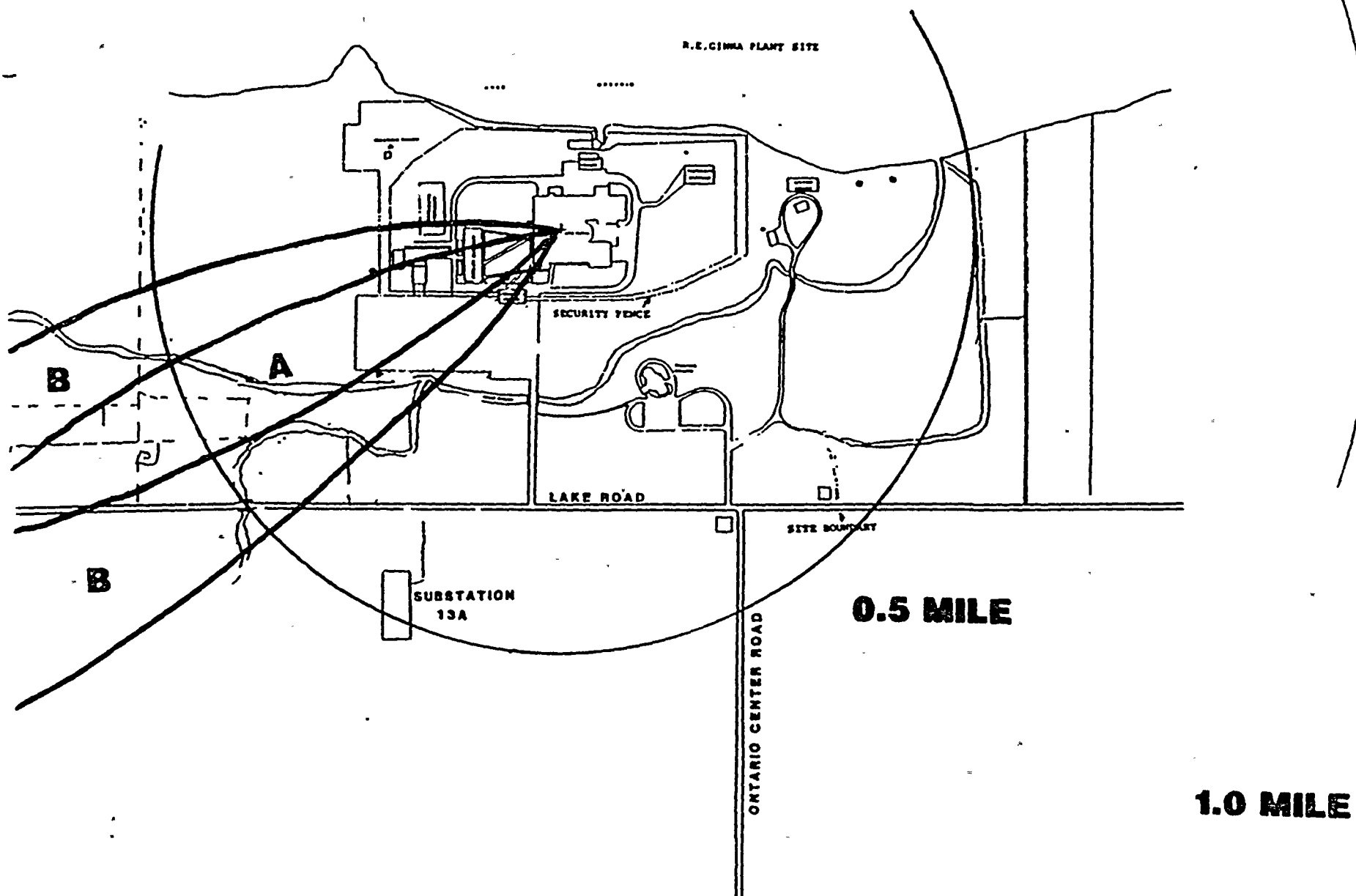
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(0-1 MILE)



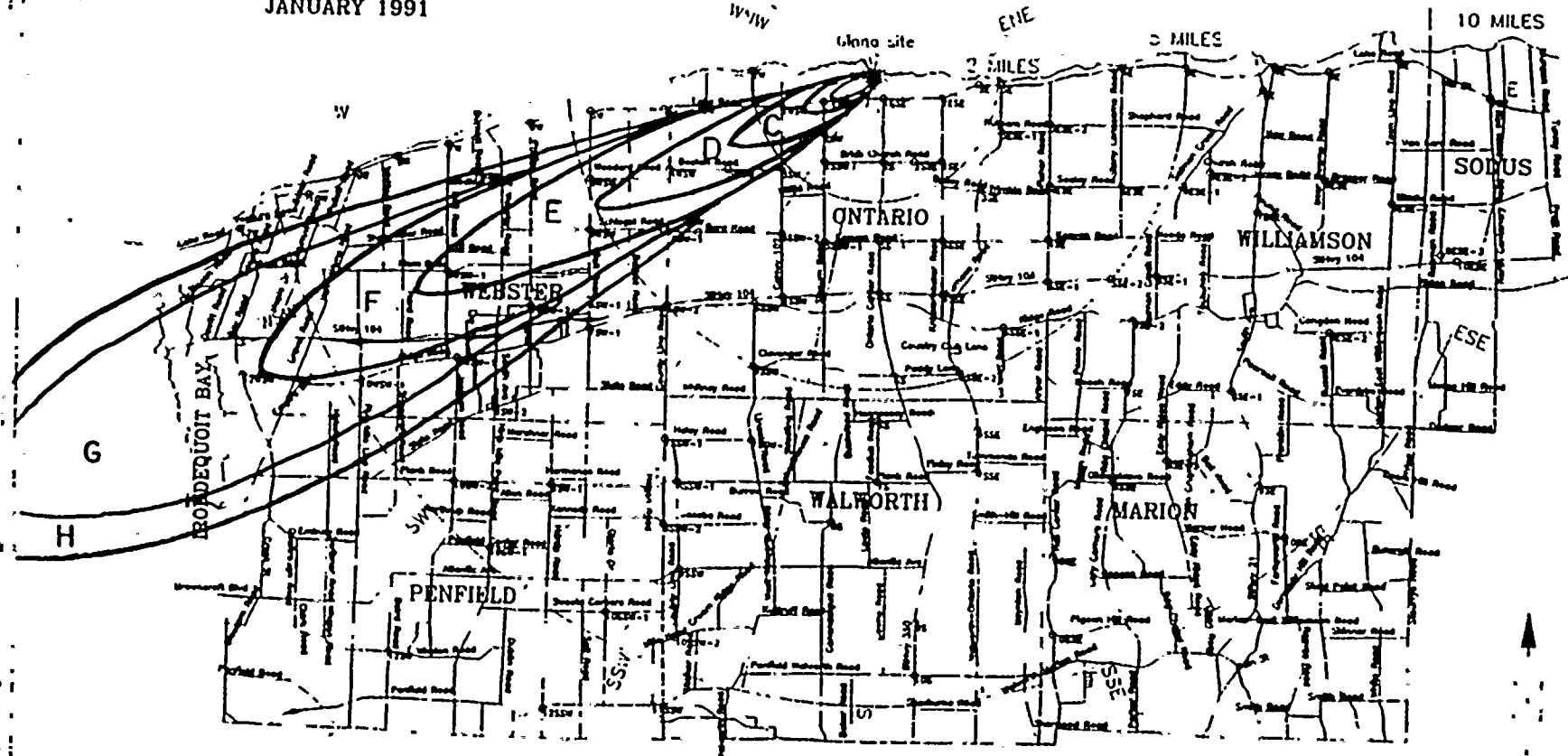
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