



Entergy Operations, Inc.
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September 18, 2003

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Subject: Changes to Emergency Plan Implementing Procedures – September 18, 2003

Grand Gulf Nuclear Station
Docket No. 50-416
License No. NPF-29

GNRO-2003/00052

Ladies & Gentlemen:

Entergy Operations, Inc. submits in accordance with 10CFR50 Appendix E, Section V changes to the following Emergency Plan Implementing Procedure:

TQ-110, Rev. 3

This letter does not contain any commitments.

Yours truly,

A handwritten signature in black ink, appearing to read "CAB", with a long horizontal flourish extending to the right.

Charles A. Bottemiller,
Licensing Manager

MJL

attachment: 1. Procedure TQ-110
cc: (See Next Page)

September 18, 2003


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cc:

Hoeg	T. L.	(GGNS Senior Resident)	(w/a)
Levanway	D. E.	(Wise Carter)	(w/a)
Reynolds	N. S.		(w/a)
Smith	L. J.	(Wise Carter)	(w/a)
Thomas	H. L.		(w/o)

U.S. Nuclear Regulatory Commission ATTN: Mr. Thomas P. Gwynn (w/2) 611 Ryan Plaza Drive, Suite 400 Arlington, TX 76011-4005	ALL LETTERS
U.S. Nuclear Regulatory Commission ATTN: Mr. Bhalchandra Vaidya, NRR/DLPM (w/2) ATTN: FOR ADDRESSEE ONLY ATTN: U.S. Postal Delivery Address Only Mail Stop OWFN/7D-1 Washington, D.C. 20555-0001	ALL LETTERS – U.S. POSTAL SERVICE MAIL DELIVERY ADDRESS ONLY

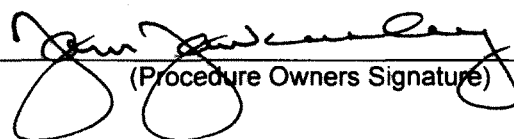
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Title: **Emergency Preparedness Training Program**

<u>Reviews</u>	<u>Required</u>
Cross Discipline Review	<u>No</u>
Code Reviews:	
10CFR50.59 Review	<u>yes</u>
10CFR50.54 Review	<u>yes</u>
Environmental Qualification	<u>No</u>
On-Site Safety Review Committee Reviews	<u>No</u>

Procedure Owner: Tom Tankersley / Manager, Training and Development

Approved:


 (Procedure Owners Signature)

9/12/03

(Date)

Effective Dates:	<u>9-15-03</u>	<u>9-15-03</u>	<u>9-15-03</u>	<u>9-15-03</u>	<u>NA</u>
	<u>ANO</u>	<u>GGNS</u>	<u>RBS</u>	<u>W3</u>	<u>Echelon</u>

New Procedure/Revision/Cancellation Basis: Revision 3

Put PAT requirements in the matrices instead of the body

ANO Matrix Additions and deletions

GGNS Matrix Additions and deletions

 Makes EPTS 7 requirement one time only and deletes EPTS 2 requirement for Technical Manager and TSC Coordinator Asst.; Deletes Respirator Requirement for OSC Leads

RBS Matrix Additions and deletions

WF3 NONE



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1.0 PURPOSE

- 1.1 This procedure establishes the appropriate training and qualification requirements for Emergency Response Organization (ERO) personnel in accordance with the site Emergency Plans.

2.0 REFERENCES

- 2.1 ANO, GGNS, RBS, WF3 Emergency Plans
- 2.2 NUREG-0654 "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants"
- 2.3 Title 10, Code of Federal Regulations, Part 50(10CFR50)
- 2.3.1 Appendix E, "Emergency Planning and Preparedness for Production and Utilization Facilities"
- 2.3.2 50.47, "Emergency Plans"
- 2.4 INPO 96-009, "Maintaining Emergency Preparedness Manual"
- 2.5 Title 10, Code of Federal Regulations, Part 20, "Standards for Protection Against Radiation"
- 2.6 Entergy Nuclear Management Manual (NMM) Company Procedures
- 2.6.1 No. PL-140, "Emergency Response Organization Respiratory Protection Guidelines"
- 2.6.2 No. PL-147, "Personnel Expectations Related to Emergency Response at Entergy Nuclear Sites"
- 2.6.3 No. TQ-201, "Systematic Approach to Training Process"
- 2.6.4 No. TQ-106, "Instructor Training and Qualification Process"
- 2.6.5 No. TQ-205, "Training Exemptions"
- 2.7 Entergy Emergency Preparedness Position Papers
- 2.7.1 Position Paper No. 9, "Management and Tracking of Emergency Response Organization (ERO) Qualifications"
- 2.8 Station Procedures
- 2.8.1 ANO – 1000.015, "Station Training Program"
- 2.8.2 GGNS – 01-S-04-36, Handling of Training Documents
- 2.8.3 WF3 – NTP-003, "Training Records"

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3.0 **DEFINITIONS**

- 3.1 Annual - For the purposes of this procedure, annual is defined as that period between January 1 and December 31st of each year.
- 3.2 Credit by Examination (CBE) – Training credit given to ERO personnel for successfully completing Emergency Plan training courses by passing the examination only. CBE is only allowed under certain circumstances for experienced ERO members in accordance with station training procedures.
- 3.3 Computer Based Training (CBT) – Training provided to ERO personnel through the use of computer interaction. CBT courses may be provided to students either remotely or in a classroom setting.
- 3.4 Drill – Performance enhancing experiences that reasonably simulate the interactions between appropriate centers and/or individuals that would be expected to occur during emergencies. Drills are an ERO training activity and may be used for initial and/or re-qualification training purposes.
- 3.5 Emergency Response Organization (ERO) – Personnel who are assigned and trained to respond to emergency events and perform duties as outlined in site emergency plans.
- 3.6 Exemptions/Waivers – Emergency Preparedness Training/Qualification credit given to students/instructors implemented in accordance with NMM TQ-205, "Training Exemptions".
- 3.7 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.



3.8 Tabletop – A specialized training session conducted for an emergency response facility or group. Tabletops are seminar style meetings in a facility to discuss objectives and expectations of ERO personnel. These sessions are designed to emphasize team building and correct previously identified weaknesses.

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

4.0 RESPONSIBILITIES

4.1 Manager, Training and Development – Is responsible for providing and implementing an Emergency Preparedness Training Program and for overall performance of this program.

4.2 Manager, Emergency Preparedness – Is responsible for ensuring a comprehensive Emergency Preparedness Training Program is maintained for all offsite and onsite response personnel.

4.3 Supervisor, Technical Training - or designee is responsible for the administration of the day-to-day performance of the EP Training Program.

4.4 EP Training Instructor – Responsible for the development, scheduling, administering, and documenting of EP Training.

4.5 Emergency Response Personnel in accordance with NMM, Company Procedure, No. PL-147 will:

4.5.1 Maintain emergency response qualifications for their position including EP Training and additional specific training such as licenses, respirator qualifications, PAT, RWT, and FFD training.

4.5.2 Attend scheduled training and if unable to attend, provide prior notification to their supervisor and to the instructor.


5.0 DETAILS

5.1 Emergency Plan Training for ALL Personnel

Information on the Emergency Plan is administered as part of Plant Access Training (PAT) to all personnel (excluding visitors) coming onsite for the first time and to all personnel participating in the annual PAT retraining program. This portion of PAT meets the following objectives:

5.1.1 Trains personnel with respect to their responsibilities during an emergency situation.

5.1.2 Keeps personnel informed of any applicable changes to the Emergency Plan

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5.1.3 Instructions concerning the following will be given to all personnel participating in Plant Access Training:

- 5.1.3.1 Signals and alarms
- 5.1.3.2 Evacuation routes and procedures
- 5.1.3.3 Response during an emergency
- 5.1.3.4 Response on observing an unusual occurrence
- 5.1.3.5 Emergency classifications
- 5.1.3.6 Public relations

5.2 Prerequisites for Emergency Response Organization Personnel

- 5.2.1 Plant Access Training including Fitness for Duty is required as indicated in the matrices.
- 5.2.2 Radiation Worker Training is required for all ERO personnel, excluding News Center personnel.
- 5.2.3 Respiratory Protection Training, physical and fit test as required per NMM, Company Procedure, No.PL-140.

5.3 Initial Training for Emergency Response Organization Personnel

- 5.3.1 Individuals designated as Emergency Response Organization (ERO) personnel must be qualified in accordance with this procedure.
- 5.3.2 Requirements for each position are found in the site training matrices, Attachment 9.0.
- 5.3.3 Initial Emergency Response Organization (ERO) Training Requirements-Initial ERO training is designed to provide the necessary instruction to personnel that are assigned to the ERO, as it relates to their designated ERO position, and may include all or portions of the following course areas:
 - Essential Training (Basics of Emergency Response Organization and Facilities)
 - Facility Training
 - Position Specific Training
 - Drill, Tabletop, or Walkthrough
 - Operations Event Training

These course areas should be taught in accordance with the applicable matrix in 9.0.

- 5.3.4 Scheduling for initial training is normally coordinated between the individual and the EP Training instructor and/or through the use of "OnTrack for Training".
- 5.3.5 Evaluations are normally given to ensure adequate understanding and retention of material covered in the classroom, and/or other specific qualifying activities. Written exams require a passing score of 80% or greater. Evaluations are administered in accordance with reference 2.6.3.



5.3.5.1 Individuals who fail to pass Initial Training must be remediated which may include remedial training and/or re-examination.

5.3.6 Initial ERO training supplements the training received by personnel through their departmental training.

5.4 Re-qualification Training for ERO Personnel

5.4.1 ERO Re-qualification Training is given to reinforce Initial Training in accordance with the applicable matrix in 9.0.

5.4.2 You must attend training annually (or as indicated in the applicable matrix in 9.0) to remain qualified in your assigned position.

5.4.3 Prior to taking ERO Re-qualification Training, you must be current in Initial Training.

5.4.4 ERO Re-qualification Training Requirements – Course material provided during re-qualification training is determined from previous drill/training evaluations and ERO personnel needs. Re-qualification training course material may include information from all or portions of the following :

- Essential Training (Basics of Emergency Response Organization and Facilities)
- Facility Training
- Position Specific Training
- Drill, Exercise, or Tabletop
- Operations Event Training

These courses should be taught in accordance with the matrices in 9.0.

5.4.5 Scheduling for re-qualification training is normally coordinated between the individual and the EP Training instructor and/or through the use of "OnTrack for Training".

5.4.6 Evaluations are normally given to ensure adequate understanding and retention of material covered in the classroom, and/or other specific qualifying activities. Written exams require a passing score of 80% or greater. Evaluations are administered in accordance with reference 2.6.3.

Credit by Exam (CBE) may be given in lieu of classroom, CBT, etc. at the discretion of the instructor. Failure of CBE requires completing an initial class.

5.4.6.1 Individuals who fail to pass Re-qualification Training should be remediated the same working day. Remediation may include remedial training and/or re-examination. If remediation is not accomplished within the same working day, the failure must be reported to Emergency Preparedness as soon as possible.

5.4.6.2 All failures after attempting 5.4.6.1, must complete Initial Training Requirements.



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- 5.4.7 ERO Re-qualification Training supplements the training received by personnel through their continuing departmental training.
- 5.4.8 Consequences – If an individual fails to remain qualified in accordance with this procedure, the individual shall be disqualified from participating in the ERO.
- 5.4.9 Conditions of Disqualification – Individuals that are removed from the ERO shall not perform during emergencies and exercises in assigned ERO positions until the required qualifications are completed. They may perform in assigned ERO positions during drills or other practical training activities.
- 5.4.10 Reinstatement of disqualified ERO Members – When deficient course work/qualifications are completed IAW this procedure the member will be reinstated in their former ERO position.

5.5 Exemptions/Waivers may be granted per reference 2.6.5.

6.0 INTERFACES
None

7.0 RECORDS

- 7.1 All records shall be documented and recorded in accordance with applicable site procedures.

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Plant	Commitment Number	Requirement Name	Paragraph Number	Corp. Proc explanation
GGNS	P-22986-88	UFSAR 18.1.22.S3-5	5.3.1, 5.3.2, 5.4.8	Trng. for Mitigating Core Damage
GGNS	P-22989	UFSAR 18.1.22.S7	5.3.1, 5.3.2, 5.4.8	Trng. for Mitigating Core Damage
GGNS	P-24468	AECM-89/0202.AT.1.IV.S7	5.4.6.1, 5.5	Escalation of Deviations from Emer. Training
GGNS	P-26675	ANSI N2.3.4.5.1.S1	5.1.3.1	Evacuation Signal Testing
GGNS	P-26676	ANSI N2.3.4.5.2.S1	5.1.3.1	Evacuation Signal Testing
GGNS	P-26677	ANSI N2.3.4.5.3.S2	5.1.3.1	Evacuation Signal Testing
GGNS	P-28891	E-PLAN 6.5.1.A.5	5.1	Declared Emergency Situations
GGNS	P-28945	E-PLAN 8.2.S1	Whole procedure	Emergency Plan Training Program
GGNS	P-28946	E-PLAN 8.2.S2	Whole procedure	Emergency Plan Training Program
GGNS	P-28948	E-PLAN 8.2.1.S1	5.1	GET
GGNS	P-28949	E-PLAN 8.2.1.S2	5.1	GET
GGNS	P-28950	E-PLAN 8.2.1.S3	5.1	GET
GGNS	P-28951	E-PLAN 8.2.2.S1	5.3.1, 5.3.2, 5.4.8	Emergency Plan Training
GGNS	P-28952	E-PLAN 8.2.2.S2	Whole procedure	Emergency Response Training
GGNS	P-28953	E-PLAN 8.2.2.S3	Whole procedure	Emergency Preparedness Specialized Training
GGNS	P-29532	TRM 7.6.3.1.A	5.3.1, 5.3.2, 5.4.8	Emergency Preparedness Trng. Program
GGNS	P-32776	FSAR 18.1.22.S6	5.3.1, 5.3.2, 5.4.8	Training for Operations Mgmt. personnel
GGNS	P-32820	FSAR 7.7.1.11.4.3.S3	5.3.1, 5.3.2, 5.4.8	Classroom Training will be provided on PASS system operation and proper handling of highly radioactive samples
GGNS	P-33053	GNRO-97/00080.97-OGNRI 9/01/1997	5.3.1, 5.3.2, 5.4.8	Ensure persons that perform on-shift radiological assessment will periodically train with operations personnel in a Control Room/Simulator setting
ANO	P-4175	OCAN128305	5.2.1, 5.3.3, 5.4.2	GET, ERO Assignment, ERO Requal Training
ANO	P-10866	OCAN058203	5.2.1, 5.4.2	GET, ERO Requal Training
ANO	P-4822	OCAN098106	5.3.3 & 5.4.4	ERO Requal Training
RBS	I-15735	RBF1-98-0070	5.2.1, 5.2.2, 5.4.2	PAT, RWT
W3	P-5074	E-PLAN 3.4.4	5.3	Ensure Comprehensive Training Program is maintained for all on-site and off-site response personnel.
W3	P-12775	IR 85-25	5.4	NRC Notification
W3	P-5121	E-PLAN 5.1.2	5.3	Training and Qual. Of members of On-shift Emerg. Organization
W3	P-13297	FSAR 5.1.3.C	5.3	Training for Rad. Emerg.




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Plant	Commitment Number	Requirement Name	Paragraph Number	Corp. Proc explanation
				Teams
W3	P-14271	IR 87-09	5.3	STA's to be trained as Emerg. Coordinators
W3	P-20515	IR 93-08	5.4	Dose Assessment Training for Ops. Communicators
W3	P-7354	E-PLAN 8.1.1.4	5.3, 5.4	Training for Offsite Orgs
W3	P-7356	E-PLAN 8.1.1.4	5.3, 5.4	Training for Support Orgs. IAW Letters of Agreement
W3	P-13031	E-PLAN 8.1.1.4	5.3, 5.4	Training for Offsite Orgs.
W3	P-16008	E-PLAN 8.1.1.2	5.3, 5.4	Training for W1&2
W3	P-7349	E-PLAN 8.1.1	5.3, 5.4	Training for Site Personnel
W3	P-7353	E-PLAN 8.1.1.3	5.3, 5.4	Training for ERO

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9.0 ATTACHMENTS

9.1 Course Summaries

Arkansas Nuclear One (ANO)

<u>TUOI #</u>	<u>TUOI Title</u>
ASCBT-GET-PAT	Plant Access Training
ASCBT-GET-RWT	Radiation Worker Training
ASCBT-EP-A0011	Emergency Response/Support Organization
ASCBT-EP-A0012	Emergency Facilities/Equipment
ASCBT-EP-A0013	Overview Emergency Plan and EPIP's
ASCBT-EP-A0014	Role of the NRC
ASCBT-EP-A0015	Emergency Interface Agreement
ASCBT-EP-A0016	Scenario/Exercise Rules and Guidelines
ASCBT-EP-A0021	Medical Emergencies
ASLP-EP-A0022	Dealing with the Media - offered upon recommendation by EP Manager; Provided by Entergy Corporate Communications
ASCBT-EP-A0024	Evacuation
ASCBT-EP-A0025	Reentry for Recovery
ASCBT-EP-A0026	EP Training for Engineers
ASCBT-EP-A0031	Communications
ASLP-EP-A0032	Emergency Systems Review - offered upon recommendation; Operations Training




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ASLP-EP-A0041	Controller/Evaluator Training
ASDRL-EP-DRLXX	ERO Drill (XX designates calendar year)
ASLP-EP-TTXX	ERO Tabletop Training (XX designates calendar year)
ASLP-EP-A0045	ERF Walkthrough
ASLP-EP-A0060	Duty Emergency Planner
ASCBT-EP-A0062	Offsite Dose Consequences
ASLP-EP-A0063	Dose Assessment Training
ASLP-EP-A0064	ENC Staff Training
ASCBT-EP-A0071	Onsite Radiation Monitoring Team
ASLP-EP-A0072	Non-routine Equipment
ASLP-EP-A0073	Radiological Field Monitoring
ASLP-EP-A0081	EAL Class – Operations Training (also provided under ASLP-RO-EPLAN)
ASLP-EP-A0082	Emergency Response/Notification
ASCBT-EP-A0083	Severe Accident Management (Overview)
ANO-1/2-SAMG (OPS)	Severe Accident Management (In-Depth) - Operations SAMG Course
ASRR-EP-A0093	Emergency Plan Required Reading
ASOTH-EP-A0094	Misc. Emergency Plan Training
ASWBK-EP-ERORQ	ERO Requalification Training (Workbook)
ASLEC-EP-ERORQ	ERO Requalification Training (Lecture)
ASCBT-EP-ERORQ	ERO Requalification Training (Computer Based Training)

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ASDRL-EP-SIMPI Simulator PI Drill

ASLP-EP-OPSRQ Emergency Plan SRO/SE Requal Training

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Essential Training

Facility Training

Position Specific

EPTS 1 – Security Training

EPTS 2 – Mitigation and/or Recognition of Core Damage

EPTS 3 – Radiological Assessment

EPTS 5 – Radiological Monitoring

EPTS 6- Emergency Assessment

EPTS 7 – Post-Accident Sampling

EPTS 9 – Standard First Aid (American Red Cross IAW their policies and procedures)


EPTS 11 – Response Teams

CPR/CPRP – Adult CPR/CPR Professional (American Red Cross IAW their policies and procedures)

EPTS 14 – EIC Staff Specific Training

EPTS 16 – OSC Coordinator and OSC HP Coordinator Training

EPTS 17 – Security Coordinator Training

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EPTS 19 – Severe Accident Procedures Training

EPTS 23 – ENMC/EIC Specific Training

EPTS 24 – EOF Specific Training

EPTS 25 – Communicator Training

Facility Walkthrough (FW) – Discussion and/or demonstration of individual's assigned ERO position.

Drill Participation – Participate in a qualifying EP Activity in the ERO position assigned.

Riverbend Station (RBS)

Essential Training

LEC-EP-100

Facility Training

LEC-EP-101

Position Specific

LEC-EP-022

LEC-EP-023

LEC-EP-024

LEC-EP-031

LEC-EP-032

LEC-EP-041

LEC-EP-042

LEC-EP-051

Emergency Preparedness; Organization and Facilities

Facility Training

Notifications (NEOs)

Notifications (SROs)

Notifications (TSC/EOF Comm)


Emergency Identification and Classifications (Ops Coord/Adv)

Emergency Identification and Classifications (SROs)

Radiological Assessment and Protective Action Recommendations (RPA/RPC)

Radiological Assessment and Protective Action Recommendations (SROs)

Offsite Dose Calculation Methodology (Chem Techs)

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LEC-EP-052	Offsite Dose Assessment (OSS, CRS, CCDAC)
LEC-EP-053	Offsite Dose Calculations and Protective Action Recommendations (RAC, ARAC, CCDAC)
LEC-EP-061	Radiological Monitoring
LEC-EP-071	NCO/NEO Emergency Response Duties
LEC-EP-083	Management Control of Emergencies (RM/ED/Mgrs)
LEC-EP-091	Emergency Response Training for Security Personnel
LEC-EP-115	ERO Tabletop Training
LEC-EP-118	First Responders-Emergency Organization and Facilities
LEC-EP-122	Overview of Severe Accident Guidelines
LEC-EP-124	Severe Accident Phenomena/Technical Support Guideline Training

Waterford 3 (WF3)

PAT Plant Access Training

RWT Radworker Training

Essential Personnel (1)


WLP-EP-ESS	Essential Personnel
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Facility Training (2)

WLP-EP-TSC	Technical Support Center
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WLP-EP-OSC	Operational Support Center
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WLP-EP-EOF	Emergency Operations Facility
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Position Specific (3)

WLP-EP-EC	Emergency Coordinator
WLP-EP-TSPV	TSC Supervisor/TSC Supervisor Communicator
WLP-EP-SS	SM/CRS/NPO/Operations Coordinator/Operations Communicator/STA
WLP-NAO-EP01	Nuclear Auxiliary Operator
WLP-EP-THPC	TSC Health Physics/HPC/HPC Assistant/DAC/DAC Assistant
WLP-EP-DACM	Dose Assessment Communicator
WLP-EP-TCOM	TSC Communicator #1 and #2/TSC Lead Communicator
WLP-EP-TENS	ENS Communicator
WLP-EP-SECS	Security Superintendent
WLP-EP-SEC	E-Plan Security
WLP-EP-TENG	TSC Engineer/TSC Lead Engineer/TSC Electrical Engineer/TSC Mechanical Engineer
WLP-EP-TNUC	TSC Nuclear Engineer
WLP-EP-TCHM	TSC Chemistry Engineer
WLP-EP-CHEM	Emergency Chemistry
WLP-EP-OSPV	OSC Supervisor/OSC Supervisor Assistant/OSC Electrical Lead/OSC I&C Lead/OSC Mechanical Lead
WLP-EP-OCOM	OSC Supervisor Communicator
WLP-EP-EMHP	Emergency HP Monitoring Team/RCC

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WLP-EP-RDW	Emergency Radwaste
WLP-EP-0AAS	Assembly Area Supervisor
WLP-EP-TSBK	TSC Status Board Keeper
WLP-EP-TLOG	TSC Logkeeper
WLP-EP-OITR	OSC IT Representative
WLP-EP-0MAN	OSC Manpower/Electrical Maintenance/I&C Maintenance/ Mechanical Maintenance/ OSC Miscellaneous Support
WLP-EP-EDIR	EOF Director/Deputy EOF Director
WLP-EP-EENG	EOF Engineer/EOF Electrical Engineer/EOF I&C Engineer/EOF Mechanical Engineer/Operations Engineering Coordinator/Operations Engineering Coordinator Assistant
WLP-EP-ENUC	EOF Nuclear Engineer
WLP-EP-ESBK	EOF Status Board Keeper
WLP-EP-ERAC	EOF Health Physics/RAC/RAC Assistant/Field Team Controller/Dose Projection Coordinator
WLP-EP-FTCM	EOF Field Team Communicator
WLP-EP-EOTA	Offsite Technical Advisor
WLP-EP-TSPK	Technical Spokesperson
WLP-EP-TREP	Technical Representative/St. Charles Parish Technical Representative/St. John Parish Technical Representative/State Technical Representative
WLP-EP-OTAT	Offsite Technical Advisor Assistant
WLP-EP-ECOM	EOF Communicator #1, #2, #3/Communications Coordinator
WLP-EP-EENT	Entergy System Liaison

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WLP-EP-ELIC Licensing Coordinator

WLP-EP-EADM Administration/Logistics Coordinator

WLP-EP-ELOG EOF Logkeeper/Administrative Assistant – Training/Administrative Assistant General/ EOF Procurement Representative

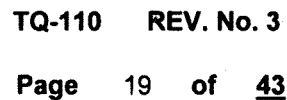
Severe Accident Management Overview (4)

9.2 – ANO Training Matrix

Emergency Response Organization (ERO) Position/TUOI Training Matrix ANO ERO Position/TUOI Training Matrix – Initial Training EP-A00__ (See TUOI Listing)

Emergency Operations Facility (EOF)

	PAT	RWT	11	12	13	14	15	16	22	24	25	26	31	45	60	62	63	71	72	73	81	82	83	SAMG*	Drill
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									X		
Comm. Liaison	X	X	X	X	X	X	X	X		X			X	X									X		
Dose Assessment	X	X	X	X	X			X			X		X	X			X						X		

[illegible]

Operational Support Center (OSC)

	PAT	RWT	11	12	13	14	15	16	21	24	25	31	45	62	71	83	DRILL
Elect. Maint. Supv.	X	X	X	X	X		X	X			X	X	X			X	
Emerg. Medical Team	X	X	X	X	X		X	X			X					X	
I&C Supv.	X	X	X	X	X		X	X			X	X	X			X	
Maint. Supt.	X	X	X	X	X		X	X			X	X	X			X	X
Mech. Maint. Supv.	X	X	X	X	X		X	X			X	X	X			X	



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NCHEM Manager	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	X
OSC HP Supv.	X	X	X	X	X		X	X		X	X	X	X			X	X	
Status Board Comm.	X	X	X	X	X			X		X		X	X				X	



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Technical Support Center (TSC)

	PAT	RWT	11	12	13	14	15	16	21	24	25	26	31	45	71	81 *	82	83	SAM G*	Drill
EAL Reviewer	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				X		X
Eng. Support TSC	X	X	X	X	X			X				X		X					X	
ENS Comm.	X	X	X	X	X			X		X			X	X		X	X	X		
Maint. Manager	X	X	X	X	X	X		X		X	X		X	X				X		X
Notif. Communicator	X	X	X	X	X	X		X		X			X	X			X	X		X
Operations Mgr.	X	X	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			X		X
TSC Director	X	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				X		
Status Board Comm.	X	X	X	X	X			X		X			X	X				X		

Control Room

	PAT	RWT	11	12	13	14	15	16	21	24	25	31	SIMPI	45	62	71	81 *	82	83	SAMG*
Shift Manager	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X
Shift Engineer	X	X	X	X	X			X	X	X		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	
Status Board Comm.	X	X	X	X	X			X		X		X		X					X	
EAL Reviewer	X	X	X	X	X			X		X		X		X			X	X		X

*Courses provided by Operations Training

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ANO ERO Position/TUOI Training Matrix – Annual Regualification Training

Emergency Operations Facility (EOF)

	PAT	RWT	TABLETOP	DRILL	CLASSROOM
Acc. Assmt. Manager	X	X	X	X	
Comm. Manager	X	X	X	X	
Comm. Liaison	X	X	X	X	
Dose Assessment Tm.	X	X			X
Dose Assmt. Supv.	X	X	X	X	
Engineering	X	X	X		
EOF Director	X	X	X	X	
EOF HP Supv.	X	X	X	X	
EOF Maint. Coord.	X	X	X	X	
EOF Support Supt.	X	X	X	X	
Emerg. Rad. Team	X	X			X
EP Duty	X	X	X		
Notif. Communicator	X	X	X	X	
Offsite Monit. Supv.	X	X	X	X	
REAM	X	X	X	X	
Status Board Comm.	X	X	X	X	
Support Manager	X	X	X	X	
EAL Reviewer				X	X

Operational Support Center (OSC)

	PAT	RWT	TABLETOP	DRILL	CBT
Elect. Maint. Supv.	X	X	X	X	
Emerg. Medical Team	X	X			X
I&C Supv.	X	X	X	X	
Maint. Supt.	X	X	X	X	
Mech. Maint. Supv.	X	X	X	X	
NCHEM Manager	X	X	X	X	
OSC Director	X	X	X	X	
OSC HP Supv.	X	X	X	X	
Status Board Comm.	X	X	X	X	

Technical Support Center (TSC)

	PAT	RWT	TABLETOP	DRILL	CLASSROOM*
Engineering Manager	X	X	X	X	
Eng. Support TSC	X	X	X	X	
Maint. Manager	X	X	X	X	
Notif. Communicator	X	X	X	X	
Operations Mgr.	X	X	X	X	
RP&RW Manager	X	X	X	X	
TSC Director	X	X	X	X	
TSC Support Supt.	X	X	X	X	
Status Board Comm.	X	X	X	X	
EAL Reviewer	X	X		X	X
ENS Comm.	X	X		X	



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Control Room

	PAT	RWT	CLASSROOM	SIMULATOR DRILL	CBT	DRILL
Shift Manager	X	X	X	X		
Shift Engineer	X	X	X	X		
SRO	X	X	X			
RO	X	X			X	
Status Board Comm.	X	X				X
EAL Reviewer	X	X	X			X



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9.3 – GGNS Training Matrix

CONTROL ROOM

Emergency Positions	PAT FFD FFDS *	RWT* Practical	RPT* FIT PHYS Practical	ESSENTIAL TRNG**	EP DRILL	EPTS 2 OPS **	EPTS 3	EPTS 25	EPTS 6	EPTS 19	OTHER
Fire Brigade	X	X	X	X							Fire Brigade Trng*
Operations Coordinator	X	X	X	X		X			X	X	
NLO/RWO	X	X	X	X				X			
RO	X	X	X	X		X			X	X	
Onshift Chemists	X	X	X	X	X		X				EPTS 7**
SRO/STA	X	X	X	X		X			X	X	
Shift Manager	X	X	X	X	X	X			X	X	

ENMC/EIC

Emergency Positions	PAT/FFD/FFDS*	ESSENTIAL TRNG**	FACILITY TRNG **	EPDRILL	EPTS 23	EPTS 14	OTHER
Company Spokesperson	X	X	X	X	X		
EIC Coordinator	X	X	X	X	X		
EIC Staff	X	X	X	X		X	
ENMC Clerical Coordinator	X	X	X	X			FW**
ENMC Clerical Staff	X	X	X	X			
ENMC Manager	X	X	X	X	X		
ENMC Support Staff	X	X	X	X			FW**



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Media Monitor	X	X	X	X			
Technical Spokesperson	X	X	X	X	X		

EMERGENCY OPERATIONS FACILITY

Emergency Positions	PAT FFD FFDS*	RWT* Practical	ESSENTIAL TRNG**	FACILITY TRAINING**	EP DRILL	EPTS see below	EPTS 6	EPTS 19	OTHER
Accident Assessment Engineer	X	X	X	X	X			X	
Emergency Support Manager	X	X	X	X	X	EPTS 24			
EOF Engineer Mechanical	X	X	X	X	X				
EOF Engineer Support	X	X	X	X	X				
EOF Engineer Electrical	X	X	X	X	X				
EOF Engineer Civil	X	X	X	X	X				
EOF Admin Director	X	X	X	X	X	EPTS 24 EPTS 25			
EOF Communicator	X	X	X	X	X	EPTS 25			
EOF Facility Coordinator	X	X	X	X	X	EPTS 24			
EOF Habitability Specialist	X	X	X	X	X	EPTS 5			Rad Monitor/ CAA Qualified or HP Qualified
Food & Lodging Coordinator	X	X	X	X	X	EPTS 24			Breatholizer Training *
Licensing Coordinator	X	X							
Offsite Emergency Coordinator	X	X	X	X	X		X	X	
OEC Technical Assistant	X	X	X	X	X		X	X	
Offsite Monitoring Team Driver	X	X	X	X	X				RRT, FIT, PHYS* FW**
Offsite Monitoring Team Monitor	X	X	X	X	X	EPTS 5			RRT, FIT, PHYS*
Offsite Technical Advisors	X								
Plume Tracking Specialist	X	X	X	X	X	EPTS 5			
Radiation Emergency Manager	X	X	X	X	X	EPTS 3		X	



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Radiological Assessment Coordinator	X	X	X	X	X	EPTS 3			
Tech/Eng. Support Manager	X	X	X	X	X	EPTS 24		X	
Radiological Assessment Dose Calculator	X	X	X	X	X	EPTS 3			

OPERATIONS SUPPORT CENTER

Emergency Positions	PAT* FFD FFDS	RWT* Practical	RPT* FIT PHYS Practical	ESSENTIAL TRNG**	FACILITY TRAINING**	EP DRILL	EPTS See Below	EPTS 9***	EPTS 11	CPR*	OTHER
On-call Chemist	X	X	X	X	X	X	EPTS 7**				
First Aid Responder (HP, Elec., I&C)	X	X	X	X	X			X or EMT		X or CPRP	GOTH-GET-ISPDT*
Health Physics Coordinator	X	X	X	X	X	X	EPTS 16				EPTS 2**
Response Teams (Mech., Elec., I&C)	X	X	X	X	X		EPTS 2**(I&C only)		X		
On-call Health Physicist	X	X	X	X	X	X	EPTS 5				EPTS 2**
On-shift HPs	X	X	X	X	X		EPTS 5				EPTS 2**
On-site Monitor	X	X	X	X	X	X	EPTS 5				
OSC Communicator	X	X		X	X						FW**
OSC Coordinator	X	X		X	X	X	EPTS 16				
OSC Planner	X	X		X	X						FW**

SECURITY

Emergency Positions	PAT/FFD/FFDS*	RWT* Practical	RPT/FIT/PHYS /Practical*	EPTS See Below
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Security Contract Personnel	X	X		EPTS 1 or 17
Security Coordinator	X	X		EPTS 17

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Emergency Positions	PAT FFD FFDS*	RWT* Practical	ESSENTIAL TRNG**	FACILITY TRAINING**	EP DRILL	EPTS 2 **OPS	EPTS See Below	EPTS 6	EPTS 19	OTHER
Computer Engineer	X	X	X	X	X					
Emergency Director	X	X	X	X	X	X		X	X	
Information Specialist	X	X	X	X	X			X	X	
Radiation Protection Manager	X	X	X	X	X		EPTS 3		X	EPTS 2**
Records Document Manager	X	X	X	X	X					
Technical Manager	X	X	X	X	X			X	X	
TSC Communicator	X	X	X	X	X		EPTS 25			
TSC Coordinator	X	X	X	X	X	X		X	X	
TSC Coordinator Assistant	X	X	X	X	X			X	X	
Engineer Elec, Mech)	X	X	X	X	X					
Radiological Assessment Dose Calculator	X	X	X	X	X		EPTS 3			
ENS Communicator	X	X	X	X	X		EPTS 25**			

KEY

- Required every 13 months
- ** Required one time only
- ***Required every 3 years

**9.4- RBS Training Matrix****RBS Course Listing**

*PAT	Plant Access Training
*RWT	Radworker Training
(1)	Essential Training
(2)	Facility Training
(3)	Notifications
(4)	Emergency Identifications and Classifications
(5)	Radiological Assessment and Protective Action Recommendations
(6)	Offsite Dose Calculations and Protective Action Recommendations
(7)	Radiological Monitoring
(8)	NEO/NCO Emergency Response Training
(9)	Management Control of Emergencies
(10)	Security
*(11)	Severe Accident Management Overview Training
*(12)	Severe Accident Phenomena/TSG Training
(13)	First Responders
Tabletop	Tabletop Training
Drill	Drill Participation

*Governed by site procedures



RBS ERO TRAINING MATRIX - INITIAL TRAINING

CONTROL ROOM

See Course Listing.

	PAT	RWT	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	Drill
OSM / CRS	•	•	•		•	•	•	•					•	•		
NCO	•	•	•							•			•			
NEO	•	•	•		•					•			•			

TECHNICAL SUPPORT CENTER (TSC)

See Course Listing.

	PAT	RWT	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	Drill
Emergency Director / TSC Manager	•	•	•	•							•		•	•		•
Mech/Elec Engineers	•	•	•	•									•	•		
Ops. Support Coordinator	•	•	•	•		•							•	•		•
Maint. Support Coordinator	•	•	•	•												•
Rad. Protection Coordinator	•	•	•	•			•									•
Chem/Core Damage Coord	•	•	•	•				•					•	•		•
Data Facility Coord. / Status Comm.	•	•	•	•												
Admin. Coord. / Admin. Support	•	•	•	•												
Communicator	•	•	•	•	•											•
ENS Comm. / TSC/CR Comm.	•	•	•	•												
Security Coordinator	•	•	•	•												
Engineering Coord/Reactor Engineer	•	•	•	•									•	•		•



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RBS ERO TRAINING MATRIX - INITIAL TRAINING

OPERATIONS SUPPORT CENTER (OSC)

See Course Listing.

	PAT	RWT	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	Drill
OSC Director / OSC Manager	•	•	•	•												•
Status Comm. / Admin. Support	•	•	•	•												
SRPT / RP Technicians	•	•	•	•					•				•			
Mech., Elect., & I&C Maintenance	•	•	•	•									•			
Chemistry Technicians	•	•	•	•				•	•				•			
First Responders	•	•													•	
Security	•	•										•				

RBS ERO TRAINING MATRIX - INITIAL TRAINING

EMERGENCY OPERATIONS FACILITY (EOF)

See Course Listing.

[illegible]

JOINT INFORMATION CENTER (JIC)

See Course Listing.

[illegible]

RBS ERO TRAINING MATRIX - REQUALIFICATION TRAINING

CONTROL ROOM

	PAT	RWT	CLASSROOM	TABLETOP	DRILL
OSM / CRS	•	•	•		
NCO	•	•	•		
NEO	•	•	•		

OPERATIONS SUPPORT CENTER (OSC)

	PAT	RWT	CLASSROOM	TABLETOP	DRILL
OSC Director / OSC Manager	•	•		•	•
Status Comm. / Admin. Support	•	•		•	
SRPT / RP Technicians	•	•	•		
Mech., Elect. & I&C Maintenance	•	•			
Chemistry Technicians	•	•	•		
First Responders / Security	•	•	•		



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TECHNICAL SUPPORT CENTER (TSC)

	PAT	RWT	CLASSROOM	TABLETOP	DRILL
Emergency Director / TSC Manager	•	•	•	•	•
Reactor Engineer	•	•		•	•
Mech & Elect. Eng.	•	•		•	
Eng. Coord	•	•		•	•
Ops. Support Coordinator	•	•		•	•
Maintenance Support Coord.	•	•		•	•
Radiation Protection Coord.	•	•	•	•	•
Chem/Core Damage Coord.	•	•	•	•	•
Data Facility Coord. / Status Comm.	•	•		•	
Admin. Coord. / Admin. Support	•	•		•	
Communicator	•	•		•	•
ENS Communicator	•	•		•	•
Security Coordinator	•	•		•	
TSC/CR Communicator	•	•	•		

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RBS ERO TRAINING MATRIX - REQUALIFICATION TRAINING

EMERGENCY OPERATIONS FACILITY (EOF)

	PAT	RWT	CLASSROOM	TABLETOP	DRILL
Recovery Manager / EOF Manager	•	•	•	•	•
Rad. Prot. Advisor	•	•	•	•	•
Rad. Assess. Coordinator / Asst. RAC	•	•	•	•	•
Offsite Team Coordinator	•	•		•	•
Operations Advisor	•	•		•	•
Admin. Advisor / Admin. Support	•	•		•	
Communicator	•	•		•	•
Status Communicator	•	•		•	
Technical Advisor	•	•		•	•
HPN Communicator	•	•		•	•
Eng. Support Advisor / Engineering	•	•		•	
Telecommunications Spec.	•	•			
EOF Registration	•	•		•	



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JOINT INFORMATION CENTER (JIC)

	PAT	RWT	CLASSROOM	TABLETOP	DRILL
JIC Director / Media Liaison	•			•	•
Events Information Team	•	•		•	•
Media Registration / Breezeway Reg.	•			•	
Audio/Visual	•			•	•
EOI Spokesperson	•			•	•
Rumor Control Coordinator	•			•	•
Offsite Coordinator Team	•			•	
News Release Team	•			•	•
Logistics Team / Phone Team	•			•	
Parish/State Liaison	•			•	

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9.5 – WF3 Training Matrix

CONTROL ROOM

	PAT	RWT	ESSENTIAL PERSONNEL	FACILITY TRAINING	POSITION SPECIFIC	SAMG
Operations Coordinator/Shift Manager	•	•	•	•	•	•
Control Room Supervisor	•	•	•	•	•	•
Nuclear Plant Operator	•	•	•	•	•	•
Operations Communicator	•	•	•	•	•	•
Shift Technical Advisor	•	•	•	•	•	•
Nuclear Auxiliary Operator	•	•	•	•	•	•

OPERATIONS SUPPORT CENTER (OSC)

	PAT	RWT	ESSENTIAL PERSONNEL	FACILITY TRAINING	POSITION SPECIFIC	SAMG
OSC Supervisor	•	•	•	•	•	
OSC Supervisor Assistant	•	•	•	•	•	
OSC Electrical Lead	•	•	•	•	•	
OSC I & C Lead	•	•	•	•	•	
OSC Mechanical Lead	•	•	•	•	•	
Security Superintendent	•	•	•	•	•	
OSC Supervisor Communicator	•	•	•	•	•	
OSC I.T. Representative	•	•	•	•	•	
Radiological Controls Coordinator	•	•	•	•	•	
H.P. Monitoring Team	•	•	•	•	•	
Radwaste	•	•	•	•	•	
Assembly Area Supervisor	•	•	•	•	•	
Electrical Maintenance	•	•	•	•	•	
I & C Maintenance	•	•	•	•	•	
Mechanical Maintenance	•	•	•	•	•	
OSC Miscellaneous Support	•	•	•	•	•	
Chemistry	•	•	•	•	•	



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TECHNICAL SUPPORT CENTER (TSC)

	PAT	RWT	ESSENTIAL PERSONNEL	FACILITY TRAINING	POSITION SPECIFIC	SAMG
Emergency Coordinator	•	•	•	•	•	•
TSC Logkeeper	•	•	•	•	•	
TSC Supervisor	•	•	•	•	•	
TSC Supervisor Communicator	•	•	•	•	•	
Health Physics Coordinator	•	•	•	•	•	
Health Physics Coordinator Assistant	•	•	•	•	•	
Dose Assessment Coordinator	•	•	•	•	•	
Dose Assessment Coordinator Assistant	•	•	•	•	•	
Dose Assessment Communicator	•	•	•	•	•	
TSC Lead Communicator	•	•	•	•	•	
TSC Communicator (#1 & #2)	•	•	•	•	•	
ENS Communicator	•	•	•	•	•	
TSC Lead Engineer	•	•	•	•	•	•
TSC Electrical Engineer	•	•	•	•	•	•
TSC Mechanical Engineer	•	•	•	•	•	•
TSC Nuclear Engineer	•	•	•	•	•	•
TSC Chemistry Engineer	•	•	•	•	•	
TSC Status Board Keeper	•	•	•	•	•	
Offsite Technical Advisor	•	•	•	•	•	




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EMERGENCY OPERATIONS FACILITY (EOF)

	PAT	RWT	ESSENTIAL PERSONNEL	FACILITY TRAINING	POSITION SPECIFIC	SAMG
EOF Director	•	•	•	•	•	•
Deputy EOF Director	•	•	•	•	•	•
Operations/Engineering Coordinator	•	•	•	•	•	
Operations/Engineering Coordinator Assistant	•	•	•	•	•	
EOF Electrical Engineer	•	•	•	•	•	
EOF I & C Engineer	•	•	•	•	•	
EOF Mechanical Engineer	•	•	•	•	•	
EOF Nuclear Engineer	•	•	•	•	•	•
EOF Status Board Keeper	•	•	•	•	•	
Radiological Assessment Coordinator	•	•	•	•	•	
Radiological Assessment Coordinator Assistant	•	•	•	•	•	
Field Team Controller	•	•	•	•	•	
Dose Projection Coordinator	•	•	•	•	•	
Field Team Communicator	•	•	•	•	•	
Offsite Technical Advisor	•	•	•	•	•	
Offsite Technical Advisor Assistant	•	•	•	•	•	
Communications Coordinator	•	•	•	•	•	
EOF Communicator (#1,#2,#3)	•	•	•	•	•	
Entergy System Liaison	•	•	•	•	•	
Licensing Coordinator	•	•	•	•	•	
Administrative/Logistics Coordinator	•	•	•	•	•	
EOF Logkeeper	•	•	•	•	•	
Administrative Assistant – Training	•	•	•	•	•	
Administrative Assistant – General	•	•	•	•	•	
EOF Procurement Representative	•	•	•	•	•	

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OFFSITE REPS.

	PAT	RWT	ESSENTIAL PERSONNEL	FACILITY TRAINING	POSITION SPECIFIC	SAMG
St. Charles Parish Technical Representative	•	•	•	•	•	
St. John Parish Technical Representative	•	•	•	•	•	
State Technical Representative	•	•	•	•	•	

OFFSITE ORGANIZATIONS

Hahnville Volunteer Fire Depart	Training provided by Emergency Planning
Ochsner Hospital	Training provided by Emergency Planning
West Jefferson Hospital	Training provided by Emergency Planning
St. Charles Hospital Ambulance Service	Training provided by Emergency Planning
West Jefferson Hospital Med/Flight Crew	Training provided by Emergency Planning
Ochsner Hospital Med/Flight Crew	Training provided by Emergency Planning
Waterford 1 & 2	Training provided by Waterford 1 & 2 personnel



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EMERGENCY NEWS CENTER (ENC)

	PAT	RWT	ESSENTIAL PERSONNEL	FACILITY TRAINING	POSITION SPECIFIC	SAMG
ENC Director			•	•	•	
Office Manager			•	•	•	
Logistics & Production Coordinator			•	•	•	
Logistics & Production Assistant			•	•	•	
Rumor Control Supervisor			•	•	•	
ENC Technical Spokesperson			•	•	•	
ENC Technical Spokesperson Assistant			•	•	•	
Media Monitoring/Response Supervisor			•	•	•	
Media Monitoring Assistant			•	•	•	
Media Response Assistant			•	•	•	
Government Affairs Coordinator			•	•	•	
ENC Secretary			•	•	•	
Audio Visual Operator			•	•	•	
Offsite Agency Coordinator			•	•	•	
St. Charles PR Representative			•	•	•	
St. John PR Representative			•	•	•	
Corporate Emergency Center Manager			•	•	•	
Security	•	•	•	•	•	