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March 3, 2011

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555-0001

Subject: Duke Energy Carolinas, LLC (Duke Energy)  
Oconee Nuclear Station, Units 1, 2, and 3, Docket Nos. 50-269, 50-270, 50-287  
McGuire Nuclear Station, Units 1 and 2, Docket Nos. 50-369, 50-370  
Catawba Nuclear Station, Units 1 and 2, Docket Nos. 50-413, 50-414  
Response to Request for Additional Information Related to License Amendment  
Request to Revise Emergency Plans On-Shift Staffing and Augmentation Times

This letter provides a response to a request for additional information (RAI) regarding the Duke Energy License Amendment Request (LAR) dated July 28, 2010, related to Emergency Plans On-Shift Staffing and Augmentation Times. The request was conveyed by the NRC staff via electronic mail from John F. Stang on January 5, 2011. The NRC staff's questions and Duke Energy's responses are provided in the Enclosure.

The conclusions reached in the original determination that the LAR contains No Significant Hazards Considerations and the basis for the categorical exclusion from performing an Environmental/Impact Statement have not changed as a result of this RAI.

This letter contains no new commitments as a result of this RAI.

Please contact L. B. Jones at 704 382-4753 or [Luellen.Jones@duke-energy.com](mailto:Luellen.Jones@duke-energy.com).

Sincerely,

R. Michael Glover

Enclosure

- Attachment 1: Oconee Emergency Response Organization and Emergency Services Training Program ERTG-001, Rev. 22
- Attachment 2: McGuire Emergency Response Training Program MTP 7111.0, Rev. 8
- Attachment 3: Catawba Emergency Response Training Program Addendum 7111-0, Rev. 11

A45  
NRC

Oath or Affirmation

R. Michael Glover affirms that he is the person who subscribed his name to the foregoing statement, and that all the matters and facts set forth herein are true and correct to the best of his knowledge.

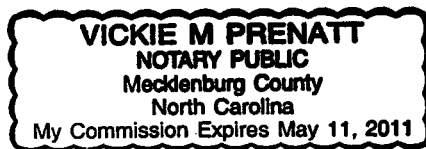
R. Michael Glover  
R. Michael Glover  
General Manager, Nuclear Plant Support

Subscribed and sworn to me: MARCH 3, 2011  
Date

Vickie M. Prenatt  
Notary Public

My Commission Expires: May 11, 2011  
Date

SEAL



xc:

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## **Enclosure 1**

### **Request for Additional Information Related to LAR dated July 28, 2010 Duke Energy Emergency Plans On-Shift Staffing and Augmentation Times Docket Nos. 50-269, 50-270, 50-287, 50-369, 50-370, 50-413 and 50-414**

#### **NRC Question 1:**

Section 3.1.3 provides the following:

Therefore, with the automated dose assessment capability, the required on-shift RP [Radiation Protection] qualified individuals are able to provide dose assessment reports in the first 75 minutes of an event and perform other RP functions as listed in Emergency Plan on Figure B-8 (ONS) [Oconee Nuclear Station] and Figure B-1 (CNS, MNS) [Catawba Nuclear Station and McGuire Nuclear Station] in the individual site Emergency Plans. With this capability continuously available on shift, the 45-minute response time for augmenting the offsite dose projection function is no longer required.

If the automatic capability is not available, i.e., manual input of data into the dose assessment computer is required, what is the impact of the additional 30 minutes on the performance of "other RP functions as listed in Emergency Plan"?

#### **Duke Energy Response 1:**

At ONS, a shift RP qualified individual is assigned the on-shift dose assessment role each shift. During an emergency, this individual's sole responsibility is to support on-shift dose assessment until TSC dose assessors assume the responsibility (once the TSC is activated). ONS has three RP qualified individuals minimum per shift, one assigned to on-shift dose assessment and two available to support other emergency response actions by RP as described in Emergency Plan (ONS) on Figure B-8. Other RP functions will not be impacted.

At MNS, a shift RP qualified individual is assigned the on-shift dose assessment role each shift. During an emergency, this individual's sole responsibility is to support on-shift dose assessment until TSC dose assessors assume the responsibility (once the TSC is activated). MNS has three (3) RP qualified individuals minimum per shift—one assigned to on-shift dose assessment and two available to support other emergency response actions by RP as described in Emergency Plan (MNS) on Figure B-1. Other RP functions will be not impacted.

At CNS, a shift RP qualified individual is assigned the on-shift dose assessment role each shift. During an emergency, this individual's sole responsibility is to support on-shift dose assessment until TSC dose assessors assume the responsibility (once the TSC is activated). CNS has three RP qualified individuals minimum per shift—one assigned to on-shift dose assessment and two available to support other emergency response actions by RP as described in Emergency Plan (CNS) on Figure B-1. Other RP functions will not be impacted.

## **Enclosure 1**

### **Request for Additional Information Related to LAR dated July 28, 2010 Duke Energy Emergency Plans On-Shift Staffing and Augmentation Times Docket Nos. 50-269, 50-270, 50-287, 50-369, 50-370, 50-413 and 50-414**

#### **NRC Question 2:**

Section 3.3.3 provides the following:

The vehicle driver will be required to maintain radiation worker qualifications and a valid state driver's license.

Will the vehicle driver maintain the same respirator qualifications, if any, as the RP qualified personnel?

#### **Duke Energy Response 2:**

At ONS, currently non-RP personnel serve as Field Monitoring Team (FMT) drivers. The non-RP personnel assigned this role are required to be respiratory qualified.

At MNS, FMT van drivers are required to be respiratory qualified.

At CNS, currently only RP qualified individuals serve as FMT drivers. The RP qualified individuals assigned these roles maintain appropriate qualifications for field monitoring and are required to be respiratory qualified. Upon approval of this LAR, any new non-FMT drivers will be required to be respiratory qualified.

#### **NRC Question 3:**

Section 3.3.3 provides the following:

The ONS Emergency Plan currently only requires one individual to have FMT [Field Monitoring Team] qualifications for the specific function and duty.

Has a review of applicable FMT procedures for CNS and MNS been performed to determine if there are any duties that would require two persons to perform?

#### **Duke Energy Response 3:**

MNS has evaluated FMT procedures and determined that one FMT RP qualified individual can perform necessary surveys, sampling, sample analysis, and communications required. An additional person is needed as a vehicle driver.

CNS has evaluated FMT procedures and determined that one FMT RP qualified individual can perform necessary surveys, sampling, sample analysis, and communications required. An additional person is needed as a vehicle driver.

## **Enclosure 1**

### **Request for Additional Information Related to LAR dated July 28, 2010 Duke Energy Emergency Plans On-Shift Staffing and Augmentation Times Docket Nos. 50-269, 50-270, 50-287, 50-369, 50-370, 50-413 and 50-414**

#### **NRC Question 4:**

Section 3.4.3 provides the following:

RP qualified individuals can include RP supervision and RP staff who routinely administer RP programs, policies and procedures. Based on their training and experience, these individuals maintain the level of knowledge required to function within the tasks as described on Figure B-8 (ONS) and Figure B-1 (MNS and CNS).

Do the "RP qualified" personnel maintain the same qualifications and training requirements as the RP Technicians, i.e., respirator qualifications, any type of requalification training, etc.? Please provide a copy of any applicable procedure(s) that governs the EP training requirements and frequencies for the RP personnel.

#### **Duke Energy Response 4:**

At ONS, RP supervisors and staff personnel participate in the same training program as the RP qualified individuals. If an RP supervisor or staff person is used to fill an RP qualified individual's ERO position, they would have the same qualifications and training, including respiratory training (if required), as the technician filling the role. RP supervisors and staff personnel typically have qualifications for tasks associated with their areas of responsibility. Personnel must be qualified for any job assignment that requires a specific task qualification. RP supervisors and staff personnel who have task qualifications must maintain the same training qualifications and requalification as the RP qualified individuals. ERO requalification is covered in RP continuing training at least every two years. This requalification training typically consists of procedure and equipment reviews with a demonstration of skills and knowledge in FMT and Contaminated Injury training drills.

At MNS and CNS, RP supervisors and staff personnel participate in the same qualifications and training as the RP qualified individuals. If an RP supervisor or staff person is used to fill an RP qualified individual ERO position, they would have the same qualifications and training, including respiratory training (if required), as the technician filling the role. RP supervisors and staff personnel typically have qualifications for tasks associated with their areas of responsibility. There is no formal requirement for RP supervisors and staff personnel to have specific task qualifications. However, RP supervisors and staff personnel who have task qualifications must maintain the same training qualifications and requalification as the RP qualified individuals. ERO task requalification is covered in RP continuing training at least every two years. This requalification training typically consists of procedure and equipment reviews with a demonstration of skills and knowledge in FMT and Contaminated Injury training drills.

Attached are copies of applicable procedures that govern the EP training requirements and frequencies for personnel for ONS, MNS, and CNS, in Attachments 1, 2, and 3, respectively.

## **Enclosure 1**

### **Request for Additional Information Related to LAR dated July 28, 2010 Duke Energy Emergency Plans On-Shift Staffing and Augmentation Times Docket Nos. 50-269, 50-270, 50-287, 50-369, 50-370, 50-413 and 50-414**

#### **NRC Question 5:**

Section 3.4.3 provides the following:

RP qualified individuals currently have other functional assignments in the ERO [emergency response organization] but are available during an augmentation (all call) to perform technician duties when not performing their primary function.

What "primary functions" are the RP qualified individuals performing and how is it determined whether or not the performance of these "primary functions" are priorities for the RP qualified individual that will allow the performance of technician duties?

#### **Duke Energy Response 5:**

At ONS, RP supervisors and staff personnel used to fill RP qualified individual roles are typically TSC dose assessors, OSC RP Manager, OSC Assistant to the RP Manager, and OSC supervisors. During an augmentation drill or real event, two shifts would be designated to perform the primary functions (two TSC Dose Assessors per shift, one RP Manager per shift, one OSC Assistant to the RP Manager per shift, and one OSC RP supervisor per shift). When all ERO positions are staffed, extra available responders will fill RP qualified individual roles.

At MNS and CNS, RP qualified individuals fill the following roles in the ERO: TSC Dose Assessor, RP Manager in the TSC, and RP supervisor in the OSC. During an augmentation drill or real event, two shifts would be designated to perform the primary functions (two TSC Dose Assessors per shift, one RP Manager per shift, and one OSC RP supervisor per shift). When all ERO positions are staffed, extra available responders will fill RP qualified individual roles.

## **Enclosure 1**

### **Request for Additional Information Related to LAR dated July 28, 2010 Duke Energy Emergency Plans On-Shift Staffing and Augmentation Times Docket Nos. 50-269, 50-270, 50-287, 50-369, 50-370, 50-413 and 50-414**

#### **NRC Question 6:**

Figure B-8 (ONS) provides the following:

**\*\*** Provided by shift personnel assigned other responsibilities – until the emergency response organization is fully functional

The inclusion of the **\*\*** to the 3 RP qualified individuals listed for Protective Actions could imply that other personnel on-shift would be able to perform the RP duties. Is that the intent for these RP duties or should the table be edited similar to Table B-1 (CNS) which does not **\*\*** the RP Qualified Personnel and does **\*\*** the Off-site Dose Assessor?

#### **Duke Energy Response 6:**

The **\*\*** for Emergency Plan (ONS) on Figure B-8 in the On Shift Column of the Major Functional Area of Protective Actions (In-Plant) states that any of the three (3) RP qualified individuals are subject to perform the major tasks listed: A) Access Control; B) RP Coverage for Repair Corrective Actions, Search and Rescue, First Aid & Firefighting; C) Personnel Monitoring; D) Dosimetry; and E) On-Shift Dose Assessment. No other personnel on shift will be assigned these ERO duties--only RP qualified individuals.

The **\*** for Emergency Plan (MNS) on Figure B-1 in the On Shift Column of the Major Functional Area of Radiological Support and Protective Actions states that any of the three (3) RP qualified individuals are subject to perform the major tasks listed: RP Coverage for Repair/Corrective Actions, Access Control, Search & Rescue, Radiochemistry, Contaminated Injury Medical Response, Personnel Monitoring, Dosimetry, Firefighting, Out of Plant Surveys, In-Plant Surveys, and Dose Assessment. No other personnel on shift will be assigned these ERO duties--only RP qualified individuals.

The Emergency Plan (CNS) Figure B-1 On Shift Column of the Major Functional Area of Radiological Support and Protective Actions states that either of the two (2) RP qualified Individuals are subject to perform the major tasks listed: RP Coverage for Repair/Corrective Actions, Access Control, Search & Rescue, Radiochemistry, Contaminated Injury Medical Response, Personnel Monitoring, Dosimetry, Firefighting, Out of Plant Surveys, and In-Plant Surveys. One Off-Site Dose Assessor is assigned the Dose Assessment. The **\*\*** is shown beside the one (1) in the Dose Assessment row of the Radiological Support and Protective Actions. No other personnel on shift will be assigned these ERO duties--only RP qualified individuals.



## **Enclosure 1**

### **Request for Additional Information Related to LAR dated July 28, 2010 Duke Energy Emergency Plans On-Shift Staffing and Augmentation Times Docket Nos. 50-269, 50-270, 50-287, 50-369, 50-370, 50-413 and 50-414**

#### **NRC Question 7:**

Figure B-1 (MNS) provides the following:

- \* Individuals may be assigned other functions in accordance with NUREG-0654....

The inclusion of the \* to the 3 RP qualified individuals listed for Radiological Support and Protective Actions could imply that other personnel on-shift would be able to perform the RP duties. Is that the intent for these RP duties or should the table be edited similar to Table B-1 (CNS) which does not \*\* the RP Qualified Personnel and does \*\* the Off-site Dose Assessor?

#### **Duke Energy Response 7:**

At MNS, only RP qualified individuals perform other RP emergency response activities prior to activation of the emergency response organization. No other personnel on shift will be assigned these ERO duties--only RP qualified individuals.

#### **NRC Question 8:**

Are the RP personnel at ONS, MNS or CNS assigned to the Fire Brigade?

#### **Duke Energy Response 8:**

At ONS, one Fire Brigade position is required to be staffed by either an RP shift qualified individual or a Chemistry technician. This slot is shared, and staffing is coordinated by the RP and Chemistry organizations. Currently, Chemistry does not have any Fire Brigade qualified individuals on shift.

At CNS, shift RP personnel are not assigned to the fire brigade.

At MNS, shift RP personnel are not assigned to the fire brigade.

**Enclosure 1**

**Request for Additional Information Related to LAR dated July 28, 2010 on  
Duke Energy Emergency Plans On-Shift Staffing and Augmentation Times**

**Attachment 1**

**Oconee Emergency Response Organization and Emergency Services Training  
Program ERTG-001, Rev. 22**

**Training Division**

**Prepared By** L. E. Garrett

**Approved By** D. Mc Neely

**Original Date** 4-10-96

**Revised Date** 09/21/10

**Reviewed By** R. Waterman

***Oconee Training Division Training Guide***

**Emergency Response Organization and  
Emergency Services Training Program**

<b>Note: A 10CFR50.54(q) evaluation shall be completed by the Emergency Planning Manager prior to approval of changes to this document.</b>
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**1.0 Purpose**

This guideline provides specific details beyond ETQS Standard 7111.0 detailing how Emergency Response Organization (ERO) Training is implemented and administered at Oconee Nuclear Station.

**2.0 Scope**

This training guide applies to all Oconee Nuclear Station employees who are members of the Emergency Response Organization. Offsite Agency training is addressed in Section 6.0 and Enclosure 7.11.

**3.0 References**

ETQS Standard 7111.0, Emergency Response Training  
10CFR50.47 - Emergency Plans  
10CFR50, Appendix E - Emergency Planning & Preparedness  
for Production & Utilization Facilities  
American Nuclear Insurers (ANI) 80-1A, II, 1.7  
Duke Energy, ONS Emergency Plan  
INPO 85-014, Generic Guidance for Emergency Preparedness Program Review  
Emergency Response Organization Listing Report

Fire Protection Training & Qualifications Manual (NGD)  
HAZMAT Response Plan (ONS Emergency Plan Appendix 10)  
NSD117 Emergency Response Organization, Training & Responsibilities  
NSD 224 Severe Accident Management Guidance  
Emergency Planning Functional Area Manual, Section 3.10,  
10CFR50.54(q) Evaluations  
NSD112 Fire Brigade Organization, Training & Responsibilities  
NSD119 Medical Emergency Response Team (MERT) Program  
Organization, Training & Responsibilities

#### **4.0 Responsibilities**

- 4.1 The *Emergency Response Training Instructor* coordinates the implementation and administration of Emergency Response training at Oconee to ensure that it meets the intent of ETQS Standard 7111.0.

#### **5.0 Program Description - Site Training**

- 5.1 *Emergency Planning* will identify to Division Management new positions that need to be filled in the Emergency Response Organization. *Division Management* will be responsible for replacing individuals who rotate off the Emergency Response Organization per NSD 117. It is the responsibility of Division Management to identify individuals to the ERO Contact who are to be assigned/deleted to the Emergency Response Organization. *ERO Contacts*, listed on Enclosure 7.1, will schedule and verify training for designated ERO members.
- 5.2 The "**Emergency Response Organization Listing**" report reflects LMS data. This report is updated by the Training Group, as directed by EP when changes to the emergency response organization are needed. This database lists all qualified ERO members, drill participation, and continuing training requirements, with course completion dates. ERO Contacts can run the "Emergency Response Organization Listing" report as needed from Nuclear LMS reports. This report is also available from the Oconee Training Web Page or Emergency Planning Web Page.
- 5.3 The *ERO Contact* is responsible for the following:
- Using the Emergency Planning Training Matrix to determine the course(s) required for each ERO position staffed by the division
  - Scheduling employees to attend required training

- Verifying initial training has been completed and entered in the LMS Database
- Ensuring that Enclosure 7.2 or electronic ADD/DELETE form is submitted to Emergency Planning upon successful completion of training
- Submitting Enclosure 7.2 or electronic ADD/DELETE form to Emergency Planning to remove individuals from the ERO Listing
- At least monthly, verifying that training is current for each ERO member in their division
- Securing training for individuals whose training is about to expire

*Note: The above referenced "add/delete" forms can now be accessed through the Oconee Training Web Page or Emergency Planning Web Page.*

- 5.4 Applicable *Emergency Response Training Instructor(s)* are responsible for scheduling and publishing classes and notifying Division Schedulers and ERO Contacts as applicable. They are also responsible for developing and delivering emergency response training and notifying the ERO Contact once training is completed.
- 5.5 Training goals of one hundred (100) percent of the primary designated ONS ERO members and ninety (90) percent of the alternates will be used as criteria for training accomplishment.
- 5.6 General Training (Plant Access Training and Fitness For Duty), initial training and continuing training for ERO members will be developed and delivered in accordance with ETQS standards to meet the desired results of the line organization.
- 5.7 Drill participation is one of the methods for ensuring that ERO personnel remain qualified for their position as identified on the ERO Training Matrix. Drills are training oriented and used for developing, testing, and proving skills.
- 5.8 Positions identified on the NRC Performance Indicator List will participate in a drill prior to being placed on the Emergency Response Organization List (qualified list). It is desired that participation take place under the purview of a mentor but not as an observer. Credit for drill participation will be HS0537.

- 5.9 ERO members on the NRC Performance Indicator List who are already ERO qualified, may participate in a drill as a mentor, coach, evaluator, or controller, but not as an observer. Multiple assignees to a given key ERO position could take credit for the same drill if their participation is a meaningful and thorough opportunity to gain proficiency in the assigned position. Credit for drill participation will be HS0537.
- 5.10 Evaluated simulator training evolutions that contribute to the Drill/Exercise Performance Indicator Statistics, could be considered key ERO member participation, and may be used for this indicator.
- 5.11 ERO members in primary positions not on the NRC Performance Indicator List, should observe a drill prior to being placed on the Emergency Response Organization List. Credit for drill observation will be HS0537. Personnel log sheets list specific ERO positions where performers sign for the job implemented during the drill. Those in training add their name to the bottom of the log sheet as an observer.
- 5.12 ERO members attending Tabletop Drills will only receive credit for the tabletop drill (course HS0538). Tabletop drill attendance does not qualify for drill observation or participation (course HS0537).
- 5.13 Emergency Response Continuing Training is required on an annual basis (plus or minus three months) except as noted on the Emergency Response Training Course Description (Enclosure 7.3) list. When testing is required, a passing score of 80% is required.
- 5.14 Emergency Response Procedures under the purview of Emergency Planning which have been revised, will be reviewed by Emergency Planning for training implications. If training is required, Emergency Planning and the Training Department will determine the audience and the training content. Training will be provided prior to procedure implementation for procedure changes which have a major impact on the performance of the job as determined by Emergency Planning.
- 5.15 Notices of terminations should be made to the site Emergency Planning Section for personnel who are terminating or transferring to another site so they can be removed from the ERO Listing. The ERO Contact should forward Enclosure 7.2 or electronic ADD/DELETE form to Emergency Planning.

- 5.16 Only personnel having a valid, Duke Identification card will be allowed to pass through the security gates during an emergency event. The Emergency Coordinator may authorize exceptions. Only trained, qualified ERO personnel will be allowed access to the EOF. Exceptions to training may be authorized by the EOF Director.
- 5.17 Fire Brigade, HAZMAT and MERT training and qualifications are tracked separately from the ERO Listing. All Training Content Summary forms and training attendance sheets will be forwarded by the responsible instructor to the Training Division for data entry.
- 5.18 Fire Brigade training and drill participation is administered and conducted in accordance with the Fire Protection Training & Qualification Manual and NSD 112 "Fire Brigade Organization, Training and Responsibilities."
- 5.19 The Fire Brigade Annual Practical Training is scheduled through the Operations Training Section with concurrence by the EP Program Administrator. The Training Division Fire Brigade/Haz Mat Instructor is responsible for conducting the training.
- 5.20 Unannounced fire drills are planned, scheduled and conducted by the *EP Program Administrator*. The Operations Shift Manager reviews the schedule for concurrence.
- 5.21 HAZMAT training is scheduled and conducted by the Training Division Fire Brigade/Haz Mat Instructor.
- 5.22 The *EP Program Administrator* and *Security* jointly schedules MERT training. The Security Group is responsible for conducting or obtaining qualified non-Duke training services to teach MERT training.
- 5.23 Severe Accident Management Guideline (SAMG) training will be provided to those positions identified on the training matrix. Initial and continuing SAMG training may be accomplished either through formal classroom training or by completing the SAMG CBT per the training matrix.
- Qualified OTC Operations Instructors will normally conduct formal classroom training. The Emergency Planning Instructor is responsible for coordination of these classes.
  - The Emergency Planning Instructor will administer the SAMG CBT training program.

- The Emergency Planning Instructor is responsible for maintaining the SAMG CBT to ensure that changes are incorporated. The Online & Print Services group in the GO is the contact for CBT program revisions.
  - Revisions to SAMG CBT may be identified through student feedback or other input from subject matter experts
  - The ONS Operations Support Group SAMG SME (Senior Engineer) shall review and approve all proposed SAMG CBT changes
  - The General Office (GO) Accident Assessment Group is responsible for developing and providing SAMG continuing training for applicable personnel in the Accident Assessment Group at the GO.
  - Operations Shift Manager and Control Room Staff are considered as SAMG "Implementors" and participate in SAMG drills (HS0556) as offered for their shift rotation schedule.
  - Shift Technical Advisors, who are considered as SAMG Evaluators, are required to participate in a SAMG drill (HS0556) once every five years.
- 5.24 Security Force personnel are trained in emergency response in accordance with applicable portions of the Duke Energy Nuclear Security and Contingency Plan, Security Procedures, and Security EQS Training and Qualification Manual.
- 5.25 Security Officers complete initial emergency response training during the Basic Security Officer training. This training is documented in LMS (Learning Management System). No additional training is required other than Facility Specific training for positions as indicated on the OSC training matrix and PATFQ-N/RWTFQ-N conducted during annual GET.
- 5.26 Some Security personnel may be assigned specific responsibilities such as OSC Security Liaison and JIC Access and Control. These personnel will be trained annually in accordance with Security EQS standards and documented accordingly. These personnel will also participate in emergency response quarterly drills as indicated on the attached training matrix.
- 5.27 The Operations Training Group will teach applicable courses identified on the Control Room Training Matrix. Records of this training will be maintained in accordance with applicable ETQS standards.



## 6.0 Program Description - Offsite Agency Training

- 6.1 Training is provided to the agencies listed in the Emergency Plan that have an agreement with the Oconee Nuclear Site for their support in the event of a radiological emergency. Agencies and required frequency of training are listed on the Offsite Agency Training Matrix.
- 6.2 Records of training provided to offsite groups will be maintained by the Training Division.
- 6.3 Medical/Rescue support training will be coordinated through the Site *Emergency Planning Manager* and the *Associate Administrator/Designee at Oconee Medical Center*. Participants include Oconee Medical Center Emergency Room Staff, Oconee Medical Center Emergency Medical Services, and local physicians who have signed agreements to provide emergency medical service.
- 6.4 Fire - Rescue Agency support training is coordinated through the Site *Emergency Planning Manager* with the *chiefs* of the designated volunteer fire departments. Training is offered to participating personnel from the county volunteer fire departments in Oconee and Pickens counties.
- 6.5 The Emergency Planning Contact from the Nuclear Regulatory Issues and Industry Affairs group or site Emergency Planning is responsible for coordinating and conducting annual Government Agency Training. This training is offered to all of the risk and host counties that support Oconee Nuclear Site as well as S. C. Emergency Management Division, and the NRC and FEMA. The original training roster and training materials are submitted to the Oconee Training Support group for entry into the LMS database and storing in NEDL system. Oconee EP also submits copies of these records to South Carolina State EMD. (Reference PIP O-01-00167)
- 6.6 Training for participating personnel from the Law Enforcement Agencies is provided by the *Security Section* at Oconee Nuclear Site. The site *Training Division* provides information concerning emergency preparedness for radiological incidents to those participants.
- 6.7 Offsite Agency participants who attend training session(s) will constitute the required emergency response training required by the Site Emergency Plan.

## **7.0 Enclosures**

- 7.1 Designated ERO Contact List
- 7.2 Adding/Deleting ERO Members on the ERO Listing Report
- 7.3 Emergency Response Training Course Descriptions
- 7.4 EP Training Matrix - Control Room
- 7.5 EP Training Matrix - TSC
- 7.6 EP Training Matrix - OSC
- 7.7 EP Training Matrix - Fire Brigade
- 7.8 EP Training Matrix - Hazmat
- 7.9 EP Training Matrix - MERT
- 7.10 EP Training Matrix - Offsite Agencies

## DESIGNATED ERO CONTACT LIST

### **Chemistry**

Susan Perry [OCE209, OCE210, OCE219]

### **Engineering**

Cathy Bishop Reactor Electrical Systems (RES) [OCE215, OCE305]  
Debbie Hodges Mod Group [OCE306, OCE307]  
Jackie Hunter IT/MCE/Design Basis Group [OCE216, OCE225, OCE302,  
OCE304, OCE313, OCE422, OCE424<sup>(1)</sup>]  
Joy Wriston Back-up for MCE

### **Maintenance**

Phil Richardson [OCE204]  
Angie Powell [OCE203]

### **Operations**

Tony Lee  
Donna Smith [OCE211, OCE303, OCE311, OCE401, OCE402, OCE403, OCE404,  
OCE405, OCE406]

### **Nuclear Supply Chain**

Cindy Gordon [OCE213, OCE230]

### **Site Services**

Lu Smith [OCE220, OCE221, OCE231]

### **Radiation Protection & Bartlett**

Jackie Chapman [OCE205, OCE206, OCE207, OCE218, OCE222, OCE309, OCE426]

### **Safety Assurance (EH&S, EP, RC, SR)**

Teresa Merck [OCE223, OCE229, OCE310, OCE312, OCE423]

### **Safety Assurance - (Security)**

Tom Stipe [OCE208, OCE 217, OCE421]

### **Training**

Diane Perry (OTC) [OCE316]  
Sara Morse (MTF) [OCE308]  
Lamar Garrett (OOB) [OCE314]

### **VP Staff**

Kim Crowe [OCE301]

### **Work Control/Business Group (FMT Drivers)**

Janice Butts [OCE201, OCE202, OCE228, OCE427]  
Gail Porter [OCE427]

### **World of Energy**

Sandra Magee  
Tina Worley (CCR) [OCE166, OCE173, OCE176, OCE421, OCE422, OCE425]

NOTE <sup>(1)</sup>: OCE424 will participate in all NRC Graded Exercises and the drill prior to the Exercise for practice purposes. This position will also participate in the off year practice drills. These will be announced by the EP drill director

## Adding/Deleting ERO Members on the ERO Listing Report

	Employee Name	Empl ID #	Trng Prog #	Assigned ERO Position	Add or Drop
1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
6	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

ERO Contact Name (person submitting form)



## EMERGENCY RESPONSE TRAINING COURSE DESCRIPTIONS

COURSE ID NUMBER	REQUAL PERIOD	COURSE DESCRIPTION
ENN623	Every 365 days      Note 1	Hazardous Waste Contingency Plan Training
HS0110	Initial	Basic Respiratory
HS0111	12 months	Respiratory Bypass
HS0113	12 months	Self-Contained Breathing Apparatus (SCBA) Initial Training
HS0217	Every 3 years      Note 2	Confined Space Entrant/Attend
HS0250	Initial	HAZMAT Initial Training
HS0251	12 months      Note 3	HAZMAT Annual Refresher Training
HS0300	Initial      Note 4	Initial Fire Brigade Training
HS0537	24 months $\pm$ 6 months	Emergency Plan Exercise/Drills
HS0540	Initial	Community Relations Emergency Response
HS0543	12 months $\pm$ 3 months	Government Agency Training
HS0545	12 months	Blood Borne Pathogens Training
HS0546	12 months	Blood Borne Pathogens - Questions & Answer Session
HS0556	5 years $\pm$ 1 year      Note 5	Severe Accident Management Guideline (SAMG) Annual Drill
MC3077	Initial	Position Specific Accident Assessment Manager
MC3090	Initial	EOF Radiological Assessment Manager Position Specific
MC3092	Initial	EOF Accident Assessment Interface Position Specific
OCC043	12 months $\pm$ 3 months	Emergency Response Yearly Update (Chemistry Continuing Training)
OCI507	2 years $\pm$ 6 months	Appendix R Training
OC1030	12 months $\pm$ 3 months	Radiation Protection Emergency Response (ETQS-RP-111 - RP ERO Functions & Responsibilities during an Emergency)
OC1031	12 months $\pm$ 3 months	Information Transmission to Offsite Groups
OC1793	12 months $\pm$ 3 months	RP Field Monitoring (ETQS RP-121 - Field Monitoring During Emergency/ Drill Conditions within the Ten Mile EPZ)
OC2242	12 months $\pm$ 3 months	Emergency Coordinator Training
OC2595	12 months $\pm$ 3 months	Offsite Dose Calculation Training
OC3704	Initial	Chemistry Initial Emergency Response Training
OC4858	Initial	Fire Brigade Onsite Familiarization (Walk-Thru)
OC6310	Each Calendar Year	Fire Brigade Training – Annual Practical (APT)
OC6312	2 drills per year	1st Quarter Fire Brigade Drill
OC7842		2nd Quarter Fire Brigade Drill
OC7843		3rd Quarter Fire Brigade Drill
OC7844		4th Quarter Fire Brigade Drill
OC6313	12 months $\pm$ 3 months	Annual Offsite Fire Department Drill
OC6316	Each Calendar Year	MERT Requal
OC6498	Initial	Nuclear Supply Chain Liaison - Emergency Response Training
OC6560	12 months $\pm$ 3 months	Nuclear Engineering Emergency Response
OC6792	12 months $\pm$ 3 months	Maintenance SPOC Team Emergency Response
OC6851	Initial	TSC - Position Specific - TSC NRC Communicator
OC6973	12 months $\pm$ 3 months	Keowee Hydro Emergency Response
OC6948	As Needed	Table Top Drills
OC7017	Initial	DOT First Responder

COURSE ID NUMBER	REQUAL PERIOD	COURSE DESCRIPTION
OC7018	2 drills per year Note 6	HAZMAT Drill (2 separate drills annually)
OC7070	12 months $\pm$ 3 months	Radiological Emergency Response Training for area Hospitals & EMS
OC7098	Initial	OSC - Position Specific - Electrical System/Equipment Engineer
OC7099	Initial	OSC - Facility Specific Training
OC7104	Initial	TSC - Position Specific - Emergency Coordinator
OC7112	Initial	TSC - Facility Specific Training
OC7114	Initial	TSC - Position Specific - Operations Superintendent
OC7122	Initial	TSC - Position Specific - TSC/OSC Liaison
OC7140	Initial	TSC - Position Specific - Technical Assistant to the Emergency Coordinator
OC7157	Initial	OSC - Position Specific - OSC Manager
OC7194	Initial	TSC/OSC/EOF - Position Specific - Information Technology
OC7226	12 months $\pm$ 3 months Note 7	Fire Brigade Leader Training
OC7227	24 months Note 8	Severe Accident Management Guideline (SAMG) Overview ( SAMG Overview CBT- refresher training as identified in matrix )
OC7229	2 years $\pm$ 6 months Note 9	Severe Accident Management Guideline (SAMG) CBT (Self Paced Course) or formal classroom training
OC7230	Initial	Severe Accident Management Guideline - 3 day course for Operator Instructors
OC7231	As needed	Severe Accident Management Guideline - Table Top Drill
OC7274	Initial	TSC - Position Specific - Engineering Manager
OC7287	12 months $\pm$ 3 months Note 10	1 <sup>st</sup> Quarter Fire Brigade Classroom Training
OC7288	12 months $\pm$ 3 months Note 10	2 <sup>nd</sup> Quarter Fire Brigade Classroom Training
OC7289	12 months $\pm$ 3 months Note 10	3 <sup>rd</sup> Quarter Fire Brigade Classroom Training
OC7290	12 months $\pm$ 3 months Note 10	4 <sup>th</sup> Quarter Fire Brigade Classroom Training
OC7296	12 months $\pm$ 3 months	Hazmat Awareness Training
OC7304	As needed	RP/0/B/1000/02 - Procedure Changes
OC7305	12 months $\pm$ 3 months	Offsite Fire Department Classroom Training
OC7318	Each Calendar Year	Automated External Defibrillator Training
OC7319	Initial	OSC - Position Specific - Technical Assistants I & II
OC7380	As needed	RP/0/B/1000/19 - Procedure Changes
OC7453	Initial	OSC Maintenance Manager – Initial Position Specific Training
OC7518	12 months $\pm$ 3 months	Confined Space Rescue Training
OC7550	Initial Note 15	TSC Ops Superintendent Assistant – Initial Position Specific Training
OC7561	Initial	TSC Emergency Planner – Initial Position Specific Training
OC7588	Initial	ERO Field Monitoring Coordinator Initial Training
OC7599	Initial	TSC Engineering Manager Assistant - Initial Position Specific Training
OC7618	Every 2 years	Security Presentation to the Local Law Enforcement Agencies
OC7618	Every 2 years	Radiological Response Trng. for Local Law Enforcement Agencies
OC7678	Initial	Field Monitoring Team Van Driver – Initial Position Specific Training
OC7764	Every 2 years Note 11	CPR Training (American Heart Association - Healthcare Provider)
OC7794	Initial	State County EOC Liaison Position Specific Training
OC8142	2 years $\pm$ 6 months	Extensive Damage Mitigation Guidelines
OC8171	Initial Note 16	Oconee Systems Overview (for EOF personnel)
OC8227	Initial Note 8	Severe Accident Management Guideline (SAMG) Introduction ( SAMG Introduction CBT - prerequisite for OC8229 CBT )
OC8229	Initial Note 9	Severe Accident Management Guideline (SAMG) CBT (Self Paced CBT which fulfills to course OC7229-N)

<b>COURSE ID NUMBER</b>	<b>REQUAL PERIOD</b>	<b>COURSE DESCRIPTION</b>
OMP 3-08	Initial	Operations Shift Manager Initial Training Program
OP-OC-EAP-SEP	Note 12	Station Emergency Plan (Emergency & Abnormal Procedures)
OP-OC-SAER-027	Note 12	Operations Shift Manager Implementation of Site Emergency Plan for Un-Announced Casualties – OP-OC-SAER-027 Exercise Guide
TTC471-N	12 months (note 13)	Annual ERO Refresher/Update - CBT
PATFQ-N RWTFQ-N	12 months	Radiation Worker Training Bypass (INPO ACAD Document 93-009) - Includes PAT Emergency Response Training

**Notes:**

- (1) ENN623 - Initial Training required within 6 months of job assignment and refresher training required upon revision of Contingency Plan OR at least every 365 days for Large Quantity Hazardous Waste Generators.
- (2) HS0216 "Confined Space Entrant" has been rolled into Course HS0217 "Confined Space Entrant/Attend". Training for employees designated to perform technical rescue.
- (3) HS0251 replaces OC6905 - Each member required to participate in at least one (1) eight hour session annually.
- (4) HS0300 is coordinated and taught by the Fire Brigade Instructors from all three Nuclear Sites. HS0300 also includes Course HS0113 (SCBA).
- (5) HS0556 SAMG Drill required within 5 years of initial qualification & ERO assignment for current position. Ops Control Room personnel (SAMG Implementors) participate as offered by Shift Rotation Schedule. STAs (SAMG Evaluators) participate once every five years in SAMG drill. Drill credit may be received for formal SAMG classroom training which includes a scenario for the students to work through.
- (6) OC7018 - The HAZMAT Team will participate in two (2) separate drills annually with one involving a petroleum (oil) spill. Participation is not required but desired for Team Members in these drills.
- (7) OC7226 - Training for Fire Brigade Leaders only.
- (8) OC7227-N - CBT continuing/refresher training required biennially for specific positions identified in matrix. OC8227-N - CBT initial training required as a prerequisite for OC8229 CBT
- (9) OC7229-N – SAMG Training course required within 3 months of job assignment. OC8229-N - SAMG CBT which fulfills to course OC7229-N and may be used to meet SAMG training requirement. OC8227-N is required as a prerequisite.
- (10) OC7287, OC7288, OC7289, OC7290 - One of the quarterly sessions will include the "Annual Practical"
- (11) OC7764 "CPR Training - American Heart Association" replaces HS0042 "CPR Training - American Red Cross" (used only at CNS/MNS).
- (12) Continuing training for OSMs/Reliefs is met through the Operator Continuing Training Program (Re: Operations Shift Manager Implementation of Site Emergency Plan for Unannounced Casualties - OP-OC-SAER-027 & OP-OC-EAP-SEP Station Emergency Plan)
- (13) TTC471-N is a CBT required annually by ERO members participating in PATFQ-N/RWTFQ-N. CBT is NOT required for personnel completing TTN386 annually. With implementation of NANTeL, ERO information required to be reviewed annually is no longer available through the PAT/RWT resource.

- (15) OC7550 is also provided as initial training for the TSC Ops Interface Manager. The Interface Manger position will supplement the Asst. Ops. Supt. position while maintaining responsibility as the primary contact person for the EOF Accident Assessment group.
- (16) OC8171 ONS Systems Overview is specifically for EOF personnel who have MNS/CNS systems experience and who are in ERO positions which need comparable ONS systems knowledge to make relative judgments.



# CONTROL ROOM

## OCONEE

POSITION TITLE	GENERAL TRAINING		INITIAL				CONTINUING			
	EP PORTION	FFD	FACILITY SPECIFIC	POSITION SPECIFIC	DRILL Participation	GROUP RESPONSIBLE FOR TRAINING	POSITION SPECIFIC TRAINING	DRILLS		GROUP RESPONSIBLE FOR TRAINING
Ops Shift Manager/ Emergency Coord. SAMG Implementor - see Note 4	PATFQ-N RWTFQ-N	Required	Not Required	ENN623 OC8227 OC7229 OC8142 TTC471-N OMP 3-08 Notes 1,2,6	HS0537	Training - ENV Training - EP Training - EP Trng/OTC & EP Training - OTC	ENN623 OC1031 OC7229 OC8142 TTC471-N Notes 1, 2, 6 PATFQ-N/RWTFQ-N	HS0537	HS0556 Note 4	Training - ENV Training - EP Training - EP Training - OTC Training - GET
Offsite Communicator	PATFQ-N RWTFQ-N			OC1031 TTC471-N	HS0537		OC1031 TTC471-N	HS0537		
Shift Tech Advisor  SAMG Evaluator	PATFQ-N RWTFQ-N	Required	Not Required	OC8227 OC7229 OC8142 TTC471-N Notes 1,3,6		Training - OTC	OC7229 OC8142 TTC471-N Notes 1, 3, 6 PATFQ-N/RWTFQ-N	HS0537	HS0556 Note 5	Training - OTC Training - GET
OPS SRO: ENS Communicator Log keeper  Offsite Communicator	PATFQ-N RWTFQ-N	Required	Not Required	OC8227 OC7229 OC8142 TTC471-N OC1031 Notes 1,6		Training - OTC Training - OTC Training - OTC  Training - EP	OC7229 OC8142 OC1031 TTC471-N Note 1, 6 PATFQ-N/RWTFQ-N		HS0556 Note 4	Training EP/OTC Training - EP Training - OTC Training - GET
OPS RO: Offsite Communicator Log keeper	PATFQ-N RWTFQ-N	Required	Not Required	OC1031 Note 1 TTC471-N		Training - EP Training - OTC	OC1031 TTC471-N Note 1 PATFQ-N/RWTFQ-N		HS0556 Note 4	Training - EP Training - OTC Training - GET

## CONTROL ROOM OCONEE

POSITION TITLE	GENERAL TRAINING		INITIAL				CONTINUING			
			FACILITY SPECIFIC	POSITION SPECIFIC	DRILL Participation	GROUP RESPONSIBLE FOR TRAINING	POSITION SPECIFIC TRAINING	DRILLS		GROUP RESPONSIBLE FOR TRAINING
	EP PORTION	FFD						DRILL EVERY 2 YR	SAMG DRILL EVERY 5 YR	
OPS-NLO: Offsite Communicator Log keeper	PATFQ-N RWTFQ-N	Required	Not Required	OC1031 TTC471-N Note 1		Training - EP Training - OTC	OC1031 TTC471-N Note 1 PATFQ-N/RWTFQ-N			Training - EP Training - OTC Training - GET
Keowee Operators	PATFQ-N RWTFQ-N	Required	Not Required	OC6973 TTC471-N		Training - EP	OC6973 PATFQ-N/RWTFQ-N TTC471-N			Training - EP Training - GET

- Notes:** (1) Initial & Continuing Training is met thru the Operations License & Requal Programs (re: OTC Lesson Plan OP-OC-EAP-SEP "Emergency Plan"; OMP 3-08 "Operations Shift Manager Initial Training Program". *Note:* OMP 3-08 is administered/conducted by the OTC & certain portions are accomplished by the Emergency Planning Manager).
- (2) Operator Training - Simulator (re: OTC Exercise Guide OP-OC-SAER-027 "Operations Shift Manager Implementation of Site Emergency Plan for Unannounced Casualties"). Objectives listed in OP-OC-SAER-027 are linked to previous OC2242 (Classification, PAR, Notifications) and will only be revised by EP Manager approval.
- (3) Initial & Continuing Training for the Shift Work Manager is met thru the Operator STA Program.
- (4) HS0556 - Control Room Staff & OSC Staff fulfill the role of SAMG Implementor and participate in SAMG drill as offered by their shift rotation schedule. Drill credit may be received for formal SAMG classroom training which includes a scenario for the students to work through.
- (5) HS0556 - STAs (SAMG Evaluators) participate in SAMG drills every 5 years.
- (6) OC7229 - SAMG training will be factored into the Operations Initial and Continuing Training Programs.
- (7) All training provided by the Operations Training Group will be documented & tracked through the normal OTC Training Program.

# TSC

## OCONEE TECHNICAL SUPPORT CENTER - ERO TRAINING

POSITION TITLE	GENERAL TRAINING		INITIAL				CONTINUING			
	EP PORTION	FFD	FACILITY SPECIFIC	POSITION SPECIFIC	DRILL Participation	GROUP RESPONSIBLE FOR TRAINING	POSITION SPECIFIC TRAINING	DRILL EVERY 2 YR	SAMG DRILL EVERY 5 YR	GROUP RESPONSIBLE FOR TRAINING
Emergency Coord.  <i>SAMG Decision Maker</i>	UA0LII	Required	OC7112	ENN623 OC7104 OC8227 OC7229 OC8142 TTC471-N	HS0537	Training - ENV Training - EP Training - EP Training - EP	ENN623 OC2242 OC7229 OC8142 PATFQ-N/RWTFQ-N TTC471-N	HS0537	HS0556	Training - ENV Emerg Planning Training - EP Training - GET
Tech. Assistant to Emergency Coord.	PATFQ-N RWTFQ-N	Required	OC7112	OC7140 OC8227 TTC471-N		Training - EP	PATFQ-N/RWTFQ-N TTC471-N	HS0537		Training - GET
Operations Supt. <i>SAMG Decision Maker / Support</i>	PATFQ-N RWTFQ-N	Required	OC7112	OC8227 OC7229 OC7114 OC8142 TTC471-N	HS0537	Training - EP	OC7229 PATFQ-N/RWTFQ-N TTC471-N OC8142	HS0537	HS0556	Training - GET
Ops Supt. Assistant <i>(Ops Representative) SAMG Evaluator</i>	PATFQ-N RWTFQ-N	Required	OC7112	OC8227 OC7229 OC7550 OC8142 TTC471-N		Training - EP	OC7229 PATFQ-N/RWTFQ-N TTC471-N OC8142	HS0537	HS0556	Training - EP Training - GET
Ops Interface Mgr. <i>(supplements Ops Supt. Asst.)</i>	PATFQ-N RWTFQ-N	Required	OC7112	OC8227 OC7229 OC7550 OC8142 TTC471-N		Training - EP	OC7229 PATFQ-N/RWTFQ-N TTC471-N OC8142	HS0537	HS0556	Training - EP Training - GET
Engineering Mgr. <i>SAMG Decision Maker / Support</i>	PATFQ-N RWTFQ-N	Required	OC7112	OC8227 OC7229 OC7274 OC8142 TTC471-N	HS0537	Training - EP	OC7229 PATFQ-N/RWTFQ-N TTC471-N OC8142	HS0537	HS0556	Training - GET
Engineering Mgr. Assistant	PATFQ-N RWTFQ-N	Required	OC7112	OC8227 OC7599 OC8142 TTC471-N		Training - EP	PATFQ-N/RWTFQ-N TTC471-N OC8142	HS0537		Training - GET
Reactor Engineering  <i>SAMG Evaluator</i>	PATFQ-N RWTFQ-N	Required	OC7112	OC8227 OC7229 OC6560 TTC471-N	HS0537	Training - EP	OC7229 OC6560 PATFQ-N/RWTFQ-N TTC471-N	HS0537	HS0556	Training - ESP & Nuclear Eng Training - GET

# TSC

## OCONEE TECHNICAL SUPPORT CENTER - ERO TRAINING

POSITION TITLE	GENERAL TRAINING		INITIAL				CONTINUING			
	EP PORTION	FFD	FACILITY SPECIFIC	POSITION SPECIFIC	DRILL Participation	GROUP RESPONSIBLE FOR TRAINING	POSITION SPECIFIC TRAINING	DRILL EVERY 2 YR	SAMG DRILL EVERY 5 YR	GROUP RESPONSIBLE FOR TRAINING
TSC/OSC Liaison	PATFQ-N RWTFQ-N	Required	OC7112	OC8227 OC7122 TTC471-N		Training - EP	PATFQ-N/RWTFQ-N TTC471-N	HS0537		Training - GET
TSC/OSC Liaison Assistant	PATFQ-N RWTFQ-N	Required	OC7112	OC7227 OC7122 TTC471-N		Training - EP	PATFQ-N/RWTFQ-N TTC471-N			Training - GET
Offsite Communicator	PATFQ-N RWTFQ-N	Required	OC7112	OC8227 OC1031 TTC471-N	HS0537	Training - EP	OC1031 PATFQ-N/RWTFQ-N TTC471-N	HS0537		Training - EP Training - GET
Dose Assessment Liaison	PATFQ-N RWTFQ-N	Required	OC7112	OC8227 OC2595 TTC471-N	HS0537	Training - EP Training - T&E	OC2595 PATFQ-N/RWTFQ-N TTC471-N	HS0537		Training - T&E Training - GET
TSC NRC Communicator	PATFQ-N RWTFQ-N	Required	OC7112	OC8227 OC6851 TTC471-N		Training - EP	PATFQ-N/RWTFQ-N TTC471-N	HS0537		Training - GET
Public Spokesperson	(See EOF Matrix)									
IT TSC/OSC/EOF	PATFQ-N RWTFQ-N	Required	OC7099	OC7194 TTC471-N		Training - EP	PATFQ-N/RWTFQ-N TTC471-N			Training - GET
Emergency Planning	PATFQ-N RWTFQ-N	Required	OC7112	OC8227 OC7561 TTC471-N		Training - EP	PATFQ-N/RWTFQ-N TTC471-N	HS0537		Training - GET

# OSC

## OCONEE OPERATIONAL SUPPORT CENTER - ERO TRAINING

POSITION TITLE	GENERAL TRAINING		INITIAL				CONTINUING			
	EP PORTION	FFD	FACILITY SPECIFIC	POSITION SPECIFIC	DRILL Participation	GROUP RESPONSIBLE FOR TRAINING	POSITION SPECIFIC TRAINING	DRILL EVERY 2 YR	SAMG DRILL EVERY 5 YR	GROUP RESPONSIBLE FOR TRAINING
OSC Manager (Work Control - SAMG Implementor *	PATFQ-N RWTFQ-N	Required	OC7099	OC8227 OC7229 OC7157 TTC471-N	HS0537	Training - EP	OC7229 PATFQ-N/RWTFQ-N TTC471-N	HS0537	HS0556	Training - GET
Tech Assistant I & II (Work Control)	PATFQ-N RWTFQ-N	Required	OC7099	OC7319 TTC471-N		Training - EP	PATFQ-N/RWTFQ-N TTC471-N	HS0537		Training - GET
Maintenance Mgr.	PATFQ-N RWTFQ-N	Required	OC7099	OC7453 TTC471-N		Training - EP	PATFQ-N/RWTFQ-N TTC471-N	HS0537		Training - GET
SPOC Shift Supv.	PATFQ-N RWTFQ-N	Required	OC7099	OCI507 OC6792 OC7157 TTC471-N		Training - EP	OCI507 OC6792 PATFQ-N/RWTFQ-N TTC471-N			Training - Maint Training - EP Training - GET
SPOC Maintenance & Craft	PATFQ-N RWTFQ-N	Required	OC7099	OCI507 OC6792 TTC471-N		Training - EP	OCI507 OC6792 PATFQ-N/RWTFQ-N TTC471-N			Training - Maint Training - EP Training - GET
Maint. Craft Tech.	PATFQ-N RWTFQ-N	Required	OC7099	TTC471-N		Training - EP	PATFQ-N/RWTFQ-N TTC471-N			Training - GET
RP Manager	PATFQ-N RWTFQ-N	Required	OC7099	OC1030 TTC471-N	HS0537	Training - EP & RP Instructor	OC1030 PATFQ-N/RWTFQ-N TTC471-N	HS0537		Training - RP Training - GET
RP Staff: RPM Assist. RP Shift Supv. RP S&C Supv. RP Radio/Board RP Dosimetry	PATFQ-N RWTFQ-N	Required	OC7099	OC1030 TTC471-N		Training - EP & RP Instructor	OC1030 PATFQ-N/RWTFQ-N TTC471-N			Training - RP Training - GET
RP Craft Tech	PATFQ-N RWTFQ-N	Required	OC7099	OC1030 TTC471-N		Training - EP & RP Instructor	OC1030 PATFQ-N/RWTFQ-N TTC471-N			Training - RP Instructor & GET

# OSC

## OCONEE OPERATIONAL SUPPORT CENTER - ERO TRAINING

POSITION TITLE	GENERAL TRAINING		INITIAL				CONTINUING			
	EP PORTION	FFD	FACILITY SPECIFIC	POSITION SPECIFIC	DRILL Participation	GROUP RESPONSIBLE FOR TRAINING	POSITION SPECIFIC TRAINING	DRILL PARTICIPATION EVERY 2 YR	SAMG DRILL EVERY 5 YR	GROUP RESPONSIBLE FOR TRAINING
Field Monitoring Team	PATFQ-N RWTFQ-N	Required		OC1030 OC1793 TTC471-N		Training - EP & RP Instructor	OC1030 OC1793 PATFQ-N/RWTFQ-N TTC471-N			Training - RP  Training - GET
FMT Drivers	PATFQ-N RWTFQ-N	Required + Respiratory		OC7678 TTC471-N		Training - EP	PATFQ-N/RWTFQ-N TTC471-N	HS0537		Training - GET
Bartlett Nuclear	PATFQ-N RWTFQ-N	Required		TTC471-N			PATFQ-N/RWTFQ-N TTC471-N			Training - RP
Chemistry Manager	PATFQ-N RWTFQ-N	Required	OC7099	OC3704 TTC471-N		Training - EP	OCC043 PATFQ-N/RWTFQ-N TTC471-N	HS0537		Training - Chem Training - GET
Chemistry Staff: Chemistry Area Mgr. Sr. Scientist	PATFQ-N RWTFQ-N	Required	OC7099	OC3704 TTC471-N		Training - EP	OCC043 PATFQ-N/RWTFQ-N TTC471-N			Training - Chem Training - GET
Chemistry Craft Tech.	PATFQ-N RWTFQ-N	Required	OC7099	OC3704 TTC471-N		Training - EP	OCC043 PATFQ-N/RWTFQ-N TTC471-N			Training - Chem Training - GET
Security OSC Security Liaison	PATFQ-N RWTFQ-N	Required	OC7099	Security EQS TTC471-N		Training - EP Security	Security EQS PATFQ-N/RWTFQ-N TTC471-N	HS0537		Security Training - GET
Security Shift Officers	PATFQ-N RWTFQ-N	Required	Not Required	Security EQS TTC471-N		Security	PATFQ-N/RWTFQ-N TTC471-N			Security Training - GET
Operations Liaison (currently/previously licensed operator)	PATFQ-N RWTFQ-N	Required	Not Required	TTC471-N			PATFQ-N/RWTFQ-N TTC471-N	HS0537		Training - GET
NSC Liaison	PATFQ-N RWTFQ-N	Required	OC7099	OC6498 TTC471-N		Training - EP	PATFQ-N/RWTFQ-N TTC471-N	HS0537		Training - GET
NSC Support	PATFQ-N RWTFQ-N	Required	OC7099	TTC471-N		Training - EP	PATFQ-N/RWTFQ-N TTC471-N			Training - GET

# OSC

## OCONEE OPERATIONAL SUPPORT CENTER - ERO TRAINING

POSITION TITLE	GENERAL TRAINING		INITIAL				CONTINUING			
	EP PORTION	FFD	FACILITY SPECIFIC	POSITION SPECIFIC	DRILL Participation	GROUP RESPONSIBLE FOR TRAINING	POSITION SPECIFIC TRAINING	DRILLS		GROUP RESPONSIBLE FOR TRAINING
								DRILL PARTICIP ATION EVERY 2 YR	SAMG DRILL EVERY 5 YR	
Electrical Engineer Equipment Manager	PATFQ-N RWTFQ-N	Required	OC7099	OC7098 TTC471-N		Training - EP	PATFQ-N/RWTFQ-N TTC471-N	HS0537		Training - GET
Engineering Support	PATFQ-N RWTFQ-N	Required	OC7099 or OC7112	TTC471-N		Training - EP	PATFQ-N/RWTFQ-N TTC471-N			Training - GET
Telecommunications	PATFQ-N RWTFQ-N	Required	Not Required	TTC471-N			PATFQ-N/RWTFQ-N TTC471-N			Training - GET
OSC HAZMAT Team (See Hazmat Matrix)										
Safety	PATFQ-N RWTFQ-N	Required	Not Required	TTC471-N			PATFQ-N/RWTFQ-N TTC471-N			Training - GET

## INITIAL FIRE BRIGADE TRAINING MATRIX

GENERAL		INITIAL			
RAD. WORKER TRAINING	RESPIRATORY	FACILITY SPECIFIC	POSITION SPECIFIC	DRILL PARTICIPATION	GROUP RESPON. FOR TRAINING
X (Note 1)	X (Note 2)	NA	ENN623 HS0300 HS0306 OC-4858 OC-7296 TTC-471-N (Note 3)	NA	Training Support Emergency Planning Coordinator

*Note 1:* Must maintain current RWTFQ.

*Note 2:* Must maintain current either HS0110 or HS0111 and HS0113 or HS0116.

*Note 3:* HS0303 - Initial Fire Brigade Leader: Only for those fire brigade members that have completed ISS, 2 years active fire brigade experience and designated by Ops Management.



## CONTINUING FIRE BRIGADE TRAINING MATRIX

	1 <sup>st</sup> Qtr Odd Year	2 <sup>nd</sup> Qtr Odd Year	3 <sup>rd</sup> Qtr Odd Year	4 <sup>th</sup> Qtr Odd Year	Odd Year APT	1 <sup>st</sup> Qtr Even Year	2 <sup>nd</sup> Qtr Even Year	3 <sup>rd</sup> Qtr Even Year	4 <sup>th</sup> Qtr Even Year	Even Year APT
	OC-7287	OC-7288	OC-7289	OC-7290	OC-6310	OC-7287	OC-7288	OC-7289	OC-7290	OC-6310
SCBA* (Note 2)										
PPE					ILB*		X			ILB* / LP Gas\$
Firefighting Foam							X			
Fire Brigade Org. & Response								X		
Fire Behavior & Methods of Extinguishment		X			ILB*					ILB* / LP Gas\$
Portable Fire Extinguishers (Note 3)					ILB*					ILB*
HAZMAT For 1 <sup>st</sup> Responders	X					X				LP Gas\$
Firefighter Safety					ILB*		X			ILB* / LP Gas\$
Incident Command					ILB*			X		ILB*
Fire Hose & Appliances			X		ILB*					ILB* / LP Gas\$
Fire Streams			X							ILB* / LP Gas\$
Fixed Fire Suppression & Detection Systems	X									
Damage Control & Ventilation		X			ILB*					ILB*
Search & Rescue					ILB*					ILB*
Rad. Contam. Fires						X				
Annual FB Leader OC-7226 (note 4)					ILB*					ILB* / LP Gas\$

\* ILB: Interior Live Burn

\$ LP Gas: Flam. Gas Fires

Note 1: Each fire brigade member must participate in at least two drills per year. Drills may be attended at any time during the year. Drills are documented using course codes OC-6312, OC-7842, OC-7843, OC-7844 or OC-6313

Note 2: Must maintain current either HS0110 or HS0111 and HS0113 or HS0116.

Note 3: Fire Ext. Initial (HS-0454) is presented 1st quarter of each year with practical during APT.

Note 4: Conducted in conjunction with APT annually (classroom and practical)

BRIGADE

31 OCT 2022



[illegible]

# OFFSITE AGENCIES

## OCONEE NUCLEAR STATION

POSITION TITLE	GENERAL TRAINING		INITIAL				CONTINUING			
	EP PORTION	FFD	FACILITY SPECIFIC	POSITION SPECIFIC	DRILL Participation	GROUP RESPONSIBLE FOR TRAINING	POSITION SPECIFIC TRAINING	DRILLS		GROUP RESPONSIBLE FOR TRAINING
								DRILL PARTICIPATION EVERY 2 YR	SAMG DRILL EVERY 5 YR	
Oconee Medical Center (Includes Blue Ridge ER Physicians)							OC7070 (Annual)			Training - EP
Cannon Memorial Hospital *							OC7070 (Annual)			Training - EP
Oconee Medical Center - Emergency Medical Services							OC7070 (Annual)			Training - EP
Pickens County EMS *							OC7070 (Annual)			Training - EP
Corinth-Shiloh Fire Dept.							OC6313 OC7305 Annual			Emergency Planning
Keowee-Ebezener Fire Dept.							OC6313 OC7305 Annual			Emergency Planning
Keowee Fire Department							OC6313 OC7305 Annual			Emergency Planning
Six Mile Fire Dept							OC6313 OC7305 Annual			Emergency Planning
LLEA: Oconee County Sheriff Pickens County Sheriff SC Hwy. Patrol SLED							OC7618 - Security Presentation ** OC7618 - Rad. Trng. **			Security  Training - EP
Oconee County EOC - Government Agency Training							HS0543 ***			Corporate - EP
Pickens County EOC Government Agency Training							HS0543 ***			Corporate - EP

- Notes: (1) Training for these agencies is not required but offered as a public service. \*
- (2) Local Law Enforcement Agency (LLEA) training is required every two (2) years. \*\*
- (3) Government Agency Training is required annually. \*\*\*
- (4) General Training (Plant Access) and Initial training are not required for offsite agencies.

**Enclosure 1**

**Request for Additional Information Related to LAR dated July 28, 2010 on  
Duke Energy Emergency Plans On-Shift Staffing and Augmentation Times**

**Attachment 2**

**McGuire Emergency Response Training Program MTP 7111.0, Rev. 8**

## **MTP 7111.0**

### **EMERGENCY RESPONSE (ER) TRAINING PROGRAM**

#### **1 PURPOSE**

This guideline provides specific details beyond ETQS Standard 7111.0 detailing how Emergency Response (ER) Training is implemented and administered at McGuire Nuclear Site (MNS). The overall training program objective is to prepare and maintain a trained organization ready to respond to an emergency by providing quality training commensurate with each individual's emergency assignment.

#### **2 REFERENCES**

- 2.1 ETQS 7111.0, "Emergency Response Training"
- 2.2 NSD 112, "Fire Brigade Organization, Training and Responsibilities"
- 2.3 NSD 117, "ERO Training and Responsibilities"
- 2.4 NSD 119 "Medical Emergency Response Team (MERT) Program Organization, Training and Responsibilities"
- 2.5 MNS Emergency Plan Implementing Procedures
- 2.6 MNS EP Group Manual
- 2.7 MNS Emergency Plan

#### **3 DESCRIPTION**

This training guide applies to all McGuire Site employees who are emergency response members and selected offsite agencies, as specified in Attachment 6.

#### **4 RESPONSIBILITIES**

- 4.1 The Emergency Response Training Instructor coordinates the implementation and administration of Emergency Response Training at McGuire Nuclear Site to ensure that it meets the intent of ETQS Standard 7111.0.
- 4.2 Safety Assurance Line Management (EP Manager) is the owner of the Emergency Response Training Program. Specific responsibilities of line organization include:
  - Defining program content.
  - Monitoring and observing training in all settings.

- Approving training material content.
- Verifying personnel qualifications prior to ER assignments.
- Providing subject-matter expertise for analysis, design, development and implementation of training.
- Identifying initial and continuing training needs.
- Administering vendor supplied training including contract, development/approval, instructor identification, and classroom expenses.
- Notifying ER personnel for training events.
- Evaluating training effectiveness from classroom and drill/exercise performance.
- Analyzing trends of potential training deficiencies (i.e. PIP, OE, etc.)
- Maintaining ERO facility access list (based on training status)
- Maintaining the Emergency Response Training Matrix current.
- Managing Training and Qualification records.
- Ensuring trainees are aware of their training needs.
- Providing input for the development of training plans for the target audience.
- Designing and conducting drill/exercise scenarios.
- Providing coaching and/or evaluating trainee performance during drills as requested by training management.
- Ensuring appropriate priorities are placed on EP training activities by trainees and their management.
- Removing from the ER Qualified Lists those members who do not maintain qualifications.

4.3 Training Support will partner with the EP Line Manager as a support organization charged with providing high quality training to improve performance and meet the objectives of applicable NUREG and CFR documents. Specific responsibilities of

the training organization include:

- Developing and delivering training which achieves the desired results of the line organization.
- Approving training material content.
- Notifying ER personnel for training events.
- Providing trained and qualified instructors who serve as role models while delivering challenging training materials in high quality, innovative ways that enhance learning.
- Partnering with line managers to conduct needs assessments for the target audience.
- Developing and maintaining lesson materials, job aids, handouts, etc.
- Developing and maintaining a master schedule for training classes.
- Modifying training materials (job aids, lesson plans, etc.) as needed due to feedback, operational experience, station changes, etc.
- Ensuring training is properly documented.
- Developing status/roll-up reports for all management observations and student feedback on classroom training.
- Facilitating remediation as specified by line managers.
- Evaluating student performance.
- Supporting the administration of vendor-supplied training including classroom reservations, instructor evaluation and critique, and classroom expenses.
- Reinforcing management expectations in all training settings.
- Developing/maintaining cost-effective sources of hands-on training aids.
- Monitoring/reporting training attendance.
- Providing a single point of contact for line managers and supervisors.



- Facilitating new equipment demonstrations.

## **5 PROGRAM DESCRIPTION - SITE TRAINING**

The Emergency Response Training Program is organized into the following categories:

### **5.1 General Training**

ER members must complete General Training requirements as outlined in the ER Training Matrix. Site ER members will receive this training as part of their annual "Radiation Worker Training" requirement which allows them access into the TSC, OSC and Control Room. This training also includes "Fitness For Duty" (FFD) which fulfills the regulatory requirement that all ER members be subject to random drug testing. In addition, ER members will be required to complete TTN471-N Annual ERO Refresher/Update. (G-08-00027)

Employees of the General Office who respond to the Emergency Operations Facility (EOF) will receive the EP portion of Plant Access Training and FFD as required by the ER Training Matrix for EOF personnel. In addition, ER members will be required to complete TTN471-N Annual ERO Refresher/Update. (G-08-00027)

### **5.2 Initial Training**

Initial training is required for newly assigned individuals prior to becoming a member of the Emergency Response Organization. This training may include Facility Specific, Position Specific, and Drill Participation, as required by the ER Training Matrix. All members of the McGuire Emergency Response Organization will receive Extensive Damage Mitigation (TTC513-N) as part of their initial training (M-08-0009).

Initial training is required for newly assigned individuals prior to becoming a member of the Fire Brigade Organization. This training includes the basic knowledge and skills needed to effectively control and extinguish the types of fires expected at a nuclear site as required by the ER Training Matrix and Fire Protection Training and Qualification Manual.

Initial training is required for newly assigned individuals prior to becoming a member of the HAZMAT Organization. This training includes the basic knowledge and skills needed to effectively mitigate and control HAZMAT incidents as required by the ER Training Matrix and HAZMAT Training and Qualification Manual.

Initial training is required for newly assigned individuals prior to becoming a member of the Medical Emergency Response Team (MERT). This training includes the basic knowledge and skills needed to effectively respond and provide initial treatment to a medical emergency as required by the ER Training Matrix.

Initial training for each position is required only once during a person's service unless:

- Management requests initial training to satisfy a corrective action related to poor drill or exercise performance.
- The individual's training has expired, and initial training is determined to be the method for requalification.

The Emergency Planning Manager has the authority to make exceptions to the normal training requirements. Exceptions to the training shall be used on a limited basis and shall be documented with a memorandum in the site training files.

### 5.3 Continuing Training

As long as the individual serves as an emergency responder, he/she shall receive continuing training, as outlined in the Emergency Response Training Matrix, Fire Protection Training and Qualifications Manual, and/or the HAZMAT Training and Qualifications Manual. Continuing classroom training for selected positions is provided to maintain and improve emergency response knowledge and skills, including the following:

- Changes in emergency preparedness policies, plans, procedures, facilities and equipment.
- Industry emergency operating experience.
- Review of past drill, plant event and exercise performance problems.

### 5.4 Drills

Drill participation is one of the methods for ensuring that emergency response personnel remain qualified for their position as identified on the Emergency Response Training Matrix. Drills are training oriented and used for developing, testing, and proving skills.

## 5.5 Exercises

Exercises are used to evaluate the effectiveness of training provided during classroom training and drill participation. Coaching and/or on the spot corrections are not allowed during an exercise.

## 6 **PROGRAM DESCRIPTION - OFF-SITE AGENCY TRAINING**

- 6.1 Site specific Emergency Response Training will be provided in accordance with the ER Training Matrix for Fire Support, Medical/Rescue, Governmental Support, and Local Law Enforcement Agencies (Attachment 6).

## 7 **COURSE DESCRIPTIONS**

- 7.1 Course descriptions are documented on "Training Content Summary" forms and recorded in the Nuclear Learning Management System (LMS) training database.

## 8 **COORDINATION OF TRAINING SCHEDULES**

### 8.1 Scheduling Required Emergency Response Training

Emergency Response initial training is scheduled on an as-needed basis based on the established master schedule for training.

The frequency of continuing training will be in accordance with the Emergency Response Training Matrix Report.

Scheduling of Emergency Response Training is centered around the following considerations:

- Most emergency response training cannot be conducted during refueling outages. Sufficient time should be allowed for revision of training materials to include incorporation of changes identified through the SAT evaluation process, changes to the Emergency Plan and Implementing Procedures, commitments to improve performance, and identified errors in training materials.

NRC licensed operator and non-licensed operator continuing training will be included in the Operator Continuing Training Program schedule.

## 8.2 Scheduling Required Offsite Agency Training

Annual training is offered to the offsite agencies listed in Attachment 6 that have an agreement with McGuire Nuclear Site for their support in the event of a radiological emergency. This training may be completed any time during the calendar year, and is scheduled to accommodate the organizations as requested. Local Law Enforcement Agency (LLEA) and Public Information Officer (PIO) training is conducted every two years.

### 8.2.1 The Site Emergency Planning Manager, Training Support and the following off-site medical personnel will coordinate Off-Site Medical Support training.

- Carolinas Medical Center – Emergency Department Education Coordinator
- MEDIC – Staff Development Manager

A minimum of one drill per year involving a contaminated injured person shall be conducted.

### 8.2.2 The Site Emergency Planning Manager, Gilead Volunteer Fire Department Chief, Cornelius Volunteer Fire Department Chief, Training Division Fire Brigade Trainer, and the Fire Department training officers will coordinate Off-Site Fire Support Training for Gilead (primary) and Cornelius (backup) VFD's.

### 8.2.3 The Corporate Emergency Planner / EP Instructor or designee will coordinate Government Agency Training.

### 8.2.4 The Site Emergency Planning Manager and the Site Security Section will coordinate Local Law Enforcement Agency Training.

### 8.2.5 The Corporate Communications Emergency Planning Coordinator will coordinate Public Information Officer (PIO) and other related Corporate Communications Training in accordance with the ERO Training Matrix. Frequency of PIO Training will be determined by Corporate Communications.

## 9 TRAINING SETTINGS

Where applicable, emergency response training should be conducted in the emergency response facilities to allow trainees a better understanding of their actual work environment, and equipment.

Offsite Agency Training can be conducted at the agency location or the nuclear site. The training setting will be determined prior to each training session by the offsite agency and Emergency Planning Manager.

## **10 PROGRAM EVALUATION**

### **10.1 Trainee Evaluation of Training Presentation**

Trainees are requested to provide feedback by completing a student feedback form. The feedback process gives the trainees the opportunity to provide input on lesson objectives, training content, reference/handout materials, instructor presentation skills, teaching methods, examinations, and the physical environment of the training setting. Trainee feedback is reviewed by instructors who, in turn, provide written responses to comments and forward these to training management.

Additionally, trainees are requested to write comments on their procedures, equipment, facilities or anything related to their emergency response. Written comments outside the responsibility of the Training Group are forwarded to the Emergency Planning Manager for evaluation.

### **10.2 Training Program Effectiveness Evaluation**

Training Program Effectiveness may be evaluated through drills, exercises, or surveys.

- **Drills**

Each drill concludes with a self-critique and an evaluation of the overall emergency response performance by the Drill Evaluators/Director.

- **Exercises**

Each exercise concludes with a structured participant critique and a controller/evaluator critique. A performance evaluation follows the critiques to determine whether or not the exercise objectives have been satisfactorily met. Exercises are the primary means of determining the overall effectiveness of training.

- **Surveys**

Surveys may be used to provide an indication of training program effectiveness.

## **11     TRAINEE EVALUATION**

### **11.1    Emergency Response Training**

Initial Facility Specific Training is knowledge based and trainees will be evaluated using a written examination. Trainees must demonstrate satisfactory mastery of learning objectives by achieving a grade of 80% or higher on written examinations. Examinations are administered immediately following training, or as soon as practical after training is complete.

Initial Position Specific Training is performance based. Initial performance based training for selected positions may be evaluated by completion of a Job Performance Measure (JPM) or drill participation. Training for positions whose emergency response function is outside the scope of their normal job function will include a performance evaluation.

Continuing emergency response training will be evaluated through drill participation and for selected positions will also include classroom training. Coaches and evaluators will make on the spot corrections of substandard individual performance during drills. Both drills and exercises will include an evaluation to determine if associated objectives have been satisfactorily met. A further evaluation will be conducted for objectives not satisfactorily met to determine if an individual performance problem exists that may require additional or remedial training.

### **11.2    Offsite Agency Training**

Training goals and objectives will be considered satisfactorily met by training attendance. Written tests are not required. Federal authorities will evaluate offsite agency performance where applicable.

## **12     ATTACHMENTS**

The following have been included as Attachments to this program description:

- 12.1    Attachment 1, Emergency Plan Training Course Listings
- 12.2    Attachment 2, Technical Support Center (TSC) Training Matrix
- 12.3    Attachment 3, Operations Support Center (OSC) Training Matrix
- 12.4    Attachment 4, Emergency Operations Facility (EOF) Training Matrix
- 12.5    Attachment 5, Control Room Staff Training Matrix

- 12.6 Attachment 6, Offsite Agency Training Matrix
- 12.7 Attachment 7, Fire Brigade Training Matrix
- 12.8 Attachment 8, Corporate Communications Training Matrix
- 12.9 Attachment 9, Hazardous Materials Response Team Training Matrix
- 12.10 Attachment 10, Medical Emergency Response Team (MERT) Training Matrix

**EMERGENCY PLAN TRAINING COURSE LISTINGS**

<b>COURSE TITLE</b>	<b>COURSE SUMMARY NUMBER</b>
<b>OFF-SITE SUPPORT AGENCY</b>	
Public Information Officer	HS-0028
Government Agency	HS-0543
Fire Support	MC-1106
MEDIC Emergency Response	MC-3392
University Hospital Emergency Response	MC-3408
Carolinas Medical Center Emergency Response	MC-1115
Local Law Enforcement Agency	MC-2630
<b>EMERGENCY RESPONSE ORGANIZATION (EOF/TSC/OSC)</b>	
Fitness For Duty (FFD) (for G.O. personnel)	HR-109
Public Information Officer Trg.	HS-0028
Initial Respiratory Training	HS-0110
Respiratory Bypass Training	HS-0111
Emergency Plan Exercise / Drill	HS-0537
News Group Emergency Response	HS-0540
Post Accident Liquid Sampling	MC-2954
TSC Emergency Planner Pos Spec	MC-3048
TSC IAE Communications Pos. Sp.	MC-3049
Position Specific TSC NRC Comm.	MC-3050
Pos Spec OPS Proc Support	MC-3051
Pos Spec OPS Mgr in TSC	MC-3052
TSC RP Mgr Position Specific	MC-3054
TSC Reactor Eng Pos Spec	MC-3055
Pos. Spec. TSC Status Coord.	MC-3057
Pos. Spec. TSC Sys Eng Mgr	MC-3058
Pos Spec Ops Mgr In Control Rm	MC-3059
OSC Chemistry Supv. Pos. Spec.	MC-3060
OSC Nuclear Supply Chain Position Specific	MC-3061
OSC Equipment Eng Pos. Spec.	MC-3062
OSC IAE Manager Pos. Specific	MC-3063
Initial Emergency Coordinator	MC-3064
OSC Mech. Mnt. Mgr. Pos. Spec.	MC-3065



COURSE TITLE	COURSE SUMMARY NUMBER
<b>EMERGENCY RESPONSE ORGANIZATION (EOF/TSC/OSC)</b>	
OSC Coordinator Position Spec.	MC-3067
OSC Status Coordinator Pos Sp	MC-3069
OSC RP Supvr Position Specific	MC-3070
OSC Safety Rep Position Spec.	MC-3071
OSC Security Representative Position Specific	MC-3072
OSC Ops SRO Position Specific	MC-3073
OSC Ops Liaison Pos. Spec.	MC-3074
EOF Access Cntrl Dir Pos Spec	MC-3076
Pos Spec Eof Accid Assess Mgr	MC-3077
Pos Spec Eof Admin Support	MC-3078
Position Specific EOF Services Manager	MC-3079
TSC Data Coordinator Pos Spec	MC-3080
EOF Ops Interface Pos. Spec.	MC-3088
EOF Radiological Assess Mgr PS	MC-3090
EOF Reactor Physics Pos Spec	MC-3091
EOF Acc Assess Interface P S	MC-3092
TSC Site Assy/Ev Coord Pos Sp	MC-3094
SAMG Table Top Drill	MC-3101
Operations Support Center (OSC) Facility Specific Training	MC-3261
Technical Support Center (TSC) Facility Specific Training	MC-3262
Initial TSC Offsite Agency Communication	MC-3263
Continuing TSC Offsite Agency Communication	MC-3265
Contaminated Med. Injury Drill	MC-3372
Control Room License Staff Emergency Response Training	OP-MC-EP-ENP
Public Affairs Emerg Resp Rql	PSE-100
Public Spokesperson Trn-Init	PSE-102
Public Spokesperson	PSE-103
Public Spokesperson Trn-Walk T	PSE-104
EOF News Manager Training	PSE-105
EOF Technical Liaison Training	PSE-106
Public Info Coordinator Trng	PSE-107
Public Information Manager Trn	PSE-108
Media Coordinator Training	PSE-109
Media Liaison Training	PSE-110
News Writer Training	PSE-111
Teleproduction Support Coor Tr	PSE-112
Regional Communications Coor	PSE-113
Government Agency Liaison Trng	PSE-114

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EMERGENCY PLAN TRAINING COURSE LISTINGS  
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COURSE TITLE	COURSE SUMMARY NUMBER
<b>EMERGENCY RESPONSE ORGANIZATION (EOF/TSC/OSC)</b>	
Customer Serv Cen Liaison Trng	PSE-115
Rumor Control Communicator Trn	PSE-116
JIC Admin & Logistics Mgr Trng	PSE-117
Admin Support Staff Training	PSE-118
State/County EOC Liaison Trng	PSE-119
Internal Comm Coordinator Trng	PSE-120
Visitors Center Sup Staff Trng	PSE-121
SAMG Evaluator Drill	TTN-098
SAMG Overview	TTN-099
SAMG Decision Maker	TTN-100
Continuing Emergency Coordinator / EOF Director Position Specific	TTN-209
Continuing EOF Offsite Agency Communicator Position Specific	TTN-210
SAMG Drill	TTN-211
EP Pre-Drill Training	TTN-212
Emergency Operations Facility (EOF) Facility Specific Training	TTN-213
EOF Emerg. Planner Position	TTN-214
EOF Log Recorder Position Spec	TTN-217
Fitness For Duty Training	TTN-366
Emergency Response/Preparedness	TTN-386
Initial EOF Offsite Agency Com	TTN-388
EOF Data Coordinator Position	TTN-389
TSC/EOF Dose Assessor Position	TTN-390
Initial EOF Director Position	TTN-391
EOF Field Monitoring Coord.	TTN-392
EOF Radio Operator Position Sp.	TTN-393
RWT Fully Qualified (Rollup)	RWTFQ-N
PAT Fully Qualified (Rollup)	PATFQ-N
Duke Vendor Requal RWT (Site Specific)	RWTDVR-N
Annual ERO Refresher/Update Training	TTC-471-N
(ONS) SAMG Intro and Overview	OC-7227 (DART 812)
McGuire Extensive Damage Mitigation	TTC513-N

Emergency Oper  
Emergency Pla  
Emergency Recor  
Fitness For Duty  
Emergency Res  
EOF OIB

MCGUIRE TRAINING PROCEDURE 7111.0  
EMERGENCY PLAN TRAINING COURSE LISTINGS  
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COURSE TITLE	COURSE SUMMARY NUMBER
<b>EMERGENCY RESPONSE ORGANIZATION (FIRE BRIGADE/HAZMAT/MERT)</b>	
Hazardous Material Awareness	HR-0254
Basic Respiratory	HS-0110
Respirator Training and Fit Test	HS-0111
Advanced Respiratory	HS-0113
Child Birth, Infants & Children	HS-0184
Medical Emergencies and Poisoning	HS-0185
Patient Assessment	HS-0186
Bleeding and Shock	HS-0187
Soft Tissue Injury	HS-0188
Injuries to Extremities/Splinting	HS-0190
Skull/Spine and Chest Injuries	HS-0191
Burns and Envir. Injuries	HS-0192
Moving Patients & Triage	HS-0193
Confined Space Entrant/Attendant Initial	HS-0217
HAZMAT Initial	HS-0250
HAZMAT Requal	HS-0251
Fire Brigade Training	HS-0300
Fire Brigade Refresher Training	HS-0301
Bloodborne Pathogens CBT	HS-0545
Bloodborne Pathogens Q&A	HS-0546
Confined Space/High Level Rescue	HSF-002
Fire Brigade Physical	HSMF-01
Respiratory Physical	HSMR-01
Fire Brigade Requal Segment 1	MC-1770
Fire Brigade Segment 2	MC-1771
Fire Brigade Requal Segment 3	MC-1772
Fire Brigade Practical	MC-1773
Fire Brig Leader Training	MC-1774
Fire Brig Leader Practical	MC-1777
Fire Brigade Station Familiar.	MC-1839
Fire Brigade Drill 1	MC-3032
Fire Brigade Drill 2	MC-3033
Fire Brigade Drill 3	MC-3034
Fire Brigade Drill 4	MC-3035
Fire Brigade Drill 5	MC-3036
Fire Brigade Drill 6	MC-3037
Incident Command	MC-3474
Professional Rescuer CPR	MC-3494
Breathing Aids and Oxygen Therapy	MC-3510
Fire Brigade Requal. Segment 5	MC-3530
Contaminated Injuries	MC-3690
Vivalink AED	OC-7318

TECHNICAL SUPPORT CENTER (TSC) TRAINING MATRIX

POSITION TITLE	GENERAL		INITIAL				CONTINUING		
	RAD. WORKER TRNG. (Note 1)	RESP. (Note 2)	FACILITY SPECIFIC TRNG. (Note 3)	POSITION SPECIFIC TRNG. (Note 10)	DRILL PARTICIPATION	GROUP RESPON. FOR TRAINING	POSITION SPECIFIC TRAINING	DRILL PARTICIPATION (Note 10) (Note 4) (Note 3)	GROUP RESPONSIBLE FOR TRAINING
Data Coordinator	X	X	MC-3262	MC-3080 (Note 6)	HS-0537	EP Trng		HS-0537	
Emergency Coordinator	X	X	MC-3262	MC-3064 TTN100 (Note 8)	HS-0537	EP Trng	TTN-209	HS-0537 TTN-211	EP Trng
Ast. Emergency Coordinator	X	X	MC-3262	MC-3064 TTN100 (Note 8)	HS-0537	EP Trng	TTN-209	HS-0537 TTN-211	EP Trng
Emergency Planner	X	X	MC-3262	MC-3048	HS-0537	EP Trng		HS-0537	
Site Assembly/ Evac. Coordinator	X	X	MC-3262	MC-3094	HS-0537	EP Trng		HS-0537	
IAE Communications	X	X	MC-3262	MC-3049	HS-0537	EP Trng		HS-0537	
NRC Communicator	X	X	MC-3262	MC-3050	HS-0537	EP Trng		HS-0537	
Offsite Agency Communicator	X	X	MC-3262	MC-3263	HS-0537	EP Trng	MC-3265	HS-0537	EP Trng
Dose Assessment	X	X	MC-3262	TTN-390 (Note 9)	HS-0537	EP Trng	TTN-390 (Note 9)	HS-0537	EP Trng
Operations Procedure Support	X	X	MC-3262	MC3051 TTN098 TTN100	HS-0537	EP Trng		HS-0537 TTN-211	
OPS Manager in the TSC	X	X	MC-3262	MC-3052	HS-0537	EP Trng		HS-0537 TTN-211	
Radiation Protection Manager	X	X	MC-3262	MC-3054	HS-0537	EP Trng		HS-0537	
Reactor Engineer	X	X	MC-3262	MC-3055 TTN098 TTN100 (Note 9)	HS-0537	EP Trng		HS-0537 TTN-211	
Status Coordinator	X	X	MC-3262	MC-3057	HS-0537	EP Trng		HS-0537	
System Engineering Manager	X	X	MC-3262	MC3058 TTN098 TTN100 (Note 7)	HS-0537	EP Trng		HS-0537 TTN-211	

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TECHNICAL SUPPORT CENTER (TSC) TRAINING MATRIX  
ATTACHMENT 2

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*Note 1:* Must maintain current TTC-471-N and either RWTFQ-N or RWTDVR-N.

*Note 2:* Must maintain current either HS0110 or HS0111

*Note 3:* Drill participation is required once per 24 months. The EP Manager may extend this time frame based on scheduled drill dates.

*Note 4:* SAMG participation is required once per 2 years

*Note 5:* Training requirements met with HS-0532, MC-2720 or MC-3262.

*Note 6:* Training requirements are met with completion of TTN-389, HS-0534 or MC-3080.

*Note 7:* SAMG training not required prior to being assigned to ERO. Training will be completed, as classes become available.

*Note 8:* The EP Manager may approve the addition of an EC or Asst. EC without completion of Decision Maker Training. This approval will be based on the evaluation of the Decision Maker qualifications of the other ECs and Asst. ECs.

*Note 9:* Training requirements are met with completion of TTN-390 or HS-0535.

*Note 10:* TTC513-N Initial Training and continuing training at a frequency of 2 years

MCGUIRE TRAINING PROCEDURE 7111.0  
OPERATIONS SUPPORT CENTER (OSC) TRAINING MATRIX  
ATTACHMENT 3

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OPERATIONS SUPPORT CENTER (OSC) TRAINING MATRIX

POSITION-TITLE	GENERAL		INITIAL				CONTINUING		
	RAD. WORKER TRNG. (Note 1)	RESP. (Note 2)	FACILITY SPECIFIC TRNG. (Note 7)	POSITION SPECIFIC TRNG. (Note 8)	DRILL PARTICIPATION	GROUP RESP. FOR TRAINING	POSITION SPECIFIC TRAINING (Note 3)	DRILL PARTICIPATION (Note 3) (Note 6)	GROUP RESP. FOR TRAINING
OSC Chemistry Supervisor	X	X	MC-3261	MC-3060	HS-0537	EP Trng		HS-0537	
Chemistry Technician	X	X	Not Req'd (Note 5)	(Note 4)	Not Req'd	EP Trng			
OSC Nuclear Supply Chain	X	X	MC-3261	MC-3061	HS-0537	EP Trng		HS-0537	
Equipment Engineering	X	X	MC-3261	MC-3062	HS-0537	EP Trng		HS-0537	
I&E Manager	X	X	MC-3261	MC-3063	HS-0537	EP Trng		HS-0537	
Maintenance Shift Technician	X	X	Not Req'd (Note 5)	(Note 4)	Not Req'd	EP Trng			
Mechanical Maintenance Manager	X	X	MC-3261	MC-3065	HS-0537	EP Trng		HS-0537	
Operations NLOs	X	X	Not Req'd (Note 5)	(Note 4)	Not Req'd	EP Trng			
OSC Coordinator	X	X	MC-3261	MC-3067	HS-0537	EP Trng		HS-0537	
Asst. OSC Coordinator	X	X	MC-3261	MC-3067	HS-0537	EP Trng		HS-0537	
RP Technicians	X	X	Not Req'd (Note 5)	(Note 4)	Not Req'd	EP Trng			
OSC Status Coordinator	X	X	MC-3261	MC-3069	HS-0537	EP Trng		HS-0537	
OSC Radiation Protection Supervisor	X	X	MC-3261	MC-3070	HS-0537	EP Trng		HS-0537	
OSC Safety Representative	X	X	MC-3261	MC-3071	HS-0537	EP Trng		HS-0537	
OSC Security Representative	X	X	MC-3261	MC-3072	HS-0537	EP Trng		HS-0537	
OSC Operations SRO	X	X	MC-3261	MC-3073	HS-0537	EP Trng		HS-0537	
OSC Operations Liaison	X	X	MC-3261	MC-3074	HS-0537	EP Trng		HS-0537	
FMT Van Drivers	X	X	MC-3261	N/A	Not Req'd	EP Trng		HS-0537	
Emergency Planner	X	X	MC-3261	MC-3048	HS-0537	EP Trng		HS-0537	
OSC IAE Communications	X	X	MC-3261	MC-3049	HS-0537	EP Trng		HS-0537	

Note 1: Must maintain current TTC-471-N and either RWTFQ-N or RWTDVR-N.

Note 2: Must maintain current either HS0110 or HS0111

Note 3: Drill participation required once per 24 months. The EP Manager may extend this time frame based on scheduled drill dates.

Note 4: Section management will determine who receives and tracks position specific task training.

Note 5: Technicians assigned to report to OSC will be under supervision of the OSC Manager.

Note 6: SAMG Drill Participation is required once per 2 years.

Note 7: Training Requirements are met with completion of HS-0532, MC-2720 or MC-3261.

Note 8: TTC513-N Initial Training and continuing training at a frequency of 2 years.

**EMERGENCY OPERATIONS FACILITY (EOF) TRAINING MATRIX**

POSITION TITLE	GENERAL		INITIAL				CONTINUING		
	RAD. WRK. TRNG. (Note 1)	RFD (Note 2)	FACILITY SPECIFIC (Note 5)	POSITION SPECIFIC (Note 13)	DRILL PARTICIPATION	GROUP RESPON. FOR TRAINING	POSITION SPECIFIC TRAINING (Note 13)	DRILL PART. (Note 3) (Note 4)	GROUP RESPON. FOR TRAINING
Access Control Director	X	X	TTN213	MC-3076	HS-0537	EP Trng		HS-0537	
Accident Assessment Manager	X	X	TTN213	MC-3077 TTN-100 (Note 6)	HS-0537	EP Trng		HS-0537 TTN-211	
EOF Services Manager	X	X	TTN213	MC-3079	HS-0537	EP Trng		HS-0537	
Data Coordinator	X	X	TTN213	TTN-389 (Note 8)	HS-0537	EP Trng		HS-0537	
EOF Dose Assessor	X	X	TTN213	TTN-390 (Note 9)	HS-0537	EP Trng	TTN-390	HS-0537	
Emergency Planner	X	X	TTN213	TTN214	HS-0537	EP Trng	(Note 12)	HS-0537	
EOF Director	X	X	TTN213	TTN-391 (Note 10) TTN100 (Note 6)	HS-0537	EP Trng	TTN209	HS-0537 TTN-211	EP Trng
Ast. EOF Director	X	X	TTN213	TTN-391 (Note 10) TTN100 (Note 6)	HS-0537	EP Trng	TTN209	HS-0537 TTN-211	EP Trng
EOF Log Recorder	X	X	TTN213	TTN217	HS-0537	EP Trng		HS-0537	
Field Monitoring Coordinator	X	X	TTN213	TTN-392 (Note 11)	HS-0537	EP Trng		HS-0537	
Field Monitoring Team	X	X	N/A	(Note 7)	HS-0537	EP Trng	(Note 7)	HS-0537	EP Trng

**Note 1:** Must maintain current TTN-386, TTC-471-N, PATFQ-N and RWTFQ-N or RWTDVR-N.

**Note 2:** Must maintain current either HR-109 or TTN-366 and PATFQ-N and RWTFQ-N.

**Note 3:** Drill participation is required once per 24 months. The EP Manager may extend this time frame based on scheduled drill dates.

**Note 4:** SAMG Drill Participation is required once per 2 years.

**Note 5:** Training Requirements are met with completion of HS-0532, HS-0540 (Public Affairs) or TTN-213.

**Note 6:** SAMG training is not required prior to being assigned to the ERO. This training will be obtained as classes become available.

**Note 7:** RP Section management will determine who receives and tracks position specific task training.

MCGUIRE TRAINING PROCEDURE 7111.0  
EMERGENCY OPERATIONS FACILITY (EOF) TRAINING MATRIX  
ATTACHMENT 4

Rev. # 8

*Note 8:* Training requirements are met with completion of TTN-389 or HS-0534.

*Note 9:* Training requirements are met with completion of TTN-390 or HS-0535.

*Note 10:* Training requirements are met with completion of TTN-391 or HS-0536.

*Note 11:* Training requirements are met with completion of TTN-392 or MC-3085.

*Note 12:* EOF Emergency Planners required to complete ONS SAMG Intro and Overview OC-7227 (DART 812)

*Note 13:* TTC513-N Initial Training and continuing training at a frequency of 2 years.



MCGUIRE TRAINING PROCEDURE 7111.0  
EMERGENCY OPERATIONS FACILITY (EOF) TRAINING MATRIX  
ATTACHMENT 4

Rev. # 8

EMERGENCY OPERATIONS FACILITY (EOF) TRAINING MATRIX

POSITION TITLE	GENERAL		INITIAL				CONTINUING		
	RAD. WRK. TRNG (Note 1)	EFD (Note 2)	FACILITY SPECIFIC (Note 5)	POSITION SPECIFIC (Note 9)	DRILL PARTICIPATION	GROUP RESP. FOR TRAINING	POSITION SPECIFIC TRAINING	DRILL PART. (Note 3) (Note 4) (Note 9)	GROUP RESP. FOR TRAINING
Offsite Agency Communicator	X	X	TTN213	TTN-388 (Note 7)	HS-0537	EP Trng	TTN210	HS-0537	EP Trng
Operations Interface	X	X	TTN213	MC-3088	HS-0537	EP Trng		HS-0537	
Radio Operator	X	X	TTN213	TTN-393 (Note 8)	HS-0537	EP Trng		HS-0537	
Radiological Assessment Manager	X	X	TTN213	MC-3090	HS-0537	EP Trng		HS-0537	
Reactor Physics	X	X	TTN213	MC-3091	HS-0537	EP Trng		HS-0537	
Accident Assessment Interface	X	X	TTN213	MC-3092 TTN098 (Note 6)	HS-0537	EP Trng		HS-0537 TTN-211	
Staff Support	X	X	TTN213	TTN216	HS-0537	EP Trng		HS-0537	
Nuclear State/County EOC Liaison	X	X		PSE 119		EP Training	PSE 100		EP Training

Note 1: Must maintain current either TTC 471-N, TTN-386, EP portion of Plant Access Training (PAT) for G.O. personnel or PATFQ-N, RWTFQ-N or RWTDVR-N.

Note 2: Must maintain current either HR-109 or TTN-366 and PATFQ-N and RWTFQ-N.

Note 3: Drill participation is required once per 24 months. The EP Manager may extend this time frame based on scheduled drill dates.

Note 4: SAMG Drill Participation is required once per 2 years.

Note 5: Training Requirements are met with completion of HS-0532 or TTN-213.

Note 6: SAMG training is not required prior to being assigned to the ERO. This training will be obtained as classes become available.

Note 7: Training Requirements are met with completion of TTN-388 or HS-0530.

Note 8: Training Requirements are met with completion of TTN-393 or MC-3089.

Note 9: TTC513-N Initial Training and continuing training at a frequency of 2 years.

Nuclear State/County EOC Liaison added by PIP M-08-04371

CONTROL ROOM STAFF TRAINING MATRIX

POSITION TITLE	GENERAL		INITIAL				CONTINUING		
	Note 1	Note 1							
	RAD. WORKER TRAINING	RESP.	FACILITY SPECIFIC	POSITION SPECIFIC	DRILL PARTICIPATION	GROUP RESPON. FOR TRAINING	POSITION SPECIFIC TRAINING	DRILL PART.	GROUP RESPON. FOR TRAINING
Nuclear Control Room Operator	X	X	NA	(Note 2)	NA	OPS Trng	OP-MC-EP-ENP (Note 3)		EP Trng
Nuclear Shift Supervisor	X	X	NA	(Note 2)	NA	OPS Trng	OP-MC-EP-ENP (Note 3)		EP Trng
Offsite Agency Communicator	X	X	NA		NA	EP Trng	OP-MC-EP-ENP HS0530 (Note 3)		EP Trng
OPS Manager in the Control Room	X	X	NA	MC-3059	HS-0537	EP Trng	N/A	HS-0537 (Note 4)	EP Trng
Operations Shift Manager / Emergency Coordinator	X	X	NA	(Note 2)	NA	OPS Trng	OP-MC-EP-ENP (Note 3)		EP Trng
Shift Technical Advisor	X	X	NA	(Note 2)	NA	OPS Trng	OP-MC-EP-ENP (Note 3)		EP Trng

Note 1: Must maintain current RWTFQ-N. Respiratory training is required by Operations Dept. to meet control room habitability requirements.  
Respiratory training will be tracked by the Operations Dept.

Note 2: Initial training requirements are met thru the Operations License Training Program.

Note 3: Continuing training requirements are met thru the Operations License Requal Training Program.

Note 4: Drill participation is required once per 24 months. The EP Manager may extend this time frame based on scheduled drill dates.

OFFSITE AGENCY TRAINING MATRIX

POSITION/TITLE	CONTINUING	
	OFFSITE AGENCY TRAINING	GROUP RESPONSIBLE FOR TRAINING
MEDIC	MC-3392	EP Trng
Gilead and Cornelius VFD	MC-1106	EP Trng
University Hospital	MC-3408	EP Trng
Carolinas Medical Center	MC-1115	EP Trng
Local Law Enforcement	MC-2630	Site Security and EP Trng
Government Agency	HS-0543	Corporate EP / EP Trng
Public Information Officer	HS-0028	Corporate Communications

### INITIAL FIRE BRIGADE TRAINING MATRIX

GENERAL		INITIAL			
RAD WORKER TRAINING	RESPIRATORY	FACILITY SPECIFIC	POSITION SPECIFIC	DRILL PARTICIPATION	GROUP RESPON. FOR TRAINING
X (Note 1)	X (Note 2)	NA	HS0300 MC1839 HSMR01 HSMF01 (Note 3) (Note 4)	NA	Training Support

*Note 1:* Must maintain current either RWTFQ-N or RWTDVR-N.

*Note 2:* Must maintain current either HS0110 or HS0111 and HS0113.

*Note 3:* Training requirements are met with completion of HS0300 or HS0301.

*Note 4:* Training requirements are met with completion of MC1839 or HS0301.

CONTINUING FIRE BRIGADE TRAINING MATRIX

	1 <sup>st</sup> Qtr Odd Year	2 <sup>nd</sup> Qtr Odd Year	3 <sup>rd</sup> Qtr Odd Year	Odd Year APT	1 <sup>st</sup> Qtr Even Year	2 <sup>nd</sup> Qtr Even Year	3 <sup>rd</sup> Qtr Even Year	Even Year APT
	MC-1770	MC-1771	MC-1772	MC-1773	MC-1770	MC-1771	MC-1772	MC-1773
SCBA (Note 2)								
PPE				BB*		X		BB* Or LP Gas\$
Firefighting Foam						X		
Fire Brigade Org. & Response							X	
Fire Behavior & Methods of Extinguishment		X		BB*				BB* Or LP Gas\$
Portable Fire Extinguishers (Note 3)				BB*				BB*
HAZMAT For 1 <sup>st</sup> Responders	X			BB*	X			LP Gas\$
Firefighter Safety				BB*		X		BB* Or LP Gas\$
Incident Command				BB*			X	BB*
Fire Hose & Appliances			X	BB*				BB* Or LP Gas\$
Fire Streams			X					BB* Or LP Gas\$
Fixed Fire Suppression & Detection Systems	X							
Damage Control & Ventilation		X		BB*				BB*
Search & Rescue				BB*				BB* Or Maze
Rad. Contam. Fires					X			
FB Leader Practical MC-1777				BB*				BB* Or LP Gas\$
FB Leader MC-1774		X		BB*				

\* BB: Burn Building/Flashover Simulator

\$ LP Gas: Flam. Gas Fires

Note 1: Each fire brigade member must participate in at least two drills per year. Drills may be attended at any time during the year. Drills are documented using course codes MC-3032, MC-3033, MC-3034, MC-3035, MC-3036, or MC-3037.

Note 2: Must maintain current either HS0110 or HS0111 and HS0113 or HS0116.

Note 3: Fire Ext. Initial (HS-0454) was taught during 1<sup>st</sup> quarter of 2002 and will now be a CBT (IIS-0418) to be completed annually and tracked on the Dream Team.

**CORPORATE COMMUNICATIONS EMERGENCY RESPONSE ORGANIZATION TRAINING MATRIX**

POSITION TITLE	PLANT ACCESS TRAINING		INITIAL			CONTINUING		
	EP Portion	FFD	Facility Specific	Position Specific	Group Responsible for Training	Facility Specific/ Req. Trng. (annually +/- 3 months)	Drill Partic. - required every 2 years	Group Responsible for Training
Nuclear EOF News Manager	RWTFQ-N (or equivalent) TTC471-N	RWTFQ-N (or equivalent) TTC471-N	TTN213 (or HS0540)	PSE105	Corporate Comm.	RWTFQ-N (or equivalent) TTC471-N	HS0537	Corporate Comm.
Nuclear Public Spokesperson	RWTFQ-N (or equivalent) TTC471-N	RWTFQ-N (or equivalent) TTC471-N	TTN213 (or HS0540)	PSE 102 (or PSE103) & PSE104	Corporate Comm.	RWTFQ-N (or equivalent) TTC471-N	HS0537	Corporate Comm.
Visitor Center Staff	RWTFQ-N (or equivalent) TTC471-N	RWTFQ-N (or equivalent) TTC471-N	HS0540	PSE121	Corporate Comm.	RWTFQ-N (or equivalent) TTC471-N	HS0537	Corporate Comm.
Nuclear Public Information Coordinator	TTN386 & TTN366 (or RWTFQ-N & TTC471-N	TTN386 & TTN366 (or RWTFQ-N & TTC471-N	TTN213 (or HS0540)	PSE107	Corporate Comm.	TTN386 & TTN366 (or RWTFQ-N & TTC471-N	HS0537	Corporate Comm.
EOF/ONS Technical Liaison	RWTFQ-N (or equivalent) TTC471-N	RWTFQ-N (or equivalent) TTC471-N	TTN213 (or HS0540)	PSE106	Corporate Comm.	RWTFQ-N (or equivalent) TTC471-N	HS0537	Corporate Comm.
Public Information Manager	N/A	Required	TTN213 (or HS0540)	PSE108	Corporate Comm.	PSE100 HR109 (or TTN366)	HS0537	Corporate Comm.
Media Coordinator	N/A	N/A	HS0540	PSE109	Corporate Comm.	PSE100	HS0537	Corporate Comm.
Media Liaison	N/A	N/A	HS0540	PSE110	Corporate Comm.	PSE100	HS0537	Corporate Comm.
News Writer (Inactive)	N/A	N/A	HS0540	PSE111	Corporate Comm.	PSE100	HS0537	Corporate Comm.

**CORPORATE COMMUNICATIONS EMERGENCY RESPONSE ORGANIZATION TRAINING MATRIX**

POSITION TITLE	PLAN ACCESS TRAINING		INITIAL			CONTINUING		
	EP Portion	FED	Facility Specific	Position Specific	Group Responsible for Training	Facility Specific / Req. Trng. (annually +/- 3 months)	Drill Partic. - required every 2 years	Group Responsible for Training
Teleproduction Support Coordinator	N/A	N/A	HS0540	PSE112	Corporate Comm.	PSE100	HS0537	Corporate Comm.
Regional Communications Coordinator	N/A	N/A	HS0540	PSE113	Corporate Comm.	PSE100	HS0537	Corporate Comm.
Government Agency Liaison	N/A	N/A	HS0540	PSE114	Corporate Comm.	PSE100	HS0537	Corporate Comm.
Customer Service Center Liaison	N/A	N/A	HS0540	PSE115	Corporate Comm.	PSE100	HS0537	Corporate Comm.
<i>Rumor Control Communicator (inactive)</i>	N/A	N/A	N/A	PSE116	Corporate Comm.	as needed	HS0537	Corporate Comm.
Internal Communications Coordinator	N/A	N/A	HS0540	PSE120	Corporate Comm.	PSE100	HS0537	Corporate Comm.
JIC Administration & Logistics Manager	N/A	N/A	HS0540	PSE117	Corporate Comm.	PSE100	HS0537	Corporate Comm.
Administrative Support (includes FAX Support, Media Monitor, Media Center Assistant, Registration Support, Delivery Support, Copy Support)	N/A	N/A	HS0540	PSE118	Corporate Comm.	PSE100	HS0537	Corporate Comm.
Web Communications Coordinator	N/A	N/A	HS0540	PSE124	Corporate Comm.	PSE100	HS0537	Corporate Comm.
Strategic Planning Advisor	N/A	N/A	HS0540	PSE126	Corporate Comm.	PSE100	HS0537	Corporate Comm.
Corp. Comm. Emergency Planner	N/A	N/A	HS0540	PSE127	Corporate Comm.	PSE100	HS0537	Corporate Comm.

**CORPORATE COMMUNICATIONS EMERGENCY RESPONSE ORGANIZATION TRAINING MATRIX**

POSITION/TITLE	PLANT ACCESS TRAINING		INITIAL			CONTINUING		
	EP Portion	EFD	Facility Specific	Position Specific	Group Responsible for Training	Facility Specific / Req. Trng. (annually +/- 3 months)	Drill Partic. - required every 2 years	Group Responsible for Training
Distribution Coordinator (ONS only)	N/A	N/A	HS0540	PSE128	Corporate Comm.	PSE100	HS0537	Corporate Comm.
Advertising Manager	N/A	N/A	HS0540	PSE129	Corporate Comm.	as needed	as needed	Corporate Comm.
Public Spokesperson	N/A	N/A	N/A	PSE102	Corporate Comm.	as needed	N/A	N/A
Community Relations/District Managers	N/A	N/A	N/A	PSE102	Corporate Comm.	as needed	N/A	N/A
Field Emer. Responders (Communicators)	N/A	N/A	N/A	PSE122	Corporate Comm.	as needed	N/A	N/A
Media Duty Training	N/A	N/A	N/A	PSE130	Corporate Comm.	N/A	N/A	N/A

**Additional Training/Information Coordinated by Corporate Communications:**

- \* Media Training - Mail out package sent to Media outlets annually in March
- \* Public Information Officer Training - Classroom training (HS0028) conducted for government agency PIOs prior to graded exercises.



### HAZARDOUS MATERIALS RESPONSE TEAM TRAINING MATRIX

GENERAL		INITIAL				CONTINUING	
Note 1	Note 2						
RAD WORKER TRAINING	RESP	FACILITY SPECIFIC	POSITION SPECIFIC	DRILL PARTICIPATION	GROUP RESPON FOR TRAINING	POSITION SPECIFIC TRAINING	GROUP RESPON FOR TRAINING
X	X	NA	HS-0250 HSMR01 HSMF01	NA	Training Support	HS-0251	Training Support

Note 1: Must maintain current either RWTFQ-N or RWTDVR-N.

Note 2: Must maintain current either HS0110 or HS0111 and HS 0113.

### MERT TRAINING MATRIX

INITIAL												
NC EMT Cert.	Hazardous Materials Awareness	Confined Space/High Level Rescue	Respiratory Physical	Respirator Training And Fit Test	SCBA (Adv. Resp.)	Child Birth, Infants & Children	Medical Emergencies & Poisoning	Patient Assessment	Bleeding & Shock	Soft Tissue Injury	Injuries to Extremities/Splinting	Skull/Spine and Chest Injuries
MC3597	HR0254	HSF002	HSMR01	HS0111	HS0113	HS0184	HS0185	HS0186	HS0187	HS0188	HS0190	HS0191
*						Note 1	Note 1	Note 1	Note 1	Note 1	Note 1	Note 1

\* This certification is received outside of the Duke Power training program. This certification exempts personnel from those courses marked as Note 1.

Burns & Envir. Injuries	Moving Patients & Triage	Confined Space Entrant / Attendant Initial	Bloodborne Pathogens CBT	Bloodborne Pathogens Q & A	Incident Command	Professional Rescuer CPR	Breathing Aids and Oxygen Therapy	Vivalink AED	Cont. Injuries	Radiation Worker Training
HS0192	HS0193	HS0217	HS0545	HS0546	MC3474	MC3494	MC3510	OC7318	MC3690	RWTFQ-N or RWTDVR-N
Note 1	Note 1						Note 1	Note 1		

CONTINUING (12 MONTH REQUAL)										
Hazardous Materials Awareness	Respiratory Physical	Respirator Training And Fit Test	SCBA (Adv. Resp.)	Bloodborne Pathogens CBT	Bloodborne Pathogens Q/A	Professional Rescuer CPR	Radiation Worker Training			
HR0254	HSMR01	HS0111	HS0113	HS0545	HS0546	MC3494	RWTFQ-N or RWTDVR-N			

CONTINUING (ANNUAL REQUAL)													
Confined Space/High Level Rescue	Child Birth, Infants & Children	Medical Emergencies & Poisoning	Patient Assessment	Bleeding & Shock	Soft Tissue Injury	Injuries to Extremities / Splinting	Skull/Spine and Chest Injuries	Burns & Envir. Injuries	Moving Patients & Triage	Incident Command	Breathing Aids and Oxygen Therapy	Vivalink AED	Cont. Injuries
HSF002	HS0184	HS0185	HS0186	HS0187	HS0188	HS0190	HS0191	HS0192	HS0193	MC3474	MC3510	OC7318	MC3690

**Enclosure 1**

**Request for Additional Information Related to LAR dated July 28, 2010 on  
Duke Energy Emergency Plans On-Shift Staffing and Augmentation Times**

**Attachment 3**

**Catawba Emergency Response Training Program Addendum 7111-0, Rev. 11**



## Catawba Nuclear Station Training Addenda

**Addendum 7111.0**      **Catawba Nuclear Site Emergency Response (ER) Training Program Description**

<u>REVISION NUMBER</u>	<u>ISSUE DATE</u>
0	
1	03/12/01
2	11/20/01
3	10/01/02
4	01/08/03
5	03/31/03
6	03/31/04
7	02/23/05
8	03/27/06
9	08/21/06
10	06-26-08
11	12-02-08

Approved by/Date:  
R.M. Weatherford/ 11/20/08  
Training Manager

Tom Arlow 12/01/08  
Emergency Planning  
Manager

## CNS Addendum Revision Sheet

<b>Addendum 7111.0 Catawba Nuclear Site Emergency Response (ER) Training Program Description</b>
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Revision Number	Description	Revision Author
1	<p><b>Attach. 1</b> - Deleted summary no. HS0534. Deleted summary no. MC 3089. Added summary no. MC3090. Deleted summary no. TTN212. Deleted summary no. HS0535. Added summary nos. TTN390 and TTN209.</p> <p><b>Attach. 2</b> - Deleted Regulatory Compliance position from matrix. Deleted summary no. TTN211. Added note 3 to include drill summary nos. Revised title HR Manager to Security/HR Manager. Deleted Summary no. TTN099. Deleted summary no. HS0535.</p> <p><b>Attach. 3</b> - Deleted summary no. TTN099. Deleted summary no. TTN211. Revised title of C&amp;F Manager to NSC Manager.</p> <p><b>Attach. 4</b> - Added note 3 to include drill summary nos. Revised title of C&amp;F Manager to EOF Services Manager. Combined EOF Commissary and Admin. Support into one position. Add summary no. MC3090 to Rad Assessment Manager. Deleted summary no. TTN390.</p> <p><b>Attach. 7</b> - Revised page 1 to include Fire Brigade Medical Physical. Revised page 2 to rearrange fire brigade course assignments. Revised page 3 to rearrange fire brigade course assignments. Added note in reference to fire brigade medical physicals.</p>	Tim Daniels/ Bryan Nanney
2	<p><b>Page 7, 5.2</b> -Changed Site Support Training to Training Support.</p> <p><b>Page 9, 6.3.2.1</b> - Changed Site Support Training to Training Support.</p> <p><b>Attach. 1</b> - Added summary nos. HS0110, HS0111, HS0113 to Miscellaneous Training table. Added summary no. CNEA02 to OSC table.</p> <p><b>Attach. 3</b> - Added summary nos. CNEA02, CNEA29 to RP Technicians matrix</p> <p><b>Attach. 4</b> - Added UA1001 to Note 1 and Note 2</p> <p><b>Attach. 7</b> - Added HS0113 to Cont. Fire Brigade Training Matrix</p>	Tim Daniels/ Bryan Nanney

3	<p><b>Attach. 1</b> - Added summary nos. CNEA21, CNEA42 &amp; ENN001 to Control Room table. Deleted summary nos. CNEA17, CNEA18, CNEA27, CNEA36 from the CR table. Deleted HS0028 from EOF table. Deleted CNEA39 and added ENN001 to TSC table.</p> <p><b>Attach. 2</b> - Changed Sec./HR Manager to Security Manager. Added ENN001 to EC/Assistant EC matrix under Initial, Position Specific.</p>	Tim Daniels
3	<p><b>Attach. 4</b> - Deleted MC-3085 for Field Monitoring Coordinator Initial Position Specific from EOF table. Deleted MC3089 for Radio Operator Initial Position Specific from EOF Table. Deleted the word or from FMC matrix under Initial, Position Specific.</p> <p><b>Attach. 5</b> - Added summary nos. CNEA42 and CNEA21 to Nuclear Control Room Operator Matrix. Added summary nos. CNEA42 and CNEA21 to Nuclear Unit Shift Supervisor, SROs Matrix and deleted CNEA06. Added Note 4. Deleted Offsite Agency Communicator Position Title from matrix. Deleted OP-CN-EP-SEP from Control Room-TSC Communicator Matrix. Added CNEA42 and ENN001 to Initial Position Specific, deleted CNEA17 and added CNEA21 to Continuing training for OSM/Emergency Coordinator. Deleted Shift Technical Adviser requirements from training matrix.</p> <p><b>Attach. 9</b> - Changed EN0001 to ENN001. Deleted '1 per calendar year' after the word Drills in the continuing matrix.</p>	Tim Daniels
4	<p>Page 6, section 5.2 - Reworded 2nd bullet to read 'Notifying ERO personnel of individual training requirements as needed.'</p> <p><b>Attach. 1</b> - Deleted EOF Meteorologist position information.</p> <p><b>Attach. 4</b> - Deleted the Meteorologist position training requirements information.</p>	Tim Daniels & Bryan Nanney
5	Document number revised to align with the six INPO Objectives for Accreditation	Bryan Nanney
6	<p><b>Attach. 1</b> - Page 1, Control Room Matrix - Deleted ENN001 training requirement. Page 4, Shared Position Training Matrix - Deleted ENN001 training requirement. Page 5, TSC Matrix - Deleted ENN001 training requirement.</p> <p><b>Attach. 2</b> - Deleted ENN001 training requirement for EC/Assistant EC positions.</p> <p><b>Attach. 4</b> - corrected typo (spelling) of TTN100 under</p>	Tim Daniels & Bryan Nanney

	<p>EOFD and assistant.</p> <p><b>Attach. 5</b> - Deleted ENN001 training requirement for OSM.</p> <p><b>Attach. 7</b> - Deleted ENN001 training requirement from position specific.</p> <p><b>Attach. 9</b> - Deleted ENN001 training requirement for initial and continuing training for Haz Mat Team</p>	
7	<p><b>Attach. 1</b> - Deleted CNCA01, CNEA02, CNEA07, CNEA29, CNEA30, CNEA31, CNEA41, CNRA01 from the OSC training matrix.</p> <p><b>Attach. 3</b> - Deleted CNEA02 as a requirement from RP technicians. Added the word 'position' to Note 3.</p> <p><b>Attach. 4</b> - Deleted the Status Keeper position from EOF Training matrix.</p> <p><b>Attach. 5</b> - Added the position 'SSA Off Site Communications Assistant' to the CR Staff Training Matrix</p>	Tim Daniels & Bryan Nanney
8	<p><b>Page 9</b> - Deleted from Fire Brigade description the following: Fire Protection Training and Qualification Manual.</p> <p><b>Page 10</b> - Deleted the following statement from 6.1.3: Matrix Fire Protection Training and Qualifications Manual, and/or the HAZMAT Training and Qualifications Manual</p> <p><b>Page 14</b> - Added attachment 8 as an enclosure.</p> <p><b>Attach. 1</b> - Added the following to Misc. Training - HS0116 Advanced Basic Resp. (SCBA) requal</p> <p><b>Attach. 2</b> - Deleted CNEA05 as a continuing training requirement for Data Coordinator</p> <p><b>Attach. 7</b> - Deleted FB Leader Requal CNFA05. Added HS0116 to HS0113 block.</p> <p><b>Attach. 8</b> - Added Attach. 8, "Fire Brigade Leader Training Matrix. Renumbered attachments 9 and 10</p> <p><b>Attach. 10</b> - Added HS0116 to HazMat Responder Continuing Training.</p>	Tim Daniels & Bryan Nanney
9	<p><b>Attach. 2</b> – added CNEA16 as a training requirement for Evacuation Coordinator. Added TTN211 as an initial training requirement for Operations Engineer.</p> <p><b>Attach. 3</b> – Deleted FMT Van Drivers position from OSC Training Matrix.</p>	Tim Daniels & Bryan Nanney
10	<p><b>Attach.2</b> – Changed Note 1 to reflect new GET course code numbers RWTFQ, PATFQ. Added the following note to the emergency planner requirements: <i>Note 4:</i> CNS EP Task Guideline #17 (PSG) must be completed prior to assuming the role of duty emergency planner</p>	Tim Daniels & Bryan Nanney

	<p><b>Attach.3</b> – Changed Note 1 to reflect new GET course code numbers RWTFQ, PATFQ.</p> <p><b>Attach.4</b> – Changed Notes 1 and 2 to reflect new GET course code numbers RWTFQ, PATFQ. Added the following note to the emergency planner requirements:  <i>Note 4:</i> CNS EP Task Guideline #17 (PSG) must be completed prior to assuming the role of duty emergency planner</p>	
10	<p><b>Attach.1</b> - Added TTC471-N, Annual ERO Refresher/Update CBT to Attachment 1 for TSC, OSC, EOF required training. Added MC3076, Access Control Director Position Specific.</p> <p><b>Attach.2</b> - Added TTC471-N to Note 1.</p> <p><b>Attach.3</b> - Added TTC471-N to Note 1.</p> <p><b>Attach.4</b> - Added TTC471-N to Note 1. Deleted TTN386 from Note 1 and added TTN386 to Note 2. Added MC3076 to Access Control Director Position Specific training requirements</p> <p>Deleted Administrative Support from EOF Training Matrix</p> <p>Added CNEA49-N to initial TSC positions EC/Assistant EC, Operations Engineer, OPS Superintendent, Engineering Manager, Reactor Engineer,</p> <p>Added DART 422 as an initial and 24 month continuing facility specific training for all TSC, OSC and EOF positions.</p>	<p>Tim Daniels and Bryan Nanney</p> <p>Bill Edmunds</p>
11	<p>Attachment 9 Public Affairs Matrix updated to reflect new GET course code numbers RWTFQ, PATFQ.</p> <p>B.5.b / EDMG Training Matrix updated to assign/track CNEA49 using operations lesson plan OP-CN-CP-EDM</p>	



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**7111.0 Catawba Nuclear Site Emergency Response (ER) Training Program Description**

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**Program: Site Support****1.0 OBJECTIVE**

The overall training program objective is to prepare and maintain a trained organization ready to respond to an emergency by providing quality training commensurate with each individual's emergency assignment.

**2.0 SCOPE**

This program applies to:

- Emergency Response Organization (TSC, OSC, EOF, Fire Brigade, HAZMAT, MERT)
- Selected offsite agencies, as specified in attachment 6.

**3.0 REFERENCES****3.1 Procedures / Instructions**

ETQS 7111.0 "Emergency Response Training"

NSD 112 "Fire Brigade Organization, Training and Responsibilities"

NSD 117 "ERO Training and Responsibilities"

NSD 119 "Medical Emergency Response Team (MERT) Program Organization, Training and Responsibilities"

**3.2 Manuals**

CNS Emergency Plan Implementing Procedures

CNS EP Group Manual

CNS Emergency Plan

**3.3 Other**

NUREG-0654, also FEMA-REP-1, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Planning in Support of Nuclear Power Plants by the United States Nuclear Regulatory Commission and the Federal Emergency Management Agency, January 1980, Washington, D.C.

Title 10, Code of Federal Regulations, Part 50, Appendix E, "Emergency Planning and Planning for Production and Utilization Facilities."

#### **4.0 BASIS**

The Emergency Response Organization provides quick, professional responses to plant conditions to ensure the safety of the plant, plant personnel, and the public. Individuals serving in the Emergency Response Organization must be trained to emergency response processes and procedures to provide the level of expertise needed to respond to and mitigate emergency situations.

#### **5.0 RESPONSIBILITIES**

##### **5.1 Line Management Training Responsibilities**

Safety Assurance Line Management (EP Manager) is the owner of the Emergency Planning Training Program.

**Specific responsibilities of line organization include:**

- Defining program content.
- Monitoring and observing training in all settings.
- Approving Technical Accuracy of training material content.
- Verifying personnel qualifications prior to ERO assignments.
- Providing subject-matter expertise for analysis, design, development and implementation of training.
- Identifying initial and continuing training needs.
- Administering vendor supplied training including contract development/approval, instructor identification, and classroom expenses.
- Notifying ERO personnel for training drills and exercises.
- Evaluating training effectiveness from classroom and drill/exercise performance.
- Analyzing trends of potential training deficiencies (i.e. PIP, OE, etc.).
- Maintaining an EP Change Review Committee with active line participation.
- Maintaining the ERO facility access lists (based on training status).
- Verifying the Emergency Response training matrix current.
- Ensuring trainees are aware of their training needs.
- Providing input for the development of training plans for the target audience.

- Designing and conducting drills/exercise scenarios.
- Providing coaching and/or evaluates trainee performance during drills as requested by training management.
- Ensuring appropriate priorities are placed on EP training activities by management.
- Removing from the ER Qualified List those members who do not maintain qualifications.

## **5.2 Training Support Responsibilities**

Training Support will partner with the EP Line Manager as a support organization charged with providing high quality training to improve performance and meeting the requirements of applicable regulations.

### **Specific responsibilities of the training organization include:**

- Developing and delivering training which achieves the desired results of the line organization.
- Notifying ERO personnel of individual training requirements as needed.
- Providing trained and qualified instructors who serve as role models while delivering challenging training materials in high quality, innovative ways that enhance learning.
- Partnering with line managers to conduct needs assessments for the target audience.
- Developing and maintaining lesson materials, job aids, handouts, etc.
- Developing and maintaining a master schedule for training classes.
- Modifying training materials (job aids, lesson plans, etc.) as needed due to feedback, operational experience, station changes, etc.
- Ensuring training is properly documented.
- Developing status/roll-up reports for all management observations and student feedback on classroom training.
- Facilitating remediation as specified by line managers.
- Evaluation of student performance.
- Supporting the administration of vendor-supplied training including classroom reservations, instructor evaluation and critique, and classroom facilitation.
- Reinforcing management expectations in all training settings.
- Developing/maintaining cost-effective sources of hands-on training aids.

- Monitoring/reporting training attendance.
- Providing a single point of contact for line managers and supervisors.
- Facilitating new equipment demonstrations.
- Update ERO Training Matrix as requested by EP Management.

### **5.3 EP Change Review Committee**

The EP Change Review Committee provides direction to the Training Group. Specifically, the CRC is expected to:

- Review and recommend approval of training matrix changes, topics selected for training, terminal objectives, training program revisions resulting from program evaluations, and training schedules.
- Review procedure and EP manual revisions for training applications.
- Determine training requirements for Emergency responders reassigned to positions after an extended absence from that position or facility.
- Review and discuss training suggestions made by other departments.
- Provide recommendations to Training.

Change Review Committee representatives generally include the following:

- Emergency Planning Manager and other EP staff
- Training Group Management
- ER Training Instructor
- Other representative ER personnel as necessary

## **6.0 PROCESS**

### **6.1 Organization**

#### **6.1.1 General Training**

ER members must complete General Training requirements as outlined in the ER Training Matrix (Attachments 2 - 5). Site ER members will receive this training as part of their annual "Radiation Worker Training" requirement which allows them access into the TSC, OSC, and Control Room. This training also includes "Fitness For Duty" (FFD) which fulfills the regulatory requirement that all ER members be subject to random drug testing.

Employees of the General Office who respond to the Emergency Operations Facility (EOF) will receive the EP portion of Plant Access Training and FFD as required by the ER Training Matrix for EOF personnel.

### 6.1.2 Initial Training

- Emergency Response Organization

ERO, TSC, OSC, EOF, Control Room Initial training is required for newly assigned individuals prior to becoming a member of the Emergency Response Organization. This training may include Facility Specific, Position Specific, and Drill Participation, as required by the ER Training Matrix.

- Fire Brigade

Initial training is required for newly assigned individuals prior to becoming a member of the Fire Brigade Organization. This training includes the basic knowledge and skills needed to effectively control and extinguish the types of fires expected at a nuclear site as required by the ER Training Matrix and NSD 112.

- HAZMAT

Initial training is required for newly assigned individuals prior to becoming a member of the HAZMAT Organization. This training includes the basic knowledge and skills needed to effectively mitigate and control HAZMAT incidents as required by the ER Training Matrix and HAZMAT Training and Qualification Manual.

- MERT

Initial training is required for newly assigned individuals prior to becoming a member of the Medical Emergency Response Team (MERT). This training includes the basic knowledge and skills needed to effectively respond and provide initial treatment to a medical emergency as required by NSD 119, "Medical Emergency Response Team (MERT) Program Organization, Training and Responsibilities".

Initial training for each position is required only once during a person's service on the ERO unless:

- Management requests initial training to satisfy a corrective action related to poor drill or exercise performance
- The individual's continuing training has expired, and initial training is determined by EP Management to be the method for re-qualification

The Emergency Planning Manager has the authority to make exceptions to the normal training requirements. Exceptions to the training shall be used on a limited basis and shall be documented with a memorandum in the site training files.

### **6.1.3 Continuing Training**

As long as the individual serves as an emergency responder, he/she shall receive continuing training, as outlined in the Emergency Response Training. Continuing classroom training for selected positions is provided to maintain and improve emergency response knowledge and skills, including the following:

- Changes in emergency preparedness policies, plans, procedures, facilities and equipment.
- Industry emergency operating experience.
- Review of past drill, plant event and exercise performance problems.

### **6.1.4 Drills**

Drill participation is one of the methods for ensuring that ER personnel remain qualified for their position as identified on the ER Training Matrix. Drills are training oriented and used for developing, testing, and proving skills.

### **6.1.5 Exercises**

Exercises are used to evaluate the effectiveness of training provided during classroom training and drill participation. Coaching and/or on the spot corrections are not allowed during an exercise.

### **6.1.6 Training for Offsite Agencies**

Site specific Emergency Response Training will be provided in accordance with the ER Training Matrix for Fire Support, Medical/Rescue, Governmental Support, and Local Law Enforcement Agencies (Attachment 6).

## **6.2 COURSE DESCRIPTIONS**

Course descriptions are documented on "Training Content Summary" forms and recorded in the PeopleSoft training database.

## **6.3 COORDINATION OF TRAINING SCHEDULES**

### **6.3.1 Scheduling Required ER Training**

ER initial training is scheduled on an as-needed basis.

The frequency of continuing training will be accordance with the ER Training Matrix Report.

Scheduling of ER Training is centered around the following considerations:

- Most emergency response training cannot be conducted during refueling outages.
- Sufficient time should be allowed for revision of training materials to include incorporation of changes identified through the SAT evaluation process, changes to the Emergency Plan and Implementing Procedures, commitments to improve performance, and identified errors in training materials.

NRC licensed operator and non-licensed operator continuing training will be included in the Operator Continuing Training Program schedule.

### **6.3.2 Scheduling Required Offsite Agency Training**

Annual training is offered to the offsite agencies listed in attachment 6. This training may be completed any time during the calendar year, and is scheduled to accommodate the organizations as requested.

6.3.2.1 The Site Emergency Planning Manager, Training Support and the following off-site medical personnel will coordinate **Off-Site Medical Support training.**

- Piedmont Medical Center - VP of Emergency Services and Emergency Room Clinical Director or designee
- Emergency Medical Services (EMS) - VP of Emergency Services and EMS Director or designee
- Clover Rescue Squad - Clover Rescue Squad Captain

A minimum of one drill per year involving a contaminated injured person shall be conducted.

6.3.2.2 The Site Emergency Planning Manager, Bethel Fire Department Chief and Bethel Training Officer will coordinate **Off-Site Fire Support Training** for Bethel (primary) and Newport (backup) VFD's.

6.3.2.3 The Corporate Emergency Planner will coordinate **Government Agency Training.**

6.3.2.4 The Site Emergency Planning Manager and the Site Security Manager will coordinate **Local Law Enforcement Agency Training** as a group effort.

6.3.2.5 The Public Affairs Emergency Planning Coordinator will coordinate and deliver **Public Information Officer (PIO)**

**and other related Public Affairs Training.** Frequency of PIO Training will be determined by Public Affairs.

#### **6.4 TRAINING SETTINGS**

Where applicable ER training should be conducted in the emergency response facilities to allow trainees a better understanding of their actual work environment, and equipment.

Offsite Agency Training can be conducted either at the agency location or the nuclear site. The training setting will be determined prior to each training session by the offsite agency and Emergency Planning Manager.

#### **6.5 PROGRAM EVALUATION**

##### **6.5.1 Trainee Evaluation of Training Presentation**

Trainees are requested to provide feedback by completing a student feedback form. The feedback process gives trainees the opportunity to provide input on lesson objectives, training content, reference/handout materials, instructor presentation skills, teaching methods, examinations, and the physical environment of the training setting. Trainee feedback is reviewed by instructors and then forwarded to training management.

Additionally, trainees are requested to write comments on their procedures, equipment, facilities or anything related to their emergency response. Written comments outside the responsibility of the Training Group are forwarded to the Emergency Planning Manager for evaluation.

##### **6.5.2 Training Program Effectiveness Evaluation**

Training Program Effectiveness may be evaluated through drills, exercises, or surveys.

- **Drills**

Each drill concludes with a structured participant critique and an evaluation of the overall ERO performance by the Drill Evaluators/Director.

- **Exercises**

Each exercise concludes with a structured participant critique and a controller/evaluator critique. A performance evaluation follows the critiques to determine whether or not the exercise objectives have been satisfactorily met. Exercises are the primary means of determining the overall effectiveness of training.



- Assessments

Assessments may be used to provide an indication of training program effectiveness.

## **6.6 TRAINEE EVALUATION**

### **6.6.1 ER Training**

Initial Facility Specific Training is knowledge based and trainees will be evaluated using a written examination. Trainees must demonstrate satisfactory mastery of learning objectives by achieving a grade of 80% or higher on written examinations. Examinations are administered immediately following training, or as soon as practical after training is complete.

Initial Position Specific Training is performance based. Initial performance based training for selected positions may be evaluated by completion of a Job Performance Measure (JPM) or drill participation. Training for positions whose ER function is outside the scope of their normal job function may include a performance evaluation.

Continuing ER training will be evaluated through drill participation and for selected positions will also include classroom training. Coaches and evaluators will make on the spot corrections of substandard individual performance during drills. Both drills and exercises will include an evaluation to determine if associated objectives have been satisfactorily met. A further evaluation will be conducted for objectives not satisfactorily met to determine if an individual performance problem exists that may require additional or remedial training.

### **6.6.2 Offsite Agency Training**

Training goals and objectives will be considered satisfactorily met by training attendance. Written tests are not required. Federal authorities will evaluate offsite agency performance where applicable.

## **7.0 ATTACHMENTS**

The following have been included as Attachments to this program description:

Attachment 1: EP Training Course Listing/Summary Numbers

Attachment 2: Technical Support Center (TSC) Training Matrix

Attachment 3: Operations Support Center (OSC) Training Matrix

Attachment 4: Emergency Operations Facility (EOF) Training Matrix

Attachment 5: Control Room Staff Training Matrix

Attachment 6: Offsite Agency Training Matrix

Attachment 7: Fire Brigade Training Matrix

Attachment 8: Fire Brigade Leader Training Matrix

Attachment 9: Public Affairs Training Matrix

Attachment 10: Hazardous Materials Response Team Training Matrix

**EMERGENCY PLAN TRAINING COURSE LISTING / SUMMARY NUMBERS**

<b>CONTROL ROOM</b>		
<b>Summary #</b>	<b>Course Title</b>	<b>Training Matrix Requirement</b>
CNEA21	Off Site Agency Communicator Continuing	X
CNEA42	Off Site Agency Communicator Initial	X

<b>EMERGENCY OPERATIONS FACILITY</b>		
<b>Summary #</b>	<b>Course Title</b>	<b>Training Matrix Requirement</b>
TTN209	Emergency Coordinator / EOF Director Continuing	X
TTN210	Continuing EOF Offsite Agency Communicator	X
TTN213	EOF Facility Specific	X
TTN214	Initial EOF Emergency Planner Position Specific	X
TTN216	Initial EOF Status Keeper Position Specific	X
TTN217	EOF Log Recorder Position Specific	X
TTN366	Fitness for Duty	X
TTN386	EP Portion of PAT for Non-Site ERO Members	X
TTN388	Initial EOF Offsite Agency Communicator Position Specific	X
TTN389	EOF Data Coordinator Position Specific	X
TTN390	TSC/EOF Dose Assessor Position Specific	X
TTC471-N	Annual ERO Refresher/Update CBT	X

<b>EMERGENCY OPERATIONS FACILITY</b>		
<b>Summary #</b>	<b>Course Title</b>	<b>Training Matrix Requirement</b>
TTN391	Initial EOF Director Position Specific	X
TTN392	EOF Field Monitoring Coordinator Position Specific	X
TTN393	EOF Radio Operator Position Specific	X
MC3077	EOF Accident Assessment Manager Position Specific	X
MC3078	EOF Admin. Support Position Specific	X
MC3079	EOF Services Position Specific	X
MC3090	EOF Rad Assessment Manager Position Specific	X
MC3091	EOF Reactor Physics Position Specific	X
MC3092	EOF Accident Assessment Interface Position Specific	X
MC3076	EOF Access Control Director Position Specific	X

<b>MISCELLANEOUS TRAINING</b>		
<b>Summary #</b>	<b>Course Title</b>	<b>Training Matrix Requirement</b>
CNEA35	Annual Exercise Controller/Evaluator Training	
CNEA40	ERO Update - (DART)	
CNEP02	Annual Exercise Player / Observer - (DART)	
HS0537	Drill / Exercise Participation	X
HS0110	Basic Respiratory Protection	X
HS0111	Respiratory Protection Basic Recertification	X
HS0113	Advanced Basic Respiratory (SCBA)	X
HS0116	Advanced Basic Respiratory (SCBA)	X

OFFSITE AGENCY TRAINING		
Summary #	Course Title	Training Matrix Requirement
CNED01	Local Law Enforcement Agencies	X
CNED02	Volunteer Fire Departments	X
CNED03	Offsite Medical Support for EMS	X
CNED04	Offsite Medical Support for Clover Rescue	X
CNED06	Offsite Medical Support for Emergency Room Staff	X
HS0543	Government Agency Training	X

OPERATIONS SUPPORT CENTER		
Summary #	Course Title	Training Matrix Requirement
CNEA03	Initial OSC Position Specific for RP, Chemistry, Maint. And I&E Managers	X
CNEA06	OSC Facility Specific	X
CNEA10	Initial OSC Coordinator Position Specific	X
CNEA38	Initial Position Specific for EH&S, Equipment Engineer, and NSC Managers	X
TTC471-N	Annual ERO Refresher/Update CBT	X

<b>SAMG TRAINING</b>		
<b>Summary #</b>	<b>Course Title</b>	<b>Training Matrix Requirement</b>
CNEP01	SAMG Preview - (DART)	
TTN098	SAMG Evaluator - Initial	X
TTN099	SAMG Overview	X
TTN100	SAMG Decision Maker - Initial	X
TTN211	SAMG Drill	X

<b>SHARED POSITION TRAINING</b>			
<b>Summary #</b>	<b>ERO Facility</b>	<b>Course Title</b>	<b>Training Matrix Requirement</b>
CNEA20	CR/TSC	Offsite Agency Communicator Table Top Drill	
CNEA21	CR/TSC	Offsite Agency Communicator Continuing	X
CNEA28	CR/TSC	Offsite Agency Communicator Update	
CNEA42	CR/TSC	Offsite Agency Communicator Initial	X
CNEA09	OSC/TSC	Logkeeper Continuing Training	
CNEA19	TSC/EOF	Dose Assessment Table Top Drill	
CNEA22	TSC/EOF	Dose Assessment Update	
TTN390	TSC/EOF	Initial Dose Assessment Position Specific	X

<b>B.5.b / EDMG Training</b>			
<b>Summary #</b>	<b>ERO Facility</b>	<b>Course Title</b>	<b>Training Matrix Requirement</b>
DART 422	TSC/EOF OSC	CNS Extensive Damage Mitigation	X
CNEA49-N	TSC	OP-CN-CP-EDM Extensive Damage Mitigation	X

TECHNICAL SUPPORT CENTER		
Summary #	Course Title	Training Matrix Requirement
CNEA05	TSC / OSC Data Coordinator	X
CNEA08	Initial TSC Emergency Coordinator Position Specific	X
CNEA13	Initial NRC Communicator Position Specific	X
CNEA14	Initial TSC Logkeeper Position Specific	X
CNEA16	TSC Facility Specific	X
CNEA24	Initial TSC Engineering Manager Position Specific	X
CNEA32	Initial Evacuation Coordinator Position Specific	X
TTN390	Initial Dose Assessment Position Specific	X
TTN209	EC/EOF Director Continuing	X
TTC471-N	Annual ERO Refresher/Update CBT	X

## TECHNICAL SUPPORT CENTER (TSC) TRAINING MATRIX

	GENERAL		INITIAL			CONTINUING	
POSITION TITLE	RADIATION WORKER (Note 1)	RESP. (Note 2)	FACILITY SPECIFIC (Note 5)	POSITION SPECIFIC	DRILL PART. (Required prior to assuming duty)	POSITION SPECIFIC (Note 6)	DRILL PART. (Note 3)
Data Coordinator	X		CNEA16	CNEA05	HS0537		HS0537
EC / Assistant EC	X		CNEA16	CNEA08 TTN100 CNEA49-N	HS0537	TTN209	HS0537 TTN211
Emergency Planner	X		CNEA16	Note 4	HS0537		HS0537
Evacuation Coord.	X			CNEA32	HS0537		HS0537
TSC Logkeeper	X		CNEA16	CNEA14	HS0537		HS0537
Security Manager	X		CNEA16		HS0537		HS0537
NRC Communicator	X		CNEA16	CNEA13	HS0537		HS0537
Offsite Agency Communicator	X		CNEA16	CNEA42	HS0537	CNEA21	HS0537
RP Support	X		CNEA16		HS0537		HS0537
Dose Assessment	X		CNEA16	TTN390	HS0537	TTN390	HS0537
Operations Engineer	X	X	CNEA16	TTN098 CNEA49-N	HS0537 TTN211		HS0537 TTN211
Assistant OPS Eng.	X	X	CNEA16		HS0537		HS0537
OPS Superintendent	X	X	CNEA16	TTN100 CNEA49-N	HS0537		HS0537 TTN211
Engineering Mgr.	X	X	CNEA16	CNEA24 TTN100 CNEA49-N	HS0537		HS0537 TTN211
Reactor Engineer	X	X	CNEA16	TTN098 CNEA49-N	HS0537		HS0537 TTN211
System Support Eng.	X	X	CNEA16		HS0537		HS0537

Note 1: Must maintain current either RWTFQ, PATFQ and TTC471-N

Note 2: Must maintain current either HS0110 or HS0111

Note 3: HS0537 - Drill Participation is required once per 24 months. TTN211 - SAMG Drill is required once per 2 calendar years.

Note 4: CNS EP Task Guideine #17 (PSG) must be completed prior to assuming the role of duty emergency planner

Note 5: DART 422 (CNS Extensive Mitigation)

Note 6: DART 422 (CNS Extensive Mitigation) is required once per 24 months



## OPERATIONS SUPPORT CENTER (OSC) TRAINING MATRIX

POSITION TITLE	GENERAL		INITIAL			CONTINUING	
	RADIATION WORKER (Note 1)	RESP. (Note 2)	FACILITY SPECIFIC (Note 4)	POSITION SPECIFIC TRNG.	DRILL PART. (Required prior to assuming duty)	POSITION SPECIFIC TRAINING (Note 5)	DRILL PART. (Required once every 24 months)
Chemistry Manager	X	X	CNEA06	CNEA03	HS0537		HS0537
Chemistry Technician	X	X	Note 3	Note 3			
NSC Manager	X	X	CNEA06	CNEA38	HS0537		HS0537
Equipment Engineer	X	X	CNEA06	CNEA38	HS0537		HS0537
SPOC Maintenance Technician	X	X	Note 3	Note 3			
Mechanical Maintenance Manager	X	X	CNEA06	CNEA03	HS0537		HS0537
Operations NLOs	X	X	Note 3	Note 3			
OSC Coordinator	X	X	CNEA06	CNEA10	HS0537		HS0537
RP Manager/Supervisor	X	X	CNEA06	CNEA03	HS0537		HS0537
DRC Supervisor-Support	X	X	CNEA06		HS0537		HS0537
RP Technicians	X	X	Note 3	Note 3			
Log - Status Keeper	X		CNEA06		HS0537		HS0537
EH&S Manager	X	X	CNEA06	CNEA38	HS0537		HS0537

Note 1: Must maintain current either RWTFQ, PATFQ and TTC471-N.

Note 2: Must maintain current either HS0110 or HS0111

Note 3: Technicians assigned to report to OSC will be under supervision of their OSC position Manager. OSC Managers ensure Technicians are qualified to perform emergency related tasks.

Note 4: DART 422 CNS Extensive Damage Mitigation

Note 5: DART 422 (CNS Extensive Mitigation) is required once per 24 months

## EMERGENCY OPERATIONS FACILITY (EOF) TRAINING MATRIX

	GENERAL		INITIAL			CONTINUING	
POSITION TITLE	RADIATION WORKER (Note 1)	FFD (Note 2)	FACILITY SPECIFIC (Note 5)	POSITION SPECIFIC	DRILL PART. (Required prior to assuming duty)	POSITION SPECIFIC (Note 6)	DRILL PART. (Note 3)
Access Control Director	X	X	TTN213	MC3076	HS0537		HS0537
Accident Assessment Manager	X	X	TTN213	MC3077 TTN100	HS0537		HS0537 TTN211
EOF Services Mgr.	X	X	TTN213	MC3079	HS0537		HS0537
EOF Services Commissary/Admin.	X	X			HS0537		HS0537
Data Coordinator	X	X	TTN213	TTN389	HS0537		HS0537
EOF Dose Assessor	X	X	TTN213	TTN390	HS0537	TTN390	HS0537
Emergency Planner	X	X	TTN213	TTN214 Note 4	HS0537		HS0537
EOF Director /Assistant EOF Director	X	X	TTN213	TTN391 TTN100	HS0537	TTN209	HS0537 TTN211
EOF Log Recorder	X	X	TTN213	TTN217	HS0537		HS0537
Field Monitoring Coordinator	X	X	TTN213	TTN392	HS0537		HS0537
Offsite Agency Communicator	X	X	TTN213	TTN388	HS0537	TTN210	HS0537
Operations Interface	X	X	TTN213	MC3088	HS0537		HS0537
Radio Operator	X	X	TTN213	TTN393	HS0537		HS0537
Radiological Assessment Manager	X	X	TTN213	MC3090	HS0537		HS0537
Reactor Physics	X	X	TTN213	MC3091	HS0537		HS0537
Accident Assessment Interface	X	X	TTN213	MC3092 TTN098	HS0537		HS0537 TTN211
Public Affairs Personnel (All Positions)	X	X			HS0537		HS0537

Note 1: Maintain current either RWTFQ, PATFQ and TTC471-N.

Note 2: Maintain current either TTN366, RWTFQ, PATFQ, TTN386.

Note 3: HS0537 - Drill Participation is required once per 24 months. TTN211 - SAMG Drill is required once per 2 calendar years.

Note 4: CNS EP Task Guideline #17 (PSG) must be completed prior to assuming the role of duty emergency planner

Note 5: DART 422 (CNS Extensive Damage Mitigation)

Note 6: DART 422 (CNS Extensive Mitigation) is required once per 24 months

## CONTROL ROOM STAFF TRAINING MATRIX

	GENERAL		INITIAL			CONTINUING	
POSITION TITLE	RAD. WORKER TRAINING <i>Note 1</i>	RESP.  <i>Note 1</i>	FACILITY SPECIFIC	POSITION SPECIFIC	DRILL PART. (Required once every 24 months)	POSITION SPECIFIC TRAINING	DRILL PART. (Required once every 24 months)
Nuclear Control Room Operator	X	X		OP-CN-EP-SEP ( <i>Note 2</i> ) CNEA42		OP-CN-EP-SEP ( <i>Note 3</i> ) CNEA21	
Nuclear Unit Shift Supervisor SROs	X	X		OP-CN-EP-SEP ( <i>Note 2</i> ) ( <i>Note 4</i> ) CNEA42		CNEA21 OP-CN-EP-SEP ( <i>Note 3</i> )	HS0537
Control Room-TSC Communicator	X	X			HS0537	N/A	HS0537
SSA Off Site Communications Assistant				CNEA42 HS0537		CNEA21	HS0537
Operations Shift Manager / Emergency Coordinator	X	X		OP-CN-EP-SEP ( <i>Note 2</i> ) CNEA42		CNEA21 OP-CN-EP-SEP ( <i>Note 3</i> )	HS0537

*Note 1:* Must maintain current either RWTFQ. Respiratory training is required by Operations Dept. to meet control room habitability requirements. Respiratory training will be tracked by the Operations Dept.

*Note 2:* Initial training requirements are met thru the Operations License Training Program.

*Note 3:* Continuing training requirements are met thru the Operations License Requal Training Program.

*Note 4:* OSC familiarization training is presented as part of S0068 SRO ETQS qualification

**OFFSITE AGENCY TRAINING MATRIX**

<b>POSITION TITLE</b>	<b>CONTINUING</b>	
	<b>OFFSITE AGENCY TRAINING</b>	<b>GROUP RESPONSIBLE FOR TRAINING</b>
Local Law Enforcement	CNED01	Site Security and Site Support Tmg.
Volunteer Fire Departments	CNED02	Site Support Tmg.
Offsite Medical Support for EMS	CNED03	Site Support Tmg.
Offsite Medical Support for Clover Rescue	CNED04	Site Support Tmg.
Government Agency	HS0543	General Office EP
Offsite Medical Support for Emergency Room Staff	CNED06	Site Support Tmg.

**INITIAL FIRE BRIGADE TRAINING MATRIX**

GENERAL		INITIAL				
RAD. WORKER TRAINING	RESPIRATORY	FACILITY SPECIFIC	POSITION SPECIFIC	FIRE BRIGADE MEDICAL PHYSICAL	DRILL PARTICIPATION	GROUP RESPON. FOR TRAINING
X	HS0110 or HS0111 And HS0113	CNFA00	HS0300 or CNFA00	HSMF01	NA	SITE SUPPORT TRNG

### CONTINUING FIRE BRIGADE TRAINING MATRIX

	1 <sup>st</sup> Qtr Odd Year APT or CNFA01 or CNFA21	2 <sup>nd</sup> Qtr Odd Year APT or CNFA01 or CNFA22	3 <sup>rd</sup> Qtr Odd Year CNFA23	4 <sup>th</sup> Qtr Odd Year CNFA24	1 <sup>st</sup> Qtr Even Year APT or CNFA21	2 <sup>nd</sup> Qtr Even Year APT or CNFA22	3 <sup>rd</sup> Qtr Even Year CNFA23	4 <sup>th</sup> Qtr Even Year CNFA24
PPE	BB & Pits				BB & LP Gas		X	
Firefighting Foam	Flam. Pits X		X					
Fire Brigade Org. & Response			X					
Fire Behavior & Methods of Extinguishment	BB & Pits				BB & LP Gas	X		
Portable Fire Extinguishers	BB*				BB	X		
HAZMAT For 1 <sup>st</sup> Responders	BB & Pits			X	LP Gas			X
Firefighter Safety	BB & Pits				BB & LP Gas			
Incident Command	BB & Pits X*	X*			BB X			
Fire Hose & Appliances	BB & Pits	X	X		BB & LP Gas			
Fire Streams	Flam. Pits	X	X		BB & LP Gas			
Suppression Detection		X						

<b>Damage Control &amp; Ventilation</b>	BB				BB		X	
<b>Search &amp; Rescue</b>	BB	X			BB & Maze			
<b>Rad. Contam. Fires</b>	X							
<b>HSO113 SCBA or HSO116</b>		X				X		

\* Incident Command to be taught on the odd year during first or second quarter. This will be scheduled around APT dates.

Each fire brigade member must participate in at least two drills per calendar year. Drills may be attended at any time during the year. Drills are documented using course code CNFA03.

Each Fire Brigade Member must complete a medical physical on an annual basis (HSMF01).

**FIRE BRIGADE LEADER TRAINING MATRIX**

Position Title	INITIAL TRAINING	CONTINUING TRAINING
Fire Brigade Leader	<ul style="list-style-type: none"><li>- Must be a qualified Fire Brigade member for a minimum of 2 years</li><li>- Complete Fire Brigade Leader Initial Training (HS0306 or CNFA04)</li></ul>	<ul style="list-style-type: none"><li>- Participate in Annual Practical Training (APT) as the leader in command or Fire Brigade Drill participation as the leader in command</li><li>- Participation once per 2 calendar years (CNFA05)</li></ul>



**PUBLIC AFFAIRS TRAINING MATRIX**

POSITION TITLE	PLANT ACCESS TRAINING		INITIAL			CONTINUING		
	EP Portion (Note 1) (Note 4)	FFD (Note 2) (Note 4)	Facility Specific	Position Specific (Note 4)	Group Responsible for Training (Note 4)	Facility Specific / Req. Trng. (annually +/- 3 months)	Drill Partic. - required every 24 months (Note 4)	Group Responsible for Training
EOF News Manager	X	X	TTN213 (Note 3)	PSE105	Public Affairs	X (Note1)	HS0537	Public Affairs
Nuclear Public Spokesperson	X	X	TTN213 (Note 3)	PSE103 PSE104	Public Affairs	X (Note 1)	HS0537	Public Affairs
Visitor Center Staff	X	X	HS0540	PSE121	Public Affairs	X (Note 1)	HS0537	Public Affairs
Public Information Coordinator (GO)	X	X	TTN213 (Note 3)	PSE107	Public Affairs	PSE100 (Note 1)	HS0537	Public Affairs
EOF Technical Liaison	X	X	TTN213 (Note 3)	PSE106	Public Affairs	X (Note 1)	HS0537	Public Affairs
Public Information Manager	N/A	N/A	HS0540	PSE108	Public Affairs	PSE100	HS0537	Public Affairs
Media Coordinator	N/A	N/A	HS0540	PSE109	Public Affairs	PSE100	HS0537	Public Affairs
Media Liaison	N/A	N/A	HS0540	PSE110	Public Affairs	PSE100	HS0537	Public Affairs
News Writer	N/A	N/A	HS0540	PSE111	Public Affairs	PSE100	HS0537	Public Affairs
Teleproduction Support Coordinator	N/A	N/A	HS0540	PSE112	Public Affairs	PSE100	HS0537	Public Affairs
Regional Communications Coordinator	N/A	N/A	HS0540	PSE113	Public Affairs	PSE100	HS0537	Public Affairs
Government Agency Liaison	N/A	N/A	HS0540	PSE114	Public Affairs	PSE100	HS0537	Public Affairs
Customer Service Center Liaison	N/A	N/A	HS0540	PSE115	Public Affairs	PSE100	HS0537	Public Affairs

Note 1: Maintain current TTC471N and (RWTFQ or PATFQ,)

Note 2: Maintain current either (TTN366 and TTN386) or (TTC471N and (RWTFQ or PATFQ))

Note 3: Training requirements are met with completion of HS-0540 or TTN-213.

Note 4: Plant Access Training and Drill Participation will be tracked by site Emergency Planning Group for access control to the EOF. All remaining Training requirements will be maintained and tracked by Public Affairs.

**PUBLIC AFFAIRS TRAINING MATRIX**

POSITION TITLE	PLANT ACCESS TRAINING		INITIAL			CONTINUING		
	EP Portion	FFD	Facility Specific	Position Specific (Note 4)	Group Responsible for Training (Note 4)	Facility Specific / Req. Trng. (annually +/- 3 months)	Drill Partic.-required every 2 years	Group Responsible for Training
Rumor Control Communicator	N/A	N/A	HS0540				HS0537	Public Affairs
Internal Communications Coordinator	N/A	N/A	HS0540				HS0537	Public Affairs
JIC Administration & Logistics Manager	N/A	N/A	HS0540				HS0537	Public Affairs
Administrative Support (Includes Computer Support, FAX Support, Media Monitor, Media Center Assistant, Registration Support, Delivery Support, Copy Support)	N/A	N/A	HS0540				HS0537	Public Affairs
Nuclear State/County EOC Liaison	RWTFQ or PATFQ	N/A	HS0540			PSE100	HS0537	Public Affairs
State/County EOC Liaison	N/A	N/A	N/A			N/A	N/A	N/A
Public Spokesperson (other than nuclear)	N/A	N/A	N/A			N/A	N/A	N/A

**Additional Training/Information Coordinated by Public Affairs:**

\* Media Training - Mail out package sent to Media outlets annually in March

\* Public Information Officer Training - Classroom training (HS0028) conducted for government agency PIOs prior to graded exercises.

**HAZARDOUS MATERIALS RESPONSE TEAM TRAINING MATRIX**

POSITION TITLE	INITIAL			CONTINUING			
	HAZMAT Initial	Respiratory	HAZMAT Medical Physical	HAZMAT Requal	Respiratory	HAZMAT Medical Physical	Drills
HAZMAT Responder	HS-0250	HS0110 and HS0113	HSMC07	HS-0251	HS0110 and HS0113/ HS0116	HSMC07	CNFB05