ROCHESTER GAS AND ELECTRIC CORPORATION • 89 EAST AVENUE, ROCHESTER, N.Y. 14649-0001

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January 17, 2001

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555
Attn: Mr. Guy S. Vissing (Mail Stop 14D11)
Project Directorate I-1

Subject: Revision to Emergency Plan Implementing Procedures
R.E. Ginna Nuclear Power Plant
Docket No. 50-244

Gentlemen:

In accordance with 10 CFR 50.4(b)(5), enclosed are revisions to Ginna Station Emergency Plan Implementing Procedures (EPIPs).

We have determined, per the requirements of 10 CFR 50.54(q), that these procedure changes do not decrease the effectiveness of our Nuclear Emergency Response Plan.

Very truly yours,

Peter S. Polfleit
Corporate Nuclear Emergency Planner

Enclosures

xc: USNRC Region 1 (2 copies of letter and 2 copies of each procedure)
Resident Inspector, Ginna Station (1 copy of letter and 1 copy of each procedure)
RG&E Nuclear Safety and Licensing (1 copy of letter)
Dr. Robert C. Mecredy (2 copies of letter only)

PSP/jtw

A045

PROCEDURE	REVISION NUMBER
EPIP 1-0	26
EPIP 2-1	18
EPIP 5-1	20
EPIP 5-2	23

REPORT NO. 01 GINNA NUCLEAR POWER PLANT 01/17/01 PAGE: 1
REPORT: NPSP0200 PROCEDURES INDEX
DOC TYPE: PREPIP EMERGENCY PLAN IMPLEMENTING PROCEDURE

PARAMETERS: DOC TYPES PREPIP STATUS: EF 5 YEARS ONLY:

PROCEDURE NUMBER	PROCEDURE TITLE	REV	EFFECT DATE	LAST REVIEW	NEXT REVIEW	ST
EPIP-1-0	GINNA STATION EVENT EVALUATION AND CLASSIFICATION	026	01/17/01	01/17/01	01/17/06	EF
EPIP-1-1	UNUSUAL EVENT	002	12/09/96	12/09/96	12/09/01	EF
EPIP 1-2	ALERT	003	12/09/96	12/09/96	12/09/01	EF
EPIP 1-3	SITE AREA EMERGENCY	005	12/09/96	01/23/98	01/20/02	EF
EPIP 1-4	GENERAL EMERGENCY	004	12/09/96	12/09/96	12/09/01	EF
EPIP 1-5	NOTIFICATIONS	042	09/08/00	09/08/00	09/08/05	EF
EPIP-1-6	SITE EVACUATION	011	07/25/00	07/25/00	07/25/05	EF
EPIP-1-7	ACCOUNTABILITY OF PERSONNEL	008	07/27/99	07/27/99	07/27/04	EF
EPIP-1-8	SEARCH AND RESCUE OPERATION	004	05/16/00	05/16/00	05/16/05	EF
EPIP 1-9	TECHNICAL SUPPORT CENTER ACTIVATION	019	10/06/00	10/06/00	10/06/05	EF
EPIP 1-10	OPERATIONAL SUPPORT CENTER (OSC) ACTIVATION	010	07/25/00	07/25/00	07/25/05	EF
EPIP 1-11	SURVEY CENTER ACTIVATION	021	05/16/00	05/16/00	05/16/05	EF
EPIP-1-12	REPAIR AND CORRECTIVE ACTION GUIDELINES DURING EMERGENCY SITUATIONS	007	06/21/00	06/21/00	06/21/05	EF
EPIP-1-13	LOCAL RADIATION EMERGENCY	003	08/04/95	01/23/98	01/23/02	EF
EPIP-1-15	USE OF THE HEALTH PHYSICS NETWORK HPN	005	04/24/96	03/03/99	03/03/04	EF
EPIP 1-16	RADIOACTIVE LIQUID RELEASE TO LAKE ONTARIO OR DEER CREEK	004	02/13/98	02/13/98	02/13/02	EF
EPIP-1-17	PLANNING FOR ADVERSE WEATHER	002	06/21/00	06/21/00	06/21/05	EF
EPIP 2-1	PROTECTIVE ACTION RECOMMENDATIONS	018	01/17/01	01/17/01	01/17/06	EF
EPIP 2-2	OBTAINING METEOROLOGICAL DATA AND FORECASTS AND THEIR USE IN EMERGENCY DOSE ASSESSMENT	009	02/13/98	02/13/98	02/13/02	EF
EPIP 2-3	EMERGENCY RELEASE RATE DETERMINATION	012	02/04/00	02/04/00	02/04/05	EF
EPIP 2-4	EMERGENCY DOSE PROJECTIONS - MANUAL METHOD	012	06/21/00	06/21/00	06/21/05	EF
EPIP 2-5	EMERGENCY DOSE PROJECTIONS PERSONAL COMPUTER METHOD	010	11/16/99	11/16/99	11/16/04	EF
EPIP-2-6	EMERGENCY DOSE PROJECTIONS - MIDAS PROGRAM	011	06/21/00	06/21/00	06/21/05	EF
EPIP 2-7	MANAGEMENT OF EMERGENCY SURVEY TEAMS	010	10/23/00	10/23/00	10/23/05	EF

PARAMETERS: DOC TYPES PREPIP STATUS: EF 5 YEARS ONLY:

PROCEDURE NUMBER	PROCEDURE TITLE	REV	EFFECT DATE	LAST REVIEW	NEXT REVIEW	ST
EPIP-2-8	VOLUNTARY ACCEPTANCE OF EMERGENCY RADIATION EXPOSURE	005	05/16/00	05/16/00	05/16/05	EF
EPIP-2-9	ADMINISTRATION OF POTASSIUM IODIDE (KI)	003	12/05/97	12/05/97	12/05/01	EF
EPIP-2-10	INPLANT RADIATION SURVEYS	003	01/16/97	01/16/97	01/16/02	EF
EPIP-2-11	ONSITE SURVEYS	014	10/23/00	10/23/00	10/23/05	EF
EPIP-2-12	OFFSITE SURVEYS	017	10/23/00	10/23/00	10/23/05	EF
EPIP-2-13	IODINE AND PARTICULATE ACTIVITY DETERMINATION FROM AIR SAMPLES	008	07/27/99	07/27/99	07/27/04	EF
EPIP-2-14	POST PLUME ENVIRONMENTAL SAMPLING	014	12/04/00	12/04/00	12/04/05	EF
EPIP-2-15	POST PLUME EVALUATION OF OFFSITE DOSES DUE TO DEPOSITION	004	03/06/98	03/06/98	03/06/03	EF
EPIP-2-16	CORE DAMAGE ESTIMATION	010	02/25/00	02/25/00	02/25/05	EF
EPIP-2-17	HYPOTHETICAL (PRE-RELEASE) DOSE ESTIMATES	005	11/16/99	11/16/99	11/16/04	EF
EPIP-2-18	CONTROL ROOM DOSE ASSESSMENT	012	10/06/00	10/06/00	10/06/05	EF
EPIP-3-1	EMERGENCY OPERATIONS FACILITY (EOF) ACTIVATION AND OPERATIONS	014	02/11/00	02/11/00	02/11/05	EF
EPIP-3-2	ENGINEERING SUPPORT CENTER (ESC)	008	02/25/00	02/25/00	02/25/05	EF
EPIP-3-3	IMMEDIATE ENTRY	007	06/21/00	06/21/00	06/21/05	EF
EPIP-3-4	EMERGENCY TERMINATION AND RECOVERY	007	05/28/99	05/28/99	05/28/04	EF
EPIP-3-7	SECURITY DURING EMERGENCIES	009	11/16/99	11/16/99	11/16/04	EF
EPIP-4-1	PUBLIC INFORMATION RESPONSE TO AN UNUSUAL EVENT	006	02/13/98	02/13/98	02/13/02	EF
EPIP-4-3	ACCIDENTAL ACTIVATION OF GINNA EMERGENCY NOTIFICATION SYSTEM SIRENS	008	02/13/98	02/13/98	02/13/02	EF
EPIP-4-6	JOINT EMERGENCY NEWS CENTER ACTIVATION	008	02/11/00	02/11/00	02/11/05	EF
EPIP-4-7	PUBLIC INFORMATION ORGANIZATION STAFFING	015	10/06/00	10/06/00	10/06/05	EF
EPIP-5-1	OFFSITE EMERGENCY RESPONSE FACILITIES AND EQUIPMENT PERIODIC INVENTORY CHECKS AND TESTS	020	01/17/01	01/17/01	01/17/01	EF
EPIP-5-2	ONSITE EMERGENCY RESPONSE FACILITIES AND EQUIPMENT PERIODIC INVENTORY CHECKS AND TESTS	023	01/17/01	01/17/01	01/17/01	EF
EPIP-5-5	CONDUCT OF DRILLS AND EXERCISES	011	02/25/00	02/25/00	02/25/05	EF

PARAMETERS: DOC TYPES - PREPIP STATUS: EF 5 YEARS ONLY:

PROCEDURE NUMBER	PROCEDURE TITLE	REV	EFFECT DATE	LAST REVIEW	NEXT REVIEW	ST
EPIP 5 6	ANNUAL REVIEW OF NUCLEAR EMERGENCY RESPONSE PLAN (NERP)	004	05/28/99	05/28/99	05/28/04	EF
EPIP 5 7	EMERGENCY ORGANIZATION	030	12/04/00	12/04/00	12/04/05	EF
EPIP 5 9	TESTING THE OFF HOURS CALL IN PROCEDURE AND QUARTERLY TELEPHONE NUMBER CHECK	006	05/28/99	05/28/99	05/28/04	EF
EPIP 5 10	EMERGENCY RESPONSE DATA SYSTEM (ERDS)	005	09/05/97	09/05/97	09/05/02	EF
NERP	ANNUAL UPDATE OF NUCLEAR EMERGENCY RESPONSE PLAN	019	12/09/99	12/09/99	12/09/04	EF

TOTAL FOR PREPIP 52

ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER 23

PROCEDURE NO. EPIP 1-0 REV. NO. 26

GINNA STATION EVENT EVALUATION AND CLASSIFICATION

TECHNICAL REVIEW

RESPONSIBLE MANAGER

01/17/01

EFFECTIVE DATE

CATEGORY 1.0

REVIEWED BY:

THIS PROCEDURE CONTAINS 41 PAGES

EPIP 1-0

GINNA STATION EVENT EVALUATION AND CLASSIFICATION

1.0 **PURPOSE:**

1.1 The purpose of this procedure is to provide guidance to personnel in evaluating situations which may require activation of the Nuclear Emergency Response lan and direct them to appropriate implementing procedures. Prompt recognition and classification is necessary to ensure the timely activation of support functions and notification of offsite organizations.

2.0 **RESPONSIBILITY:**

2.1 The Shift Supervisor/Emergency Coordinator (SS/EC) is responsible for initiating this procedure.

2.2 Once the EOF assumes command and control of the emergency, the EOF/Recovery Manager becomes responsible for continuing this procedure.

3.0 **REFERENCES:**

3.1 Developmental References

3.1.1 10CFR50 Appendix E

3.1.2 NUREG-0654

3.1.3 NUREG-0696

3.1.4 Nuclear Emergency Response Plan.

3.1.5 NUMARC Methodology for Development of Emergency Action Levels (NESP-007).

3.1.6 R.E. Ginna EAL Technical Basis Revision 4.

3.2 Implementing References

3.2.1 ER-SC.4, Earthquake Emergency Plan.

3.2.2 TEG-2.0, Response Spectrum Calculation.

3.2.3 TEG-2.1, Safe Shutdown Earthquake (SSE) & Operating Basis Earthquake (OBE) Exceedence Determination.

4.0 **PRECAUTIONS:**

4.1 For emergency events involving the Emergency Operating Procedures, classification should only be made after the diagnostic steps of E-0 have been completed.

4.2 In the event that multiple "Initiating Conditions" are identified, the SS/EC shall review each condition and classify according to the highest Emergency Classification Level obtained.

4.3 During any event, the entire procedure should be reviewed for possible reclassification of the event.

4.4 See Definitions (Attachment 2) for terms used in this procedure.

4.5 Any time a current set of conditions is identified which requires an Emergency Classification, the event shall be classified and declared, even if the condition identified is quickly corrected.

4.5.1 Conditions which depend on delayed evaluation results, i.e., chemistry, RP analysis, etc., shall be classified and declared as soon as the results are known.

5.0 **PREREQUISITES:**

5.1 Entry to this procedure may be directed by various other plant procedures or at the discretion of the SS/EC.

6.0 **ACTIONS:**

6.1 In the event of an abnormal condition the Control Room Personnel will:

6.1.1 Perform the immediate responses defined in the appropriate plant procedures.

6.1.2 Identify the initiating conditions using either the guidelines of the EAL wall chart or Attachment 1 of this procedure.

6.1.3 Implement applicable Emergency Plan procedures based on Appendix guidelines.

6.1.3.1 EPIP 1-4, General Emergency

6.1.3.2 EPIP 1-3,Site Area Emergency

6.1.3.3 EPIP 1-2, Alert

6.1.3.4 EPIP 1-1, Unusual Event

6.2 Periodically re-evaluate the condition after initial classification of accident using the EAL wall chart or Attachment 1.

6.3 At the conclusion of the event, refer to EPIP 3-4, Emergency Termination and Recovery.

6.4 Any time previous initiating conditions are identified that would have warranted an Emergency Classification but they are no longer in effect at the time of identification, and do not require further evaluation or analysis, the event will be classified, but not declared.

6.4.1 Conditions which are corrected, but may require further safety evaluation or analysis, will be classified and declared.

6.4.2 The NRC will be notified any time an event is classified. This will be made by means of the NRC Emergency Notification System (ENS) phone using procedure O-9.3 "NRC Immediate Notification".

6.4.3 The Plant Manager and Corporate Nuclear Emergency Planner (or their alternates) shall also be informed of this notification as soon as possible for notifications to Wayne County, Monroe County and New York State. For these notifications, there is no 15 minute requirement.

7.0 **ATTACHMENTS**

1. Detailed Accident Classification
2. Definitions
3. Barrier loss/potential loss

EPIP 1-0
EMERGENCY ACTION LEVELS (EALS)

INDEX

NOTE: Changes to this attachment are required to be reflected on the EAL wall chart.

1.0 CRITICAL SAFETY FUNCTION STATUS TREES STATUS
1.1 Sub-criticality CSFST Status

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
1.1.3 RED path in F-0.1, SUB-CRITICALITY AND Actual or imminent entry into either: - RED path in F-0.2, CORE COOLING OR - RED path in F-0.3, HEAT SINK Mode Applicability - (1) Power Operations - (2) Startup - (3) Hot Shutdown	1.1.2 RED path in F-0.1, SUB-CRITICALITY Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown	1.1.1 Any failure of an automatic trip signal to reduce power range <5% AND Manual trip is successful. Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown	

1.2 Core Cooling CSFST Status

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
1.2.2 RED path in F-0.2, CORE COOLING AND Functional restoration procedures not effective within 15 minutes. Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby	1.2.1 ORANGE or RED path in F-0.2, CORE COOLING Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby		

1.3 Heat Sink CSFST Status

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
	1.3.1 RED path in F-0.3, HEAT SINK Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby		

1.4 Integrity CSFST Status

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
		1.4.1 RED path on F-0.4, INTEGRITY Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby	

1.5 Containment CSFST Status

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
1.5.1 RED path on F-0.5, CONTAINMENT resulting from loss of reactor coolant Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby			

2.0 REACTOR FUEL

2.1 Coolant Activity

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
	2.1.3 Coolant sample activity >300 µCi/gm of I-131 equivalent AND Any of the following: - RED path on F-0.4, INTEGRITY - Primary system leakage >46 gpm - RCS subcooling <EOP figure MIN SUBCOOLING due to RCS leakage - Containment radiation monitor R-29/30 reading >10R/hr Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby	2.1.2 Coolant sample activity >300 µCi/gm of I-131 equivalent. Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby	2.1.1 Coolant sample activity: >100% of 100/E-Bar µCi/gm total specific activity OR >1.0 µCi/gm I-131 equivalent and entry into conditions of Tech. Spec. section 3.4.16.b. Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby

2.2 Failed Fuel Detectors

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
	2.2.3 Letdown line monitor R-9 >10R/hr AND any of the following: - RED path on F-0.4, INTEGRITY - Primary system leakage >46gpm - RCS subcooling <EOP figure MIN SUBCOOLING due to RCS leakage - Containment radiation monitor R-29/30 reading >10R/hr Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby	2.2.2 Letdown line monitor R-9 >10R/hr. Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby	2.2.1 Letdown line monitor R-9 >2R/hr AND Tave >500°F Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown

2.3 Containment Radiation

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
2.3.3 Containment radiation monitor R-29/30 reading >1000R/hr Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby	2.3.2 Containment radiation monitor R-29/30 reading >100R/hr Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby	2.3.1 Containment radiation monitor R-29/30 reading >10R/hr due to RCS leakage. Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby	

2.4 Refueling Accidents or Other Radiation Monitors

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
		2.4.2 Confirmed sustained alarm on any of the following radiation monitors resulting from an uncontrolled fuel handling process. - R-2 Containment Area Monitor - R-5 Spent Fuel Pit - R-12 Containment Noble Gas Mode Applicability: - All 2.4.3 Report of visual observation of irradiated fuel uncovered. Mode Applicability: - All	2.4.1 Spent fuel pool (reactor cavity during Refueling) water level cannot be restored and maintained above the spent fuel pool low water level alarm setpoint Mode Applicability: - All

3.0 REACTOR COOLANT SYSTEM

3.1 RCS Leakage

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
	3.1.3 RVLIS cannot be maintained >77% with no RCPs running OR With the Reactor Vessel head removed, it is reported that water level in the Reactor Vessel is dropping in an uncontrolled manner and core uncovery is likely Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby - (5) Cold Shutdown - (6) Refueling	3.1.2 Primary system leakage >46gpm Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby	3.1.1 Unidentified or pressure boundary leakage greater than 10gpm OR Identified leakage greater than 25gpm Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby

3.2 Primary to Secondary Leakage

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
	3.2.2 Unisolable release of secondary side to atmosphere with primary to secondary leakage >46 gpm. Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby 3.2.3 Unisolable release of secondary side to atmosphere with primary to secondary leakage >0.1 gpm in the affected AND EITHER - Coolant activity >300 µCi/gm of I-131 equivalent OR - Letdown line monitor R-9 >10 R/hr Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby	(See 3.1.2 above)	3.2.1 Unisolable release of secondary side to atmosphere with primary to secondary leakage greater than 0.1gpm in the affected S/G Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby

3.3 RCS Subcooling

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
		3.3.1 RCS subcooling <EOP figure MIN SUBCOOLING due to RCS leakage Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby	

4.0 CONTAINMENT

4.1 Containment Integrity Status

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
4.1.4 Safety injection signal due to LOCA with less than minimum operable containment heat removal equipment of CNMT PRESS / RECIRC FANS OPER / SPRAY PUMPS REQ'D < 28 psig: 2 / N/A ≥28 psig: 2 / 1 < 2 / 2 AND one or more of the following fuel clad loss indicators: - Coolant activity >300 μCi/gm of I-131 equivalent - Containment radiation monitor (R-29/30) reading >100R/hr - Letdown monitor R-9 reading >10R/hr - RED path in F-0.2, CORE COOLING Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby (Continued on next page)	4.1.2 Rapid uncontrolled decrease in containment pressure following initial increase due to LOCA. OR Loss of primary coolant inside containment with containment pressure or sump level response not consistent with LOCA conditions. Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby (Continued on next page)		4.1.1 Both doors open on containment airlock OR Inability to close containment pressure relief or purge valves which results in a radiological release pathway to the environment OR CI or CVI valve(s) not closed when required which results in a radiological release pathway to the environment OR Rapid uncontrolled pressure decrease following initial increase due to steam line break. Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby

4.1 Containment Integrity Status

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
4.1.5 EITHER Rapid uncontrolled decrease in containment pressure following initial increase due to LOCA OR Loss of primary coolant inside containment with containment pressure or sump level response not consistent with LOCA conditions AND one or more of the following fuel clad damage indicators: - ORANGE or RED path in F-0.2, CORE COOLING - RED path in F-0.3, HEAT SINK - Coolant activity >300μ Ci/gm of I-131 equivalent - Containment radiation monitor R-29/R-30 reading >100R/hr - Letdown line monitor R-9 reading >10R/hr Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby (Continued on next page)	4.1.3 EITHER: CI or CVI valve(s) not closed when required following confirmed LOCA OR Inability to isolate any primary system discharging outside containment AND Radiological release pathway to the environment exists as a result. Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby		

4.1 Containment Integrity Status

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
4.1.6 EITHER CI or CVI valve(s) not closed when required following confirmed LOCA OR Inability to isolate any primary system discharging outside containment AND Radiological release pathway to environment exists as a result AND one or more of the following fuel clad damage indicators: - ORANGE or RED path in F-0.2, CORE COOLING - RED path in F-0.3, HEAT SINK - Coolant activity >300μ Ci/gm of I-131 equivalent - Containment radiation monitor reading >100R/hr - Letdown monitor R-9 reading >10R/hr Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby			

4.2 Steam Generator Tube Rupture with Secondary Release

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
4.2.2 Unisolable secondary side line break with S/G tube rupture as identified in E-3 "Steam Generator Tube Rupture". AND one or more of the following fuel clad damage indicators: - ORANGE or RED path in F-0.2, CORE COOLING - RED path in F-0.3, HEAT SINK - Coolant activity >300 μCi/gm of I-131 equivalent - Containment radiation monitor R-29/30 reading >100R/hr - Letdown monitor R-9 reading >10R/hr Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby	4.2.1 Unisolable secondary side line break with S/G tube rupture as identified in E-3 "Steam Generator Tube Rupture" Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby		

4.3 Combustible Gas Concentrations

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
4.3.1 ≥4% hydrogen concentration in containment Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby			

5.0 RADIOACTIVITY RELEASE/ AREA RADIATION

5.1 Effluent Monitors

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
5.1.4 A valid reading on one or more of the following monitors for >15 minutes - R12A7 6.00E+1 µCi/cc - R14A7 5.33E0 µCi/cc - R15A9 1.15E+2 µCi/cc - R31/32 reading with the following condition: 1 ARV 1.90E+2 mR/hr 1 Safety 9.51E+1 mR/hr 2 Safeties 4.76E+1 mR/hr 3 Safeties 3.17E+1 mR/hr 4 Safeties 2.38E+1 mR/hr unless dose assessment can confirm releases at the site boundary are below the following within the 15 minute limit - 1000 mR TEDE - 5000 mR CDE thyroid - 1000 mR/hr external exposure rate - 5000 mR/hr thyroid exposure for 1 hour of inhalation Mode Applicability: - All	5.1.3 A valid reading on one or more of the following monitors for >15 minutes - R12A7 6.00E+0 µCi/cc - R14A7 5.33E-1 µCi/cc - R15A9 1.15E+1 µCi/cc - R31/32 reading with the following condition: 1 A RV 1.90E+1 mR/hr 1 Safety 9.51E0 mR/hr 2 Safeties 4.76E0 mR/hr 3 Safeties 3.17E0 mR/hr 4 Safeties 2.38E0 mR/hr unless dose assessment can confirm releases at the site bou ndary are below the following within the 15 minute limit - 100 mR TEDE - 500 mR CDE thyroid - 100 mR/hr external exposure rate - 500 mR/hr thyroid exposure rate for 1 hour of inhalation Mode Applicability: - All	5.1.2 A valid reading on one or more of the following monitors for >15 minutes - R12A7 6.00E-1 µCi/cc - R14A7 5.33E-2 µCi/cc - R15A7 1.15E+0 µCi/cc - R18 Offscale High with no isolation - R20A Offscale High - R20B Offscale High - R21 Offscale High with no isolation - R22 Offscale High with no isolation - R31/32 reading with the following condition: 1 ARV 1.90E0 mR/hr 1 Safety 9.51E-1 mR/hr 2 Safeties 4.76E-1 mR/hr 3 Safeties 3.17E-1 mR/hr 4 Safeties 2.38E-1 mR/hr unless dose assessment can confirm releases at the site boundary are below - 10 mR TEDE or - 10 mR/hr external exposure rate within the 15 minute limit Mode Applicability: - All	5.1.1 A valid reading on one or more of the following monitors for >60 minutes unless sample analysis can confirm release rates are less than two times release rate limits within the 60 minute time limit. - R11 1.62E6 cpm during containment purge - R12 7.80E6 cpm during containment purge - R13 2.20E4 cpm - R14 6.40E5 cpm - R15 4.00E5 cpm - R18 3.60E5 cpm with no isolation - R20A 4.00E4 cpm - R20B 5.20E3 cpm - R21 5.00E4 cpm with no isolation - R22 9.20E4 cpm with no isolation - R31/32 reading 0.2 mR/hr with 1 ARV or 1 Safety open. Mode Applicability: - All

5.2 Dose Projections/ Environmental Measurements/Release Rates

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
5.2.5 Dose projections or field surveys resulting from actual or imminent release which indicate doses/dose rates in excess of 1000mR/hr external exposure rate at the Site Boundary or beyond OR Dose projections or field surveys resulting from actual or imminent release which indicate ≥5000mR/hr thyroid exposure dose rate at the Site Boundary or beyond OR Dose projections or field surveys resulting from actual or imminent release which indicate ≥1000mR TEDE dose at the Site Boundary or beyond OR Dose projections or field surveys indicate ≥5000mR CDE thyroid dose at the Site Boundary or beyond. Mode Applicability: - All	5.2.4 Dose projections or field surveys resulting from actual or imminent release which indicate dose rates in excess of 100mR/hr external exposure rate at the Site Boundary or beyond OR Dose projections or field surveys resulting from actual or imminent release which indicate ≥500mR/hr thyroid exposure dose rate at the Site Boundary or beyond OR Dose projections or field surveys resulting from actual or imminent release which indicate ≥100mR TEDE dose at the Site Boundary or beyond OR Dose projections or field surveys resulting from actual or imminent release which indicate ≥500mR CDE thyroid dose at the Site Boundary or beyond. Mode Applicability: - All	5.2.2 Confirmed sample analysis for gaseous or liquid release rates in excess of two hundred times release rate limits for >15 min Mode Applicability: - All 5.2.3 Dose projections or field surveys resulting from actual or imminent release which indicate ≥10mR/hr external exposure rate at the Site Boundary or beyond OR Dose projections or field surveys resulting from actual or imminent release which indicate ≥10mR TEDE dose the Site Boundary or beyond Mode Applicability: - All	5.2.1 Confirmed sample analysis for gaseous or liquid release rates in excess of two times release rate limits for >60 min Mode Applicability: - All

5.3 Area Radiation Levels

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
		5.3.2 Sustained area radiation levels > 15 mR/hr in either Control Room OR Central Alarm Station and Secondary Alarm Station Mode Applicability: - All 5.3.3 Sustained abnormal area radiation levels > 8 R/hr within any of the following areas: - Containment - Auxiliary Building - Turbine Building - Emergency Diesel Bldg. - Screen house - Standby Auxiliary Feedwater Building AND Access is required to establish or maintain Cold Shutdown Mode Applicability: - All	5.3.1 Any sustained direct area radiation monitor readings > 100 times alarm or off-scale high resulting from an uncontrolled process. Mode Applicability: - All

6.1 Loss of AC Power Sources

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
6.1.5 Loss of all safeguards bus AC power AND EITHER: power restoration to any safeguards train is not likely in 4 hours OR Actual or imminent entry into ORANGE or RED path on F-0.2, CORE COOLING Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby	6.1.4 Loss of both trains of AC busses for greater than 15 minutes Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby	6.1.2 Loss of both trains of AC busses for greater than 15 minutes Mode Applicability: - (5) Cold Shutdown - (6) Refueling - (D) Defueled 6.1.3 Available safeguards train AC power reduced to only one of the following sources for >15 minutes. - EDG 1A (14/18) - EDG 1B (16/17) - Station Auxiliary Transformer 12A - Station Auxiliary Transformer 12B Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby	6.1.1 Loss of ability to supply power to the safeguard trains from offsite circuits 751 and 767 for greater than 15 minutes Mode Applicability: - All

6.2 Loss of DC Power Sources

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
	6.2.2 <108vdc bus voltage indications on 125vdc batteries 1A AND 1B for >15 minutes. Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby		6.2.1 <108vdc bus voltage indications on 125vdc batteries 1A AND 1B for >15 minutes. Mode Applicability: - (5) Cold Shutdown - (6) Refueling

7.0 EQUIPMENT FAILURES

7.1 Technical Specification Requirements

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
			7.1.1 Plant is not brought to the required operating mode within Technical Specifications LCO Required Action Completion Time Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby

7.2 Safety Failures or Control Room Evacuation

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
	7.2.5 Entry into AP-CR.1 "Control Room Inaccessability" AND Control of core cooling cannot be established per AP-CR.1 "Control Room Inaccessibility" within 20 minutes Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby - (5) Cold Shutdown - (6) Refueling	7.2.2 Turbine failure generated missiles results in any visible structural damage to plant vital equipment. Mode Applicability - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby 7.2.3 Entry into AP-CR.1 "Control Room Inaccessability" Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby - (5) Cold Shutdown - (6) Refueling 7.2.4 Reactor coolant temperature cannot be maintained <200°F Mode Applicability: - (5) Cold Shutdown - (6) Refueling	7.2.1 Report of main turbine failure resulting in casing penetration or damage to turbine seals or generator seals Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby

7.3 Loss of Indications/Communication Capability

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
	7.3.4 Loss of annunciators or indications on any of the following Control Room Panels - A - AA - B - C - D - E - F - G AND Complete loss of ability to monitor any critical safety function status AND A plant transient in progress Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby	7.3.3 Unplanned loss of annunciators or indications on any of the following Control Room Panels for greater than 15 minutes - A - AA - B - C - D - E - F - G AND increased surveillance is required for safe plant operation AND EITHER - A plant transient in progress OR - PPCS and SAS are unavailable Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby	7.3.1 Unplanned loss of annunciators or indications on any of the following Control Room Panels for greater than 15 minutes - A - AA - B - C - D - E - F - G AND increased surveillance is required for safe plant operation Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby 7.3.2 Loss of all communications capability affecting the ability to either: - perform routine operations OR - Notify offsite agencies or personnel Mode Applicability: - All

8.0 HAZARDS

8.1 Security Threats

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
8.1.4 Security event which results in: - Loss of plant control from the control room OR - Loss of remote shutdown capability Mode Applicability: - All	8.1.3 Intrusion into plant security vital area by an adversary OR Any security event which represents actual or likely failures of plant systems needed to protect the public Mode Applicability: - All	8.1.2 Intrusion into plant Protected Area by an adversary OR Any security event which represents an actual or substantial degradation of the level of safety of the plant Mode Applicability: - All	8.1.1 Bomb device or other indication of attempted sabotage discovered within plant Protected Area OR Any security event which represents a potential degradation in the level of safety of the plant Mode Applicability: - All

8.2 Fire or Explosion

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
		8.2.2 Fire or explosion in any of the following plant areas which results in EITHER visible damage to plant equipment or structures needed for safe shutdown OR Loss of a safety system - Intermediate Building - TSC - Service Building - Contaminated Storage Building - Control Building - Containment Building - Auxiliary Building - Turbine Building - Emergency Diesel Building - Standby Auxiliary Feedwater Building - Screen House Mode Applicability: - All	8.2.1 Confirmed fire in any of the following plant areas not extinguished within 15 minutes of control room notification - Intermediate Building - TSC - Service Building - Contaminated Storage Building - Control Building - Containment Building - Auxiliary Building - Turbine Building - Emergency Diesel Building - Standby Auxiliary Feedwater Building - Screen House Mode Applicability: - All

8.3 Man-Made Events

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
		8.3.4 Vehicle crash or projectile impact which precludes personnel access to or damages equipment in the following plant vital areas - Control Building - Containment Building - Auxiliary Building - Intermediate Building - Emergency Diesel Building - Standby Auxiliary Feedwater Building - Screen House Mode Applicability: - All 8.3.5 Report or detection of toxic or flammable gases within the following plant areas, in concentrations that will be life threatening to plant personnel or precludes access to equipment needed for safe plant operations - Control Building - Containment Building - Auxiliary Building - Intermediate Building - Emergency Diesel Building - Standby Auxiliary Feedwater Building - Screen House Mode Applicability: - All	8.3.1 Vehicle crash into or projectile which impacts plant structures or systems within Protected Area Boundary Mode Applicability: - All 8.3.2 Report by plant personnel of an explosion within Protected Area Boundary resulting in visible damage to permanent structures or equipment Mode Applicability: - All 8.3.3 Report or detection of toxic or flammable gases that could enter or have entered within the Protected Area Boundary in amounts that could affect the health of plant personnel or safe plant operation OR Report by local, county or state officials for potential evacuation of site personnel based on offsite event Mode Applicability: - All

8.4 Natural Events

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
		8.4.4 Earthquake felt in plant by any plant operations personnel AND Confirmation of earthquake of an intensity greater than 0.08g per ER-SC.4 "Earthquake Emergency Plan" Mode Applicability: - All 8.4.5 Sustained winds >75mph OR Tornado strikes one of the following plant vital areas - Control Building - Containment Building - Auxiliary Building - Intermediate Building - Emergency Diesel Building - Standby Auxiliary Feedwater Building - Screen House Mode Applicability: - All (Continued on next page)	8.4.1 Earthquake felt in plant by any plant operations personnel AND Confirmation of earthquake of an intensity greater than 0.01g per ER-SC.4 "Earthquake Emergency Plan" Mode Applicability: - All 8.4.2 Report by plant personnel of tornado striking within plant Protected Area Boundary Mode Applicability: - All (Continued on next page)

8.4 Natural Events

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
		8.4.6 Any natural event which results in a report of visible structural damage or assessment by control room personnel of actual damage to equipment needed for safe plant operation in any of the following plant areas: - Control Building - Containment Building - Auxiliary Building - Intermediate Building - Emergency Diesel Building - Standby Auxiliary Feedwater Building -Screen House Mode Applicability: - All 8.4.7 Flood water accumulating on screen house operating floor OR Lake level >253 ft OR Screen House Suction Bay water level ≤ 16 feet or ≤ 14.5 feet by manual level measurement Mode Applicability: - All	8.4.3 Deer Creek flooding over entrance road bridge handrail OR Lake level >252 ft OR Screen House Suction Bay water level <19 feet or ≤ 17.5 feet by manual level measurement Mode Applicability: - All

9.0 OTHER

GENERAL EMERGENCY PROCEED TO EPIP 1-4	SITE AREA EMERGENCY PROCEED TO EPIP 1-3	ALERT PROCEED TO EPIP 1-2	UNUSUAL EVENT PROCEED TO EPIP 1-1
9.1.7 In the opinion of the Shift Supervisor or Emergency Coordinator, events are in progress which indicate actual or imminent core damage and the potential for a large release of radioactive material in excess of EPA PAGs outside the site boundary Mode Applicability: - All 9.1.8 Any event, which in the opinion of the Shift Supervisor or Emergency Coordinator, that could or has led to a loss of any two fission product barriers and loss or potential loss of the third (Attachment 3) Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby	9.1.5 In the opinion of the Shift Supervisor or Emergency Coordinator, events are in progress which indicate actual or likely failures of plant systems needed to protect the public. Any releases are not expected to result in exposures which exceed EPA PAGs Mode Applicability: - All 9.1.6 Any event, which in the opinion of the Shift Supervisor or Emergency Coordinator, that could or has led to either: - Loss or potential loss of both fuel clad and RCS barrier (Attachment 3) OR - Loss or potential loss of either fuel clad and RCS barrier in conjunction with a loss of containment (Attachment 3) Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby	9.1.3 Any event, which in the opinion of the Shift Supervisor or Emergency Coordinator, that could cause or has caused actual substantial degradation of the level of safety of the plant Mode Applicability: - All 9.1.4 Any event, which in the opinion of the Shift Supervisor or Emergency Coordinator, that could lead or has led to a loss or potential loss of either fuel clad or RCS barrier (Attachment 3) Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby	9.1.1 Any event, which in the opinion of the Shift Supervisor or Emergency Coordinator, that could lead to or has led to a potential degradation of the level of safety of the plant Mode Applicability: - All 9.1.2 Any event, which in the opinion of the Shift Supervisor or Emergency Coordinator, that could lead to or has led to a potential loss of containment (Attachment 3) Mode Applicability: - (1) Power Operations - (2) Startup - (3) Hot Shutdown - (4) Hot Standby

ATTACHMENT 2

DEFINITIONS

Actuate	-	To put into operation; to move into action; commonly used to refer to automated, multi-faceted operations. "Actuate ECCS".
Adversary	-	As applied to security EALs, an individual whose intent is to commit sabotage, disrupt station operations or otherwise commit a crime on station property.
Adverse Meteorology	-	Low wind speed and low dispersion of effluents.
Alert	-	Events are in progress or have occurred which involve an actual or potential substantial degradation of the level of safety of the plant. Any releases are expected to be limited to small fractions of the EPA Protective Action Guideline exposure levels.
Available	-	The state or condition of being ready and able to be used (placed into operation) to accomplish the stated (or implied) action or function. As applied to a system, this requires the operability of necessary support systems (electrical power supplies, cooling water, lubrication, etc).
Can/Cannot be determined	-	The current value or status of an identified parameter relative to that specified can/cannot be ascertained using all available indications (direct and indirect, singly or in combination).
Can/Cannot be maintained above/below	-	The value of the identified parameter(s) is/is not able to be kept above/below specified limits. This determination includes making an evaluation that considers both current and future system performance in relation to the current value or trend of the parameter(s). Neither implies that the parameter must actually exceed the limit before the action is taken nor that the action must be taken before the limit is reached.
Can/Cannot be restored above/below	-	The value of the identified parameter(s) is/is not able to be returned to above/below specified limits after having passed those limits. This determination includes making an evaluation that considers both current and future systems performances in relation to the current value and trend of the parameter(s). Does not imply any specific time interval but does not permit prolonged operation beyond a limit without taking the specified action. As applied to loss of electrical power sources (ex.:power cannot be restored to any vital bus in $\leq$4 hrs) the specified power source cannot be returned to service within the specified time. This determination includes making an evaluation that considers both current and future restoration capabilities. Implies that the declaration should be made as soon as the determination is made that the power source cannot be restored within the specified time.
Classified	-	Identify an EAL that corresponds to plant conditions

Close	- To position a valve or damper so as to prevent flow of the process fluid. - To make an electrical connection to supply power
Confirm/Confirmation	- To validate, through visual observation or physical inspection, that an assumed condition is as expected or required, without taking action to alter the "as found" configuration.
Control	- Take action, as necessary, to maintain the value of a specified parameter within applicable limits; to fix or adjust the time, amount, or rate of; to regulate or restrict.
Core Failure	- Fission product release to containment atmosphere that results in a reading of > 1000 REM/HR on containment area monitor R-2, R-29 or R-30.
Declared	- Use of the New York State Radiological Emergency Data Form in procedure EPIP 1-5 to notify offsite agencies of a classified event.
Decrease	- To become progressively less in size, amount, number, or intensity.
Discharge	- Removal of a fluid/gas from a volume or system.
ECCS	- High and low pressure safety injection - Accumulators
Enter	- To go into.
Establish	- To perform action necessary to meet a stated condition. "Establish communication with the Control Room."
Evacuate	- To remove the contents of; to remove personnel from an area.
Exceeds	- To go beyond a stated or implied limit, measure, or degree.
Exist	- To have being with respect to understood limitations or conditions.
Facility	- The Protected Area of the plant. The area within the security fence
Failed Fuel	- An increase in primary coolant activity reflected by an unexplained increase on failed fuel monitor (R-9) which exceeds its high alarm setpoint. If R-9 reading unavailable or unreliable, the failed fuel condition would be verified by a primary sample analysis.
Failure	- A state of inability to perform a normal function.
Fire	- The observance of flames or if any doubt exists due to excessive smoke, inaccessible location, a fire should be assumed to be present.

General Emergency	-	Events are in progress or have occurred which involve actual or imminent substantial core degradation or melting with potential loss of containment integrity. Releases can be reasonably expected to exceed EPA Protective Action Guideline exposure levels offsite for more than the immediate site area.
Hazards	-	Aircraft crash, explosion, missiles, toxic gas, flammable gas, or turbine blade failures.
If	-	Logic term which indicates that taking the action prescribed is contingent upon the current existence of the stated condition(s). If the identified conditions do not exist, the prescribed action is not to be taken and execution of operator actions must proceed promptly in accordance with subsequent instructions.
Increase	-	To become progressively greater in size, amount, number or intensity.
Indicate	-	To point out or point to; to display the value of a process variable; to be a sign or symbol.
Initiate	-	The act of placing equipment or a system into service, either manually or automatically. Activation of a function or protective feature (i.e. initiate a manual trip).
Injection	-	The act of forcing a fluid into a volume or vessel.
Inoperable	-	Not able to perform it's intended function.
Intrusion	-	The act of entering without authorization.
LOCA	-	Entry into E-1.
Loss	-	Failure of operability or lack of access to.
Loss of all Meteorological Indications	-	Total loss of wind speed, wind direction and temperature from the primary weather tower onsite and of wind direction and wind speed from the back up weather tower located at Station 13A (accessible using EPIP 2-2), and all off-site sources available to the on-shift RP Tech.
Loss of Secondary Coolant	-	Entry into E-1.
Maintain	-	Take action, as necessary, to keep the value of the specified parameter within the applicable limits.
Monitor	-	Observe and evaluate at a frequency sufficient to remain apprised of the value, trend, and rate of change of the specified parameter.
Notify	-	To give notice of or report the occurrence of; to make known to; to inform specified personnel; to advise; to communicate; to contact; to relay.

OBE	- Operating Basis Earthquake. An earthquake having 0.08g peak ground acceleration.
Open	- To position a valve or damper so as to allow flow of the process fluid. - To break an electrical connection which removes a power supply from an electrical device. - To make available for entry or passage by turning back, removing, or clearing away.
Operable	- Able to perform it's intended function.
Perform	- To carry out an action; to accomplish; to affect; to reach an objective.
Periodically	- As plant conditions change.
Plant Building	- Turbine Building, Serv. Building, Containment, Aux. Building, Standby Aux. Feed Building or the Screen House, Contaminated Storage Building or Upper Radwaste Storage Building.
Primary System	- The pipes, valves, and other equipment which connect directly to the reactor vessel or reactor coolant system such that a reduction in reactor coolant system pressure will effect a decrease in the steam or water pressure being discharged through an unisolated break in the system.
Radiation Monitor	- Any permanent or temporary area or process monitor.
Remove	- To change the location or position of.
Report	- To describe as being in a specific state.
Require	- To demand as necessary or essential.
Restore	- Take the appropriate action required to return the value of an identified parameter to within applicable limits.
Rise	- Describes an increase in a parameter as the result of an operator or automatic system.
Safe Shutdown Equipment	- Minimum equipment required by Appendix "R" procedures.
Sample	- To perform an analysis on a specified media to determine its properties.
SGTR	- Entry into E-3.
Shutdown	- To perform operations necessary to cause equipment to cease or suspend operation; to stop. "Shutdown unnecessary equipment."

Site Area Emergency	-	Events are in progress or have occurred which involve actual or likely major failures of plant functions needed for protection of the public. Any releases are not expected to result in exposure levels which exceed EPA Protective Action Guideline exposure levels except near the site boundary.
Sustained	-	Prolonged. Not intermittent or of transitory nature.
Sustained Winds	-	The steady average value for more than one minute.
SSE	-	Safe Shutdown Earthquake. An earthquake having 0.2g peak ground acceleration.
TEDE	-	Total Effective Dose Equivalent.
Thyroid Dose	-	Thyroid dose is assumed to be the same as Committed Dose Equivalent (CDE).
Trip	-	To de-energize a pump or fan motor; to position a breaker so as to interrupt or prevent the flow of current in the associated circuit; to manually activate a semi-automatic feature. - To take action to cause shutdown of the reactor by opening the reactor trip breaker.
Total Loss of All Feedwater	-	Total loss of Condensate, Mainfeed, all Auxiliary Feedwater and Standby Auxiliary Feedwater.
Uncontrolled	-	An evolution lacking control but is not the result of operator action.
Unexplained	-	A condition where parameters/condition exist that are not normal for current plant status and are not a result of operator action.
Unmonitored Release	-	A release of radioactive material to the environment which does not pass through an area or process monitor.
Unplanned	-	Not as an expected result of deliberate action.
Until	-	Indicates that the associated prescribed action is to proceed only so long as the identified condition does not exist.
Unusual Event	-	Events are in progress or have occurred which indicate a potential degradation of the level of safety of the plant. No releases of radioactive material requiring offsite response or monitoring are expected unless further degradation of safety systems occurs.
Valid	-	Supported or corroborated on a sound basis.
Vent	-	To open an effluent (exhaust) flowpath from an enclosed volume; to reduce pressure in an enclosed volume.
Verify	-	To confirm a condition and take action to establish that condition if required. "Verify reactor trip, verify SI pumps running."

Vital Areas	- Areas of the plant containing equipment or machinery that could affect the safe operation or shutdown of the plant.
Whole Body Dose	- Whole body dose is assumed to be the same as Total Effective Dose Equivalent (TEDE).

Attachment 3
BARRIER LOSS/POTENTIAL LOSS
Fuel Cladding

Potential Loss	Loss
ORANGE path in F-0.2, CORE COOLING	RED path in F-0.2, CORE COOLING
RED path in F-0.3, HEAT SINK	Coolant activity > 300 µCi/cc of I-131
Core Exit Thermocouple Readings > 700 °F	Core Exit Thermocouple Readings > 1200 °F
RVLIS <77% w/ no RCPs running	Containment rad monitor reading >100 R/hr
Emergency Coordinator Judgment	Letdown Monitor (R-9) reading > 10 R/hr
	Emergency Coordinator Judgment

RCS

Potential Loss	Loss
RED path on F-0.4, INTEGRITY	RCS subcooling < EOP Fig. MIN SUBCOOLING due to RCS leakage
RED path on F-0.3, HEAT SINK	Unisolable secondary side line break with SG tube rupture as identified in E-3 "Steam Generator Tube Rupture"
Primary system leakage > 46 gpm	Containment radiation monitor reading > 10 R/hr
Emergency Coordinator Judgment	Emergency Coordinator Judgment

Attachment 3
BARRIER LOSS/POTENTAIL LOSS
Containment

Potential Loss	Loss
RED path F-0.5, CONTAINMENT Either: Core exit thermocouples >1200 °F OR Core exit thermocouples >700 °F with RVLIS <77% (no RCPs) AND Restoration procedures not effective within 15 minutes Safety injection signal due to LOCA with < the minimum containment cooling safeguards equipment operating: CNMT pressure <28 psig: 2 CNMT Recirc Fans CNMT pressure ≥28 psig: 2 CNMT Spray Pumps OR 2 CNMT Recirc Fans and 1 CNMT Spray Pump Containment pressure 60 psig and increasing ≥4 % hydrogen concentration in containment Containment radiation monitor reading >1000 R/hr Emergency Coordinator Judgment	Rapid uncontrolled decrease in Containment Pressure following initial increase Loss of primary coolant inside containment with containment pressure or sump level response not consistent with LOCA conditions, i.e. unexpected changes occur in these parameters that are not explainable due to operator actions or automatic system actions. Either: CI or CVI isolation required and CI or CVI valve(s) not closed when required OR Inability to isolate any primary system discharging outside containment AND Radiological release pathway to the environment exists Release of secondary side to atmosphere with primary to secondary leakage greater than tech spec allowable of 0.1 GPM per steam generator Both doors open on containment airlock OR Inability to close containment pressure relief or purge valves which results in a radiological release pathway to the environment OR CI or CVI valve(s) not closed when required which results in a radiological release pathway to the environment Emergency Coordinator Judgment

ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER 23

PROCEDURE NO. EPIP 2-1 REV. NO. 18

PROTECTIVE ACTION RECOMMENDATIONS

TECHNICAL REVIEW

RESPONSIBLE MANAGER

01/17/01

EFFECTIVE DATE

CATEGORY 1.0

THIS PROCEDURE CONTAINS 15 PAGES

EPIP 2-1

PROTECTIVE ACTION RECOMMENDATIONS

1.0 **PURPOSE:**

1.1 The purpose of this procedure is to provide guidance to the Emergency Coordinator or EOF/Recovery Manager in making protective action recommendations to offsite authorities.

2.0 **RESPONSIBILITY:**

2.1 The Shift Supervisor, Emergency Coordinator (TSC) or EOF/Recovery Manager is responsible for making protective action recommendations to Wayne County, Monroe County and New York State, depending on command and control status.

2.2 The decision to implement any protective actions is solely the responsibility of the local authorities.

3.0 **REFERENCES:**

3.1 Developmental References

3.1.1 Nuclear Emergency Response Plan

3.1.2 EPA-400, Manual of Protective Action Guides and Protective Actions for Nuclear Incidents (1991)

3.1.3 Evacuation Travel Time Estimates - Ginna Emergency Planning Zone, September 1992.

3.1.4 NUREG/BR - 0150 Response Technical Manual (RTM-93)

3.2 Implementing References

3.2.1 EPIP 1-0, Ginna Station Event Evaluation and Classification

3.2.2 EPIP 1-5, Notification

3.2.3 EPIP 2-3, Emergency Release Rate Determination

3.2.4 EPIP 2-4, Emergency Dose Projections - Manual Method

3.2.5 EPIP 2-18, Control Room Dose Assessment

3.2.6 EPIP 2-5, Emergency Dose Projections - Personal Computer Method

3.2.7 EPIP 2-6, Emergency Dose Projections - MIDAS Program

4.0 **PRECAUTIONS:**

None

5.0 **PREREQUISITES:**

None.

6.0 **INSTRUCTIONS:**

NOTE: PROTECTIVE ACTION RECOMMENDATIONS (PARs) WILL ONLY REFLECT RG&E RECOMMENDATIONS, NOT ACTIONS IMPLEMENTED BY OFFSITE OFFICIALS.

6.1 Obtain the event classification using EPIP 1-0.

6.2 UNUSUAL EVENT, ALERT and SITE AREA EMERGENCY.

6.2.1 Report on EPIP 1-5, Attachment 3a, Item 7:

A. **No need for protective actions outside the site boundary.**

6.3 GENERAL EMERGENCY

6.3.1 Protective Action Recommendations shall be issued with the initial declaration of a General Emergency.

6.3.2 Using Attachment 1, Page 1 of 2, and the current wind direction, determine the initial ERPAs to be evacuated. Any ERPA not evacuated will be sheltered.

6.3.3 Record in EPIP 1-5, Attachment 3a, Item 7 the Protective Actions Recommended.

6.3.4 Re-evaluate the PARs based on the following to determine if secondary PARs are required or if initial PARs need to be modified.:

a. Dose Assessment*
b. Survey Team data*

c. EPA Protective Action Guidelines (Attachment 2)
d. Wind shifts

* = If exposures in non-evacuated areas indicate that evacuation is warranted, use Attachment 1 page 2 of 2 to expand Protective Action Recommendations to an evacuated area of 5 mile radius and 10 miles downwind.

6.3.5 The Evacuation Travel Time Estimate information (Attachment 3) is used by offsite agencies to determine the correct Protective Action Decision (PAD).

6.3.6 If the EPA guidelines for evacuation or sheltering are exceeded beyond the 10 mile emergency planning zone and protective actions are required, specify the areas using roads, rivers, bodies of water or town boundaries.

7.0 **ATTACHMENTS**:

1. Evacuation Areas by Zones.

2. Projected Dose to the Population and Recommended Actions.

3. Evacuation Travel Time Estimates.

4. Emergency Response Planning Areas (ERPA's).

EVACUATION AREAS BY ZONES
PROTECTIVE ACTION RECOMMENDATIONS BY ERPA FOR
GENERAL EMERGENCY CLASSIFICATION

Wind From	(Degrees)	Initial Protective Action Recommendations (Evacuation based on 2 mile radius & 5 miles downwind)
N	349 to 11	Evacuate: W (1,2,3) Shelter: All remaining ERPAs
NNE	12 to 33	Evacuate: W (1,2) M (1) Shelter: All remaining ERPAs
NE	34 to 56	Evacuate: W (1,2) M (1) Shelter: All remaining ERPAs
ENE	57 to 78	Evacuate: W (1,2) M (1) Shelter: All remaining ERPAs
E	79 to 101	Evacuate: W (1,2) M (1) Shelter: All remaining ERPAs
ESE	102 to 124	Evacuate: W (1) M (1) Shelter: All remaining ERPAs
SE	125 to 146	Evacuate: W (1) Shelter: All remaining ERPAs
SSE	147 to 168	Evacuate: W (1) Shelter: All remaining ERPAs
S	169 to 191	Evacuate: W (1) Shelter: All remaining ERPAs
SSW	192 to 213	Evacuate: W (1) Shelter: All remaining ERPAs
SW	214 to 236	Evacuate: W (1,3) Shelter: All remaining ERPAs
WSW	237 to 258	Evacuate: W (1,3) Shelter: All remaining ERPAs
W	259 to 281	Evacuate: W (1,3) Shelter : All remaining ERPAs
WNW	282 to 303	Evacuate: W (1,2,3) Shelter: All remaining ERPAs
NW	304 to 326	Evacuate: W (1,2,3) Shelter: All remaining ERPAs
NNW	327 to 348	Evacuate: W (1,2,3) Shelter: All remaining ERPAs

EVACUATION AREAS BY ZONES
PROTECTIVE ACTION RECOMMENDATIONS BY ERPA FOR
GENERAL EMERGENCY CLASSIFICATION

Wind From	(Degrees)	Initial Protective Action Recommendations (Evacuation based on 2 mile radius & 5 miles downwind)	Secondary Protective Action Recommendations (Evacuation based on 5 mile radius & 10 miles downwind)
N	349 to 11	Evacuate: W (1, 2, 3) Shelter: All remaining ERPAs	Evacuate: W (1, 2, 3, 5, 6, 7) M (1, 2, 4, 5) Shelter: All remaining ERPAs
NNE	12 to 33	Evacuate: W (1, 2) M (1) Shelter: All remaining ERPAs	Evacuate: W (1, 2, 3, 6, 7) M (1, 2, 3, 4, 5, 6, 7, 9) Shelter: All remaining ERPAs
NE	34 to 56	Evacuate: W (1, 2) M (1) Shelter: All remaining ERPAs	Evacuate: W (1, 2, 3, 7) M (1, 2, 3, 4, 5, 6, 7, 8, 9) Shelter: All remaining ERPAs
ENE	57 to 78	Evacuate: W (1, 2) M (1) Shelter: All remaining ERPAs	Evacuate: W (1, 2, 3, 7) M (1, 2, 3, 4, 5, 6, 7, 8, 9) Shelter: All remaining ERPAs
E	79 to 101	Evacuate: W (1, 2) M (1) Shelter: All remaining ERPAs	Evacuate: W (1, 2, 3) M (1, 2, 3, 4, 6, 7, 8, 9) Shelter: All remaining ERPAs
ESE	102 to 124	Evacuate: W (1) M (1) Shelter: All remaining ERPAs	Evacuate: W (1, 2, 3) M (1, 3, 6, 8, 9) Shelter: All remaining ERPAs
SE	125 to 146	Evacuate: W (1) Shelter: All remaining ERPAs	Evacuate: W (1, 2, 3) M (1) Shelter: All remaining ERPAs
SSE	147 to 168	Evacuate: W (1) Shelter: All remaining ERPAs	Evacuate: W (1, 2, 3) M (1) Shelter: All remaining ERPAs
S	169 to 191	Evacuate: W (1) Shelter: All remaining ERPAs	Evacuate: W (1, 2, 3) M (1) Shelter: All remaining ERPAs
SSW	192 to 213	Evacuate W (1) Shelter: All remaining ERPAs	Evacuate: W (1, 2, 3) M (1) Shelter: All remaining ERPAs
SW	214 to 236	Evacuate: W (1, 3) Shelter: All remaining ERPAs	Evacuate: W (1, 2, 3, 4) M (1) Shelter: All remaining ERPAs
WSW	237 to 258	Evacuate: W (1, 3) Shelter: All remaining ERPAs	Evacuate: W (1, 2, 3, 4, 5) M (1) Shelter: All remaining ERPAs
W	259to 281	Evacuate: W (1, 3) Shelter: All remaining ERPAs	Evacuate: W (1, 2, 3, 4, 5, 6) M (1) Shelter: All remaining ERPAs
WNW	282 to 303	Evacuate: W (1, 2, 3) Shelter: All remaining ERPAs	Evacuate: W (1, 2, 3, 4, 5, 6, 7) M (1) Shelter: All remaining ERPAs
NW	304 t0 326	Evacuate: W (1, 2, 3) Shelter: All remaining ERPAs	Evacuate: W (1, 2, 3, 4, 5, 6, 7) M (1, 2) Shelter: All remaining ERPAs
NNW	327 to 348	Evacuate: W (1, 2, 3) Shelter: All remaining ERPAs	Evacuate: W (1, 2, 3, 4, 5, 6, 7) M (1, 2, 5) Shelter: All remaining ERPAs

PROJECTED DOSE TO THE POPULATION AND RECOMMENDED ACTIONS

PROJECTED DOSE TO THE POPULATION	RECOMMENDED ACTIONS	COMMENTS
Total Whole Body < 1 REM*	No planned protective actions. Local authorities or State may issue an advisory to seek shelter and await further instructions. Monitor environmental radiation levels.	None.
Total Whole Body ≥ 1 REM*	Conduct evacuation.* Monitor environmental radiation levels and adjust area for mandatory evacuation based on these levels. Control access.	Evacuation (or for some situation, sheltering**) should be initiated at one REM. Seeking shelter would be an alternative if evacuation were not immediately possible.
Project Dose (REM) to Emergency Team Workers		
Total Whole Body 25 REM	Control exposure of emergency team members to these levels except for lifesaving mission. (Appropriate controls for emergency workers include time limitations, respirators and stable iodine.)	None.
Total Whole Body 75 REM	Control exposure of emergency team members performing lifesaving missions to this level. (Control of time of exposure will be most effective.)	None.

NOTES:

* The sum of the effective dose equivalent resulting from exposure to external sources and the committed effective dose equivalent incurred from all significant inhalation pathways during the early phase.

** Sheltering may be the preferred protective action when it will provide protection equal to or greater than evacuation, based on consideration of factors such as source term characteristics and temporal or other site-specific conditions.

EVACUATION TRAVEL TIME ESTIMATES

1. When discussing an evacuation, use this attachment to resolve conflicts.

2. 1992 Permanent Resident Population Estimates

EPRA	Population	ERPA	Population
W-1	3207	M-1	2421
W-2	5395	M-2	435
W-3	1200	M-3	258
W-4	2092	M-4	6681
W-5	3855	M-5	1253
W-6	2425	M-6	6943
W-7	4924	M-7	4750
		M-8	3033
		M-9	3285

3. Use the following curves to assist in estimating evacuation decisions.

Figure	Weather Conditions	Time of Week
41	Summer, Good Weather	Midweek, Midday
43	Summer, Rainy Weather	Midweek, Midday
45	Summer, Good Weather	Midweek, Evening
49	Summer, Good Weather	Weekend, Midday
53	Winter, Good Weather	Midweek, Midday
55	Winter, Rainy Weather	Midweek, Midday
57	Winter, Snowy Weather	Midweek, Midday

FIGURE 41
Evacuation Travel Time Estimates
Ginna Nuclear Power Station
Summer, Midweek, Midday
Good Weather

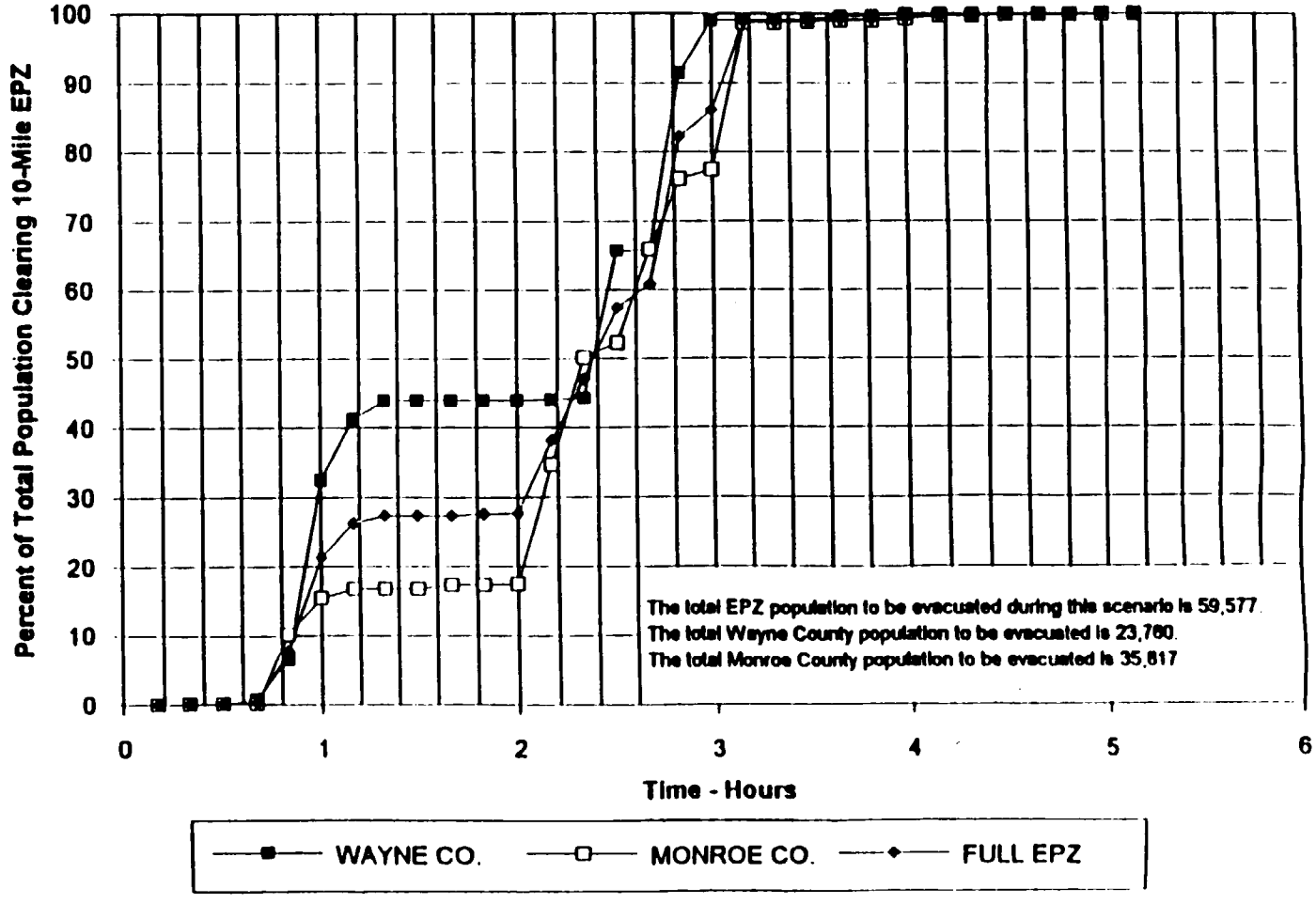


FIGURE 43
Evacuation Travel Time Estimates
Ginna Nuclear Power Station
Summer, Midweek, Midday
Rainy Weather

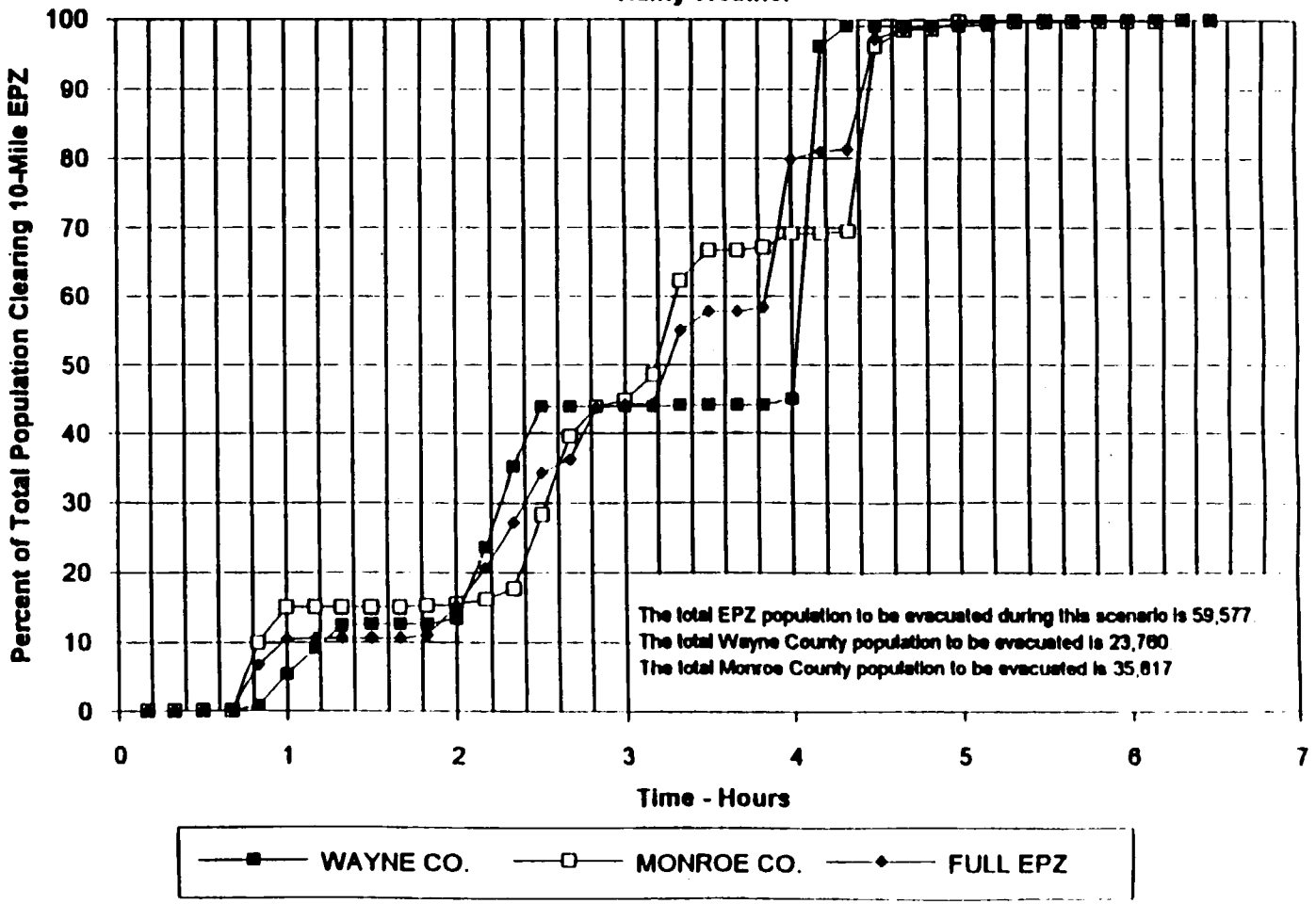


FIGURE 45
Evacuation Travel Time Estimates
Ginna Nuclear Power Station
Summer, Midweek, Evening
Good Weather

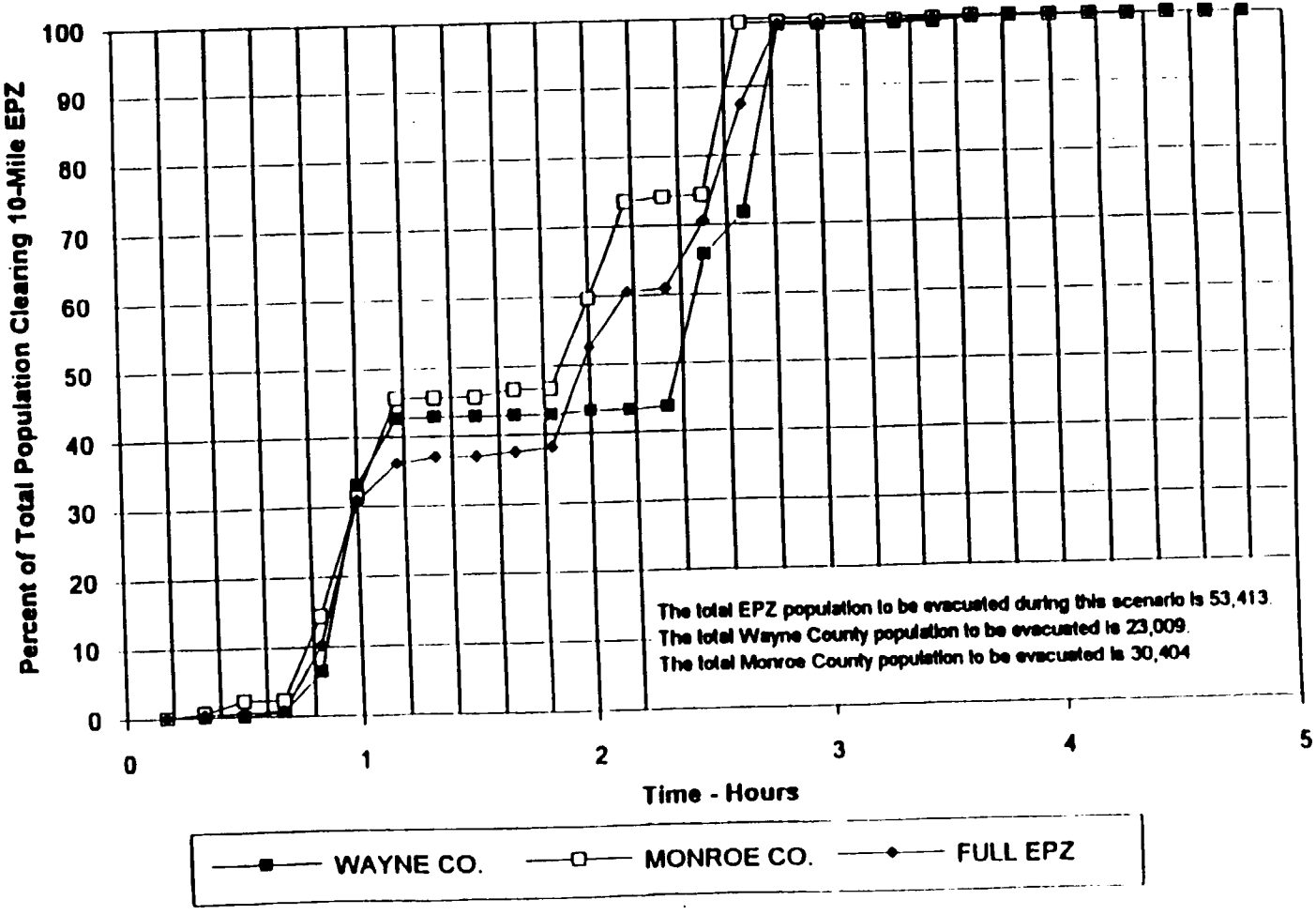


FIGURE 49
Evacuation Travel Time Estimates
Ginna Nuclear Power Station
Summer, Weekend, Midday
Good Weather

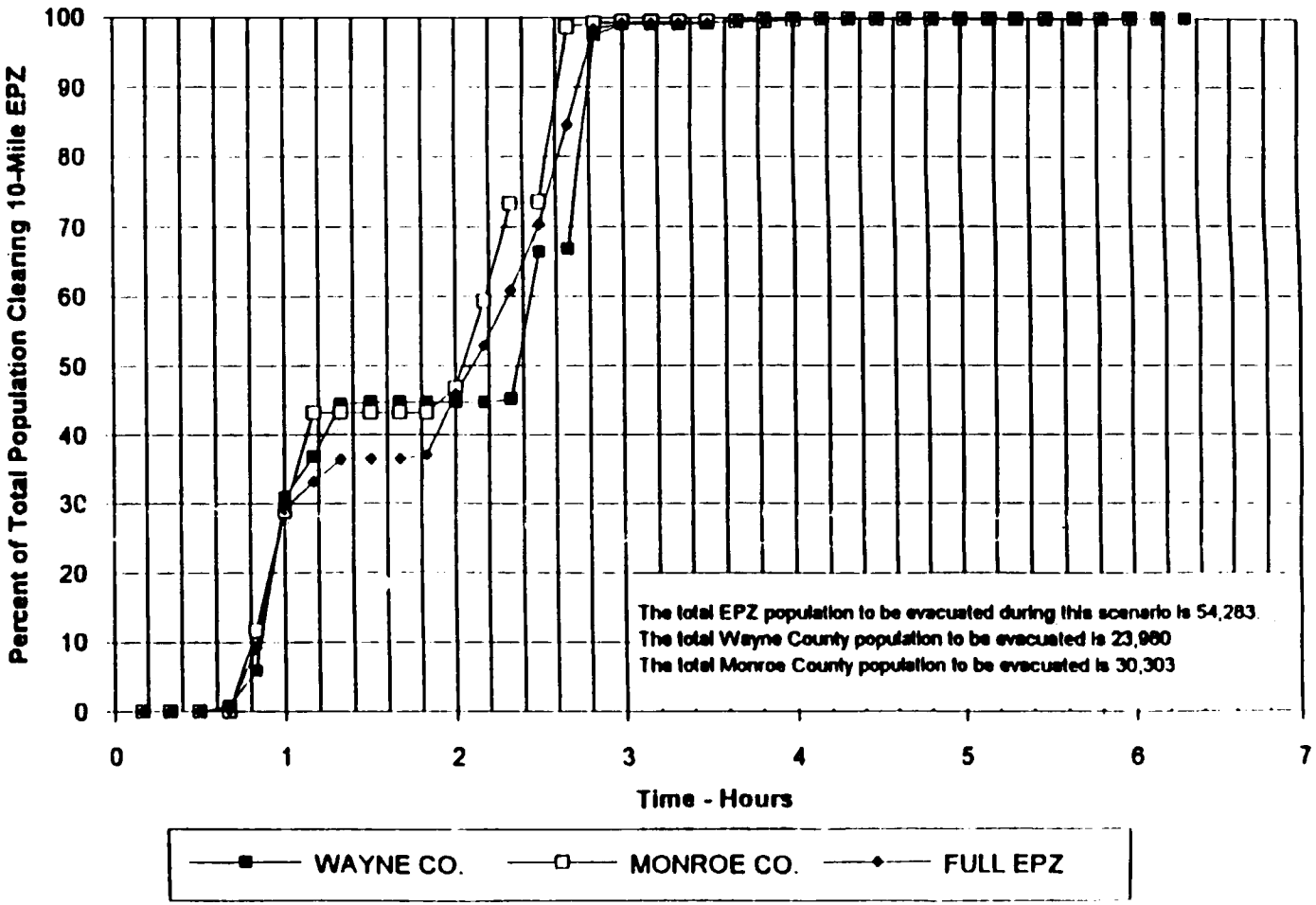


FIGURE 53
Evacuation Travel Time Estimates
Ginna Nuclear Power Station
Winter, Midweek, Midday
Good Weather

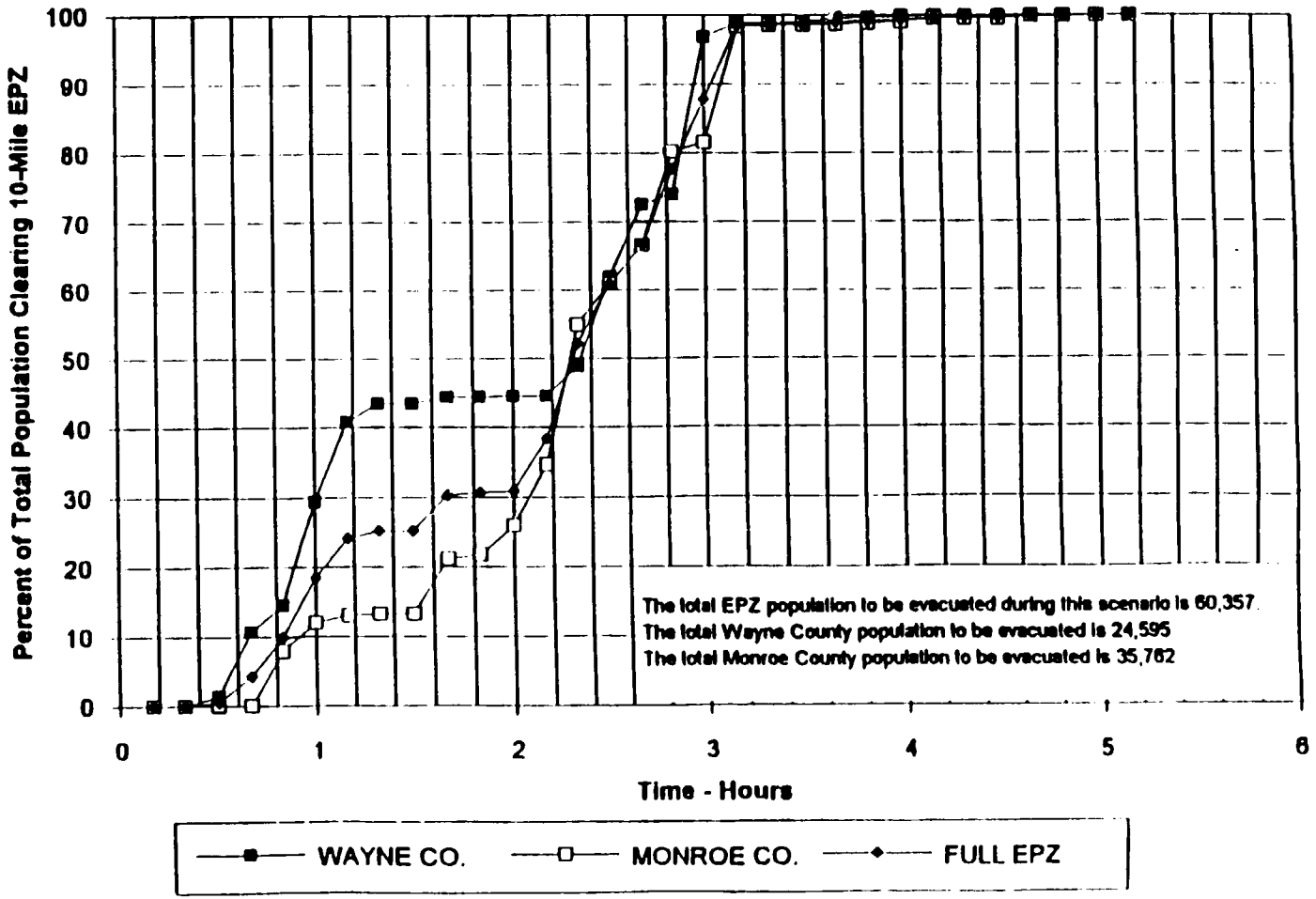


FIGURE 55
Evacuation Travel Time Estimates
Ginna Nuclear Power Station
Winter, Midweek, Midday
Rainy Weather

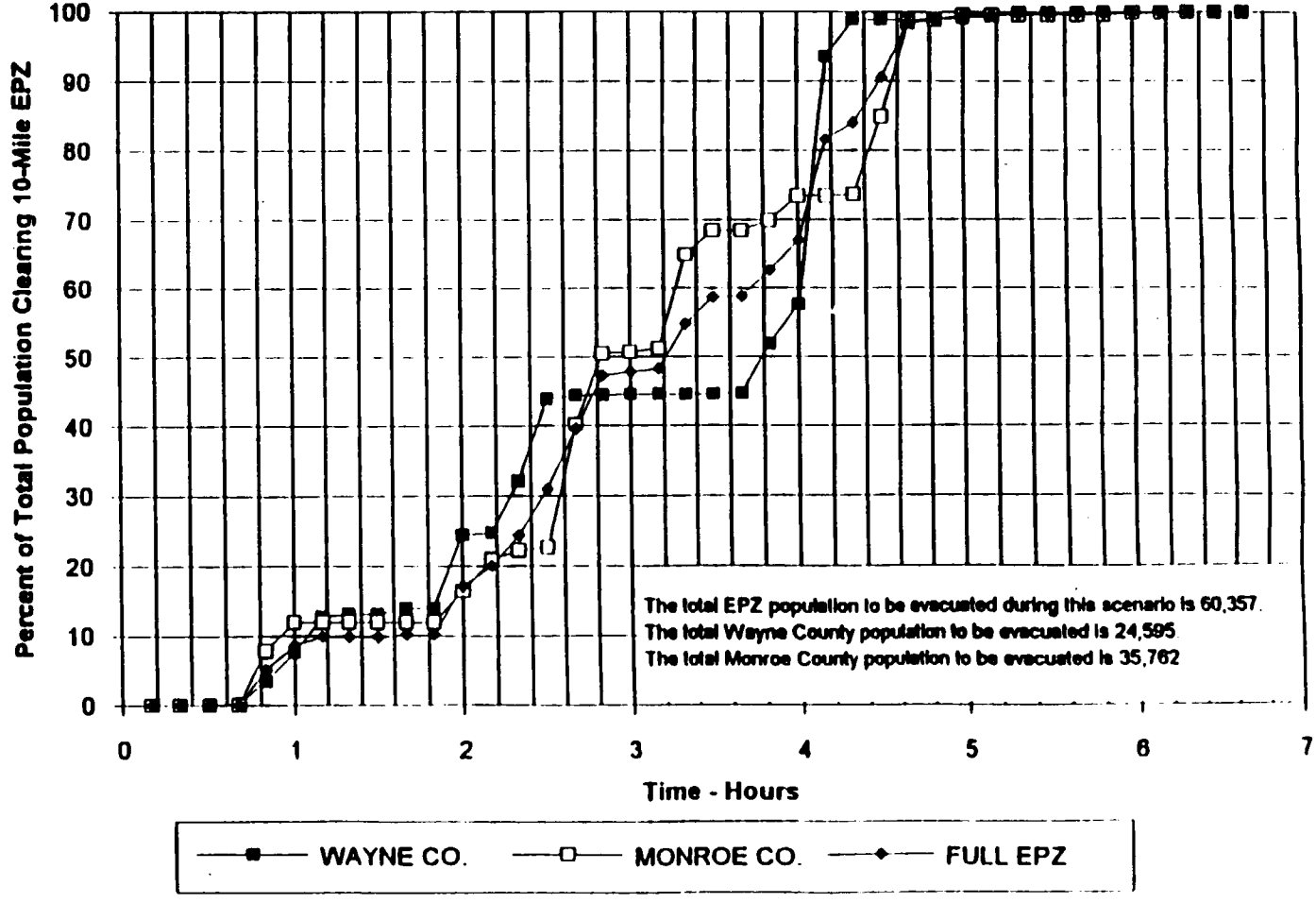
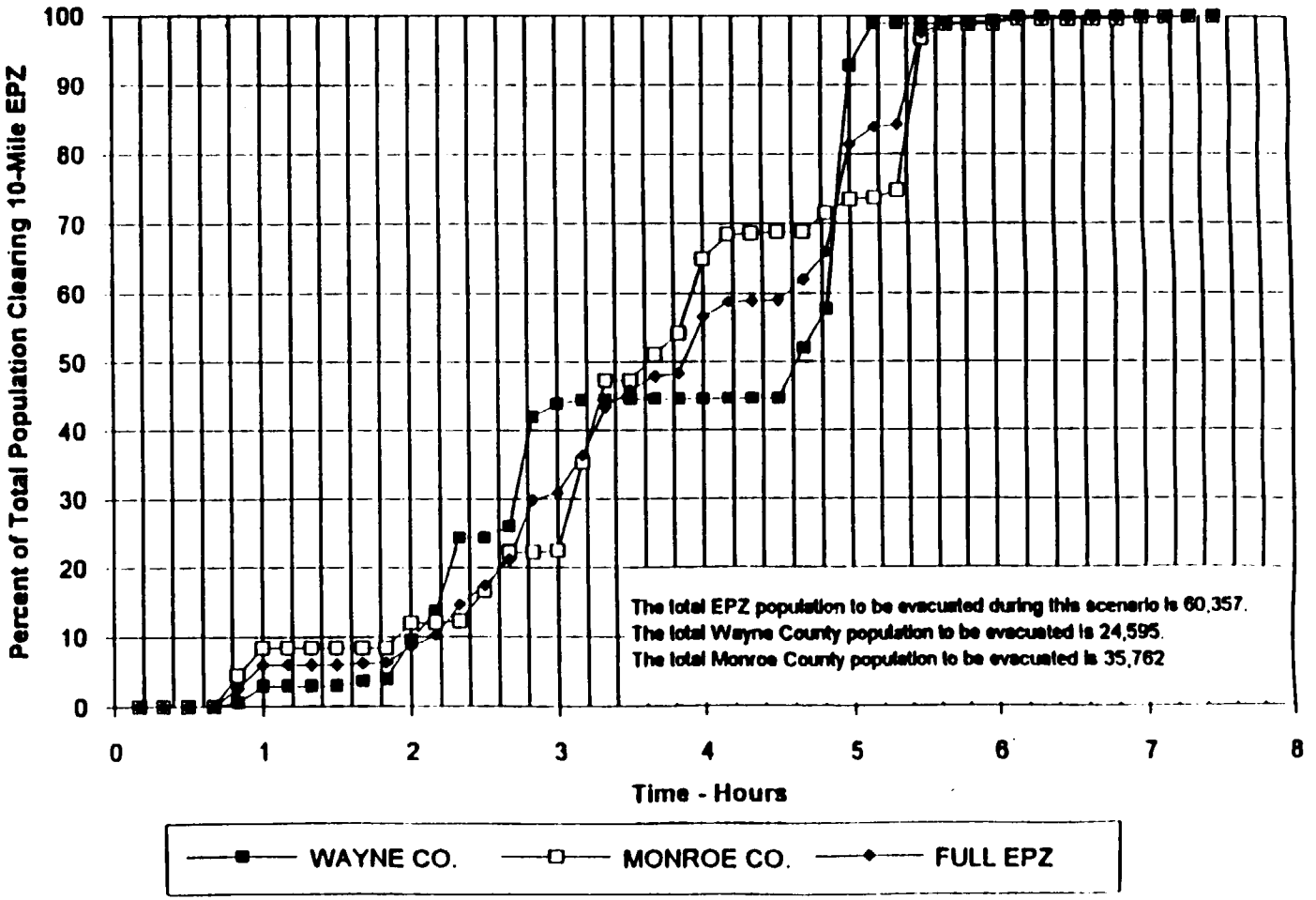
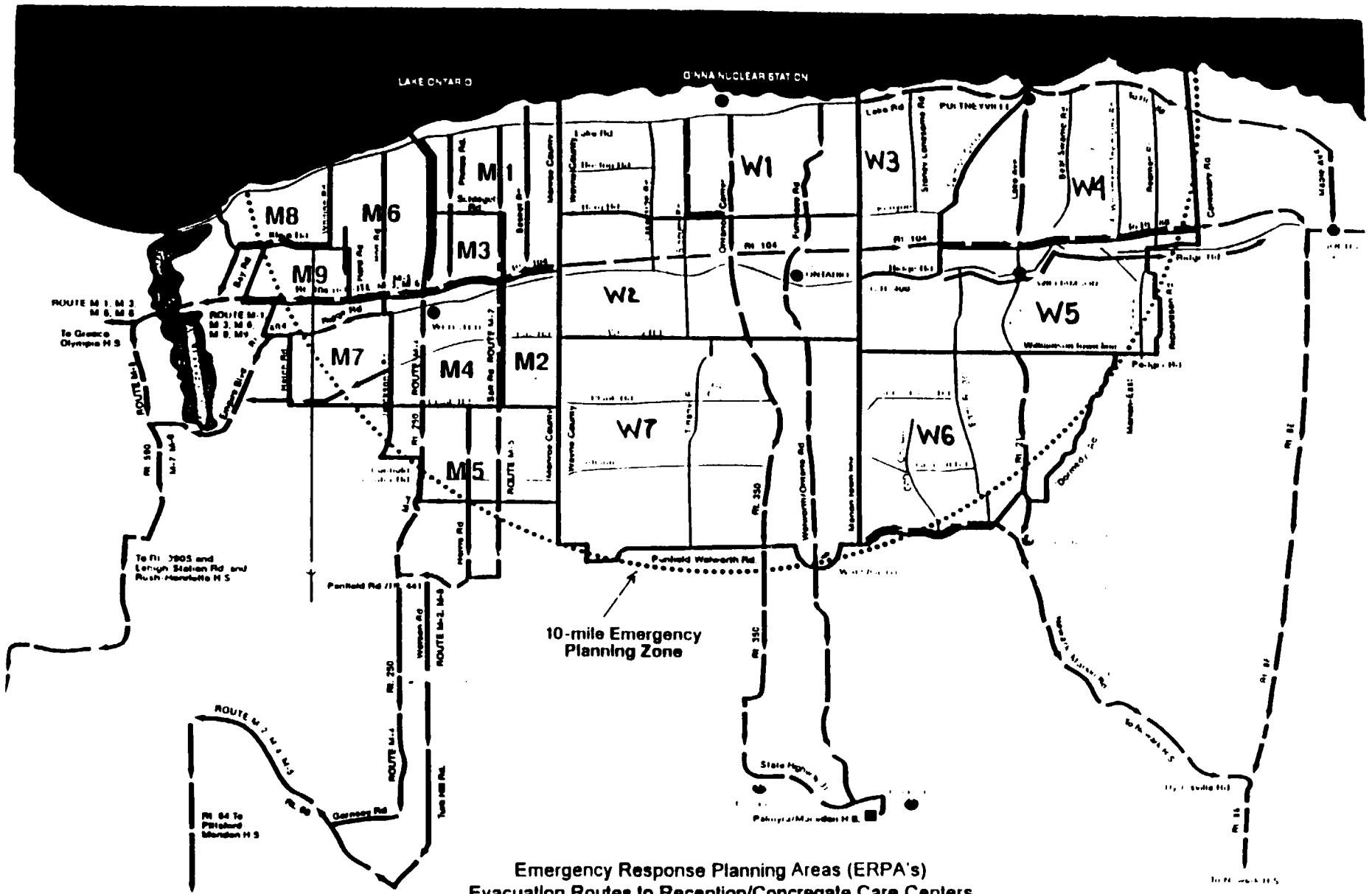


FIGURE 57
Evacuation Travel Time Estimates
Ginna Nuclear Power Station
Winter, Midweek, Midday
Snowy Weather





Emergency Response Planning Areas (ERPA's)
Evacuation Routes to Reception/Concregate Care Centers

ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER 23

PROCEDURE NO. EPIP 5-1 REV. NO. 20

OFFSITE EMERGENCY RESPONSE FACILITIES AND EQUIPMENT

PERIODIC INVENTORY CHECKS AND TESTS

RESPONSIBLE MANAGER

01/17/01

EFFECTIVE DATE

Category 1.0

Reviewed by: _____

This procedure contains 17 pages

EPIP 5-1

OFFSITE EMERGENCY RESPONSE FACILITIES AND EQUIPMENT

PERIODIC INVENTORY CHECKS AND TESTS

1.0 PURPOSE

The equipment required by the Nuclear Emergency Response Plan and the means of assuring it is available are outlined in this procedure. Inspections will be made quarterly, monthly, or, as required by Technical Specifications and after each drill or use.

2.0 RESPONSIBILITY

The Corporate Nuclear Emergency Planner (CNEP) or designee is responsible for ensuring the periodic inspections, inventory and operational checking of emergency preparedness equipment.

3.0 REFERENCES

3.1 Developmental References

3.1.1 Nuclear Emergency Response Plan

3.1.2 Tech. Specs, Table 4.1-1 Minimum frequencies for checks, calibrations and test of instrument channels

3.2 Implementing References

3.2.1 RP-JC-DAILY-SRC-CHKS, Daily Instrument Source Checks.

3.2.2 EPIP 2-12, Offsite Surveys

3.2.3 EPIP 2-2, Obtaining Meteorological Data and Forecasts and Their Use in Emergency Dose Assessment

3.2.4 RP-JC_AIRSAMPLE, Attachment 1, Air Sample Job Coverage Record

3.2.5 RP-RES-M-RESP, Decontamination, Packing and Storage of Respirators

3.2.6 RP-RES-M-RESP, Maintenance, Inspection and Repair of Scottoramic Respirators

4.0 PRECAUTIONS

This procedure may be performed in any order, and attachments may be removed and submitted individually.

5.0 PREREQUISITES

Obtain current copies of applicable procedures of RP-JC-DAILY-SRC-CHKS

6.0 ACTIONS

6.1 Inspection and/or testing of Equipment

6.1.1 Inspect and/or test each location using Attachments 1 through 4.

6.1.2 Send completed attachments to the CNEP for review.

6.1.3 Inspection of EOF/Recovery Center, Engineering Support Center, EOF/Recovery Center Store Room General Equipment, and Offsite Dose Assessment Area.

a. Check Center for general equipment and communications, Attachment 1.
b. Checks will be done monthly.

6.1.4 Inspection of Joint Emergency News Center

a. Check Joint Emergency News Center for general equipment and communications, Attachment 2.
b. All equipment shall be tested quarterly.

6.2 Reporting Discrepancies

6.2.1 If any discrepancies are found, the CNEP or designee will make a note on the emergency equipment monthly inspection log, Attachment 5. If there are no discrepancies, enter none for each location.

6.2.2 Discrepancies are to be corrected as soon as possible and so noted on the Log sheet.

7.0 ATTACHMENTS

1. General Equipment in EOF/Recovery Center
2. Joint Emergency News Center Equipment Check List
3. Nuclear Emergency Offsite Response Radio Operation Procedure
4. Mobile Cellular Telephone Equipment Check
5. Emergency Equipment Monthly Inspection Log

GENERAL EQUIPMENT IN EOF/RECOVERY CENTER

Main Room

1. Clocks (operating and set to present time; min. 1 unit) _____

2. RTC, Wayne and EOF Telephone Directories at each manager position. _____

3. Wayne, Monroe and New York State positions have a copy of their Emergency Plans at their position. _____

4. Computer and printer for news announcements (turn on, launch any new corporate software upgrades and print a press release). _____

5. Observe operation of SAS/PPCS by checking clock time. _____

6. PPCS Projector - check "status" light on projector. Change bulb if status light is on. _____

7. Check that there are a minimum of 5 copies of each EPIP in the drawer. _____

Offsite Dose Assessment Room

1. Clock (operating and set to present time; min. 1 unit) _____

2. Sufficient RTC, Wayne and EOF Telephone Directories _____

3. Personal Computers (min. 2 units); check operability by contacting primary met tower, back-up met tower and MIDAS _____

4. Observe operation of SAS/PPCS by checking clock time. _____

5. Verify radio operation (Attachment 3, step 1.1) _____

6. Technical Support Center (Dose Assessment) Direct Line - Monthly Test

   a. Verify operation by ringing TSC and performing a callback to the EOF. _____

GENERAL EQUIPMENT IN EOF/RECOVERY CENTER
(Continued)

Offsite Dose Assessment Room (Cont'd.)

7. RM-14 Frisker with pancake probe or equivalent. Perform battery check, calibration check, response check and document using RP-JC-DAILY-SRC-CHKS. Serial No. _____ Exp. _____ _____

Communications Room

1. RECs Line - Monthly Test

   a. Pick up handset and depress "A" then "*" for all call. _____

   b. After ten seconds, depress "Push to talk" base on handset and state that "THIS IS A TEST. THIS IS THE GINNA STATION EMERGENCY OPERATIONS FACILITY CALLING THE STATE AND COUNTY WARNING POINTS. PLEASE STAND BY FOR ROLL CALL." _____

NOTE: RELEASE "PUSH TO TALK" BAR WHEN NOT SPEAKING.

   c. Then announce the following roll call:

      Wayne County Warning Point

      Monroe County Warning Point

      New York State Warning Point

   d. Recall warning points, if necessary, until they answer roll call. _____

   e. At completion of test, state "THIS IS THE END OF THE TEST, GINNA EMERGENCY OPERATIONS FACILITY OUT AT (Time) , ON (Date)", depress "A" then "#". _____

   f. Report any problems to the New York State Warning Point at (518) 457-2200.

GENERAL EQUIPMENT IN EOF/RECOVERY CENTER
(Continued)

2. NRC ENS and Commercial Telephone System - Monthly Test

   a. (ENS) Call 301-816-5100 - state to operator, "This is a communications check". Request a call back to ensure operation. _____

   b. From the ENS phone call the other FTS2000 extensions. _____

Reactor Safety Counterpart Link	716-724-8423
Management Safety Counterpart Link	716-771-6126
Protective Measures Counterpart Link	716-771-6127
Local Area Network	716-724-8424
Emergency Notification System	716-771-6128
Health Physics Network	716-724-8422

NOTE: **ALTERNATE TESTS BETWEEN RECS DROPS IN COMMUNICATIONS AND EMERGENCY PLANNING ROOMS.**

Information Center Room

1. Ginna procedures needed for EOF/Recovery Center _____
2. Ginna UFSAR _____
3. Ginna Technical Specifications _____

Clerical Supervision Room

1. Test Fax Machines by faxing a test message to New York State, Wayne County, Monroe County, TSC and Survey Center _____
2. Clock (operating and set to present time; min. 1 unit) _____
3. RTC, Wayne and EOF Telephone Directory (min. 1) Directories _____

Conference Room

1. Clock (operating and set to present time; min 1 unit) _____

GENERAL EQUIPMENT IN EOF/RECOVERY CENTER
(Continued)

Store Room

1. Survey team boxes - EOF-1, EOF-2. If seal is unbroken, assume equipment is intact. Inventory boxes and change batteries in January and July. _____

2. Survey meters. Battery check, check calibration date, response check and document using RP-JC-DAILY-SRC-CHKS. _____

   Low range,
   RM-14 with pancake probe or equivalent (min. 2 units) _____
   Serial #_____ Exp._____
   Serial #_____ Exp._____

   Bicron Micro-R or equivalent (min. 2 units) _____
   Serial #_____ Exp._____
   Serial #_____ Exp._____

   High range, Eberline RO-20 or equivalent (min. 2 units) _____
   Serial #_____ Exp._____
   Serial #_____ Exp._____

3. Dosimeter charger, battery operated - check operation (min. 1 unit) _____

4. Self-reading Pocket Dosimeters - check check calibration _____

   0-1500 mr (min. 4 units) Exp._____
   0-10R (min. 4 units) Exp. _____ _____

5. Thermoluminescent dosimeters (TLDs) _____
   (min 6-units*) Exp._____

   * Four TLDs are assigned to personnel; two are for background purposes.

GENERAL EQUIPMENT IN EOF/RECOVERY CENTER (Con't)

Store Room (Con't)

6. Air samplers. Check calibration. Run samplers for several minutes to check operation. Ensure filters ARE NOT left in holders. _____

   Low volume, Gilian or equivalent. Ensure units are plugged into charger after test (min. 2 units)

   Serial #_____ Exp._____
   Serial #_____ Exp._____ _____

   RADECO H 809 C. Run for 1 minute (min. 2 units)

   Serial #_____ Exp. _____
   Serial #_____ Exp. _____ _____

NOTE: PRECEDE ALL COMMUNICATIONS WITH "THIS IS A TEST"

7. Motorola GM300 Mobile Portable Radios

   Turn on each radio (2) and conduct operability test with EOF Security. See Attachment 3 for Radio Operation Instructions. _____

8. Antenna, magnetic car mount (min. 2 units) _____

9. Cellular phones. Check operation of each unit by performing Attachment 4. (min. 2 units). _____

10. Full Face Respirators (min. 4 units) _____

GENERAL EQUIPMENT IN EOF/RECOVERY CENTER (Con't)

11. Inspect respirator and mark bag with inspection date and initials per RP-RES-M-RESP. _____

12. Respiratory Charcoal Filters (min. 4 units) _____
    Expiration date: _____

13. Air Sample Job Coverage Record for SCOTT A Respirators per RP-JC AIRSAMPLE, ATT.1 (min. 10 copies) _____

Performed by _____ Date _____

EMERGENCY EQUIPMENT FOR SURVEY TEAM BOXES - EOF

TEAM BOX _____

NOTE: USE ONE ATTACHMENT FOR EACH TEAM BOX INVENTORY. IF BOX IS SEALED, INVENTORY IS NOT REQUIRED. BOXES SHALL BE OPENED IN JANUARY AND JULY FOR BATTERY CHANGE AND INVENTORY.

1. Protective Clothing (min. 2 units each) _____
   - Coveralls, disposable _____
   - Hood, disposable _____
   - Gloves, disposable (min. 12 units) _____
   - Booties, disposable _____
   - Hood, rain _____
   - Coat, rain _____
   - Boots, rain _____
   - Orange Safety Vest (min. 1 unit) _____
2. Flashlight with batteries. Change batteries in January (min. 1 unit) _____
3. Plastic bags (min. 2 units) _____
4. Tape, masking. Replace in January (min. 2 units) _____
5. Stationary supplies
   - Pencils/pens (min. 2 units) _____
   - Pencil sharpener (min. 1 unit) _____
   - Tablet, writing (min. 1 unit) _____
   - Clipboard (min. 1 unit) _____
   - Ruler, scale in inches (min. 1 unit) _____
   - Scissors (min. 1 unit) _____
6. Survey route maps (min. 2 units) _____

EMERGENCY EQUIPMENT FOR SURVEY TEAM BOXES - EOF

TEAM BOX _____ (Con't)

7.	Air sampler filters	
	Particulate (min. 5 units)	_____
	Silver Zeolite (min. 5 units) Expiration: _____	_____
8.	Air Sample Envelopes (min. 10 units)	_____
9.	Smears (min. 1-box)	_____
10.	Thyroid block tablets. Check expiration date (min. 3 units) Exp._____	_____
11.	Tools	
	Hammer (min. 1 unit)	_____
	Nails (min. 10 units)	_____
	Trowel, garden (min. 1 unit)	_____
12.	Tags with wire ties (min. 10 units)	_____
13.	Quarters for phone calls (min. 10)	_____
14.	250 ml Poly bottles for liquid samples (min 2-units)	_____
15.	Tweezers	_____

Performed by _____ Date _____

JOINT EMERGENCY NEWS CENTER
EQUIPMENT CHECK LIST

NOTE: CODE = 2-4-5 FOR JENC ACCESS.

County Room

1. Clock (operating and set to the present time) _____

2. RTC and Wayne Co. Telephone Directories at each manager's position. _____

3. Computer Terminals (Min. 3 Terminals)
   Turn on, launch any new corporate software upgrades and Test Print Page verified. _____

4. Fax Machines (Min. 2) - correct date and time
   Test operability by sending a test fax to both fax machines. _____

New York State PIO Room

1. Clock (operating and set to the present time) _____

2. RTC and Wayne Co. Telephone Directories - 1 each _____

3. One Fax Machine - correct date and time.
   Test operability by sending a test fax by using test button and sending fax to county room. _____

RG&E PIO Room

1. Clocks (Min. 2) _____

2. RTC, Wayne Co. and EOF Telephone Directories (1 each) _____

3. One Fax Machine - correct date and time
   Test operability by sending a test fax by using test button and sending fax to county room. _____

4. One Computer - Turn on, launch any new corporate software upgrades and Test Print Page verified. _____

JOINT EMERGENCY NEWS CENTER
EQUIPMENT CHECK LIST
(Continued)

Rumor Control Room

1. Clock - set to present time _____

2. RTC and Wayne Co. Telephone Directories at each position _____

Performed by _____ Date _____

NUCLEAR EMERGENCY OFFSITE RESPONSE RADIO OPERATION PROCEDURE

1.0 INSTRUCTIONS

1.1 EOF/Recovery Center and EOF Dose Assessment Desk Set Radios

1.1.1 Check that radio power converter is plugged into a 110 volt AC power source and that miniature red light is on Channel F1.

1.1.2 Check that frequency switch on right side of desk set is in the desired position as follows:

a. Position 2 Rad Monitor, 153.59 MHz

b. Position 3 for Fire Brigade Frequency, 153.50 MHz

c. Position 4 General Maintenance Frequency, 153.53 MHz

1.1.3 Turn radio volume knob clockwise for proper volume.

NOTE: WHEN HANDSET IS PICKED UP FROM THE DESK SET, SPEAKER IS CUT OUT AND INCOMING VOICE COMMUNICATION IS THROUGH THE HANDSET ONLY.

1.1.4 Call ext. 3108 and ask for a test from the TSC on the Radiation Monitor channel. If there is no answer at ext. 3108, call ext. 3267 to test with SAS.

1.1.5 Pick-up and depress switch on handset to transmit. Release switch to receive.

1.1.6 Make communications check with another station using time and date.

1.2 Motorola GM300 Mobile Radios

1.2.1 Check that frequency switch on unit is in the desired position as follows:

a. Position 2 for Rad Monitor Teams

b. Position 3 for Fire Brigade

c. Position 4 for General Maintenance

1.2.2 Place selector on Channel 4.

NUCLEAR EMERGENCY OFF-SITE RESPONSE
RADIO OPERATION PROCEDURE
(Cont'd)

1.2.3 Monthly Test - Plug unit into transformer

1.2.3.1 Test radio with EOF Security.

1.2.3.2 Turn radio and transformer off and unplug radio from transformer.

CELLULAR TELEPHONE EQUIPMENT CHECK

NOTE: **It is necessary to exit the building in order to use the cellular phone effectively.**

1. Disconnect telephone from charging unit, if on charger.
2. Turn the unit on by pressing the PWR button on the handset.
3. To place a call, press the appropriate number buttons and verify the number displayed is correct.
4. Press the SND button to activate the call.
5. Press END button to end the test call.
6. To turn unit off, press PWR button. Ensure display is blank.
7. Return the unit to storage and ensure unit is plugged into the battery charger, if necessary.

EMERGENCY EQUIPMENT MONTHLY INSPECTION LOG

	DISCREPANCIES NOTED		DISCREPANCIES CORRECTED	
EOF/Recovery Center	Date_____	Initials____	Date_____	Initials____
Survey Team Boxes	Date_____	Initials_____	Date_____	Initials____
Offsite Dose Assessment Area	Date_____	Initials_____	Date_____	Initials____
Joint Emergency New Center	Date_____	Initials_____	Date_____	Initials____

One copy of the completed Attachment 8 Emergency Equipment Monthly Inspection Log provided to Corporate Nuclear Emergency Planner (49/2)

SUBMITTED BY: _____ DATE:_____

CNEP REVIEW: _____ DATE:_____

ROCHESTER GAS AND ELECTRIC CORPORATION

GINNA STATION

CONTROLLED COPY NUMBER 23

PROCEDURE NO. EPIP 5-2 REV. NO. 23

ONSITE EMERGENCY RESPONSE FACILITIES AND EQUIPMENT

PERIODIC INVENTORY CHECKS AND TESTS

RESPONSIBLE MANAGER

01/17/01

EFFECTIVE DATE

CATEGORY 1.0

REVIEWED BY: _____

THIS PROCEDURE CONTAINS 31 PAGES

EPIP 5-2

ONSITE EMERGENCY RESPONSE FACILITIES AND EQUIPMENT PERIODIC INVENTORY CHECKS AND TESTS

1.0 PURPOSE

The equipment required by the Nuclear Emergency Response Plan and the means of assuring it is available are outlined in this procedure. Inspections will be made monthly. After each drill or use, inventory Survey Team Boxes, Survey Center, Warehouse, TSC, OSC, and Control Room lockers to ensure equipment has been returned and is available for emergency use. (Only those boxes or lockers which were opened should be inventoried.)

2.0 RESPONSIBILITY

2.1 The Corporate Nuclear Emergency Planner (CNEP), is responsible for ensuring the periodic inspections, inventory and operational checking of emergency preparedness equipment.

2.2 The Ginna Radiation Protection Section usually performs the onsite inventories.

3.0 REFERENCES

3.1 Developmental References

3.1.1 Nuclear Emergency Response Plan

3.2 Implementing References

3.2.1 RP-INS-C-EFF, Efficiency Calibration of Alpha and Beta Counters

3.2.2 RP-JC-DAILY-SRC-CHKS, Daily Instrument Source Checks

3.2.3 SC-3.16.15, Charging of SKA-PAK, II, IIA, 300 Cubic Feet Cylinder Compressor or Cascade Method

3.2.4 SC-3.16.15.1, Charging of 4.5 Units Using the Breathing Air Compressor

3.2.5 SC-3.15.7, Inspection Of Self Contained Breathing Apparatus Scott 4.5 and Cascade System Charging Equipment

3.2.6 EPIP 2-11, Onsite Surveys

3.2.7 RP-JC-AIRSAMPLE, ATT 1, Air Sample Job Coverage Record

3.2.8 A-1.8, Radiation Work Permits

3.2.9 RP-RES-M-RESP, Decontamination, Packing and Storage of Respirators

3.2.10 EPIP 2-12, Offsite Surveys

3.2.11 EPIP 2-14, Post Plume Environmental Sampling

3.2.12 RP-INS-CAM-OPS, Constant Air Monitor Operation

4.0 PRECAUTIONS

4.1 This procedure may be performed in any order, and attachments may be removed and submitted individually.

5.0 PREREQUISITES

5.1 Obtain current copies of applicable procedures of RP-RES-ISSUE, A-1.8, SC-3.16.15 and SC-3.16.15.1

5.2 Each individual environmental TLD shall be sealed in plastic before being stored.

6.0 ACTIONS

6.1 Inspection of Equipment

6.1.1 Inspect each location using Attachments 1 through 6. These inspections are performed by initialing the blank space if minimum requirement is met on the Attachments.

a. Survey Center - Attachments 1 and 2.

b. Control Room - Attachment 3.

c. Operational Support Center, Radiation Protection Office, PASS (in Hot Shop) and Intermediate Building per Attachment 4.

d. Technical Support Center - Attachment 5.

e. Warehouse and Security Access Control Area (Guardhouse) - Attachment 6.

f. Engineering Support Center - Attachment 7

6.1.2 Notify Control Room (3235) and Corporate Nuclear Emergency Planner (6772) prior to initiating Survey Center and TSC communication checks to ensure confirmation of equipment operation.

6.1.3 Send completed attachments to the Onsite Emergency Planner for review.

6.2 Reporting Discrepancies

6.2.1 If any discrepancies are found, the person performing the inventory will make a note on the Emergency Equipment Monthly Inspection Log, Attachment 9. If there are no discrepancies, enter none for each location.

6.2.2 Discrepancies are to be corrected as soon as possible and so noted on the Emergency Equipment Monthly Inspection Log, Attachment 9.

6.2.3 Any equipment calibration that will expire prior to the end of the next inventory month should be recalibrated or replaced with equipment whose calibration will not expire prior to the next inventory.

6.2.4 Send a signed copy of completed Attachment 9, Emergency Equipment Monthly Inspection Log, to the Onsite Emergency Planner for review and forwarding to Central Records.

6.2.5 Send signed copy of completed Attachment 10, Equipment Calibration Expiration Notification, to the Lead Technician-RP Instruments/TLDs.

7.0 ATTACHMENTS

1. Emergency Equipment in Survey Center
2. Emergency Equipment Per Survey Box - Survey Center
3. Emergency Equipment in Control Room
4. Emergency Equipment in Operational Support Center, Radiation Protection Office, PASS (in Hot Shop) and Intermediate Building
5. Emergency Equipment in Technical Support Center
6. Emergency Equipment in Warehouse and Security Access Control Area (Guard House)
7. Emergency Equipment in the Engineering Support Center
8. Cellular Mobile Telephone Equipment Check
9. Emergency Equipment Monthly Inspection Log
10. Equipment Calibration Expiration Notification

EMERGENCY EQUIPMENT IN SURVEY CENTER

1.0 **Assignment tag board** - all tags in place _____

NOTE: **PERFORM INVENTORY ON SURVEY TEAM, BOXES IN JANUARY AND JULY OR IF SEAL HAS BEEN BROKEN.**

NOTE: **CHANGE BATTERIES IN JANUARY AND JULY OR IF THE EXPIRATION DATE IS WITHIN 6 MONTHS OF THE DATE THAT THE INVENTORY IS PERFORMED.**

2.0 **Survey team boxes** - Onsite East, Onsite West, Offsite East, Offsite West, Spare 1, Spare 2.

2.1 Perform inventory on each survey team box in accordance with Attachment 2. N/A this step and Attachment 2, if not required at this time. _____

3.0 **Survey Meters**. Battery check, check calibration date, source check and document using RP-JC-DAILY-SRC-CHKS.

3.1 Low range. RM-14 with Pancake Probe or equivalent (min. 8-units)
Expiration Date: _____ _____ _____
_____ _____ _____
_____ _____ _____

3.2 High range, Eberline RO-20 or equivalent (min. 8-units)
Expiration Date: _____ _____ _____
_____ _____ _____
_____ _____ _____

4.0 **Scaler, BC-4 or equivalent**. Check calibration date and document using RP-JC-DAILY-SRC-CHKS, (min. 1-unit)
Expiration Date:_____ _____

5.0 **Dosimeter Chargers**

5.1 110V AC power operated - check operation (min. 1-unit) _____

5.2 Battery operated - check operation (min. 2-units) _____

6.0 **Self-Reading Pocket Dosimeters** - check calibration

NOTE: **RECORD EARLIEST DATE FOR ASSOCIATED EQUIPMENT.**

6.1 0-1500 mr (min. 44-units) Expiration Date: _____ _____

6.2 0-10R (min. 22 units) Expiration Date: _____ _____

NOTE: **EACH INDIVIDUAL ENVIRONMENTAL TLD SHALL BE HEAT-SEALED IN PLASTIC AND PACKAGED 9 TO A PACKAGE IN A PLASTIC BAG.**

7.0 **TLDs**

7.1 Thermoluminescent dosimeters (TLDs) - Anneal TLDs and check ECF's in January, April, July and October. (Min. - 100) _____

7.2 Environmental TLDs - Anneal TLDs and check ECF's in January, April, July and October (4 packages of 9 each) _____

NOTE: **RECORD EARLIEST DATE FOR THE ASSOCIATED EQUIPMENT. RUN SAMPLERS FOR SEVERAL MINUTES TO CHECK OPERATION. ENSURE FILTERS <u>ARE NOT</u> LEFT IN HOLDERS.**

8.0 **Air Sample Equipment**

8.1 Low volume, Gilian or equivalent with air sampling heads. Ensure units are plugged into charger after test. (min. 10-units) Expiration Date: _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____

8.2 RADECO H 809 B2. Run for 90 minutes (min. 2-units) Expiration Date: _____ _____ _____

8.3 RADECO H 809 C. Run for 1 minute (min. 4-units) Expiration Date: _____ _____ _____ _____ _____

9.0 **Battery charger**

9.1 Check operation. Disconnect after testing is complete. (min. 1-unit) _____

10.0	**Respiratory Equipment**	
10.1	Respirators, full face. Inspect mask, mark bag with inspection date and initials as per RP-RES-M-RESP (min. 22-units)	_____
10.2	Respirator filters, charcoal. (min. 22-units) Expiration Date:_____	_____
10.3	Voice emitters for respirators. Check operation. (min. 13-units)	_____
10.4	Local mask use sheets for Scott A Respirators RP-JC-AIRSAMPLE, ATT.1 - Air Sample Job Coverage Record (min. 5-copies)	_____
10.5	Shaving kit with razor, blades, shaving cream, beard trimmer and two (2) AA batteries.	_____
NOTE:	**PRECEDE ALL COMMUNICATIONS WITH "THIS IS A TEST" AND PERFORM RADIO CHECKS WITH SECURITY.**	
11.0	**Communications Equipment**	
11.1	Portable radios (min. 4 units)	_____
11.1.1	Verify portable radios are on charge and that charge status lights are illuminated.	_____
11.1.2	Radio check with Security	_____
11.2	Motorola GM 300 Mobile Radio (min. 6-units)	_____
11.2.1	Magnetic or mount antennas (min. 3 units)	_____
11.2.2	Radio check with Security	_____
11.3	Deskon II, stationary. (min. 2-units)	_____
11.4	Intercom "A". Call Control Room at ext. 3509 and have them plug in the Control Room Intercom "A" and perform communication check with Survey Center. (min. 1-unit)	_____
11.5	**Cellular Phone checks**	
11.5.1	Check operation of each unit by performing Attachment 8. (min. 6 units)	_____

NOTE: VERIFY PHONE BOOKS ARE UP-TO-DATE.

11.6	Telephone Books	
11.6.1	Rochester (min. 1 unit)	_____
11.6.2	Wayne County (min. 1 unit)	_____
11.6.3	RG&E Phone Directory	_____
11.7	**FAX MACHINE**	
11.7.1	Test fax machine by faxing a test message to the TSC (ext. 3927).	_____
12.0	**AMS-4** Calibration due date: _____	
13.0	**Radiation monitor**, XETEC Model 501 A-2. Perform operational check in accordance with RP-JC-DAILY-SRC-CHKS and check Calibration Due Date: _____	_____
14.0	**Decon Shower**	
14.1	Ensure that decon shower area is free from debris and that decon supplies (RMC Kit) are available.	_____
14.2	Verify Test Tank Alert Alarm System for the decon shower holding tank functions properly by performing the following steps.	
14.2.1	Ensure horn/silent slide switch is in "Horn" position.	_____
14.2.2	Verify "T" valve is "Locked Shut".	_____
14.2.3	Verify "S" valve is "Open".	_____
14.2.4	Momentarily depress "To Test" Push button and verify the warning light red and horn activate.	_____

NOTE: CHANGE BATTERIES IN JANUARY AND JULY. CHANGE BATTERIES IF EXPIRATION DATE IS WITHIN 6 MONTHS OF THE DAY INVENTORY IS PERFORMED.

15.0	**Batteries** (alkaline)	
15.1	AAA (min. 12-units)	_____
15.2	D-Cell (min. 10-units)	_____

15.3	9V (min. 12-units)	_____
16.0	**RADIATION PROTECTION SUPPLIES**	
16.1	Air sampler filters	_____
16.1.1	Particulate (min. 100-units)	_____
16.1.2	Silver Zeolite (min. 50-units) Expiration Date: _____	_____
16.2	Air Sample Envelopes (min. 100-units)	_____
16.3	Smears (min. 10-boxes)	_____
16.4	Planchets (min. 1-bag)	_____
16.5	Anti-contamination clothing - sets are to consist of 1-pair inner gloves, 1-Tyvek hood, 1-Tyvek suit, 1-pair work gloves, 1-pair shoe covers. (min 25 units)	_____
16.6	Plastic bags	_____
16.6.1	Poultry (min. 1 box)	_____
16.6.2	Large, clear (min. 20 units)	_____
16.6.3	Large, Radioactive Material, yellow (min. 1 roll)	_____
16.7	Radiation rope (min. 1 roll)	_____
16.8	Radiation hazard signs with inserts (min. 10 each)	_____
16.8.1	RADIATION AREA	_____
16.8.2	HIGH RADIATION AREA	_____
16.8.3	CONTAMINATED AREA	_____
16.8.4	RADIOACTIVE MATERIAL AREA	_____
16.8.5	RESTRICTED AREA	_____
16.8.6	RWP Required	_____
16.8.7	Contact RP prior to entry	_____
16.9	Step off pads	_____

16.9.1	Remove protective clothing before stepping here (10-units)	_____
16.10	Contaminated waste/clothing containers, 55 gallon drums (min. 2-units)	_____
16.11	Stanchions for radiological barriers (min. 6)	_____
NOTE:	**PERFORM INVENTORY IN JANUARY OR JULY, IF SEAL IS BROKEN, PER ENCLOSED PROCEDURE.**	
16.12	Decontamination kits, RMC (1-case)	_____
16.13	Thyroid Block Tablets (min. 25-units) Expiration Date: _____	_____
16.14	Survey Team Maps - (min. 15-each)	_____
17.0	**Administrative Supplies**	
17.1	Pens and pencils (min. 10-each)	_____
17.2	Extension cords (min. 3-units)	_____
17.3	Scissors (min. 1-pair)	_____
17.4	Shaving Kit (min. 1-unit)	_____
NOTE:	**REPLACE MASKING TAPE IN JANUARY.**	
17.5	Masking Tape (min. 4-rolls).	_____
18.0	**Backpacks** (min. 6-units)	_____
19.0	**Survey Team Foul Weather Locker**	
19.1	Rain Hoods (min. 6-units)	_____
19.2	Rain coats (min. 6-units)	_____
19.3	Rain boots (min. 6-units)	_____
19.4	Cold weather coveralls (Carhart - type) (min. 3-units)	_____

Performed by:_____ Date:_____

Reviewed by:_____ Date:_____

EMERGENCY EQUIPMENT PER SURVEY BOX - SURVEY CENTER

TEAM BOX _____

NOTE: USE ONE ATTACHMENT FOR EACH TEAM BOX INVENTORY.

1.0	**Radiation Protection Supplies**	
1.1	Protective Clothing	
1.1.1	Inner Gloves (2 pair)	_____
1.1.2	TYVEC Suit (min. 2-units)	_____
1.1.3	TYVEC Hood (min. 2-units)	_____
1.1.4	Work Gloves (2 pair)	_____
1.1.5	Booties (2 pair)	_____
1.1.6	Disposable Gloves (12 Pair)	_____
1.1.7	Orange Safety Vests (2) (Offsite and spare boxes only)	_____
1.2	Survey Route Maps (min. 2-units)	_____
1.3	Air Sample Filters/Envelopes	
1.3.1	Particulate (min. 5-units)	_____
1.3.2	Silver Zeolite (min. 5-units) Expiration Date:_____	_____
1.3.3	Air Sample Filter Envelopes (min. 10-units)	_____
1.3.4	Environmental Air Sample Envelopes (ONSITE AND SPARE BOXES ONLY) (min. 5-units)	_____
1.4	Smears (min. 20-units)	_____
1.5	Thyroid Block Tablets (min. 3-units) Expiration Date: _____	_____
1.6	Tweezers (min. 1-unit)	_____
2.0	**Equipment bag with belt** (ONSITE AND SPARE BOXES ONLY)	_____

NOTE:	**CHANGE BATTERIES IN JANUARY AND JULY. IF BATTERIES ARE DATED AND IT IS AT LEAST 6 MONTHS PRIOR TO EXPIRATION, REPLACEMENT IS NOT NECESSARY.**	
3.0	**Flashlight with Batteries** (min. 1-unit)	_____
4.0	**Plastic Bags** (min. 2-units)	_____
5.0	**Administrative Supplies**	
5.1	Pencils/pens (min. 2-units)	_____
5.2	Pencil sharpener (min. 1-unit)	_____
5.3	Tablet, writing (min. 1-unit)	_____
5.4	Clipboard (min. 1-unit)	_____
5.5	Ruler, scale in inches (min. 1-unit)	_____
5.6	Tags with wire ties (min. 10-units)	_____
5.7	Quarters for phone calls. (OFFSITE AND SPARE BOXES ONLY) (min. 10-units)	_____
NOTE:	**REPLACE MASKING TAPE IN JANUARY.**	
5.8	Masking tape (min. 1-roll)	_____
5.9	Scissors (min. 1-unit)	_____
6.0	**Respirator Hip Pouch** (ONSITE AND SPARE BOXES ONLY) (min. 2-units)	_____
7.0	**Tools**	
7.1	Hammer (OFFSITE AND SPARE BOXES ONLY) (min. 1-unit)	_____
7.2	Nails (OFFSITE AND SPARE BOXES ONLY) (min. 10-units)	_____
7.3	Trowel, garden (min. 1-unit)	_____
7.4	Screwdrivers, packet (min. 1-unit)	_____
7.5	250ml Poly bottles for liquid samples (OFFSITE AND SPARE BOXES ONLY) (min 2-units)	_____

NOTE: PLACE NEW PROCEDURES IN BOXES IN JANUARY AND JULY AND WHEN SEAL HAS BEEN BROKEN.

8.0 Procedures

8.1 EPIP 2-11, Onsite Surveys (ONSITE AND SPARE BOXES ONLY) _____

8.2 EPIP 2-12, Offsite Surveys (OFFSITE AND SPARE BOXES ONLY) _____

8.3 EPIP 2-14, Post Plume Environmental Sampling (ALL BOXES) _____

Performed By:_____ Date:_____

Reviewed By:_____ Date:_____

EMERGENCY EQUIPMENT IN CONTROL ROOM

1.0 Respiratory Equipment

1.1 Scott Air Pack (SCBA). Perform monthly inspection per SC-3.15.7 on each unit. (min. 2-units) _____

1.2 Voice Emitters for SCBA units. Check operation (one per unit). _____

1.3 Local Mask use sheets for SCBA, Attachment "A" from REP-JC-AIRSAMPLE, ATT.1 - Air Sample Job Coverage Record (min. 5-units) _____

1.4 Shaving kit with razor, blades, shaving cream, beard trimmer and two (2) AA batteries. _____

2.0 Survey Meters Battery check, check calibration date, source check and document using RP-JC-DAILY-SRC-CHECKS. _____

2.1 Low Range RM-14 with Pancake Probe or equivalent (min. 1-unit) Expiration Date:_____ _____

2.2 High Range, Eberline RO-20 or equivalent (min. 1-unit). Expiration Date:_____ _____

3.0 Dosimeter charger

3.1 Battery operated - check operation (min. 1-unit) _____

4.0 Self-Reading Pocket Dosimeters - check calibration.

4.1 0-500 mr (min. 12 units) Expiration Date:_____ _____

4.2 0-5 R or 0-10 R (min. 12 units) Expiration Date:_____ _____

5.0 Air sample Equipment

NOTE: RUN SAMPLERS FOR SEVERAL MINUTES TO CHECK OPERATION. ENSURE FILTERS ARE NOT LEFT IN HOLDERS.

5.1 Low volume, Gilian or equivalent. Ensure units are plugged into charger after test (min. 1-unit). Expiration Date:_____ _____

5.2	RADECO "Gooseneck" high volume air sampler. Run for 5 minutes. (min. 1-unit) Expiration Date:_____	_____
6.0	**Radiation Protection Supplies**	
6.1	Air Sampler Filters	
6.1.1	Particulate (min. 3-units)	_____
6.1.2	Silver Zeolite (min. 3-units) Expiration Date: _____	_____
6.2	Air Sample Envelopes (min. 10-units)	_____
6.3	Smears (min. 1-box)	_____
6.4	Plant survey maps (min. 3-sets)	_____
6.5	RWP Daily Exposure Record sheets, Figure 2 from A-1.8 (min. 5-units)	_____
6.6	Anti-contamination clothing -sets are to consist of inner gloves, 1-Tyvek hood, 1-Tyvek suit, 1-pair work gloves, 1-pair shoe covers. (min. 6-sets)	_____
NOTE:	**REPLACE MASKING TAPE IN JANUARY.**	
6.7	Masking Tape.(min. 1-roll)	_____
6.8	Hewlett Packard calculator. Turn on to check batteries. (min. 1-unit)	_____
6.9	Thyroid block tablets (min. 10 units) Expiration Date:_____	_____
7.0	**Batteries**, alkaline	
7.1	AA (min. 4-units)	_____
7.2	D (min. 2-units)	_____

8.0 Communication Equipment

8.1 Electrosound II Headset (1) _____

8.1.1 Electrosound II Headset Cord (1) _____

8.1.2 Telex Headset (1) _____

8.2 Telephone Checks

8.2.1 New York State Hotline (RECs) Monthly Test

8.2.1.1 Pick up handset and depress "A" then "*" for All Call. _____

8.2.1.2 After ten seconds, depress the "Push to talk" bar on the handset and state "**THIS IS A TEST.** This is the Ginna Station Control Room calling the State and County warning points. Please stand by for roll call." _____

NOTE: RELEASE THE "PUSH TO TALK" BAR WHEN NOT SPEAKING.

8.2.1.3 Then announce the following roll call: _____

WAYNE COUNTY WARNING POINT

MONROE COUNTY WARNING POINT

NEW YORK STATE WARNING POINT

8.2.1.4 Recall warning points, if necessary, until they answer roll call. _____

8.2.1.5 At completion of test, state "THIS IS THE END OF THE TEST." Depress "A" then "#". Report any problems to the Onsite Emergency Planner. _____

8.3 FAX MACHINE

8.3.1 Test fax machine by faxing a test message using button on fax machine for RECS notifications to the TSC. _____

Performed By:_____ Date:_____

Reviewed By:_____ Date:_____

EMERGENCY EQUIPMENT IN OPERATIONAL SUPPORT CENTER, RADIATION PROTECTION OFFICE, PASS (in Hot Shop) AND INTERMEDIATE BUILDING (SPING LOCKER)

NOTE: PERFORM INVENTORY ON LOCKER IN JANUARY AND JULY OR IF SEAL ON LOCKER HAS BEEN BROKEN, OTHERWISE N/A STEPS 1.0 INCLUSIVE.

1.0 Operational Support Center Emergency Equipment Locker

1.1 Radiation Protection Supplies

1.1.1 Anti-Contamination Clothing - sets are to consist of 1-pair inner gloves, 1-Tyvek Hood, 1-Tyvek suit, 1-pair work gloves, 1-pair shoe covers. (min. 6-sets) _____

NOTE: REPLACE MASKING TAPE IN JANUARY.

1.1.2 Masking Tape (min. 1-roll) _____

1.1.3 Air Sample Envelopes (min. 50-units) _____

1.1.4 Air Sample Filters

1.1.4.1 Particulate (min. 50-units) _____

1.1.4.2 Silver Zeolite (min. 10-units)
Expiration Date:_____ _____

1.5 Thyroid Block Tablets (min. 15-units)
Expiration Date: _____ _____

1.2 Respiratory Equipment

1.2.1 Full Face Respirator (min. 6-units) _____

1.2.1.1 Inspect Mask and Mark bag with inspection date and initials per RP-RES-M-RESP. _____

1.2.2 Respirator Charcoal Filters (min. 6-units)
Expiration Date:_____ _____

1.2.3 Local Mask use sheets for Scott A Respirators, RP-JC-AIRSAMPLE, ATT.1 - Air Sample Job Coverage Record (min. 6-copies). _____

1.2.4 Current Mask Qualification List _____

1.3	Air Sample Equipment	
NOTE:	**RUN SAMPLERS FOR SEVERAL MINUTES TO CHECK OPERATION. ENSURE FILTERS ARE NOT LEFT IN HOLDERS.**	
1.3.1	Low volume Gilian or equivalent (min. 3-units) Expiration Date:_____	_____
1.3.1.1	Ensure units are plugged into charger following test.	_____
1.4	Stationary Supplies	
1.4.1	Clipboards with pens (min. 4-units)	_____
1.4.2	Pens (min. 5-units)	_____
1.5	Portable Flood Lights	
1.5.1	Minimum 2-flood lights	_____
1.5.2	Verify satisfactory operation of each light.	_____
2.0	**OSC Satellite Locker in Boiler Room by Maintenance Conference Room**	
2.1	Spool of rope (1-unit)	_____
2.2	Barrier ropes with clips (2-units)	_____
2.3	7 Radiation signs with 4 pockets each. 7 inserts including Restricted Area, Contamination Area, Locked High Rad Area, Radiation Area, Full Anti-C's Required, Contact RP Prior to Entry	_____
2.4	Charcoal Cartridges (10-units)	_____
2.5	Particulate filters (1 box)	_____
2.6	Air Sample envelopes (50-units)	_____
2.7	Radiation Material labels (20-units)	_____
2.8	Planchetes (1 bag)	_____
2.9	Smears (1 box)	_____
2.10	Duct Tape (1 roll)	_____

NOTE:	**REPLACE MASKING TAPE IN JANUARY.**	
2.11	Masking Tape (1 roll)	_____
2.12	Disposable Gloves (1 box)	_____
2.13	Markers (1 box)	_____
2.14	Clipboard (1-unit)	_____
2.15	Pens (3-units)	_____
2.16	"Removable Protective Clothing" Step Off Pads (3-units)	_____
3.0	**Radiation Protection Office Equipment**	
3.1	Scott Air Packs (SCBA) and spare bottles	
3.1.1	Perform Monthly Inspection Per SC-3.15.7 on each unit. (min. 3-units)	_____
3.2	SCBA Voice Emitters (one per SCBA)	
3.2.1	Verify operation of each SCBA Voice Emitter	_____
4.0	**Post Accident Sample System Panel Area (Hot Shop)**	
4.1	Cascade Manifold and Cylinder	
4.1.1	Verify Hydrostatic Test on Cascade Cylinder has been performed within last 5 years.	_____
4.1.2	Open cylinder valve and verify pressure >4000 psig.	_____
4.1.3	Close cylinder valve and bleed off manifold pressure.	_____
4.1.4	Verify there are two (50' x 3/8") hoses to connect SCBA to cascade manifold.	_____

5.0 Intermediate Building North

5.1 SPING Iodine Cartridge Holder

5.1.1 Verify a SPING Iodine Cartridge Holder with silver zeolite cartridge heat sealed in plastic is located at sping unit.
Expiration Date:_____ _____

Performed By:_____ Date:_____

Reviewed By:_____ Date:_____

EMERGENCY EQUIPMENT IN TECHNICAL SUPPORT CENTER

NOTE: PERFORM INVENTORY ON LOCKER IN JANUARY AND JUNE OR, IF SEAL ON LOCKER HAS BEEN BROKEN, OTHERWISE N/A STEP 1.0 INCLUSIVE.

1.0 TSC Emergency Equipment Locker

1.1 Radiation Protection Supplies

1.1.1 Anti-Contamination Clothing - sets are to consist of 1-pair inner gloves, 1-Tyvek Hood, 1-Tyvek suit, 1-pair work gloves, 1-pair shoe covers (min. 25-sets) _____

1.1.2 Surgeons Gloves (1-box) _____

1.1.3 Step Off Pads (min. 10-units) _____

1.1.4 Large Radioactive Material Plastic Bags (min. 5-units) _____

NOTE: REPLACE MASKING TAPE IN JANUARY.

1.1.5 Masking Tape (min. 4-rolls) _____

1.1.6 Radiation Hazard Signs with Inserts

1.1.6.1 Signs (min. 10-units) _____

1.1.6.2 "RADIATION AREA" INSERT (10) _____

1.1.6.3 "HIGH RADIATION AREA" INSERT (10) _____

1.1.6.4 "CONTAMINATION AREA" INSERT (10) _____

1.1.6.5 "RADIOACTIVE MATERIAL AREA (10) _____

1.1.6.6 "RESTRICTED AREA" (10) _____

1.1.7 Radiation Rope (1-roll) _____

1.1.8 Radiation Marker Tape (min. 2-rolls) _____

1.1.9 Alkaline Batteries

1.1.9.1 AA (min. 4-units) _____

1.1.9.2 D Cell (min. 2-units) _____

1.1.10	Smears (min. 1-box)	_____
1.1.11	Air Sample Envelopes (min. 50-units)	_____
1.1.12	Air Sample Filters	_____
1.1.12.1	Particulate (min. 4-units)	_____
1.1.12.2	Silver Zeolite (min. 4-units) Expiration Date:_____	_____
1.1.13	Thyroid Block Tablets (min 25-units) Expiration Date:_____	_____
1.2.	Headset Equipment	
1.2.1	Electrosound II Headset (2)	_____
1.2.2	Electrosound II Headset Cord (2)	_____
1.2.3	Telex Headsets(4)	_____
1.3	Respiratory Equipment	
1.3.1	Full Face Respirators (min. 10-units)	_____
1.3.1.1	Inspect Mask and Mark Bag with Inspection Date and Initials per RP-RES-M-RESP.	_____
1.3.2	Respiratory Charcoal Filters (min. 10-units) Expiration Date:_____	_____
1.3.3	Local Mask use sheets for Scott A Respirators RP-JC-AIRSAMPLE, ATT.1 - Air Sample Job Coverage Record (min. 10-copies)	_____
1.3.4	Shaving kit with razor, blades, shaving cream, beard trimmer, and two (2) AA batteries.	_____

NOTE: PRECEDE ALL COMMUNICATIONS WITH "THIS IS A TEST" AND PERFORM RADIO CHECKS WITH SECURITY.

2.0 Communications Equipment

2.1 Portable radios (min. 2 units) _____

2.1.1 Verify portable radios are on charge and that status lights are illuminated. _____

2.1.2 Perform Radio Check with Security _____

2.2 Telephone Checks

2.2.1 NRC Emergency Notification System (ENS).
Call (301) 816-5100, tell party "This is Ginna Station TSC Communications check". Request a return call to verify check. _____

2.2.2 New York State Hotline - (RECS) Monthly Test.

2.2.2.1 Pick up handset and depress "A" then "*" for All Call. _____

2.2.2.2 After ten seconds, depress the "Push to talk" bar on the handset and state that "THIS IS A TEST. THIS IS THE GINNA STATION TECHNICAL SUPPORT CENTER CALLING THE STATE AND COUNTY WARNING POINTS. STANDBY FOR ROLL CALL." _____

NOTE: RELEASE THE "PUSH TO TALK" BAR WHEN NOT SPEAKING.

2.2.2.3 Then announce the following roll call: _____

Wayne County Warning Point

Monroe County Warning Point

New York State Warning Point

2.2.2.4 Recall warning points, if necessary, until they answer roll call. _____

2.2.2.5 At the completion of the test, state "THIS IS THE END OF THE TEST." Depress "A" then "#". Report problems to Onsite Emergency Planner. _____

NOTE: SHOULD ANY OF THE NRC EMERGENCY TELEPHONES BE INOPERABLE, INITIATE A MAINTENANCE WORK REQUEST TO HAVE THE PHONE REPAIRED AND NOTIFY THE NRC OPERATIONS CENTER AT (301) 951-0550.

2.2.3 From any FTS-2000 telephone system, call the other extensions and verify satisfactory communication. _____

TSC Phone Locations:

Emergency Notification System (ENS)
716-771-6783 _____

Administration Area

- Health Physics Network (HPN)
  716-771-6784 _____

Technical Assessment Area

- Reactor Safety Counterpart Link (RSCL)
  716-724-8695 _____

Dose Assessment Area

- Protective Measures Counterpart
  Link (PMCL) 716-724-8696 _____

NRC Office Phone Locations:

- Reactor Safety Counterpart Link (RSCL)
  716-724-8695 _____

- Health Physics Network (HPN)
  716-771-6784 _____

- Emergency Notification System (ENS)
  716-771-6783 _____

2.3 FAX MACHINES

2.3.1 Test each fax machine by faxing a test message using button on fax machine for RECS notification. _____

3.0 **Survey Meters** Battery check, check calibration date, source check and document using RP-JC-DAILY-SRC-CHKS.

3.1 Low Range RM-14 with Pancake Probe or equivalent (min. 2-units) Expiration Date:_____ _____

3.2 Area Radiation Monitor (min. 1-unit)
Expiration Date:_____ _____

4.0 Air Sample Equipment

NOTE: RUN SAMPLERS FOR SEVERAL MINUTES TO CHECK OPERATION. ENSURE FILTERS ARE NOT LEFT IN HOLDERS.

4.1 RADECO "Gooseneck" High Volume Air Sampler (min. 1-unit)
Expiration Date:_____ _____

4.2 AMS - 4 Calibration Due Date: _____

5.0 Computer Checks

5.1. Obtain and perform EPIP 2-6, Section 6.2, Use of MIDAS Computer Program, to determine if computer program is operating properly. _____

5.1.1 Report any problems to the Onsite Emergency Planner or Corporate Nuclear Emergency Planner immediately and make note of problem on the discrepancy sheet. _____

5.2 Obtain and perform EPIP 2-2, Sections 6.2.2 and 6.2.3. _____

5.2.1 Report any problems to the Onsite Emergency Planner or Corporate Nuclear Emergency Planner immediately. _____

6.0 Emergency Coordinator Portable Loudspeaker _____

NOTE: CHECK BATTERIES IN JANUARY AND JULY.

6.1 Check operability of unit. _____

Performed By:_____ Date:_____

Reviewed By:_____ Date:_____

EMERGENCY EQUIPMENT IN WAREHOUSE AND SECURITY ACCESS CONTROL AREA (GUARDHOUSE)

1.0	**Warehouse Emergency Equipment Locker**	
1.1	Radiation Protection Supplies	
1.1.1	Anti-Contamination Clothing - Sets are to consist of 1-pair inner gloves, 1-Tyvek Hood, 1-Tyvek suit, 1-pair work gloves, 1-pair shoe covers (min. 10-sets)	_____
1.1.2	Step Off Pads (min. 5-units)	_____
1.1.3	Large Radioactive material plastic bags (1-roll)	_____
1.1.4	Stanchions (min. 3-units)	_____
NOTE:	**REPLACE MASKING TAPE IN JANUARY.**	
1.1.5	Masking Tape (min. 2-rolls)	_____
1.1.6	Radiation Hazard Signs with Inserts	
1.1.6.1	Signs (min. 10-units)	_____
1.1.6.2	"RADIATION AREA" (10)	_____
1.1.6.3	"CONTAMINATED AREA" (10)	_____
1.1.6.4	"RADIOACTIVE MATERIAL AREA" (10)	_____
1.1.7	Radiation Rope (1-roll)	_____
1.1.8	Survey Center Dosimetry Log, EPIP 1-11, Attachment 2 (min. 5-units)	_____
1.2	Self Reading Pocket Dosimeters	
1.2.1	0-1500mr (min. 40-units) Expiration Date:_____	_____
1.2.2	Battery Operated Dosimeter Charger - check operation (min. 1-unit)	_____
1.2.3	AC Operated Dosimeter Charger - check operation (min. 1-unit)	_____

1.3	TLD's	
1.3.1	Thermoluminescent Dosimeters (TLD) - anneal TLD's and check ECF's in January, April, July and October. (min. 40-units)	_____
1.4	Survey Meters - Battery Check, check calibration, date, source check and document using RP-JC-DAILY-SRC-CHKS.	
1.4.1	Low Range RM-14 with Pancake Probe or equivalent (min. 1-unit) Expiration Date:_____	_____
1.4.2	High Range Eberline RO-20 or equivalent (min. 2-units) Expiration Date:_____ Expiration Date:_____	_____
2.0	**Security Access Control Area**	
2.1	Self Reading Pocket Dosimeters	
2.1.1	0-1500 mr (min. 12-units) Expiration Date:_____	_____
2.1.2	Battery operated Dosimeter Charger - check operation (min. 1-unit)	_____

Performed By:_____ Date:_____

Reviewed By:_____ Date:_____

EMERGENCY EQUIPMENT IN ENGINEERING SUPPORT CENTER

1.	Rochester, Wayne and RG&E Phone Directories		_____
2.	Test fax machine by sending fax to TSC fax machine at ext. 3927.		_____
3.	Survey Meters - Battery check, response check and document on RP-JC-DAILY-SRC-CHCKS.		_____
	RM-14SA or Equivalent (0ne)	Calibration due _____	_____
	XETEX 501A or Equivalent (one)	Calibration due _____	_____
4.	Air Monitoring System (AMS-4)	Calibration due _____	_____
5.	Radiation Boundary Rope (min. 1-unit)		_____
6.	Radiation Hazard Sign with inserts (min. 1-unit)		_____
7.	Step Off pad (min. 1-unit)		_____
8.	Ginna Technical Specifications (one copy)		_____
9.	Ginna UFSAR (one copy)		_____
10.	Ginna P&ID's (one set)		_____

Performed By:_____ Date:_____

Reviewed By:_____ Date:_____

CELLULAR MOBILE TELEPHONE EQUIPMENT CHECK

NOTE: IT MAY BE NECESSARY TO EXIT THE BUILDING IN ORDER TO USE THE CELLULAR PHONE EFFECTIVELY.

1. Disconnect telephone from charging unit, if on charger.
2. Turn the unit on by pressing the PWR button on the handset.
3. To place a call, press the appropriate number buttons and verify the number displayed is correct.
4. Press the SND button to activate the call.
5. Press END button to end the test call..
6. To turn unit off, press PWR button. Ensure display is blank.
7. Return the unit to storage and ensure unit is plugged into the battery charger, if necessary.

EMERGENCY EQUIPMENT MONTHLY INSPECTION LOG

	DISCREPANCIES NOTED		DISCREPANCIES CORRECTED	
Survey Center	Date_____	Initials_____	Date_____	Initials_____
Survey Boxes Survey Center	Date_____	Initials_____	Date_____	Initials_____
Control Room	Date_____	Initials_____	Date_____	Initials_____
Technical Support Center	Date_____	Initials_____	Date_____	Initials_____

Reviewed By Onsite Emergency Planner: _____ Date: _____

EMERGENCY EQUIPMENT MONTHLY INSPECTION LOG

	DISCREPANCIES NOTED		DISCREPANCIES CORRECTED	
RP Office	Date_____	Initials_____	Date_____	Initials_____
Operational Support Center	Date_____	Initials_____	Date_____	Initials_____
Warehouse	Date_____	Initials_____	Date_____	Initials_____
Engineering Support Center	Date_____	Initials_____	Date_____	Initials_____

Reviewed By Onsite Emergency Planner: _____ Date: _____

EQUIPMENT CALIBRATION EXPIRATION NOTIFICATION

LOCATION OF EQUIPMENT	EQUIPMENT/ INSTRUMENT TYPE	S/N	DUE DATE	COMMENTS

FORWARD A COPY OF THIS ATTACHMENT TO THE LEAD TECHNICIAN RP INSTRUMENTS / TLD's.

Technician: _____

Onsite Emergency Planner: _____