

ENTERGY NUCLEAR NORTHEAST
JAMES A. FITZPATRICK NUCLEAR POWER PLANT
P.O. BOX 110, LYCOMING, NY 13093
DOCUMENT TRANSMITTAL FORM

DATE: MAY 20, 2013
CONTROLLED COPY NUMBER: N/A

TO: NRC NMSS – Ernest W. Branch – Mailstop T8A23 - Two White Flint North, 11545
Rockville Pike, Rockville, Maryland 20852-2738

FROM: PATTI PONZI - EMERGENCY PLANNING DEPARTMENT

SUBJECT: EMERGENCY PLAN AND IMPLEMENTING PROCEDURES

Enclosed are revisions to your assigned copy of the JAFNPP Emergency Plan and Implementing Procedures.
Please remove and **DISCARD** the old pages.

**THESE PROCEDURES ARE EFFECTIVE
THURSDAY MAY 30, 2013**

VOLUME 1 Update List Dated 5/30/2013

DOCUMENT	PAGES	REV. #
SECTION 3	REPLACE ALL	14
SECTION 8	REPLACE ALL	31
APPENDIX L	REPLACE ALL	16

VOLUME 3 Update List Dated 5/30/2013

DOCUMENT	PAGES	REV. #
EAP-36	REPLACE ALL	6

UNCONTROLLED

EMERGENCY PLAN / VOLUME 1
UPDATE LIST

UNCONTROLLED COPY #

Date of Issue: MAY 30, 2013

		Revision Number	Date of Last Review
N/A	TABLE OF CONTENTS - VOLUME 1	REV. 28	09/11
SECTION 1	DEFINITIONS/ACRONYMS	REV. 26	07/12
SECTION 2	SCOPE AND APPLICABILITY	REV. 24	03/12
SECTION 3	SUMMARY OF THE JAFNPP EMERGENCY PLAN	REV. 14	05/13
SECTION 4	EMERGENCY CONDITIONS	REV. 24	02/13
SECTION 5	ORGANIZATION	REV. 46	01/13
SECTION 6	EMERGENCY MEASURES	REV. 31	09/11
SECTION 7	EMERGENCY FACILITIES AND EQUIPMENT	REV. 31	02/13
SECTION 8	MAINTAINING EMERGENCY PREPAREDNESS	REV. 31	05/12
SECTION 9	RECOVERY	REV. 21	05/13
APPENDIX A	EMERGENCY PLAN IMPLEMENTING PROCEDURES	REV. 25	09/11
APPENDIX B	JAFNPP POLICY STATEMENT	REV. 8	01/13
APPENDIX C	LETTERS OF AGREEMENT	REV. 32	06/11
APPENDIX D	NEW YORK STATE PLAN AND PROCEDURES	REV. 8	05/13
APPENDIX E	OSWEGO COUNTY PLANS AND PROCEDURES	REV. 9	05/13
APPENDIX F	TYPICAL SUPPORT COMPANIES AND ORGANIZATIONS	REV. 17	06/12
APPENDIX G	DELETED (2/98)		
APPENDIX H	PUBLIC INFORMATION PROGRAM	REV. 35	01/13
APPENDIX I	EMERGENCY EQUIPMENT KITS	REV. 11	09/11
APPENDIX J	SUPPORTING DOCUMENTS	REV. 11	10/11
APPENDIX K	EVACUATION TRAVEL TIME ESTIMATES AND POPULATION DISTRIBUTION FOR THE JAF/NINE MILE POINT EMERGENCY PLANNING ZONE	REV. 8	10/11
APPENDIX L	NUREG-0654/FEMA-REP-1 CROSS REFERENCE	REV. 16	05/12
APPENDIX M	DELETED (5/84)		
APPENDIX N	TYPICAL FEDERAL SUPPORT RESOURCES	REV. 18	06/12

SECTION 3 - SUMMARY OF THE JAFNPP EMERGENCY PLAN

REVISION SUMMARY PAGE

REV NO.

CHANGE AND REASON FOR CHANGE

14	<p>FULL REVISION</p> <p>1. Fixed typo on cover sheet (changed PLANN to PLAN) per 2013 periodic review.</p>
----	--

ENTERGY NUCLEAR OPERATIONS, INC.
JAMES A. FITZPATRICK NUCLEAR POWER PLANT

EMERGENCY PLAN VOLUME 1

SUMMARY OF THE JAFNPP EMERGENCY PLAN

SECTION 3

APPROVED BY: *Brian M. F...* 5/14/13
Director of Nuclear Safety Assurance Date

APPROVED BY: *JH B...* 5/14/13
Responsible Procedure Owner Date

EFFECTIVE DATE: 5/30/13

OSRC MEETING NO. 08-016 DATE 12/17/08

*****	*****
* INFORMATIONAL USE *	* QUALITY RELATED *
*****	*****
* ADMINISTRATIVE *	<div style="border: 2px solid black; padding: 5px; text-align: center;">UNCONTROLLED COPY#</div>

PERIODIC REVIEW DUE DATE: May 2014

Rev. No. 14

SECTION 3 - SUMMARY OF THE JAFNPP EMERGENCY PLAN

TABLE OF CONTENTS

3.0	SUMMARY OF THE JAFNPP EMERGENCY PLAN	3-3
3.1	County, State and Federal agencies having lead responsibilities specifically related to this Emergency Plan	3-4
3.2	Emergency response is categorized by the following four functional areas	3-5

SECTION 3 - SUMMARY OF THE JAFNPP EMERGENCY PLAN

3.0 SUMMARY OF THE JAFNPP EMERGENCY PLAN

The JAFNPP Emergency Plan is a three volume set of documents which is organized into Volume 1 - Emergency Plan and Volumes 2 & 3 -Implementing Procedures.

Volume 1 - "Emergency Plan" describes the preparedness program that has been established, implemented and coordinated by the JAFNPP staff to ensure the capability for responding to emergencies.

Volumes 2 & 3 - "Implementing Procedures" contains detailed step-by-step methods to be used for the specialized functions performed during implementation of the emergency plan. Volume 3 also contains Emergency Plan maintenance procedures used by the Emergency Planning Department to maintain the plan and procedures. These three volumes are supported by the emergency plans of the state, county, and private agencies involved in an emergency response.

The JAFNPP Emergency Plan describes the emergency response organization that will be in place during an emergency and describes the interfaces with and responsibilities of the corporate, state, county, federal, and private organizations.

SECTION 3 - SUMMARY OF THE JAFNPP EMERGENCY PLAN

3.1 County, State and Federal agencies having lead responsibilities specifically related to this Emergency Plan are:

- a. New York State Department of Health (NYSDOH) - The lead State emergency response agency, responsible for requesting necessary monitoring and for activating assessment and evaluation of personnel, equipment and other resources.
- b. New York State Office of Emergency Management (NYSOEM) - Responsible for developing, implementing, and maintaining comprehensive emergency plans and procedures for prompt reactions to potential emergencies at nuclear power plants in New York or in bordering states and adjoining provinces.
- c. Oswego County Emergency Management Office (OCEMO) - Designated by local laws and executive orders to coordinate Oswego County's emergency response.
- d. U.S. Nuclear Regulatory Commission (NRC) - The cognizant Federal agency responsible for verifying appropriate emergency plans have been implemented and for conducting investigative activities associated with an emergency.
- e. U.S. Federal Emergency Management Agency (FEMA) - The Federal agency designated to serve as the contact point for State officials and to coordinate and manage all non-technical aspects of the Federal response.
- f. U.S. Department of Energy (DOE) - The Federal agency responsible for coordinating offsite monitoring, evaluation and assessment activities.

SECTION 3 - SUMMARY OF THE JAFNPP EMERGENCY PLAN

3.2 Emergency response is categorized by the following four functional areas:

a. Initiation

Initiation of the emergency response occurs with the classification of a situation into one of the four emergency classes: Unusual Event (UE), Alert, Site Area Emergency, and General Emergency. Based on the level of emergency, the appropriate plant staffing, emergency facility activation, and notification of offsite authorities occurs. Appropriate initial action to alleviate the situation is taken in accordance with plant operating procedures.

b. Assessment

The emergency, and its potential or actual radiological consequences, is assessed by the plant operating and emergency staffs. Onsite plant instrumentation, both fixed and portable, and other parametric measurements provide data for projecting radiological exposures. Offsite, radiological survey teams sample air, effluent water, snow, rain, vegetation, and milk; measure ambient gamma and beta radiation levels; and otherwise evaluate actual environmental levels of radiation to provide radiological data. The most reliable assessment data available are utilized to make offsite and onsite protective action recommendations.

SECTION 3 - SUMMARY OF THE JAFNPP EMERGENCY PLAN

c. Protective and Corrective Action

Based on the assessment, onsite or offsite protective actions may be required. The Emergency Director, or Emergency Plant Manager, may implement the plant protective actions of protected area or site evacuation. Also, only the Emergency Director may recommend to offsite authorities that the implementation of protective actions is appropriate. These actions may include sheltering or evacuation. It is the responsibility of offsite authorities to evaluate these recommendations and implement any protective actions in accordance with Oswego County Radiological Emergency Preparedness Plans and the New York State Radiological Emergency Preparedness Plan and their respective implementing procedures.

Corrective actions will be implemented by onsite personnel to alleviate the emergency situation. Onsite personnel may be supported by local offsite organizations in implementing onsite corrective actions.

d. Recovery

Once the emergency situation has been controlled, recovery begins. Recovery is defined as: restoration of the plant to its pre-emergency conditions. The onsite emergency organization will be supported with assistance from corporate, federal, and private organizations, as needed.

ENTERGY NUCLEAR OPERATIONS, INC.
JAMES A. FITZPATRICK NUCLEAR POWER PLANT

EMERGENCY PLAN VOLUME 1
MAINTAINING EMERGENCY PREPAREDNESS
SECTION 8

APPROVED BY: Brian M. Fenn 5/14/13
Director of Nuclear Safety Assurance Date

APPROVED BY: [Signature] 5/14/13
Responsible Procedure Owner Date

EFFECTIVE DATE: 5/30/13

OSRC MEETING NO. 10-004 DATE 3/30/10

*****	*****
* INFORMATIONAL USE *	* QUALITY RELATED *
*****	*****
* ADMINISTRATIVE *	UNCONTROLLED
*****	CONTROLLED COPY #

PERIODIC REVIEW DUE DATE: May 2014

REVISION SUMMARY SHEET

REV NO. CHANGE AND REASON FOR CHANGE

31

FULL REVISION

1. In Figure 8.1, added "Offsite Monitoring Team"
 for alignment with SAP-20 rev. 30 and per PCR EP-
 2011-31.
2. Revised cover sheet format.

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
8.0 <u>MAINTAINING EMERGENCY PREPAREDNESS</u>	3
8.1 Responsibility for Maintaining Emergency Preparedness ..	3
8.2 Training of Emergency Personnel	4
8.3 Emergency Planning Staff Training	6
8.4 Drills and Exercises	7
8.5 Document Maintenance	10
8.6 Maintenance and Inventory of Emergency Equipment and Supplies	12
8.7 Maintenance of Public and News Media Awareness	13
8.8 Figures, Forms and Attachments	14
FIGURE 8.1 - EMERGENCY RESPONSE TRAINING	15
FIGURE 8.2 - SCHEDULE OF DRILL PERFORMANCE.....	23

8.0 **MAINTAINING EMERGENCY PREPAREDNESS**

Emergency preparedness is maintained at the JAFNPP through administrative controls designed to; (1) train and periodically retrain ENTERGY personnel, and offsite emergency organization personnel, (2) evaluate onsite and offsite proficiency and provide hands on experience through drills and exercises, (3) ensure that plans and implementing procedures are in place and current through document control procedures, (4) maintain sufficient stores of functional emergency equipment and supplies through equipment inventory procedures, (5) and maintain public and news media awareness of emergency preparedness through annual information updates and meetings with members of the media.

8.1 **Responsibility for Maintaining Emergency Preparedness**

The General Manager Plant Operations (GMPO) has overall authority and responsibility for radiological emergency response planning. The Emergency Preparedness Manager is delegated the overall authority and responsibility for radiological emergency response planning and has the responsibility for developing and updating emergency plans and implementing procedures.

Primary duties of the Emergency Preparedness Manager or Emergency Planners include coordination of training with the Training Manager for JAF personnel and with offsite organizations, scheduling and coordination of drills and exercises, maintenance of plans and implementing procedures, and maintenance and inventory of emergency equipment. The Emergency Preparedness Manager usually delegates the responsibilities for maintenance and inventory of emergency equipment to the Emergency Planners.

The JAFNPP Training Manager is responsible for ensuring that all personnel who have emergency plan duties at the JAFNPP receive the appropriate emergency preparedness training.

The Training Manager shall coordinate the scheduling of training of onsite personnel and provide for the training of all offsite fire support personnel.

The Emergency Preparedness Manager shall be responsible for coordinating, scheduling and administering news organization training.

The Oswego County Director of Emergency Management is responsible for planning and conducting emergency preparedness training for emergency response personnel in Oswego County.

The Director Emergency Programs is responsible for ensuring that corporate personnel who have emergency plan duties supporting JAFNPP receive the appropriate emergency preparedness training.

Individuals responsible for Emergency Planning are trained in accordance with paragraphs 8.2 - **Training Of Emergency Personnel** and 8.3 - **Emergency Planning Staff Training**. In addition, the Emergency Planning Staff receives training by: attendance at Emergency Planning Workshops conducted with other utilities and attendance at NRC, FEMA and other government sponsored Emergency Planning seminars and, participation in JAFNPP specific training programs related to emergency preparedness.

8.2 **Training of Emergency Personnel**

Plant personnel, participating corporate personnel, and offsite response organization personnel that respond to onsite requests for assistance receive emergency response training in accordance with their roles in an emergency.

The JAFNPP Training Department shall maintain a centralized records program concerning Emergency Plan Training Documentation. Records will include classroom training for plant personnel, and records documenting drills and exercise participation.

The following curriculum shall be completed by individuals on the Authorized Access List.

- a. Overview of the Emergency Plan, include planning objectives, emergency organizations and facilities, the existence of coordinated procedures and the ability of the Emergency Response Organization (ERO) to mitigate the consequences of emergencies.
- b. Site alarms and general responses.

- c. Onsite and offsite evacuation routes, assembly areas, and decontamination of personnel and vehicles.
- d. Reporting of fires, injuries, spills and other emergency conditions.
- e. Accountability procedures.
- f. Emergency classifications.
- g. Rumor control.

Personnel assigned to the JAFNPP with specific emergency preparedness duties and responsibilities shall receive specialized training for their respective assignments. The types of training given in conjunction with Emergency Preparedness are:

- a. Training for directors, coordinators, and personnel responsible for accident assessment
- b. Emergency Communications training
- c. Training for Radiological Monitoring Teams and Radiological Assessment personnel
- d. Emergency access control, evacuation and accountability
- e. Search and rescue/first aid response
- f. Emergency repair/corrective actions
- g. Training for onsite fire fighting personnel
- h. Medical support personnel
- i. Offsite fire fighting personnel
- j. Severe Accident Management training

Figure 8.1 - Emergency Response Training presents a summary of the emergency response training program including type of training, personnel receiving training, frequency of training and retraining, applicable procedures, and objectives of the training. Details of the emergency planning training program can be found in EN-TQ-110, EMERGENCY RESPONSE ORGANIZATION TRAINING and SAP-20, Emergency Plan Assignments.

Training will include classroom training and where applicable practical training.

8.2.1 Annual Review of Emergency Action Levels

The Emergency Preparedness Manager, in accordance with 10 CFR 50, shall conduct an annual review of the JAFNPP Emergency Action Levels (or changes to those EALs from the prior review cycle) with appropriate representatives of New York State and Oswego County. Reviews will be documented by memorandum.

8.3 **Emergency Planning Staff Training**

Emergency Planning Staff Members receive on-going training and experiences to maintain or improve their knowledge related to emergency planning. At least once each calendar year members of the Emergency Preparedness staff are involved in one of the following activities:

- Training courses specific to emergency preparedness.
- Training courses related to emergency preparedness management, such as problem solving, stress management or confrontation/media relations; courses.
- Observation of or participation in drills and/or exercises at other utilities or stations.
- Participation in industry review and evaluation programs.
- Participation in regional or national emergency preparedness seminars, committees, workshops or forums.
- JAF training courses in related areas, such as systems, operations, or radiological protection training.

8.4 Drills and Exercises

An exercise is an event that tests the integrated capability and a major portion of the basic elements existing within emergency preparedness plans and organizations.

Drills and Exercises are discussed in detail in EN-EP-306, DRILLS AND EXERCISES and EN-EP-308, EMERGENCY PLANNING CRITIQUES.

Drills and exercises provide the means to evaluate training effectiveness under simulated emergency conditions, skills developed during training, reinforce correct actions and identify and correct short-comings in training, equipment, or procedures.

8.4.1 Drills

A drill is a supervised instruction period aimed at testing, developing and maintaining skills in a particular operation. A drill is often a component of an exercise. A drill may also be tabletop supervised instruction or role-playing.

The Emergency Preparedness Manager is responsible for the conduct of drills listed in Figure 8.2 - Schedule Of Drill Performance (except for Fire Fighting drills which are the responsibility of the Training Manager).

Drills shall be conducted using the following guidelines:

- a. Drills are planned in advance using formal scenarios (except communications drills which may be performed by a single individual).
- b. Observers/evaluators, and/or controllers are designated and briefed in advance, as required.
- c. Drill critiques are conducted per EN-EP-308-EMERGENCY PLANNING CRITIQUES and the results of the critique along with observer, evaluator, controller and participant comments are utilized to evaluate and resolve any identified shortcomings.

- d. Major elements of the JAFNPP Emergency Plan are tested within a six-year period.
- e. At least once per six-year period an exercise starts between 6:00 p.m. and 4:00 a.m.
- f. Exercises are conducted under various weather conditions.

8.4.2 Exercises

The Emergency Preparedness Manager is responsible for the coordination and conduct of exercises. Exercises are conducted at least once every two years in accordance with NRC and FEMA rules. Detailed guidance for the conduct of exercises is contained in procedure SAP-1, MAINTAINING EMERGENCY PREPAREDNESS, EN-EP-306, DRILLS AND EXERCISES, EN-EP-308, EMERGENCY PLAN CRITIQUES. In summary the following criteria apply to exercises conducted at JAFNPP.

Exercises will be conducted using the same criteria as applied to drills and in accordance with the Figure 8.2 - Schedule of Drill Performance as summarized below:

- a. The JAFNPP Exercise should include simulated off-site radiological releases.
- b. Federal, State, and company observers/evaluators may be present.
- c. Exercises are planned in advance using formal scenarios.
- d. Scenarios shall be reviewed and approved in advance by the Emergency Preparedness Manager and a representative from the Onsite Safety Review Committee (OSRC) or senior management reviewer. The reviewer should have plant experience and have participated in an SRO training program or have a current SRO license.
- e. Observers, evaluators and controllers are designated and briefed in advance.

- f. Unannounced exercises are controlled through input of initiating events by controllers.
- g. Observers, evaluators, controllers and participants comments form the exercise documentation package.
- h. The NRC/FEMA critique is factored into the exercise documentation package (when applicable).
- i. The exercise documentation package is used as a basis to evaluate shortcomings and develop a plan to correct deficiencies through additional training or equipment or procedure revision.
- j. Drill/Exercise report generation is in accordance with EN-EP-306 - DRILLS AND EXERCISES and EN-EP-308 - EMERGENCY PLANNING CRITIQUES.

8.4.3 Drill and Exercise Scenario Preparation Responsibilities

The development of drills and exercises for JAFNPP shall be coordinated by the JAFNPP Emergency Preparedness Manager. The JAFNPP Training Manager shall have the responsibility for developing plant specific data. The JAFNPP Emergency Preparedness Manager shall have the responsibility for ensuring plant specific radiological data is provided. Exercise Scenario preparation shall be conducted by a committee and documented by the Emergency Preparedness Manager

Responsibilities are discussed in detail in EN-EP-306 - DRILLS AND EXERCISES.

8.5 Document Maintenance

8.5.1 Plans and Procedures

The JAFNPP Emergency Plan and Procedures will be maintained in the format and by the method specified in JAFNPP Administrative Procedure AP-02.03, EMERGENCY PREPAREDNESS. This procedure delineates the following:

- a. Responsibilities (for Emergency Plan Maintenance)
- b. Format
- c. Review and approval

This procedure documents that review and updating of the JAFNPP Emergency Plan and Implementing Procedures are primarily the responsibility of the Emergency Preparedness Manager. The Plan shall be updated periodically, based on recommendations resulting from exercises, drills, changes in operating procedures or conditions, or changes in regulatory or other requirements.

Technical Support Guidelines for Severe Accident Management are free form reference guides that do not have the same format, review and approval as listed above.

8.5.2 Letters of Agreement

The Emergency Preparedness Manager will ensure that letters of agreement from all participating organizations are reviewed and recertified. Recertification may include a written recertification, purchase order documentation, memo form, or a memo of a telephone conversation. The General Manager of Plant Operations (GMPO) JAF is the individual with the authority and responsibility to make agreements with utility and non-utility organizations.

8.5.3 Reviews

An independent review of the JAFNPP Emergency Preparedness Program shall be conducted by the Entergy Quality Assurance Department. The independent review shall be conducted in accordance with 10CFR50.54(t) as follows:

- At intervals not to exceed 12 months **or**,
- As necessary, based on an assessment by the licensee against performance indicators, and as soon as reasonably practicable after a change occurs in personnel, procedures, equipment, or facilities that potentially could adversely affect emergency preparedness, but no longer than 12 months after the change. In any case, all elements of the emergency preparedness program must be reviewed at least once every 24 months.

8.5.4 The review must include an evaluation for adequacy of interfaces with State and local governments and of licensee drills, exercises, capabilities, and procedures. The results of the review, along with recommendations for improvements, must be documented, reported to the licensee's corporate and plant management. The part of the review involving the evaluation for adequacy of interface with State and local governments must be available to the appropriate State and local government.

8.5.5 Supporting Documents

A list of supporting documents is contained in Appendix J, SUPPORTING DOCUMENTS. Documents on this list will be maintained in the manner specified by the agency the supporting document is received from.

8.6 Maintenance and Inventory of Emergency Equipment and Supplies

Periodic testing, calibration and inventory of emergency equipment and supplies are conducted in accordance with Emergency Plan Implementing Procedure SAP-2, EMERGENCY EQUIPMENT INVENTORY. The Emergency Preparedness Manager or designated alternate shall conduct an annual review of this procedure to ensure the operational readiness of emergency equipment and supplies.

Emergency equipment and instrumentation shall be inventoried, inspected and operationally checked monthly, quarterly, or semiannually as indicated by the procedure and after each use. Sufficient reserves of equipment and instrumentation are stocked to replace emergency equipment and instrumentation removed from service for calibration and/or repair.

Appendix I, EMERGENCY EQUIPMENT KITS presents a list of emergency equipment and instrumentation and emergency equipment kits.

Records detailing the testing, calibration and inventory of emergency equipment and supplies shall be maintained for two years.

Communications checks and drills will be conducted in accordance with SAP-3, EMERGENCY COMMUNICATIONS TESTING. This procedure specifies that certain emergency telephones and telephone numbers shall be verified at least quarterly.

8.7 Maintenance of Public and News Media Awareness

8.7.1 Public Awareness

ENTERGY, in conjunction with the Nine Mile Point Site, New York State EMO, and the Oswego County EMO, has established an information program for the permanent residents and transient population within the Plume Exposure EPZ. The information provided emphasizes the means of notification and subsequent actions to be taken in the event of an emergency at the JAFNPP (or NMPNPS), and includes information on contacts for additional information and protective measures. Refer to Appendix H, PUBLIC INFORMATION PROGRAM for detailed information.

Information is distributed to permanent residents by various methods, including mailings to their residence or placement in local telephone books. Postings in public areas and places of business frequented by the transient population is the principal method for informing those individuals.

Public postings are updated as necessary and public distribution shall be conducted at least annually, or a frequency to coincide with telephone book distribution.

8.7.2 Residents Who May Require Special Care

Information for residents who may require special care (e.g. handicapped, elderly) is included with the annual mailing sent to the resident population. Along with this information is a card that is requested to be returned if an individual requires special care. A list of these individuals is maintained by the OCEMO for their use.

8.7.3 Rumor Control

Rumor control is conducted by a telephone answering system that may include both mechanical or electronic devices as well as operators for the answering of calls from the public.

8.7.4 News Media Awareness

News media awareness is completed by meeting with representatives annually in conjunction with Oswego County, Nine Mile Point, and New York State, or other means, as necessary. These meetings provide information concerning radiation, emergency planning, and the means established for the release of information to the news media during an emergency. In addition, media manuals are distributed to media organizations, as necessary.

8.8 **Figures, Forms and Attachments**

Figure 8.1 - Emergency Response Training

Figure 8.2 - Schedule of Drill Performance

FIGURE 8.1
EMERGENCY RESPONSE TRAINING

<u>TITLE/FUNCTION</u>	<u>ASSIGNED PERSONNEL</u>	<u>FREQUENCY</u>	<u>TRAINING OBJECTIVE</u>
Emergency Plan Indoctrination for Non-Essential Personnel	Personnel requiring regular access to the site.	Per General Employee Training, EN-TQ-107, Requirements	Ensure Ability to: a. Report emergency conditions correctly and expeditiously. b. Recognize and recall the significance of site alarms. c. Evacuate affected areas and the site. d. Locate and assemble in designated assembly areas. e. Facilitate personnel accountability process. f. Rumor Control. g. Overview of JAFNPP Emergency Plan.
Emergency Plan Indoctrination for Essential Personnel	Essential personnel who may be assigned to specific response functions in JAFNPP Emergency Plan.	Before assuming position, annually thereafter.	The objective of Emergency Plan Indoctrination for Essential Personnel shall be to provide Emergency Response Personnel a more detailed knowledge of the plant Emergency Plan and Procedures to ensure these personnel are familiar with their scope, applicability, and implementation.

FIGURE 8.1
EMERGENCY RESPONSE TRAINING
(continued)

<u>TITLE/FUNCTION</u>	<u>ASSIGNED PERSONNEL</u>	<u>FREQUENCY</u>	<u>TRAINING OBJECTIVE</u>
Emergency Plan Training for directors, coordinators, and personnel responsible for accident assessment	Designated Primary and Alternates a. Emergency Director b. Emergency Plant Manager c. Lead Offsite Liaison d. EOF Manager e. Operations Coordinator* f. TSC Manager g. Engineering Coordinator h. Offsite Liaisons	Before assuming position Annually thereafter	The objective of training for Emergency Directors/Coordinators shall be to ensure the capability for immediate response, assessment and the implementation of measures to prevent or mitigate the consequences of emergencies through effective management of the Emergency Organization.
*Licensed Operator training may be substituted for Emergency Director training.			
Emergency Plan Training for Licensed Operators and Shift Technical Advisors	Any personnel not listed above who are assigned to a position that requires a valid USNRC Operator License, or who are designated as STAs.	Before assuming position Annually thereafter	The objective of Emergency Plan training for Licensed Operators and STAs shall be to ensure the capability for immediate response, assessment, and the implementation of measures to prevent or mitigate the consequences of emergencies.

FIGURE 8.1
EMERGENCY RESPONSE TRAINING
(continued)

<u>TITLE/FUNCTION</u>	<u>ASSIGNED PERSONNEL</u>	<u>FREQUENCY</u>	<u>TRAINING OBJECTIVE</u>
Severe Accident Management Training	Designated Staff	Before assuming position Once every two years thereafter training or drill	The objective of SAM training shall be to ensure the capabilities for coordination, and assumption of responsibilities of actions associated with Severe Accident Operations Guidelines.
Emergency Plan Training for Non-Licensed Operators	Non-Licensed Operators	Before assuming position Annually thereafter	The objective of Emergency Plan training for Non-Licensed Operators shall be to ensure the capability for immediate response by conducting measures to prevent or mitigate accident conditions.
Emergency Communications	Designated Primary and Alternates: a. Communications and Record Coordinator b. TSC RECS Communicator c. ENS Communicator d. Offsite Communicators (EOF) e. EOF Communicators	Before assuming position Annually thereafter	The objective of training for emergency communicators shall be to develop and maintain a group of Emergency Communicators qualified to operate emergency communication systems and effectively transmit emergency information and data to the applicable personnel and/or agencies.

FIGURE 8.1
EMERGENCY RESPONSE TRAINING
(continued)

<u>TITLE/FUNCTION</u>	<u>ASSIGNED PERSONNEL</u>	<u>FREQUENCY</u>	<u>TRAINING OBJECTIVE</u>
Radiological Assessment	Designated Primary and Alternates:	Before assuming position	The objective of training for radiological assessment personnel shall be to develop and maintain a group of personnel qualified to assess real or potential radiological hazards during emergencies in order to provide the Emergency Director with the necessary information and advice to make offsite protective action recommendations and mitigate radiological consequences.
	a. Radiological Coordinator (TSC) and Radiological Assessment Coordinator (EOF)	Annually thereafter	
	b. Offsite Team Coordinator (EOF)		
	c. Dose Assessor (EOF)		
	d. Dose Assessor Support (EOF)		

FIGURE 8.1
EMERGENCY RESPONSE TRAINING
(continued)

<u>TITLE/FUNCTION</u>	<u>ASSIGNED PERSONNEL</u>	<u>FREQUENCY</u>	<u>TRAINING OBJECTIVE</u>
Radiological Controls and Surveys during Emergencies	Designated Primary and Alternates: a) Radio Dispatcher (TSC) b) In-Plant Radiological Controls and Downwind Survey Teams c) In-Plant Dispatcher d) RP Technicians e) Chemistry Technicians f) Radiation Protection / Chemistry Coordinator g) Offsite Monitoring Team	Before assuming position Annually thereafter	The objective of training for radiological controls personnel shall be to develop and maintain a group of personnel qualified to measure real or assess potential radiological conditions during emergencies in order to provide radiological assessment personnel with the necessary information to assess or project radiological hazards both on and offsite.
EOF Radio Operators	Radio Operator (EOF)	Before Assuming Position Annually thereafter	The objective of the training for EOF Radio Operators shall be to develop and maintain a group of personnel to communicate with downwind survey teams during emergencies, such that information and direction may be relayed to the team and data gathered from the team.

FIGURE 8.1
EMERGENCY RESPONSE TRAINING
(continued)

<u>TITLE/FUNCTION</u>	<u>ASSIGNED PERSONNEL</u>	<u>FREQUENCY</u>	<u>TRAINING OBJECTIVE</u>
Emergency Access Control, Evacuation and Accountability	Designated Primary and Alternates a. Plant Security Force b. Security Coordinator c. Security Shift Supervisor d. Nuclear Security Guards.	Before assuming position Annually thereafter	The objective of training in Emergency Access Control/ Evacuation and Accountability is to develop and maintain the station security force's ability to maintain personnel accountability, and ensure effective coordination of personnel movements, onsite, and during an emergency.
Search and Rescue/First Aid Response	Plant Fire Brigade members.	Before assuming position Annually thereafter	The objective of training fire brigade members in Search and Rescue/First Aid Response is to assure that prompt medical attention is provided to contaminated, injured or ill personnel and to provide effective search and rescue capabilities for missing, trapped or injured personnel in an emergency situation.

FIGURE 8.1
EMERGENCY RESPONSE TRAINING
(continued)

<u>TITLE/FUNCTION</u>	<u>ASSIGNED PERSONNEL</u>	<u>FREQUENCY</u>	<u>TRAINING OBJECTIVE</u>
Emergency Repair/ Corrective Actions Training	Designated Primary and Alternates: a. Emergency Maintenance Coord. b. OSC Manager c. Mechanics d. Electricians e. Instrument and Control Technicians f. Electrical/I & C Supervisor g. Mechanical Supervisor h. Planner	Before assuming position Annually thereafter	The objective of Emergency Repair/ Corrective Action is to develop and maintain a group of personnel capable of assessing and performing emergency repair or corrective action operations in-plant in an emergency situation.
Onsite Fire Fighting Personnel	a. Fire Brigade members and Supervisors as specified in the Fire Protection Procedures Manual	Annually	Develop well-trained fire brigade whose actions minimize injuries, property loss and damage and lost generation time.

FIGURE 8.1
EMERGENCY RESPONSE TRAINING
(continued)

<u>TITLE/FUNCTION</u>	<u>ASSIGNED PERSONNEL</u>	<u>FREQUENCY</u>	<u>TRAINING OBJECTIVE</u>
Medical Support Personnel	a. Oswego Hospital Personnel b. Ambulance Drivers and Attendants c. University Hospital Personnel	Annually	Ensure a high state of emergency preparedness and medical awareness of handling of contaminated injuries that may occur at a nuclear facility.
Offsite Fire Fighting Personnel	Designated personnel from those fire agencies which will most likely respond to a request for aid through Oswego County E-911.	Annually	The objective of training for fire fighting personnel is to ensure that offsite individuals who may be called upon in an emergency to access the JAFNPP will be knowledgeable in applicable procedures and intended roles.

FIGURE 8.2
SCHEDULE OF DRILL PERFORMANCE

<u>TITLE/FUNCTION</u>	<u>ASSIGNED PERSONNEL</u>	<u>FREQUENCY</u>	<u>ORGANIZATION(S) /PERSONNEL</u>	<u>TRAINING OBJECTIVE</u>
Communication	Function of Communications link to State and Local Governments	Monthly	Plant NY State Oswego Co.	Test in Accordance with SAP-3, EN-EP-306
Communication	Function of Communications link to Federal Emergency Response Organization	Monthly	Plant ENS HPN NRC	Test in Accordance with SAP-3, EN-EP-306
Communication	Function of Communications network out to field assessment personnel	Annually	Plant NY State Oswego Co. Plant Field Monitoring Teams	Test in Accordance with annual exercise and EN-EP-306
Fire Fighting	Fire Brigade Response	Refer to FPPs	<u>Plant</u> - Operations Fire Brigade Misc. Personnel <u>Offsite</u> - Scriba FD (Mutual Aid)	In Accordance with Fire Protection Procedures, AP-14.01 and EN-TQ-125

FIGURE 8.2
SCHEDULE OF DRILL PERFORMANCE
(continued)

<u>TITLE/FUNCTION</u>	<u>ASSIGNED PERSONNEL</u>	<u>FREQUENCY</u>	<u>ORGANIZATION(S) /PERSONNEL</u>	<u>TRAINING OBJECTIVE</u>
Medical Emergency	Treatment of Contaminated, injured person	Annually	Plant - Operations First Aid Team Misc. Personnel <u>Offsite</u> - Ambulance Personnel Hospital Personnel	In Accordance with written scenario per SAP-1, EN-EP-306, EN-EP-308
Radiological Monitoring	Dispatching and directing survey teams to perform radiation surveys and collect environmental samples (air, soil, water, etc.).	Annually	Plant - Radiological Assessment Coordinator Radiological Coordinator Radiological Monitors Other Support personnel	In accordance with written scenario per SAP-1, EN-EP-306, EN-EP-308

ENTERGY NUCLEAR OPERATIONS, INC.
JAMES A. FITZPATRICK NUCLEAR POWER PLANT

EMERGENCY PLAN VOLUME 1
NUREG-0654/FEMA-REP-1 CROSS REFERENCE
APPENDIX L

APPROVED BY: [Signature] 5/14/13

Director of Nuclear Safety Assurance Date

APPROVED BY: [Signature] 5/9/13

Responsible Procedure Owner Date

EFFECTIVE DATE: 5/30/13

OSRC MEETING NO. OSRC-12-001 DATE 1/31/12

*****	*****
* INFORMATIONAL USE *	* QUALITY RELATED *
*****	*****
* ADMINISTRATIVE *	CONTROLLED COPY #
*****	UNCONTROLLED

PERIODIC REVIEW DUE DATE: May 2014

REVISION SUMMARY PAGE

REV.NO. CHANGE AND REASON FOR CHANGE

16 FULL REVISION

1. Revised cover sheet format to align with current standard per periodic review comment.
2. On page L-1, changed "Figure 5.1", "Figure 5.2", and "Figure 5.3" to "Figure 5-1", "Figure 5-2", and "Figure 5-3" to align format with Section 5 of the Emergency Plan, per periodic review comment.
3. On page L-2, changed "Figure 5.1", "Figure 5.2", and "Table 5.1" to "Figure 5-1", "Figure 5-2", and "Table 5-1" to align format with Section 5 of the Emergency Plan per periodic review comment.
4. On page L-9 item J.10.a, added "Appendix H" as applicable Emergency Plan reference per periodic review comment.
5. On page L-11 item P.4, added "Section 8.5.2" as applicable Emergency Plan reference, per periodic review comment.

APPENDIX L

NUREG-0654/FEMA-REP-1 CROSS REFERENCE

PURPOSE: Appendix L provides a cross reference for locating NUREG-0654 planning standards within the James A. FitzPatrick Emergency Plan. This cross reference will facilitate timeliness in reviewing which sections of the JAF Emergency Plan satisfy applicable planning standards established in NUREG-0654.

NUREG-0654 Section	Evaluation Criteria	JAFNPP EMERGENCY PLAN
A.1.a	Overall response organization identification - State, Local, Federal and Private Organizations	Section 5.4.2 Section 5.4.3 Section 5.5.1 Section 5.5.2 Section 5.6 Appendix N
A.1.b	Organizational concept of operations	Section 5.2 Section 5.3 Section 5.4 Section 5.5 Section 5.6
A.1.c	Organizational interrelationships - block diagram	Figure 5-1 Figure 5-2 Figure 5-3
A.1.d	Identification of individual in charge	Section 5.3.1 Section 5.4.1 Appendix B
A.1.e	24-hour response capability (including communications)	Section 5.1 Section 5.2 Section 5.3 Section 5.4.1 Section 6.5 Section 7.2.4
A.2.a	Specification of functions and responsibilities of key individuals	N/A*
A.2.b	Legal basis for authority	N/A*

* N/A - Not applicable

NUREG-0654 Section	Evaluation Criteria	JAFNPP EMERGENCY PLAN
A.3	Written agreements referring to concept of operations	Section 5.4 Section 6.1.2 Section 6.5.3 Section 6.5.4 Section 8.5.2 Appendix C
A.4	Provisions for 24-hour operations/continuity of resources	Section 5.3 Section 5.4 Section 5.6
B.1	Onsite Emergency Organization	Section 5.2 Figure 5-2 Section 5.3 Table 5-1
B.2	Designation of Emergency Coordinator	Section 5.3.1 Appendix B
B.3	Emergency Coordinator - line of succession	Section 5.3.1 Section 9.1 Appendix B
B.4	Functional responsibilities of Emergency Coordinator	Section 5.3.1
B.5	Titles and major tasks of emergency positions	Section 5.1 Table 5-1 Section 5.2 Section 5.3 Section 5.4
B.6	Interfaces between and among emergency organizations - block diagram	Figure 5-1
B.7	Augmentation of plant staff	Section 5.3 Appendix F
B.7.a	Logistics support	Section 5.6 Section 9.2
B.7.b	Technical support	Section 9.2 Figure 9.1
B.7.c	Management interface with governmental authorities	Section 5.4 Section 5.5
B.7.d	Release of information to news media	Section 5.3.12 Section 9.2 Appendix H

* N/A - Not applicable

NUREG-0654 Section	Evaluation Criteria	JAFNPP EMERGENCY PLAN
B.8	Contractor and private organization assistance/ staff augmentation	Section 5.4.2 Section 5.4.3 Appendix C Appendix F
B.9	Emergency services provided by local agencies	Section 5.4.2 Section 6.5 Appendix C
C.1.a	Incorporation of Federal response capability into Plan - request for assistance	Section 5.3.1 Section 5.5.2 Section 6.1.2
C.1.b	Federal resources expected	Section 5.5.2 Appendix C
C.1.c	Resources to support Federal response	Appendix N
C.2.a	Offsite EOF representative	N/A*
C.2.b	Licensee representative at offsite locations	Section 5.3.13
C.3	Identification of radiological laboratories	Section 5.4.3 Section 6.2.2.2 Section 7.3.1 Section 7.3.2
C.4	Identification of organizations to provide assistance	Section 5.4.3 Appendix C Appendix F
D.1	Establishment of emergency classification/emergency action level scheme	Section 4.1
D.2	Initiating conditions for postulated accidents in FSAR	Section 4.1 Section 4.2
D.3	State/local emergency classification scheme	N/A*
D.4	Offsite procedures providing emergency actions	N/A*

* N/A - Not applicable

NUREG-0654 Section	Evaluation Criteria	JAFNPP EMERGENCY PLAN
E.1	Procedures to describe notification of response organizations	Section 6.1
E.2	Establishment of personnel alerting, notifying, and mobilizing procedures	Section 6.1.1
E.3	Contents of initial emergency messages from Licensee	Section 6.1.2
E.4.a-n	Contents of follow-up messages from Licensee	Section 6.1.2
E.5	Offsite system to disseminate message information to the public	N/A
E.6	Establishment of means to notify public in EPZ	Section 7.2.8
E.7	Provisions for written messages to notify the public	Section 5.3.12 Appendix H
F.1.a	24-hour primary and backup provision for notification and activation of local emergency network	Section 7.2.3 Section 7.2.4.1 Section 7.2.5
F.1.b	Primary and backup communications with contiguous State/local governments	Section 6.1.2 Section 7.2.3 Section 7.2.4.1
F.1.c	Primary and backup communications with Federal organizations	Section 6.1.2 Section 7.2.3 Section 7.2.4.2 Section 7.2.4.3
F.1.d	Primary and backup communications between nuclear facility, State/local EOCs and radiological monitoring teams	Section 7.2.3 Section 7.2.4.1 Section 7.2.4.2 Section 7.2.5
F.1.e	Primary and backup alerting of emergency personnel	Section 6.1.1 Section 6.1.2

* N/A - Not applicable

NUREG-0654 Section	Evaluation Criteria	JAFNPP EMERGENCY PLAN
F.1.f	Provision for communication by Licensee to NRC, EOF, and radiation monitoring team	Section 6.1.2 Section 7.2.3 Section 7.2.4.2 Section 7.2.4.3 Section 7.2.5
F.2	Primary and backup communications link to medical support facilities	Section 6.5.3 Section 6.5.4 Section 7.2.3 Section 7.2.5
F.3	Periodic testing of communications system	Section 8.4 Figure 8.2
G.1.a-d	Coordinated periodic dissemination of information to the public	Section 8.6.1 Section 8.6.2 Appendix H
G.2	Provisions for public information program	Section 8.7.1 Section 8.7.4 Appendix H
G.3.a	Physical location for use by news media	Section 7.1.6 Appendix H
G.3.b SUPP 1, G.3	Space for news media at EOF	Section 7.1.5 Section 7.1.6
G.4.a SUPP 1, G.4.a	Designation of spokesperson	Section 5.3.12 Section 9.1 Appendix H
G.4.b SUPP 1, G.4.b	Exchange of information among spokespersons	Section 7.1.6 Appendix H
G.4.c SUPP 1, G.4.c	Coordinated arrangements for dealing with rumors	Section 7.1.6 Section 8.7.3 Appendix H
G.5 SUPP 1, G.5	Annual coordinated programs for the news media	Section 8.7.4 Appendix H
H.1	Establishment of TSC and OSC	Section 7.1.2 Section 7.1.3 Section 7.1.4
H.2	Establishment of EOF for Licensee emergency activities	Section 7.1.5

* N/A - Not applicable

NUREG-0654 Section	Evaluation Criteria	JAFNPP EMERGENCY PLAN
H.3	Establishment of EOC for response functions	N/A*
H.4	Provisions for timely activation and staffing of facilities	Section 5.2 Section 5.3 Section 6.1.1 Section 7.1
H.5.a	Identification of geophysical phenomena monitors	Section 7.3.3.3 Section 7.3.3.7
H.5.b	Identification of radiological monitors	Section 6.5.1 Section 6.5.2 Section 7.3.3.1 Section 7.3.3.8
H.5.c	Identification of process monitors	Section 7.3.3.9
H.5.d	Identification of fire detectors	Section 7.3.3.2
H.6.a	Acquisition of data from geophysical phenomena monitors	Section 7.3.3.3 Section 7.3.3.7
H.6.b	Acquisition of data from radiological monitors	Section 6.5.1 Section 7.3.3.1 Section 7.3.3.4 Section 7.3.3.5 Section 7.3.3.6
H.6.c	Acquisition of data from laboratory facilities	Section 7.3.1 Section 7.3.2
H.7	Provisions for offsite monitoring equipment	Section 6.2.2.2 Section 7.3.3.8
H.8	Provisions for meteorological instrumentation and procedures	Section 7.3.3.7
H.9	Provisions for onsite Operations Support Center	Section 7.1.3
H.10	Provisions to inspect, inventory, and operationally check equipment	Section 8.6
H.11	Identification of emergency equipment	Appendix I

* N/A - Not applicable

NUREG-0654 Section	Evaluation Criteria	JAFNPP EMERGENCY PLAN
H.12	Establishment of central point for receipt/analysis of field monitoring data	Section 7.1.5 Section 7.3.2
I.1	Identification of plant system and effluent values characteristic of off-normal conditions	Section 4.1
I.2	Onsite capability to provide initial values and assessment throughout accident	Section 7.3.3.1
I.3.a	Establishment of methods and techniques to determine source term of releases	Section 7.3.3.1
I.3.b	Establishment of methods and techniques to determine magnitude of releases	Section 6.2.3
I.4	Establishment of relationship between effluent monitor readings and exposures	Section 7.3.3.1
I.5	Capability to acquire and evaluate meteorological information	Section 7.3.3.7
I.6	Methodology for determining release rate/projected doses	Section 6.2.3
I.7	Capability and resources for field monitoring within EPZ	Section 6.2.2.2 Section 6.2.3.3 Section 7.3.3.4 Section 7.3.3.5 Section 7.3.3.6 Section 7.3.3.8
I.8	Provisions for methods, equipment and expertise to make rapid assessments of radiological hazards	Section 6.2.2 Section 6.2.3 Section 7.3.3.8
I.9	Capability to detect and measure radioiodine concentration in EPZ as low as $1\text{E-}7$ $\mu\text{Ci/cc}$	Section 6.2.2.2

* N/A - Not applicable

NUREG-0654 Section	Evaluation Criteria	JAFNPP EMERGENCY PLAN
I.10	Establishment of means for relating measured parameters to dose rates	Section 6.2.3
I.11	Arrangements to track airborne plume using Federal and State resources	N/A*
J.1.a-d	Means to warn onsite individuals in controlled areas	Section 6.4.1
J.2	Provisions for evacuation routes and transportation for onsite individuals	Section 6.4.1.2
J.3	Provisions for radiological monitoring of people evacuated from site	Section 6.4.1.2 Section 7.4.4 Section 7.6
J.4	Provisions for decontamination facility for onsite personnel	Section 6.4.1.2 Section 7.4.4 Section 7.6
J.5	Provisions for onsite accountability	Section 6.4.1.3
J.6.a	Provisions for respiratory protection	Section 6.4.1.4.d
J.6.b	Provisions for protective clothing	Section 6.4.1.4.a
J.6.c	Provisions for radioprotective drugs	Section 6.4.1.4.c Section 6.4.2.3
J.7	Mechanism for recommending protective actions to State and local authorities	Section 4.1 Section 5.3.1 Section 6.4.2 Figure 4.1
J.8	Inclusion of evacuation time estimates in Licensee's plan	Appendix K
J.9	State/local capability for implementing protective measures	N/A*

* N/A - Not applicable

NUREG-0654 Section	Evaluation Criteria	JAFNPP EMERGENCY PLAN
J.10.a	Inclusion of maps showing evacuation routes, monitoring locations, and relocation centers	Figure 6.2 Figure 6.9 Figure 7.2 Figure 7.3 Figure 7.4 Figure 7.6 Appendix H
J.10.b	Inclusion of maps showing population distribution around the facility	Figure 2.4 Figure 6.3 Appendix K
J.10.c	Means for notifying all segments of the population	Section 7.2.8 Appendix H
J.10.d-1	State/local plans to implement various protective measures	N/A*
J.10.m	Basis for choice of recommended protective actions	Section 6.4.2
J.11	State protective measures for ingestion pathway	N/A*
J.12	State/local plans for registration and monitoring of evacuees	N/A*
K.1.a-g	Establishment of onsite exposure guidelines consistent with EPA PAGs	Section 6.4.1 Section 6.5.1 Figure 6.1
K.2	Onsite radiation protection program to be implemented during emergencies	Section 5.3.1 Section 5.3.9 Section 6.4.1.4 Section 6.5.1
K.3.a-b	Provisions for 24-hour capability to determine emergency personnel doses	Section 6.5.1
K.4	State/local decision chain for authorizing exposures in excess of EPA PAGs	N/A*
K.5.a	Specification of action levels for decontamination	Section 6.5.2
K.5.b	Means for radiological decontamination of emergency personnel	Section 6.5.2 Section 7.6

* N/A - Not applicable

NUREG-0654 Section	Evaluation Criteria	JAFNPP EMERGENCY PLAN
K.6.a	Provisions for area access control	Section 6.4.1
K.6.b	Provisions for drinking water and food contamination control	Section 6.4.1.4.a and b
K.6.c	Criteria for permitting return of areas to normal use	Section 6.4.1.4.a
K.7	Provisions for decontaminating relocated onsite personnel	Section 6.4.1.2 Section 7.4.4 Section 7.6
L.1	Arrangements for local and backup hospital and medical services	Section 6.5.3 Section 6.5.4 Appendix C
L.2	Provision for onsite first aid capability	Section 7.5
L.3	State listing of medical support facilities	N/A*
L.4	Arrangements for transport of victims of radiological accidents	Section 6.5.3
M.1	Development of plans for reentry and recovery	Section 9.4
M.2	Listing of individuals filling positions in recovery organization	Section 9.1 Section 9.2 Figure 9.1
M.3	Means to inform organization that recovery is initiated	Section 9.0 Section 9.1
M.4	Establishment of method to estimate total population exposure	Section 9.3
N.1.a	Provisions for periodic exercises	Section 8.4 Figure 8.2
N.1.b	Provisions for exercise critique/varied scenarios	Section 8.4
N.2.a-e	Provisions for drills	Section 8.4 Figure 8.2

* N/A - Not applicable

NUREG-0654 Section	Evaluation Criteria	JAFNPP EMERGENCY PLAN
N.3.a-f	Description of components of drills and exercises	Section 8.4 Figure 8.2
N.4	Provisions for observers/critiques	Section 8.4 Figure 8.2
N.5	Provisions for exercise corrective actions	Section 8.4 Figure 8.2
O.1.a	Provisions for site specific training for offsite emergency organizations	Section 8.2 Figure 8.1
O.1.b	Provisions for training mutual aid organizations	N/A*
O.2	Onsite training program/practical drills	Section 8.2 Figure 8.1
O.3	Training for Licensee first aid teams	Section 8.2 Figure 8.1
O.4.a-j	Training and retraining programs for personnel implementing response plan	Section 8.2 Figure 8.1
O.5	Initial training and retraining of personnel	Figure 8.1
P.1	Training of individuals responsible for the planning effort	Section 8.1 Section 8.2 Section 8.3 Figure 8.1
P.2	Identification of individual responsible for planning	Section 8.1
P.3	Designation of Emergency Planning Coordinator	Section 8.1
P.4	Annual update of plan and agreements	Section 8.5.1 Section 8.5.2
P.5	Distribution of approved plans	Section 8.5
P.6	Detailed listing of support plans	Appendix J
P.7	Procedures required to implement the plan	Appendix A

* N/A - Not applicable

NUREG-0654 Section	Evaluation Criteria	JAFNPP EMERGENCY PLAN
P.8	Plan table of contents/ cross reference	Appendix L Table of Contents
P.9	Annual independent review of emergency preparedness program	Section 8.5.3
P.10	Quarterly update of telephone numbers	Section 8.6
EALs were revised in accordance with NEI 99-01 Rev. 5, Methodology for Development of Emergency Action Levels. The EALs are not included in the NUREG-0654 Cross Reference.		

* N/A - Not applicable

Date of Issue: MAY 30, 2013

Procedure Number	Procedure Title	Revision Number	Date of Last Review	Use of Procedure
N/A	TABLE OF CONTENTS	REV. 25	10/11	N/A
EAP-26	PLANT DATA ACQUISITION SYSTEM ACCESS	REV. 13	04/09	Informational
EAP-27	ESTIMATION OF POPULATION DOSE WITHIN 10 MILE EMERGENCY PLANNING ZONE	REV. 12	05/10	Informational
EAP-28	DELETED (10/11)	REV. 8	10/11	Reference
EAP-29	EOF VENTILATION ISOLATION DURING AN EMERGENCY	REV. 6	12/08	Informational
EAP-30	EMERGENCY TERMINATION AND TRANSITION TO RECOVERY	REV. 4	07/11	Informational
EAP-31	DELETED (12/04)	REV. 2		Informational
EAP-32	DELETED (12/04)	REV. 10		Informational
EAP-33	DELETED (12/04)	REV. 1		Informational
EAP-34	ACCEPTANCE OF ENVIRONMENTAL SAMPLES AT THE EOF/EL DURING AN EMERGENCY	REV. 4	08/08	Informational
EAP-35	EOF TLD ISSUANCE DURING AN EMERGENCY	REV. 7	12/08	Informational
EAP-36	ENVIRONMENTAL LABORATORY USE DURING AN EMERGENCY	REV. 6	05/12	Informational
EAP-37	SECURITY OF THE EOF AND EL DURING DRILLS, EXERCISES AND ACTUAL EVENTS	REV. 8	02/18	Informational
EAP-39	DELETED (02/95)			
EAP-40	DELETED (02/98)			
EAP-41	DELETED (12/85)			
EAP-42	OBTAINING METEOROLOGICAL DATA	REV. 23	04/09	Informational
EAP-43	EMERGENCY FACILITIES LONG TERM STAFFING	REV. 69	01/11	Informational
EAP-44	CORE DAMAGE ESTIMATION	REV. 8	07/12	Informational
EAP-45	EMERGENCY RESPONSE DATA SYSTEM (ERDS CONFIGURATION CONTROL PROGRAM)	REV. 8	11/10	Informational
SAP-1	MAINTAINING EMERGENCY PREPAREDNESS	REV. 23	06/09	Informational
SAP-2	EMERGENCY EQUIPMENT INVENTORY	REV. 51	05/12	Reference
SAP-3	EMERGENCY COMMUNICATIONS TESTING	REV. 82	02/13	Reference

EMERGENCY PLAN IMPLEMENTING PROCEDURES/VOLUME 3
UPDATE LIST

Date of Issue: MAY 30, 2013

Procedure Number	Procedure Title	Revision Number	Date of Last Review	Use of Procedure
SAP-4	NYS/OSWEGO COUNTY EMERGENCY PREPAREDNESS PHOTO IDENTIFICATION CARDS	REV. 10	08/08	Informational
SAP-5	DELETED (3/98)			
SAP-6	DELETED (06/09)			Informational
SAP-7	MONTHLY SURVEILLANCE PROCEDURE FOR ON-CALL EMPLOYEES	REV. 41	03/11	Informational
SAP-8	PROMPT NOTIFICATION SYSTEM FAILURE/SIREN SYSTEM FALSE ACTIVATION	REV. 16	11/07	Informational
SAP-9	DELETED (02/94)			
SAP-10	METEOROLOGICAL MONITORING SYSTEM SURVEILLANCE	REV. 14	12/11	Reference
SAP-11	EOF DOCUMENT CONTROL	REV. 13	09/11	Reference
SAP-13	DELETED (04/09)			
SAP-14	DELETED (02/95)			
SAP-15	DELETED (11/92)			
SAP-16	DELETED (09/08)			
SAP-17	EMERGENCY RESPONSE DATA SYSTEM (ERDS) QUARTERLY TESTING	REV. 11	11/11	Informational
SAP-19	SEVERE WEATHER	REV. 6	01/11	Informational
SAP-20	EMERGENCY PLAN ASSIGNMENTS	REV. 33	08/12	Informational
SAP-21	DELETED (04/01)			
SAP-22	DELETED (09/11)			
SAP-23	EQUIPMENT IMPORTANT TO EMERGENCY PREPAREDNESS	REV. 0	05/12	Informational

ENTERGY NUCLEAR OPERATIONS, INC.
JAMES A. FITZPATRICK NUCLEAR POWER PLANT
EMERGENCY PLAN IMPLEMENTING PROCEDURE

ENVIRONMENTAL LABORATORY USE DURING AN EMERGENCY
EAP-36
REVISION 6

APPROVED BY: [Signature]
RESPONSIBLE PROCEDURE OWNER

DATE: 5/9/13

EFFECTIVE DATE: 5/30/13

FIRST ISSUE ☐

FULL REVISION ☒

LIMITED REVISION ☐

*
* INFORMATIONAL USE * * Quality Related *
*

*
* ADMINISTRATIVE *
*

UNCONTROLLED

PERIODIC REVIEW DUE DATE: May 2018

REVISION SUMMARY SHEET

REV. NO. CHANGE AND REASON FOR CHANGE

6 FULL REVISION

1. Updated cover sheet format per current standard.
2. Removed Performance Reference 2.1.2 and Developmental Reference 2.2.3. Both referred to RT-04.02, Environmental Laboratory Safety Procedure, which has been withdrawn. Renumbered subsequent references.
3. In steps 4.2, 7.2, and 7.6, revised titles to align with current fleet standard ERO titles, per the Emergency Plan and implementing procedures. Changed "Radiological Support Coordinator" to "Radiological Coordinator" and "Radiological Assessment Coordinator" for the TSC and EOF positions, respectively.
4. In step 5.1, removed statement to "refer to RT-04.02, Environmental Laboratory Safety Procedure, for specific guidelines" for consistency, as this procedure has been withdrawn.

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
1.0 PURPOSE	4
2.0 REFERENCES	4
2.1 Performance References	4
2.2 Developmental References	4
3.0 INITIATING EVENTS	4
4.0 PREREQUISITES	4
5.0 PRECAUTIONS	4
6.0 CAPABILITIES	5
7.0 PROCEDURE	5
8.0 ATTACHMENTS	6

1.0 PURPOSE

This procedure provides a description of the capabilities and operation of the Environmental Laboratory during an emergency.

2.0 REFERENCES

2.1 Performance References

2.1.1 EAP-34, ACCEPTANCE OF ENVIRONMENTAL SAMPLES AT THE EOF DURING AN EMERGENCY

2.1.2 RT-04.11, ENVIRONMENTAL LABORATORY SAMPLE RECEIPT AND STORAGE

2.2 Developmental References

2.2.1 IAP-2, CLASSIFICATION OF EMERGENCY CONDITIONS

2.2.2 EAP-34, ACCEPTANCE OF ENVIRONMENTAL SAMPLES AT THE EOF DURING AN EMERGENCY

2.2.3 RT-04.11, ENVIRONMENTAL LABORATORY SAMPLE RECEIPT AND STORAGE

3.0 INITIATING EVENTS

None

4.0 PREREQUISITES

4.1 An Alert, Site Area Emergency or General Emergency has been declared in accordance with IAP-2, CLASSIFICATION OF EMERGENCY CONDITIONS, and

4.2 Environmental sampling has been requested by the TSC Radiological Coordinator, the EOF Radiological Assessment Coordinator, or designee.

5.0 PRECAUTIONS

5.1 Environmental samples collected during a radiological emergency may contain radioactivity and should be handled with care to ensure that the sample contents do not spill or leak from the containers. Care should also be taken

when receiving or handling samples to prevent cross-contamination.

- 5.2 The risks of cross-contamination of environmental samples can be reduced by ensuring that extra, clean supplies (i.e. Marinelli flasks, counting vessels, etc.) are on hand.
- 5.3 Accumulation of prepared samples in the counting room or in close proximity to counting equipment should be avoided in order to maintain a stable background for counting samples. (Refer to RT-04.11, ENVIRONMENTAL LABORATORY SAMPLE RECEIPT AND STORAGE, for specific guidelines.)

6.0 CAPABILITIES

The Environmental Laboratory has the capability of handling, storing, preparing and analyzing environmental samples received during a radiological emergency.

7.0 PROCEDURE

- 7.1 All emergency environmental samples will be surveyed and logged on receipt as per procedure EAP-34, ACCEPTANCE OF ENVIRONMENTAL SAMPLES AT THE EOF DURING AN EMERGENCY. Samples showing unexpectedly high radiation measurements (>1 mR/hr) will be isolated from the other samples and placed in a designated area for "hot" samples.
- 7.2 Preparation and analyses of emergency environmental samples should be performed in sequence of increasing radioactivity as an effort to avoid contamination of the laboratory or equipment with radioactive material from heavily contaminated samples. However, this routine may be altered by a directive from the TSC Radiological Coordinator, the EOF Radiological Assessment Coordinator or designee if the analyses of emergency environmental samples have been prioritized.
- 7.3 The preparation and analyses of emergency environmental samples will take priority over the preparation and analyses of routine environmental samples.
- 7.4 Prior to the preparation of contaminated emergency environmental samples, the following steps should be taken:
- 7.4.1 cover counter tops,

- 7.4.2 place absorbent material on counters,
 - 7.4.3 line bottom of fume hood if it is to be used,
 - 7.4.4 place absorbent material in fume hood,
 - 7.4.5 don protective clothing as determined necessary by supervising personnel,
 - 7.4.6 place receptacle for radioactive waste in appropriate position, and
 - 7.4.7 place receptacle for used protective clothing in an appropriate position.
 - 7.4.8 Consider the use of step-off pads to control spread of contamination.
- 7.5 Preparation and analyses of emergency environmental samples should be performed in accordance with the appropriate Environmental Laboratory procedure.
- 7.6 Forward results to the TSC Radiological Coordinator or EOF Radiological Assessment Coordinator.
- 7.7 If the number of emergency environmental samples is such that the capability of the Environmental Laboratory is exceeded, supervising personnel will initiate calls for assistance to those laboratories listed in Appendix C of the JAF Emergency Plan.

8.0 ATTACHMENTS

NONE