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50-313
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Document Update Notification

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ADDRESS: **DOC CNTRL DESK MAIL STOP OP1-17
WASHINGTON DC 20555**

DOCUMENT NO: **OP-1063.021**

TITLE: **EMERGENCY RESPONSE TRAINING
PROGRAM**

REVISION NO: **023-01-0**

CHANGE NO: **PC-01**

SUBJECT: **PERMANENT CHANGE (PC)**



*If this box is checked, please sign, date, and return transmittal
in envelope provided.*



ANO-1 Docket 50-313



ANO-2 Docket 50-368

Signature

Date

A045

HRR-037

ENTERGY OPERATIONS INCORPORATED ARKANSAS NUCLEAR ONE

59 of 70

TITLE: Emergency Response Training Program

PROC/WORK PLAN NO.
1063.021

CHANGE NO.
023-01-0

WORK PLAN EXP. DATE
N/A

TC EXP. DATE
N/A

SET # **103**

SAFETY-RELATED
☒ YES ☐ NO

IPTE
☐ YES ☒ NO

TEMP ALT
☐ YES ☒ NO

When you see these **TRAPS**

Get these **TOOLS**

Time Pressure
Distraction/Interruption
Multiple Tasks
Over Confidence
Vague or Interpretive Guidance
First Shift/Last Shift
Peer Pressure
Change/Off Normal
Physical Environment
Mental Stress (Home or Work)

Effective Communication
Questioning Attitude
Placekeeping
Self Check
Peer Check
Knowledge
Procedures
Job Briefing
Coaching
Turnover

VERIFIED BY

DATE

TIME

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FORM TITLE:

VERIFICATION COVER SHEET

FORM NO.
1000.006A

CHANGE NO.
048-00-0

**ENTERGY OPERATIONS INCORPORATED
ARKANSAS NUCLEAR ONE**

61 of 70

TITLE:Emergency Response Training Program

PROC/WORK PLAN NO.
1063.021

CHANGE NO.
023-01-0

☒ **PROCEDURE**

☐ **WORK PLAN, EXP. DATE** N/A

PAGE 1 **OF** 1

TYPE OF CHANGE:

☐ **NEW**

☐ **REVISION**

☒ **PC**

☐ **TC**

☐ **DELETION**

Procedure or Work Plan

☐ **EZ**

EXP. DATE: N/A

AFFECTED SECTION:
(Include step # if applicable)

DESCRIPTION OF CHANGE: (For each change made, include sufficient detail to describe reason for the change.)

4.3, 6.4.2, 6.5.1

Added "computer-based training" as training option

4.8, 5.3.2, 6.1.2, 6.4.1,
6.4.3, 6.5.1

Changed "retraining" to "requalification training"

4.8, 6.4.2

Changed "calendar year" to "annual"

4.20

Defined "annual"

5.1

Changed Director to Manager; previous site change

5.3.2

Added "initial"

Section 6.3

Removed reference to EP Desk Guide

6.4.1

Standardized format of "requalification training" among EOI sites

6.4.2

Added "self-study" and included examples

6.6.4

Added current methodology for conducting examinations

Attachment 1

Added the following Emergency Planning courses:

- 26 – EP Training for Engineers
- 45 – ERF Walkthrough
- 60 – Duty Emergency Planner
- 83 – SAMG Overview
- ANO – 1/2 – SAMG (Operations)

FORM TITLE:

DESCRIPTION OF CHANGE

FORM NO.
1000.006C

CHANGE NO.
048-00-0

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| None | |

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1.0 PURPOSE

The purpose of this procedure is to describe the training requirements identified in the ANO Emergency Plan and to establish specific requirements and methods for the conduct of this training in accordance with ANO policy and regulatory requirements.

2.0 SCOPE

This procedure is applicable to members of the Initial and Emergency Response Organizations.

3.0 REFERENCES

3.1 REFERENCES USED IN PROCEDURE PREPARATION:

- 3.1.1 Emergency Plan
- 3.1.2 Memorandum ANO-81-9510 (as amended by the SRC November 16, 1981)
- 3.1.3 ANSI N18.1 1971, "Standard for Selection and Training of Personnel for Nuclear Power Plants"
- 3.1.4 NUREG 0660, "NRC Action Plan Developed as a Result of the TMI-2 Accident"
- 3.1.5 NUREG 0654 (Rev. 1), "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants"
- 3.1.6 Title 10 Code of Federal Regulations Part 50 (Appendix E IV.B)
- 3.1.7 Title 10 Code of Federal Regulations Part 50, Section 54, Subsection q.
- 3.1.8 10CFR50.120, "Training and Qualification of Nuclear Power Plant Personnel"
- 3.1.9 1063.007, "GET Program"
- 3.1.10 1063.008, "Operations Training Program"
- 3.1.11 1000.015, "Station Training Program"
- 3.1.12 1063.020, "Fire Brigade Training Program"

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3.2 REGULATORY CORRESPONDENCE CONTAINING NRC COMMITMENTS WHICH ARE IMPLEMENTED IN THIS PROCEDURE INCLUDE: **[BOLD]** DENOTES COMMITMENTS

- 3.2.1 0CAN058203 (P-10833) Section 6.8.2 A
- 3.2.2 0CAN128211 (P-10860) Section 6.7
- 3.2.3 0CAN068320 (P-10769) Section 6.9.1 B
- 3.2.4 0CAN068320 (P-10770) Sections 6.9.3 (C, D, E)
- 3.2.5 0CAN068320 (P-10771) Section 6.10.3 B
- 3.2.6 0CAN068320 (P-10772) Section 6.9.2
- 3.2.7 0CAN128305 (P-4109) Section 6.10.3 B
- 3.2.8 0CAN128305 (P-4175) Sections 4.7, 4.8, 6.3.1, 6.4.1, 6.8
- 3.2.9 0CAN098106 (P-4822) Section 6.8
- 3.2.10 0CAN058203 (P-10866) Sections 6.2 and 6.4.2
- 3.2.11 0CAN058203 (P-10872) Section 6.7
- 3.2.12 0CAN079009 (P-1465) Section 6.9.3 G.

4.0 DEFINITIONS

- 4.1 ANNUAL - For the purposes of this procedure, annual is defined as that period between January 1st and December 31st of each year.
- 4.2 DRILL - An activity aimed at developing, maintaining and testing skills in a particular portion of the Emergency Response Organization where on the spot corrections are made.
- 4.3 EMERGENCY RESPONSE ORGANIZATION (ERO) - The organization which is composed of the IRS, the EOF staff, the TSC staff, the OSC staff, and the Emergency Team members. It has the capability to provide manpower and other resources necessary for immediate and longterm response to an emergency situation.
- [4.4 **EMERGENCY RESPONSE TRAINING (INITIAL)** - **Emergency Response training which shall be completed prior to receiving a Letter of Assignment to the Emergency Response Organization. Specific Emergency Response Positions and courses are listed in Attachment 1 of this procedure.]**
- [4.5 **EMERGENCY RESPONSE TRAINING (REQUALIFICATION)** - **Emergency Response training which shall be completed annually as indicated in Section 6.4.]**
- 4.6 EMERGENCY RESPONSE TRAINING (UPDATE) - Training which consists of significant changes to the Emergency Plan and Emergency Plan Implementing Procedures.
- 4.7 EXERCISE - An activity aimed at testing the integrated capability and a major portion of the basic elements of the Emergency Planning and

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Response Organizations. An exercise involves a major portion of the Emergency Response Organization and is evaluated by the NRC.

- 4.8 GENERAL EMPLOYEE TRAINING - General training and re-training given to individuals at ANO as described in Procedure 1063.007.
- 4.9 INITIAL RESPONSE STAFF (IRS) - The emergency organization primarily composed of plant personnel which must be able to augment the onsite plant personnel in accordance with Table B-1 of the ANO Emergency Plan.
- 4.10 LETTER OF ASSIGNMENT - A memorandum of notification from the General Manager, Plant Operations to an individual which documents the assignment of the individual to an ERO position.
- 4.11 LETTER OF REINSTATEMENT - A memorandum of notification from the General Manager, Plant Operations to a suspended ERO individual which documents the reinstatement of the individual to their previous ERO position upon completion of the procedural training requirements.
- 4.12 LETTER OF SELECTION - A memorandum of notification from the Manager, Emergency Planning to an individual which documents their selection for a proposed assignment to an ERO position. This letter also informs the individual that Emergency Planning will contact them to arrange the appropriate training.
- 4.13 LETTER OF SUSPENSION - A memorandum of notification from the General Manager, Plant Operations to an ERO individual which documents the suspension of an assigned individual who failed to meet the procedural training requirements.
- 4.14 LETTER OF TERMINATION - A memorandum of notification from the General Manager, Plant Operations to an ERO individual which documents the permanent termination of the individual from their ERO assignment.
- 4.15 POSITION WORKBOOK - A workbook prepared for a specific ERO position. These workbooks may be used in place of classroom instruction in requalification training.
- 4.16 REGULARLY EMPLOYED PERSONNEL - ANO and non-ANO personnel who work on site fulltime for periods exceeding one year.
- 4.17 TABLE TOP DRILL - A training activity designed to develop and maintain an individual's knowledge of their assigned ERO duties. The Table Top Drill will include discussion of ERO member's response to simulated emergencies.
- 4.18 TRAINING SESSION - An activity designed to develop or maintain skills. (This may include classroom training, computer-based training, practical drills or any other type of session, excluding the annual Emergency Preparedness Exercise, that meets this criteria. Any of these activities may be conducted in one or more segments.)

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4.19 TUOI - Training Unit of Instruction - A logical block of training, in the form of a lesson plan, Job Performance Measure, Simulator Exercise, etc.

4.20 WALK-THROUGH - A training activity designed to develop and maintain an individual's knowledge of their assigned ERO duties. The walkthrough is normally conducted in the emergency response facility, and includes discussion or demonstration of the appropriate facility activation, staffing, and organizational responsibilities for the individual's assigned ERO position.

5.0 RESPONSIBILITY AND AUTHORITY

5.1 MANAGER, TRAINING AND EMERGENCY PLANNING

The Manager, Training and Emergency Planning is responsible for the overall implementation of the requirements set forth in this procedure.

5.2 MANAGER, EMERGENCY PLANNING

The Manager, Emergency Planning is responsible for implementing the requirements set forth in this procedure. This includes the 10CFR50.54(q) and NUREG-0654 reviews of changes to the Emergency Plan, evaluation of drill/exercise results, and identifying the training requirements for personnel assigned to the Emergency Response Organization.

5.3 EMERGENCY PLANNERS/EP TRAINER

The Emergency Planners/EP Trainer have the responsibility for:

- 5.3.1 Assuring that the administrative program elements are addressed.
- 5.3.2 Scheduling initial training and requalification training.
- 5.3.3 Collecting and forwarding to the ANO records management system appropriate training documentation and for providing training to personnel in the Emergency Response Organization.

6.0 INSTRUCTIONS

6.1 OBJECTIVES

Objectives of the Emergency Response Training Program:

- 6.1.1 To ensure that emergency response personnel are trained to function efficiently under adverse conditions in accordance with the Emergency Plan and associated Implementing Procedures.

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6.1.2 To provide initial training, requalification training and Emergency Plan update training to ensure that personnel are familiar with their duties and responsibilities assigned by the Emergency Plan and Implementing Procedures.

[6.2 General Employee Training (GET)

Individuals receiving training for unescorted access into the plant shall be given initial training and retraining in the Emergency Plan and Procedures under the GET Program (1063.007). Individual responsibilities, assembly areas and alarms should be stressed.]

6.3 EMERGENCY RESPONSE TRAINING (INITIAL)

[6.3.1 Personnel proposed for assignment to positions in the Emergency Response Organization will be formally notified in writing by the Manager, Emergency Planning. Upon notification of the proposed assignment, personnel shall be scheduled to receive classroom training in courses as specified in Attachment 1. This course work should be completed within six months of notification, so that a formal "Letter of Assignment" can be issued. In addition, these individuals shall participate in a facility walkthrough prior to assignment.]

NOTE

If any ERO member is being reassigned to a new position within the Emergency Response Organization, all matrix training previously taken by that individual will apply toward the initial training requirements for the new position. Individuals that have been removed from the ERO for more than 1 calendar year shall complete all training courses designated by "Attachment 1" before receiving a "Letter of Assignment".
[Emergency Response Training shall be evaluated in accordance with Quality Assurance procedures.]

6.3.2 Individuals who fail to pass Initial Training shall receive remediation which may include remedial training and/or re-examination. This is to be documented using form 1064.022G.

6.4 EMERGENCY RESPONSE REQUALIFICATION TRAINING

6.4.1 [ERO requalification training will be conducted so that ERO position personnel will maintain the required level of proficiency, skills and knowledge pertaining to their assigned duties and responsibilities]. Course material provided during requalification training will be determined based upon previous drill/training evaluations and ERO personnel needs. This training will be provided to ensure understanding of the course material indicated on Attachment 1.

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6.4.2 [Individuals assigned to an ERO position should complete the following requirements annually:]

A. Attachment 1

1. Classroom training or
2. Self-study training (e.g., computer-based training, ERO Workbook, etc.)

B. Participate in at least one (1) drill, facility walkthrough, Table Top Drill or exercise.]

6.4.3 Individuals who fail to complete requalification training as specified in 6.4.2 above will be allowed until the end of the first quarter of the following year to make up the required training. If an individual fails to complete training requirements by the end of the first quarter of the following year, they shall be suspended as specified in 6.4.4 or terminated from the ERO.

Individuals who fail to pass required requalification training shall receive remediation which may include remedial training and/or re-examination. Refer to Procedure 1064.022, "Development, Administration and Control of Examinations" for established methods of documenting remedial training corrective action.

6.4.4 Conditions of Suspension/Termination

Individuals that have been suspended or terminated shall not perform during emergencies and exercises in assigned ERO positions or carry ERO pagers until the required training is completed. They may perform in assigned ERO positions during drills or other practical training activities.

6.4.5 Reinstatement of Suspended ERO Members

Upon completion of deficient course work, the suspended ERO member will be reinstated into their former ERO position.

6.5 EMERGENCY RESPONSE TRAINING (UPDATE)

6.5.1 This training shall be given each calendar year when changes to the Emergency Plan or the Emergency Plan Implementing Procedures have been made. These changes may be taught by using either Required Reading Read and Signs, drills, facility walkthrough, inclusion in workbooks, classroom instruction, or computer-based training. If the Emergency Plan is not revised during the current calendar year, and no procedure revisions were implemented that affect an ERO position, personnel in that position should be given credit for Update training. This training is part of ERO Requalification Training and is taught in accordance with Attachment 1.

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6.6 EMERGENCY PLAN TRAINING GRIDELINES:

- 6.6.1 Lesson plans should be developed for formal classroom training sessions.
- 6.6.2 Attendance shall be taken for classroom training sessions.
- 6.6.3 Emergency Response Training shall be evaluated in accordance with quality assurance procedures.

6.6.4 Examinations

At the conclusion of training courses, an examination may be administered to evaluate trainee progress. Other methods of evaluating the knowledge level of ERO personnel may be used if approved by the Manager, Emergency Planning (e.g., performance-based evaluations).

Sessions held primarily for information such as reading and understanding procedures or organizational responsibilities do not typically require a formal examination.

- A. A minimum score of 80% overall will be considered a passing grade on administered examinations.
- B. A minimum score of 80% overall will be considered a passing grade on a position workbook. Workbooks used for requalification training are not treated as examination. The use of reference material is not only allowed, but is encouraged to reinforce familiarity.
- C. A score of less than 80% in A or B above will constitute a failing grade. Each failure will be evaluated on an individual basis and recommendations made for additional training/retraining and or re-examination.

6.6.5 Exemptions

The Vice President, Operations or his designee may authorize exemptions from the requirements of this procedure.

[6.7 TRAINING FOR EMERGENCY PLANNING STAFF

- 6.7.1 The Manager, Emergency Planning and Emergency Planners shall attend, as available, at least one annual training session for professional development to enhance emergency planning skills.
- 6.7.2 Individuals assigned to a position in the Emergency Response Organization and who also teach Emergency Response Training are allowed attendance credit for classes that they teach. These trainers are not required to take any associated examinations.]

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[6.8 OFFSITE TRAINING

6.8.1 Training for offsite (non-ANO personnel) emergency response personnel is conducted primarily by the Arkansas Department of Health's Nuclear Planning and Response Program staff. This training is described in Attachment 2, "Description of Offsite Training." The following documentation is kept on file in their office:

- A. Attendance Rosters
- B. Training Course Curriculum

6.8.2 In addition to Attachment 2, offsite emergency response personnel (i.e. local government officials and Arkansas Department of Health officials) should receive the following training:

- A. [Annual review of the Emergency Action Levels.]
- B. Annual review of applicable implementing procedures (to include procedures for notification and, where applicable, site access procedures and identification of coordination personnel).]

[6.8.3 The Pope County Emergency Medical Service and London Fire Department will be invited to participate in site specific emergency response training sessions provided by ANO personnel. These training sessions should include:

- A. Procedures for notifications
- B. Basic radiation protection
- C. Site Access procedures
- D. Emergency Response functions]

[6.8.4 The following training shall be conducted:

- A. Professional medical consultants shall receive training in the treatment of patients that are contaminated and/ or overexposed.
- B. London Fire Department personnel shall be annually invited to participate in a fire emergency drill.]

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[6.8.5 General Public

- A. Training of the public on how they should respond in the event of an emergency at ANO is primarily conducted by the state and local governments.
- B. At least annually ANO shall assist in these efforts by providing information to the Nuclear Planning and Response Program for dissemination to the population within approximately 10 miles of ANO regarding how they will be notified and what their actions should be in an emergency. This information includes the following:
 - 1. Educational information on radiation,
 - 2. Sheltering,
 - 3. Evacuation routes, and
 - 4. Contact for additional information.]

[6.8.6 News Media

A program shall be conducted annually to acquaint the media with the Emergency Plan, information concerning radiation, and points of contact for release of public information in the event of an emergency.]

6.9 DRILLS AND EXERCISES

NOTE

Federal, State, and local governments shall be invited to observe and critique scheduled exercises.

6.9.1 Drills and exercises should be conducted in the following manner:

- A. A scenario shall be prepared prior to the drill or exercise. The scenario should be as realistic as possible and should include the following items:
 - 1. Objective(s)
 - 2. Participating organizations
 - 3. Chronology of events
 - 4. A time schedule of real and simulated initiating events
 - 5. A narrative summary describing the simulated events and the appropriate responses and actions
 - 6. Arrangements for drill controllers and evaluators

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- B. Evaluators shall be assigned to view and critique the drill or exercise. [The evaluators shall make on-the-spot corrections of any erroneous performance identified (drills only).] Their critique shall be conducted as soon as practical after the drill or exercise.
- C. A review/evaluation should result from the exercise and drill critique. The review should include an evaluation of any weaknesses identified and recommended corrective actions.
- D. Appropriate action shall be taken to make improvements, as necessary.
- E. Table Top Drills may include any or all of the components recommended in items A-D above. Table Top Drills typically include a scenario-based situation to which ERO personnel can respond, and which provides opportunities for them to interact with other personnel in their Emergency Response Facility. In addition, improper responses can be corrected at the time they are made, and may be evaluated to determine if they are programmatic in nature.

6.9.2 Exercises

At least biennially, local and state agencies shall be invited to participate in an exercise with the ANO staff. The scenarios for exercises shall be varied such that the major elements of the Emergency Plan and emergency response organizations are tested within a six (6) year period. The exercise will attempt to include mobilization of state and local personnel and resources adequate to verify the capability to respond to the accident scenario, as required. Provisions shall be made to start an exercise between 6 p.m. and 4 a.m. once every six (6) years.]

6.9.3 Drills

The following types of drills shall be conducted (in addition to the biennial exercise) at the indicated frequency:

- A. Fire Emergency (Fire Brigade) - Fire Brigade Drills are conducted in accordance with 1063.020, "Fire Brigade Training Program".
- B. Medical Emergency (annually) - This drill requires activation of the Emergency Medical Team and, if feasible, transportation by the Pope County Emergency Medical Service of a simulated injured individual to the offsite medical treatment facility and activation of the offsite medical treatment facility. The offsite portions of the medical drill may be performed as part of an exercise.

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[C. Radiological Monitoring Drills - Reference NUREG-0654 II.N.d - These drills may be done independently or they may be included in any of the regularly scheduled ERO Drills.

1. Environmental Monitoring Drills are conducted annually. These drills include collecting environmental samples, actual analysis of the samples and documentation of analysis results for water, soil, vegetation and air samples.
2. In-plant Monitoring Drills are conducted annually and include detection and measurement of simulated inplant radiological conditions. These measurements of simulated elevated radioactive releases are reported to the appropriate person, the results are evaluated and appropriate protective/corrective actions are recommended.]

[D. Health Physics Drills - Reference NUREG-0654 II.N.e - These drills may be done independently or they may be included in any of the regularly scheduled ERO Drills.

1. Field Monitoring Drills are conducted semi-annually. These drills include assessment of simulated elevated radiological releases to the environment and response to radiological conditions. Direct radiation readings and air samples of a simulated radioactive releases offsite are taken, results are reported to the appropriate ERO position, the results are evaluated and appropriate protective/corrective actions are recommended.
2. Post Accident Sampling Drills are conducted annually - These drills include sampling and analysis of inplant liquid with actual elevated radiation levels. RCS samples may be used as the actual elevated sample. The samples are taken, results are reported to the appropriate ERO position, the results are evaluated and appropriate actions are recommended.]

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[E. Radiological Dose Assessment (annually) - A radiological dose assessment drill utilizing simulated field monitoring data shall be conducted annually. The drill may be in conjunction with a health physics drill and will address dose projection calculations and offsite Protective Action Recommendations.

1. Dose Assessment activities will be included in the full-scale Emergency Response Organization Drills for the purpose of providing Dose Assessment Team members and Dose Assessment Supervisors with practical applications of Dose Assessment skills. These activities will be in addition to the scheduled exercises.]

F. Communication - Communication drills shall be conducted in the following areas along with the corresponding time frames.

1. Monthly - With the state and local governments within the plume exposure pathway emergency planning zone.
2. Quarterly - With federal emergency response organizations and states within the ingestion pathway.
3. Annually - Between the nuclear facility, state and local emergency operations centers, and field assessment teams.

[G. Emergency Response Organization Drills - Drills shall be conducted for the Emergency Response Organization at least four (4) times each calendar year.]

H. The above drills may be conducted as individual drills or as an integrated part of a larger scope drill activity.

6.10 DOCUMENTATION OF DRILLS

- 6.10.1 Documentation for emergency response offsite training (Non-ANO personnel) is maintained by the Arkansas Department of Health's Nuclear Planning and Response Program Office.
- 6.10.2 Documentation of fire emergency (fire brigade) drills will be in accordance with 1063.020, "Fire Brigade Training Program".

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6.10.3 Documentation for the following drills is the responsibility of the Manager, Emergency Planning. Records of these drills are entered on the ANO Records Management System.

- A. Medical Emergency
- B. [Radiological Monitoring]
- C. Semi-annual Health Physics
- D. Radiological Dose Assessment
- E. Communications

7.0 ATTACHMENTS AND FORMS

7.1 ATTACHMENTS

- 7.1.1 Attachment 1 - "Emergency Response Organization (ERO) Position/TUOI Training Matrix"
- 7.1.2 Attachment 2 - "Description of Offsite Training"

7.2 FORMS

- 7.2.1 None

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Attachment 1
Emergency Response Organization (ERO)
Position/TUOI Training Matrix
and TUOI Listing

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Attachment 1
Position/TUOI Training Matrix
ANO-S-LP-EP-A00

| Position | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 21 | 22 | 23 | 24 | 25 | 26 | 31 | 32 | 44 | 45 | 60 | 62 | 63 | 71 | 72 | 73 | 81 | 82 | 83 | SAMG* |
|---------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
| NOTIF. | X | X | X | X | | X | | | | X | X | | | X | | X | X | | | | | | | | X | X | |
| STS.BRD | X | X | X | | | X | | | | X | X | | | X | | X | X | | | | | | | | | X | |
| Shift Eng. | X | X | X | | | X | | X | | X | X | | | X | | X | X | | | | | | | | X | | X |
| Shift Mgr. | X | X | X | X | X | X | X | X | | X | X | X | | X | | X | X | | X | | X | | | X | X | | X |
| AA Mgr. | X | X | X | X | X | X | | | | X | X | | | X | | X | X | | X | | | | | X | | X | |
| Comm. Mgr. | X | X | X | X | X | X | | | X | X | X | | | X | | X | X | | | | | | | | | X | |
| Comm. Lia. | X | X | X | X | X | X | | | | X | X | | | X | | X | X | | | | | | | | | X | |
| DAT | X | X | X | | | X | | | | X | X | X | | X | | X | X | | | X | | | | | | X | |
| IDA | X | X | X | | | X | | | | X | X | X | | X | | X | X | | | X | | | | | | X | |
| DAS | X | X | X | X | | X | | | | X | X | | | X | | X | X | | | X | | | X | | | X | |
| BOF Director | X | X | X | X | X | X | X | | X | X | X | X | | X | X | X | X | | X | | | | | X | X | | X |
| BOF HP S | X | X | X | | | X | | | | X | X | | | X | | X | X | | | | | | | | | X | |
| BOF MC | X | X | X | | X | X | | | | X | X | | | X | | X | X | | | | | | | | | X | |
| BOF SS | X | X | X | X | X | X | | | | X | X | | | X | | X | X | | | | | | | | | X | |
| ERT | X | X | X | | | X | | | | X | X | X | | X | | X | X | | | | X | X | X | | | X | |
| OMS | X | X | X | | | X | | | | X | X | X | | X | | X | X | | X | | X | | X | | | X | |
| REAM Asst. | X | X | X | X | X | X | | | | X | X | X | | X | | X | X | | | X | | | X | | | X | |
| REAM | X | X | X | X | X | X | | | | X | X | X | | X | | X | X | | | X | | | X | | | X | |
| Supp. Mgr. | X | X | X | X | X | X | | | | X | X | | | X | | X | X | | | | | | | | | X | |
| EM Supv. | X | X | X | | | X | X | | | X | X | X | | X | | X | X | | | | | | | | | X | |
| I&C Supv. | X | X | X | | X | X | | | | X | X | X | | X | | X | X | | | | | | | | | X | |
| MNT. Supt. | X | X | X | | X | X | | | | X | X | X | | X | | X | X | | | | | | | | | X | |
| MM Supv. | X | X | X | | X | X | | | | X | X | X | | X | | X | X | | | | | | | | | X | |
| EMT | X | X | X | | X | X | | X | | X | X | X | | | | X | X | | | | | | | | | X | |
| NCHEM Mgr. | X | X | X | | X | X | | | | X | X | X | | X | | X | X | | X | | | | | | | X | |
| OSC Director | X | X | X | X | X | X | | X | | X | X | X | | X | | X | X | | | | | | | | | X | |
| OSC HPS | X | X | X | | X | X | | | | X | X | X | | X | | X | X | | | | X | | | | | X | |
| Eng. Mgr. | X | X | X | X | | X | | | | X | X | X | | X | | X | X | | | | | | | | | X | |
| Maint. Mgr. | X | X | X | X | | X | | | | X | X | X | | X | | X | X | | | | | | | | | X | |
| Ops Mgr. | X | X | X | X | | X | | | | X | X | X | | X | | X | X | | | | | | | X | | | X |
| RPRW Mgr. | X | X | X | X | X | X | | X | | X | X | X | | X | | X | X | | | | X | | | | | X | |
| TSC Director | X | X | X | X | X | X | X | X | | X | X | X | | X | | X | X | | | | X | | | X | X | | X |
| TSC SS | X | X | X | X | | X | | | | X | X | X | | X | | X | X | | | | | | | | | X | |
| EP Duty | | | | | | | | | | | | | | | | | X | X | | | | | | | | X | |
| Eng. Supp.TSC | X | X | X | | | X | | | | | | | X | | | | X | | | | | | | | | X | |
| Eng. (All) | X | X | X | | | X | | | | | | | X | | | | | | | | | | | | | X | |
| SRO | X | X | X | X | X | X | X | X | | X | X | X | | X | | | | | X | | X | | | X | X | | X |
| RO | X | X | X | X | X | X | | | | X | X | X | | X | | | | | X | | | | | | X | X | |

*Severe Accident Course, "SAMG", taught by Operations Training.

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Attachment 1
EMERGENCY RESPONSE ORGANIZATION TUOI LISTING

| | |
|--------------------|--|
| ANO-S-LP-EP-A0011 | Emergency Response/Support Organization |
| ANO-S-LP-EP-A0012 | Emergency Response Facilities |
| ANO-S-LP-EP-A0013 | Overview Emergency Plan and EPIP's |
| ANO-S-LP-EP-A0014 | Role of the NRC |
| ANO-S-LP-EP-A0015 | Emergency Interface Agreement |
| ANO-S-LP-EP-A0016 | Scenario/Exercise Rules and Guidelines |
| ANO-S-LP-EP-A0017 | Turnover of Responsibilities |
| ANO-S-LP-EP-A0021 | Medical Emergencies |
| ANO-S-LP-EP-A0022 | Dealing with the Media - offered upon recommendation, provided by Corporate Communications |
| ANO-S-LP-EP-A0023 | Emergency Security Procedures |
| ANO-S-LP-EP-A0024 | Evacuation |
| ANO-S-LP-EP-A0025 | Reentry for Recovery |
| ANO-S-LP-EP-A0026 | EP Training for Engineers |
| ANO-S-LP-EP-A0031 | Communications |
| ANO-S-LP-EP-A0032 | Emergency Systems Review - offered upon recommendation, normally taught by Operations |
| ANO-1-LP-EP-A0033 | Emergency Systems Review U1- normally taught by Operations |
| ANO-2-LP-EP-A0034 | Emergency Systems Review U2- normally taught by Operations |
| ANO-S-LP-EP-A0041 | Controller/Evaluator Training |
| ANO-S-DRL-EP-A0042 | Detection and Classification Drill (Simulator drill) |
| ANO-S-LAB-EP-A0043 | Dose Assessment Practice - archived |
| ANO-S-DRL-EP-A0044 | Walkthrough/Drill - for records entry |
| ANO-S-LP-EP-A0045 | ERF Walkthrough |
| ANO-S-LP-EP-A0060 | Duty Emergency Planner |
| ANO-S-LP-EP-A0062 | Offsite Dose Consequences |
| ANO-S-LP-EP-A0063 | Dose Assessment Training |
| ANO-S-LP-EP-A0071 | Onsite Radiation Monitoring Team |
| ANO-S-LP-EP-A0072 | Non-routine Equipment |
| ANO-S-LP-EP-A0073 | Radiological Field Monitoring |
| ANO-S-LP-EP-A0079 | ERT Training - records entry only |
| ANO-S-LP-EP-A0081 | EAL Class - normally taught by Operations |
| ANO-S-LP-EP-A0082 | Emergency Response/Notification |
| ANO-S-CBT-EP-A0083 | Severe Accident Management (Overview) |
| ANO-1/2-SAMG (OPS) | Severe Accident Management (In-Depth) - Operations SAMG Course |
| ANO-S-LP-EP-A0091 | Update Training - everyone gets update training |
| ANO-S-OTH-EP-A0092 | Remediation Training |
| ANO-S-RR-EP-A0093 | Emergency Plan Required Reading |
| ANO-S-OTH-EP-A0094 | Misc. Emergency Plan Training |
| ANO-S-WBK-EP-ERORQ | ERO Qualification Workbook Tracking |

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EMERGENCY MEDICAL TEAM TUOI LISTING

| | |
|--------------------|--|
| ANO-S-LP-MT-I0001 | The First Responder |
| ANO-S-LP-MT-I0002 | Overview: the Human Body |
| ANO-S-LP-MT-I0003 | Diagnostic Signs and Patient Assessment |
| ANO-S-LP-MT-I0004 | Bleeding and Shock |
| ANO-S-LP-MT-I0005 | Injuries: Soft Tissues and Internal Organs |
| ANO-S-LP-MT-I0006 | Injuries to the Extremities |
| ANO-S-LP-MT-I0007 | Splinting the Extremities |
| ANO-S-LP-MT-I0008 | Injuries to the Skull, Spine, and Chest |
| ANO-S-LP-MT-I0009 | Medical Emergencies |
| ANO-S-LP-MT-I0010 | Poisons and Drugs |
| ANO-S-LP-MT-I0011 | Moving Patients |
| ANO-S-LP-MT-I0012 | Burns and Exposure to Heat and Cold |
| ANO-S-LP-MT-I0013 | Triage |
| ANO-S-LP-MT-I0014 | Aids to Resuscitation |
| ANO-S-LP-MT-S0001 | Overview of Confined Space Rescue |
| ANO-S-LP-MT-S0002 | Infectious Disease Control |
| ANO-S-LP-MT-S0003 | Handling the Chemically Contaminated Patient |
| ANO-S-LP-MT-S0004 | Emergency Medical Team Scene Leader |
| ANO-S-LP-MT-S0006 | Healthcare Provider Course-CPR |
| ANO-S-LP-MT-S0007 | Radiologically Contaminated Patient |
| ANO-S-LP-HZM-I2001 | Hazardous Materials Operations |
| ANO-S-LP-HZM-C2004 | Hazardous Material Operations Level - Annual Refresher |

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ATTACHMENT 2

DESCRIPTION OF OFFSITE TRAINING

Radiological Monitoring Course - The Radiological Monitoring Course conducted in support of the offsite radiological emergency response plans is a modified version of the standard 12-hour FEMA approved Radiological Monitoring Course. Three additional hours were added to include subject matter pertaining to the radiological emergency response plans, emergency response, environmental surveillance, public information, care centers and hot-line procedures. The course is presented primarily to law enforcement, fire departments and volunteer groups.

Management of Persons Contaminated with Radioactive Material - This training course is approximately 16 hours in duration and is presented to the hospital emergency room staff members and ambulance services who may have a direct support function in the event of an incident at Arkansas Nuclear One. The course includes information concerning emergency response plans, warning system, basic concepts of radiation protection, nuclear radiation, contamination vs. exposure, units and standards, nuclear power plants, personnel dosimetry, radiological detection equipment, dress out techniques, hot-line procedures, decontamination procedures, disposal of contaminated material and emergency handling of radiation accident cases.

Radiological Monitoring (Refresher Training) - The refresher training program is a four (4) hour training program. The program is a review of the Radiological Monitoring Course program with emphasis on radiological detection equipment and area and personnel monitoring.

Management of Persons Contaminated with Radioactive Material (Refresher Training) - The refresher training program is a four (4) hour training program. The program is a review of the 16-hour program with emphasis on changes to emergency response plans, radiological detection equipment, hot-line procedures and decontamination procedures.

School Presentations - A video presentation is made for the purpose of showing students what they should do in the event of an emergency evacuation.

Congregate Lodging Facilities: (Care Center) the Congregate Lodging Facility Training Program is eight (8) hours in duration and is presented to the Care Center Managers and Staff. The course includes information concerning the establishment and operations of a lodging facility for potential evacuees around ANO. The standard American Red Cross material plus FEMA approved material is used in the conduct of this course. In addition to the congregate lodging facility management procedures additional information concerning radiation, decontamination and hot line procedures are included.

Informational Programs on the Nuclear Planning and Response Program (NP&RP) - The length of program is adjusted according to the needs of the audience. The program is designed to inform the public on the off-site activities of NP&RP. Includes information on the emergency plans, warning systems, environmental surveillance, public information and emergency role in the event of an incident.