

Thursday, February 08, 2001

Document Update Notification

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DOCUMENT NO: OP-1063.021

TITLE: EMERGENCY RESPONSE TRAINING
PROGRAM

REVISION NO: 023-02-0

CHANGE NO: PC-02

SUBJECT: PERMANENT CHANGE (PC)



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ANO-1 Docket 50-313



ANO-2 Docket 50-368

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ENTERGY OPERATIONS INCORPORATED ARKANSAS NUCLEAR ONE

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TITLE: Emergency Response Training Program SET # 103	PROC/WORK PLAN NO. 1063.021	CHANGE NO. 023-02-0
	WORK PLAN EXP. DATE n/a	TC EXP. DATE n/a
	SAFETY-RELATED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	IPTE <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
	TEMP ALT <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	

When you see these <u>TRAPS</u> <ul style="list-style-type: none"> 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) 	Get these <u>TOOLS</u> <ul style="list-style-type: none"> Effective Communication Questioning Attitude Placekeeping Self Check Peer Check Knowledge Procedures Job Briefing Coaching Turnover
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VERIFIED BY	DATE	TIME

FORM TITLE: <div style="text-align: center; font-weight: bold; margin-top: 5px;">VERIFICATION COVER SHEET</div>	FORM NO. 1000.006A	CHANGE NO. 048-00-0
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TITLE:Emergency Response Training Program		PROC/WORK PLAN NO. 1063.021	CHANGE NO. 023-02-0
<input checked="" type="checkbox"/> PROCEDURE <input type="checkbox"/> WORK PLAN, EXP. DATE <u>n/a</u>		PAGE <u>1</u> OF <u>2</u>	
TYPE OF CHANGE: <input type="checkbox"/> NEW <input type="checkbox"/> REVISION <input checked="" type="checkbox"/> PC <input type="checkbox"/> TC <input type="checkbox"/> DELETION Procedure or Work Plan <input type="checkbox"/> EZ EXP. DATE: <u>n/a</u>			
AFFECTED SECTION: (Include step # if applicable)		DESCRIPTION OF CHANGE: (For each change made, include sufficient detail to describe reason for the change.)	
Table of Contents		Deleted section 6.7, 6.8, 6.9, 6.10 and 7.1.2. These sections were moved to procedure 1903.004.	
Section 3.2 Commitments		Deleted P-10833, P-10860, P-10769, P10770, P10771, P-10772, P-4109, P-10872, P-1465 and moved to procedure 1903.004. Removed parts of P-4175, P-4822 and P-10866 and moved to Procedure 1903.004.	
4.0 Definitions		Unbolded all definitions. Commitments are in the instructions of the procedure.	
Section 5.0 Step 5.1		Changed "Manager, Training and Emergency Planning" to "Manager Training and Development".	
Section 5.0 Step 5.2		Deleted "This includes the 10CFR50.54q and NuReg 0654 review of changes to the Emergency Plan, evaluation of drill/exersice results, an identifying the training requirements for personnel assigned to the Emergency Response Organization." Moved this statement to procedure 1903.004.	
Section 5.0 Step 5.3		Deleted "Emergency Planners" from title.	
Section 6.3 Note following step 6.3.1		Deleted note and changed the contents of the note into steps. 6.3.2 and 6.3.3. Deleted "Emergency Response Training shall be evaluated in accordance with Quality Assurance procedures."	
Section 6.7 - 6.10		Deleted section 6.7, 6.8, 6.9 and 6.10. Moved entire contents to procedure 1903.004: Training for Emergency Planning Staff Offsite Training, Drills and Exercises, Documentation of Drills	
Section 7.0 step 7.1.2		Deleted step 7.1.2, "Attachment 2 - "Description of Offsite Training." Moved to procedure 1903.004.	
Attachment 1 Page 2		Deleted "ANO-S-LP-EP-A0023, Emergency Security Procedures" Added "ANO-S-LEC-EP-ERORQ, ERO Requalification Training"	
Attachment 1 page 3		Deleted REAM Asst. requirements. Deleted lesson plan 23. Deleted lesson plan requirements for the following positions: SE - SAMG, Added 83, DAT - deleted 24, IDA - deleted 24, ERT - deleted 24, EM Supv - deleted 24, I&C Supv - deleted 24, MNT Supt - deleted 24, MM Supv - deleted 24, EMT - deleted 24, RO - deleted 14, 24, 62, 82	
Attachment 2		Deleted entire attachment, moved to procedure 1903.004	
FORM TITLE:		FORM NO. 1000.006C	CHANGE NO. 048-00-0
DESCRIPTION OF CHANGE			

ENTERGY OPERATIONS INCORPORATED
ARKANSAS NUCLEAR ONE

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TITLE: Emergency Response Training Program

PROC/WORK PLAN NO.
1063.021

CHANGE NO.
023-02-0

☒ PROCEDURE

☐ WORK PLAN, EXP. DATE n/a

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TYPE OF CHANGE:

☐ NEW

☐ REVISION

☒ PC

☐ TC

☐ DELETION

Procedure or Work Plan

☐ EZ

EXP. DATE: n/a

AFFECTED SECTION:
(Include step # if
applicable)

Step 6.5.1

Step 6.5.1

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

Added "and a training analysis indicates that training is required."

Deleted "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 Re-qualification Training and is taught in accordance with Attachment 1."

FORM TITLE:

DESCRIPTION OF CHANGE

FORM NO.
1000.006C

CHANGE NO.
048-00-0

PROC./WORK PLAN NO. 1063.021	PROCEDURE/WORK PLAN TITLE: EMERGENCY RESPONSE TRAINING PROGRAM	PAGE: 1 of 11 CHANGE: 023-02-0
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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"

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

- 3.2.1 0CAN128305 (P-4175) Clarify the Initial Training and annual retraining requirements. Describe the assignment of specific responsibility for training duties, the initial and annual retraining of ANO site personnel. Sections 6.3.1, 6.4.1

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3.2.2 OCAN058203 (P-10866) A program for training emergency response personnel has been developed and implemented. Lesson plans are available for a portion of the training which has been conducted. Sections 6.2 and 6.4.2

3.2.3 OCAN098106 (P-4822) Offsite Monitoring Teams re-qualification training consists of practical training sessions for the monitoring team members. Re-qualification training will be accomplished on an annual basis. Functional training will take place prior to assignment for team duty. Section 6.3.1, 6.4.2

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 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.

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- 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 re-qualification 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.)
- 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 DEVELOPMENT

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

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5.2 MANAGER, EMERGENCY PLANNING

The Manager, Emergency Planning is responsible for implementing the requirements set forth in this procedure.

5.3 EP TRAINER

The EP Trainer has the responsibility for:

- 5.3.1 Assuring that the administrative program elements are addressed.
- 5.3.2 Scheduling initial training and re-qualification 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.
- 6.1.2 To provide initial training, re-qualification 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.

(P-10866)

[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)

(P-10866)

(P-4175)

(P-4822)

- [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.]
- 6.3.2 For ERO members being reassigned to a new position within the Emergency Response Organization, all matrix training

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previously taken by that individual will apply toward the initial training requirements for the new position.

- 6.3.3 ERO members 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".
- 6.3.4 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

- (P-4175) 6.4.1 [ERO re-qualification 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 re-qualification 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.

- (P-10866)
(P-4822) [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 re-qualification 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 re-qualification 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.

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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 and a training analysis indicates that training is required. 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.

6.6 EMERGENCY PLAN TRAINING GUIDELINES:

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.

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(6.6.4 cont.)

- B. A minimum score of 80% overall will be considered a passing grade on a position workbook. Workbooks used for re-qualification 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.

7.0 ATTACHMENTS AND FORMS

7.1 ATTACHMENTS

- 7.1.1 Attachment 1 - "Emergency Response Organization (ERO) Position/TUOI Training Matrix"

7.2 FORMS

- 7.2.1 None

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

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 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-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
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 Requalification Workbook Tracking
ANO-S-LEC-EP-ERORQ	ERO Requalification Training

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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	24	25	26	31	32	44	45	60	62	63	71	72	73	81	82	83	SAMG*
Notif. Communicator	X	X	X	X		X				X			X		X	X								X	X	
Status Board Comm.	X	X	X			X				X			X		X	X									X	
Shift Engineer	X	X	X			X		X		X			X		X	X								X	X	
Shift Manager	X	X	X	X	X	X	X	X		X	X		X		X	X		X		X			X	X		X
Acc. Assmt. Manager	X	X	X	X	X	X				X			X		X	X		X					X		X	
Comm. Manager	X	X	X	X	X	X			X	X			X		X	X									X	
Comm. Liaison	X	X	X	X	X	X				X			X		X	X									X	
Dose Assessment Team	X	X	X			X					X		X		X	X			X						X	
Initial Dose Assmt.	X	X	X			X					X		X		X	X			X						X	
Dose Assmt. Supv.	X	X	X	X		X				X			X		X	X			X			X			X	
EOF Director	X	X	X	X	X	X	X		X	X	X		X	X	X	X		X					X	X		X
EOF HP Supv	X	X	X			X				X			X		X	X									X	
EOF Maint. Coord.	X	X	X		X	X				X			X		X	X									X	
EOF Support Supt.	X	X	X	X	X	X				X			X		X	X									X	
Emerg. Rad. Team	X	X	X			X					X		X		X	X				X	X	X			X	
Offsite Monit. Supv.	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	
Support Manager	X	X	X	X	X	X				X			X		X	X									X	
Elect. Maint. Supv.	X	X	X		X	X					X		X		X	X									X	
I&C Supv.	X	X	X		X	X					X		X		X	X									X	
Maint. Supt.	X	X	X		X	X					X		X		X	X									X	
Mech. Maint. Supv.	X	X	X		X	X					X		X		X	X									X	
Emerg. Medical Team	X	X	X		X	X		X			X				X	X									X	
NCHEM Manager	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	
OSC HP Supv.	X	X	X		X	X				X	X		X		X	X				X					X	
Engineering Manager	X	X	X	X		X				X	X		X		X	X									X	
Maint. Manager	X	X	X	X		X				X	X		X		X	X									X	
Ops Manager	X	X	X	X		X				X	X		X		X	X							X			X
RP&RW Manager	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
TSC Support Supt.	X	X	X	X		X				X	X		X		X	X									X	
EP Duty																X	X								X	
Eng. Support TSC	X	X	X			X						X				X										X
Engineering (All)	X	X	X			X						X													X	
SRO	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	

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