



Entergy Nuclear Northeast
Entergy Nuclear Operations, Inc.
James A. FitzPatrick NPP
P.O. Box 110
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Tel 315-342-3840

James D. Jones
Emergency Preparedness Manager

JAFP-16-0052
April 5, 2016

United States Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

Subject: Transmittal of Emergency Plan Updates
James A. FitzPatrick Nuclear Power Plant
Docket No.50-333
License No. DPR-059

Dear Sir or Madam:

The documents enclosed with this letter are changes to the James A. FitzPatrick Nuclear Power Plant's (JAF) Emergency Plan made pursuant to 10 CFR 50.54(q). This transmittal fulfills the requirements of 10 CFR 50.54(q), 10 CFR 50 Appendix E Section V, 10 CFR 70.32(i), and 10 CFR 72.44(f) to inform the Commission of changes that have been made which do not decrease the effectiveness of the Emergency Plan.

The following documents (including change documentation and screening) are attached:

- EAP-15, Revision 14
- SAP-3, Revision 86
- SAP-20, Revision 38

This letter contains no new regulatory commitments.

If you should have any questions, please contact Mr. James D. Jones at (315) 349-6030.

Sincerely,

James D. Jones
Emergency Preparedness Manager

JDJ:cfv

AX45
NRR

Enclosure(s):

The following documents (including change documentation and screening) are attached:

- EAP-15, Revision 14
- SAP-3, Revision 86
- SAP-20, Revision 38

cc w/o screening:


USNRC (I&E) Regional Administrator, Region I – Controlled – 2 Copies
NRC Resident Inspector – Controlled – 1 Copy
NRC Director NMSS – Uncontrolled – 1 Copy
NRC Director Division of Spent Fuel Storage and Transportation – Uncontrolled - 1 Copy
NRC Director, Division of Security Policy – Uncontrolled – 1 Copy
NYSEMO – Controlled – 1 Copy
OCEMO – Controlled – 1 Copy

JAFP-16-0052

Enclosures

Including change documentation and screening:

- EAP-15, Revision 14
- SAP-3, Revision 86
- SAP-20, Revision 38

	NUCLEAR MANAGEMENT MANUAL	QUALITY RELATED	EN-LI-106	REV. 14
		INFORMATIONAL USE		
NRC Correspondence				

ATTACHMENT 9.4
NRC SUBMITTAL REVIEW

Sheet 1 of 2

Letter #: JAFP-16-0052

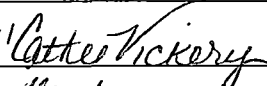
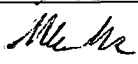
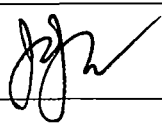
Response Due: 4/8/2016

Subject: Transmittal of Emergency Plan Updates

Date Issued for Review: 3/29/2016


Correspondence Preparer / Phone #: Cathee Vickery 315-349-6777

Section I
Letter Concurrence and Agreement to Perform Actions

POSITION / NAME	Action (concurrence, certification, etc.)	Signature (sign, interoffice memo, e-mail, or telecom)
Emergency Planning Dept.	Preparer/Reviewer	Cathee Vickery / 
Licensing Department	Concurrence	Mark Hawes / 
Emergency Preparedness Manager	Approver	James D. Jones / 
COMMENTS		
<ul style="list-style-type: none"> - EAP-15, Revision 14 - SAP-3, Revision 86 - SAP-20, Revision 38 		

Section II
Correspondence Screening

Does this letter contain commitments? If "yes," identify the commitments with due dates in the submittal and in Section III. When fleet letters contain commitments, a PCRS LO (e.g., LO-LAR, LO-WT) should be initiated with a CA assigned to each applicable site to enter the commitments into the site's commitment management system.	Yes No	<input type="checkbox"/> <input checked="" type="checkbox"/>
Does this letter contain any information or analyses of new safety issues performed at NRC request or to satisfy a regulatory requirement? If "yes," reflect requirement to update the UFSAR in Section III.	Yes No	<input type="checkbox"/> <input checked="" type="checkbox"/>
Does this letter require any document changes (e.g., procedures, DBDs, FSAR, TS Bases, etc.), if approved? If "yes," indicate in Section III an action for the responsible department to determine the affected documents. (The Correspondence Preparer may indicate the specific documents requiring revision, if known or may initiate an action for review.)	Yes No	<input type="checkbox"/> <input checked="" type="checkbox"/>
Does this letter contain information certified accurate? If "yes," identify the information and document certification in an attachment. (Attachment 9.5 must be used.)	Yes No	<input type="checkbox"/> <input checked="" type="checkbox"/>

	NUCLEAR MANAGEMENT MANUAL	QUALITY RELATED	EN-LI-106	REV. 14
		INFORMATIONAL USE		
NRC Correspondence				

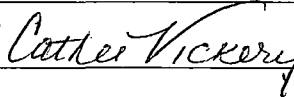

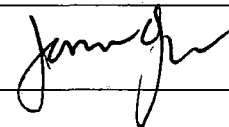
ATTACHMENT 9.4
NRC SUBMITTAL REVIEW

Sheet 2 of 2

Section III
Actions and Commitments

Required Actions <i>Note: Actions needed upon approval should be captured in the appropriate action tracking system</i>	Due Date	Responsible Dept.
N/A		
Commitments <i>Note: When fleet letters contain commitments, a PCRS LO should be initiated with a CA assigned to each applicable site to enter the commitments into the site's commitment management system.</i>	Due Date	Responsible Dept.
N/A		

Section IV * Final Document Signoff for Submittal

Correspondence Preparer	Cathee Vickery / 
Final Submittal Review (optional)	N/A 
Responsible Department Head	James D. Jones / 

**ENTERGY NUCLEAR NORTHEAST
JAMES A. FITZPATRICK NUCLEAR POWER PLANT
DOCUMENT TRANSMITTAL AND RECEIPT ACKNOWLEDGEMENT FORM**

TO: **EP Admin**
DEPT.: **Emergency Planning**
LOCATION: **USNRC Document Control Center, Washington**
DC/RockvilleMD

**SPECIAL NOTES: JAFP Memo & EN-LI-106 form required.
Include 10CFR50.54(q) Screen and Evaluation (EN-EP-305 Attach
9.1 & 9.2)**

CONTROL MANUAL NUMBER **34**

FROM: **KELLY SAWYER**
DEPT.: **ADMINISTRATIVE SERVICES**
LOCATION: **JAF**
DATE: **March 29, 2016**

APPLICABLE MANUAL: E-PLAN PROCEDURES

DOCUMENT NUMBER	DOCUMENT TITLE	REV	EFFECTIVE DATE
UPDATE LIST	VOLUME 3	-	3/31/2016
SAP-3	EMERGENCY COMMUNICATIONS TESTING	86	3/31/2016
SAP-20	EMERGENCY PLAN TRAINING	38	3/31/2016

INSTRUCTIONS:

1. Insert the attached revised documents, and withdraw any noted WITHDRAWN documents from your controlled copy.
2. **DISCARD ALL SUPERCEDED DOCUMENTS, as applicable. DISCARD THIS TRANSMITTAL.**

NOTE

Failure to incorporate these documents into your controlled manual
will result in cancellation of the subject controlled documents.

EMERGENCY PLAN IMPLEMENTING PROCEDURES/VOLUME 3
UPDATE LIST

Date of Issue: 3/31/2016

Procedure Number	Procedure Title	Revision Number	Date of Last Review	Use of Procedure
N/A	TABLE OF CONTENTS	REV. 26	07/15	N/A
EAP-27	ESTIMATION OF POPULATION DOSE WITHIN 10 MILE EMERGENCY PLANNING ZONE	REV. 13	05/15	Reference
EAP-29	EOF VENTILATION ISOLATION DURING AN EMERGENCY	REV. 7	08/13	Informational
EAP-30	EMERGENCY TERMINATION AND TRANSITION TO RECOVERY	REV. 4	07/11	Informational
EAP-34	ACCEPTANCE OF ENVIRONMENTAL SAMPLES AT THE EOF/EL DURING AN EMERGENCY	REV. 5	08/13	Informational
EAP-35	EOF TLD ISSUANCE DURING AN EMERGENCY	REV. 8	08/13	Informational
EAP-36	ENVIRONMENTAL LABORATORY USE DURING AN EMERGENCY	REV. 6	05/13	Informational
EAP-42	OBTAINING METEOROLOGICAL DATA	REV. 25	04/14	Informational
EAP-43	WITHDRAWN (3/10/2016)			
EAP-44	CORE DAMAGE ESTIMATION	REV. 8	07/12	Informational
EAP-45	EMERGENCY RESPONSE DATA SYSTEM (ERDS CONFIGURATION CONTROL PROGRAM)	REV. 9	04/15	Informational
EAP-46	SUPPLEMENTAL ERO ACTIONS	REV. 3	10/15	Reference
SAP-1	MAINTAINING EMERGENCY PREPAREDNESS	REV. 24	12/14	Informational
SAP-2	EMERGENCY EQUIPMENT INVENTORY	REV. 56	12/15	Reference
SAP-3	EMERGENCY COMMUNICATIONS TESTING	REV. 86	12/15	Reference
SAP-8	PROMPT NOTIFICATION SYSTEM FAILURE/SIREN SYSTEM FALSE ACTIVATION	REV. 21	07/15	Informational
SAP-10	METEOROLOGICAL MONITORING SYSTEM SURVEILLANCE	REV. 16	04/15	Reference
SAP-17	EMERGENCY RESPONSE DATA SYSTEM (ERDS) QUARTERLY TESTING	REV. 11	03/11	Informational
SAP-20	EMERGENCY PLAN TRAINING	REV. 38	03/15	Informational
SAP-23	EQUIPMENT IMPORTANT TO EMERGENCY PREPAREDNESS	REV. 1	12/14	Informational
SAP-24	LOSS OF EMERGENCY PREPAREDNESS CAPABILITIES	REV. 0	12/15	Informational

CONTROLLET

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

EMERGENCY COMMUNICATIONS TESTING
SAP-3
REVISION 86

EFFECTIVE DATE: March 31, 2016

*****	*****
* REFERENCE USE *	* QUALITY RELATED *
*****	*****
* ADMINISTRATIVE *	CONTROLLED

PERIODIC REVIEW DUE DATE: October 2020

REVISION SUMMARY SHEET

<u>REV.NO.</u>	<u>CHANGE AND REASON FOR CHANGE</u>
86	LIMITED REVISION
1.	Attachment 1 - Section 1.d. - Remove EOF Main Number - 1-315-593-5700. Reason: the phone is no longer used and there are no requirements stating that this phone is needed.
2.	Attachment 2 - Page 1 - Update INPO Emergency Response number from 800-321-0614 to (404)290-3980 and (404)290-3977. Reason: INPO emergency response phone number has been changed.

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1.0 PURPOSE

The purpose of this procedure is to provide instructions for testing emergency communications systems and checking and updating the telephone number list. This procedure also provides a mechanism for determining if an organization has changed key personnel.

2.0 REFERENCES

2.1 Performance References

2.1.1 EAP-1.1 - OFFSITE NOTIFICATIONS

2.1.2 AP-02.04 - CONTROL OF PROCEDURES

2.2 Developmental References

2.2.1 EN-AD-103 - DOCUMENT CONTROL AND RECORDS MANAGEMENT PROGRAMS

2.2.2 EN-PL-147 - PERSONNEL EXPECTATIONS RELATED TO EMERGENCY RESPONSE AT ENTERGY NUCLEAR SITES

2.2.3 SAP-20 - EMERGENCY PLAN ASSIGNMENTS

2.2.4 NUREG-0654, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants.

2.2.5 EN-EP-310, Emergency Response Organization Notification System

3.0 INITIATING EVENTS

None

4.0 PROCEDURE

4.1 Communication checks shall be performed by individuals assigned by the Radiation Protection Manager, except for the following which may be performed by Emergency Planning Department personnel:

4.1.1 The B.5.b Extreme Damage Scenario radio checks (Attachment 2).

4.2 Communications checks shall be performed using the appropriate checklist(s) at the frequencies shown below:

4.2.1 Monthly checks are performed using Attachment 1, MONTHLY EMERGENCY COMMUNICATIONS CHECKLIST.

4.2.2 Quarterly checks are performed using Attachment 2, QUARTERLY EMERGENCY COMMUNICATIONS CHECKLIST.

4.3 The Quarterly Communication Check shall include the following:

4.3.1 For each agency contacted, verify personnel names and phone numbers are current. Note any changes on the checklist and ensure a Procedure Change Request (PCR) is initiated per AP-02.04 for this procedure and for EAP-1.1, as applicable.

4.3.2 ERO members verify contact information quarterly consistent with EN-EP-310 Quarterly Member Profile Update Review.

4.4 IF a discrepancy or UNSAT condition is discovered, THEN:

4.4.1 The person who discovered the problem shall:

- a. Consider repeating the portion of the surveillance that failed
- b. Document the results, including details that will help understand the problem
- c. Contact EP and inform them of the failure
- d. Initiate a Condition Report

4.4.2 EP shall:

- a. Determine and implement compensatory actions, as required.

b. Initiate corrective actions as follows:

1. Telephone (except NRC ETS) issues:
Initiate WR with I&C
2. RECS system issues: Reference EAP 1.1
Attachment 11
3. NRC ETS issues: Reference EAP 1.1
Attachment 9
4. Dedicated line issues: Initiate WR with
I&C
5. Radio issues: Initiate WR with I&C
6. Satellite phone issues: Initiate WR with
I&C
7. Radio issues: Initiate WR with I&C

NOTE: EAP-1.1 - OFFSITE NOTIFICATIONS, provides guidance for the use of communications systems.

- 4.5 Forward the completed checklists to the Emergency Preparedness Manager, or designee, who shall take appropriate action.
- 4.6 The Emergency Preparedness Manager, or designee, will review completed checklists for completeness, accuracy, and any discrepant or unsatisfactory conditions.
 - 4.6.1 **IF** unsatisfactory conditions are not immediately corrected, **THEN** initiate the appropriate tracking item for resolution, such as INDUS, help desk ticket, or Condition Report.
 - 4.6.2 **IF** telephone number changes are identified, **THEN** initiate a Procedure Change Request (PCR).
 - 4.6.3 Notify the Emergency Preparedness Manager or designee, and appropriate RP supervision, of unsatisfactory surveillance items.

5.0 ATTACHMENTS

1. MONTHLY EMERGENCY COMMUNICATIONS CHECKLIST
2. QUARTERLY EMERGENCY COMMUNICATIONS CHECKLIST
3. EMERGENCY COMMUNICATIONS CHECKLIST INSTRUCTIONS

1. Land-Line Communications

	Location	Telephone #	SAT/UNSAT	Verified by Initial / Date
a.	Oswego County E-911 Center	911		
b.	NYS Watch Center	1-518-292-2200		
c.	Alt. NYS Watch Center (NY State Police)	1-518-457-6811		
d.	JAF Control Room	1-315-349-6666		
e.	Security (SAS)	Plant Ext-3456		
f.	OSC	1-315-349-6837		
g.	TSC Back-up - Training Bldg, 2 nd floor	1-315-349-6396		
h.	TSC Back-up - Training Bldg, 2 nd floor	1-315-349-6398		
i.	OSC Back-up - Mech. Trng. Classroom	1-315-349-6240		
j.	Everbridge (verify recording reached)	888-440-4911		
k.	Everbridge-alt. (verify recording reached)	303-825-2212		

2. NYS Radiological Emergency Communication System (RECS) Hotline

For EOF only, check the area used: (test different drop periodically)

Main Area Communicator ____ County Rm and State ____ Communications Rm ____

CR DATE	TSC DATE	EOF DATE	SEQUENCE OF RECS ROLL CALL FOR JAFNPP	Verified by Initial / Date
			Nine Mile Point Unit 1 Control Room	
			Nine Mile Point Unit 2 Control Room	
			Oswego County Warning Point	
			Oswego County EOC	
			NYS Watch Center (State Office of Emergency Management)	

MESSAGE CONTENT FOR RECS LINE TEST INITIATED BY JAF

1. Press A then * to activate all call. (Wait 10 seconds before speaking).
2. "This is a Test. This is a test. This is the James A. FitzPatrick Nuclear Power Plant _____ (state location - Control Room, Technical Support Center, Emergency Operations Facility). Standby for Roll Call. This is a Test"
3. (Call Roll in Accordance with 2 above)
4. Upon hearing their station name called during roll call, stations will confirm by answering.
5. After completing roll call, recall all stations not answering by saying "JAF (State Location) recalling (Name of Station Not Answering)".
6. Sign off by saying "This has been a test from the James A. FitzPatrick (State Location), (Time), and (Date)".

MONTHLY EMERGENCY COMMUNICATIONS CHECKLIST

Page 2 of 7

3. NRC Emergency Telecommunications System (ETS)

(Note: See Attachment 3 for ETS Testing Guidance)

Control Room

Phone	Phone No.	Location	Outgoing SAT/UNSAT	Incoming SAT/UNSAT	Verified by Initial / Date
ENS ¹	1-700-371-5321	SM Office			

¹ This phone must be checked at the same time as the TSC ENS phone.

TSC

Phone	Phone No.	Location	Outgoing SAT/UNSAT	Incoming SAT/UNSAT	Verified by Initial / Date
ENS ²	1-700-371-5321	NRC Comm. Desk			
HPN	1-700-371-6773	RSC Desk			
HPN	1-700-371-6773	NRC Office			
RSCL	1-700-371-5319	NRC Office			
PMCL	1-700-371-5322	NRC Office			

² This phone must be checked at the same time as the CR ENS phone.

EOF

Phone	Phone No.	Location	Outgoing SAT/UNSAT	Incoming SAT/UNSAT	Verified by Initial / Date
ENS	1-700-371-0064	Main Area - Communicator Desk			
ENS	1-700-371-0064	Comm. Room			
HPN	1-700-371-6299	Dose Assessment Room - Communicator			
RSCL	1-700-371-0063	NRC Office Area			
PMCL	1-700-371-0062	NRC Office Area			
PMCL	1-700-371-0062	ENTERGY Plant Assessment Room			
RSCL	1-700-371-0063	ENTERGY Plant Assessment Room			
SPARE	1-700-371-0065	Communications Room			

EOF continued

PMCL	1-700-371-0062	Main Area - Protective Measures Coordinator			
MC	1-700-371-0060	NRC Office Area			
MCL	1-700-371-0060	Main Area - Protective Measures Coordinator			
LAN	1-700-371-0061	Entergy Plant Assessment Room			
RSCL	1-700-371-0063	Main Room - Reactor Safety Coordinator			

4. Dedicated Lines (Hotlines)

Communications Link Utilized		SAT/UNSAT	Verified by Initial / Date
a.	4-way Talker Conference Bridge (See Emergency Telephone Directory for bridge numbers)		
b.	TSC-OSC #63 PL-18382		
c.	TSC-AOSC #63 PL-16960		
d.	TSC-EOF #63 PLNA-28775		

5. Radio Communications (Refer to attachment 3 - Notify Security Coordinator 6422 before and after radio tests)

TSC RADIO SYSTEM - VHF (Motorola MC2500)

Radiological Channel 2	SAT/UNSAT	Verified by Initial/date
To/From EOF Dose Assessment Room		
To/From Control Room		
To/From EP-1		
To/From EP-2		

911 Channel	SAT/UNSAT	Verified by Initial/date
To/From Oswego County 911		

Security VHF Channel	SAT/UNSAT	Verified by Initial/date
To/From Security		

TSC RADIO SYSTEM - UHF (Motorola MC 1000 radios)

Station 1/Frequency 1	SAT/UNSAT	Verified by Initial/date
To/From EOF		

Station 1/Frequency 2	SAT/UNSAT	Verified by Initial/date
To/From EOF		

Station 2/Frequency 1	SAT/UNSAT	Verified by Initial/date
To/From EOF		

Station 2/Frequency 2	SAT/UNSAT	Verified by Initial/date
To/From EOF		

TSC SATELLITE LIBRARY RADIOS - (Motorola hand held radios)

Test all 4 hand held radios with each other	SAT/UNSAT	Verified by Initial/date
To/From radio		
To/From radio		
To/From radio		
To/From radio		

CONTROL ROOM RADIO SYSTEM - VHF (Motorola MC2000)

Radiological Channel 2	SAT/UNSAT	Verified by Initial/date
To/From EOF Dose Assessment Room		
To/From EP-1		
To/From EP-2		

911 Channel	SAT/UNSAT	Verified by Initial/date
To/From Oswego County 911		

Security VHF Channel	SAT/UNSAT	Verified by Initial/date
To/From Security		

CONTROL ROOM RADIO SYSTEM - UHF (Motorola MC 1000 radio)

Station 1/Frequency 1	SAT/UNSAT	Verified by Initial/date
To/From EOF		

Station 1/Frequency 2	SAT/UNSAT	Verified by Initial/date
To/From EOF		

Station 2/Frequency 1	SAT/UNSAT	Verified by Initial/date
To/From EOF		

Station 2/Frequency 2	SAT/UNSAT	Verified by Initial/date
To/From EOF		

MONTHLY EMERGENCY COMMUNICATIONS CHECKLIST

Page 6 of 7

EOF RADIO SYSTEM - VHF (Motorola MC1000) in Dose Assessment Room

Radiological Channel 2	SAT/UNSAT	Verified by Initial/date
To/From RES-3		

Security VHF Channel	SAT/UNSAT	Verified by Initial/date
To/From JAF Security		

EOF RADIO SYSTEM - UHF (Motorola MC 1000 radios)

Tested/Recorded per TSC and Control Room Sections - No data entry required here.
--

EOF HAND-HELD RADIOS (4) - VHF (Motorola) in EOF storage room near roll-up door

Security Channel 1	SAT/UNSAT	Verified by Initial/date
To/From each EOF hand-held		
Radiological Channel 2	SAT/UNSAT	Verified by Initial/date
To/From each EOF hand-held		

OSC HAND-HELD RADIOS (5) - VHF (Motorola) on table in OSC main area

Security Channel 1	SAT/UNSAT	Verified by Initial/date
To/From each OSC hand-held		
Radiological Channel 2	SAT/UNSAT	Verified by Initial/date
To/From each OSC hand-held		

M-1 Radio - (For Backup DWST vehicle) in OSC

Security Channel 1	SAT/UNSAT	Verified by Initial/date
To/From Radio		
Radiological Channel 2	SAT/UNSAT	Verified by Initial/date
To/From Radio		

CELLULAR AND SATELLITE TELEPHONES

	Location	Telephone #	SAT/UNSAT	Verified by Initial/Date
a.	EP-1 (Cell)	591-2165		
b.	EP-2 (Cell)	591-2173		
c.	RES-3 (Cell)	593-5005		
d.	M-1 Onsite Survey Vehicle (Cell Phone in OSC)	593-5027		
e.	Control Room (Cell)	591-0482		
f.	TSC (Cells)	591-0473		
		591-0476		
		591-0479		
g.	OSC (Cell)	593-4757		
h.	Security Shift Supervisor (Cell)	593-9539		
i.	TSC (Satellite) Wait 4 to 5 minutes after power on to establish service.	1-800-988-7278		
j.	NRC - Simulator (In-plant Cell)	315-349-6203		
k.	4 -way Comm. Simulator (In-plant Cell)	315-349-6550		
l.	NRC - Control Room (In- plant Cell)	315-349-6527		
m.	4 way Comm. Control Rm (In-plant Cell)	315-349-6538		

REMARKS

Performed by:

Initials	Print Name	Signature	Date

Emergency Preparedness Manager / Designee

Date _____

QUARTERLY EMERGENCY COMMUNICATIONS CHECKLIST

Page 1 of 3

Agency/Individual	Phone #	SAT/UNSAT	Verified By Init/Date
Coast Guard-Buffalo Search & Rescue	(716)843-9500		
Operations Center	(716)843-9525		
Coast Guard-Oswego Officer in Charge	(315)343-1551		
ECC Marcy	(315)797-8271		
INPO Emergency Response	(404)290-3980 (404)290-3977		
NMPNS #1 Control Room	(315)349-5201		
NMPNS #2 Control Room	(315)349-5202		
NRC Emergency Operations Center	(301)816-5100		
	(301)951-0550		
	(301)415-0550		
	(301)415-0553		
NRC Resident Office	(315)342-4907		
	(315)349-6667		
Ed Knutsen (home)	(315)342-7409		
	(cell) (610)937-7618		
Beth Sienel (cell)	(315)944-8259		
	(home) (315)638-0524		
NY State Office of Emergency Management	(518)292-2200		
	(518)292-2302		
Oswego County EOC	(315)591-9150		

B.5.B EXTREME DAMAGE SCENARIO RADIO CHECK (TSG-12)

THIS SECTION MAY BE PERFORMED BY EMERGENCY PLANNING DEPT. PERSONNEL			
QTY		SAT/UNSAT	Initial/Date
(6)	Test each of (6) hand held B.5.b radios in B&G garage with a hand held radio at the Training Center		
(6)	Test each of (6) hand held radios in the Training Center with a hand held B.5.b radio at the B&G garage.		
(4)	Test each of (4) county radios with 911 center or OCEMO		

QUARTERLY EMERGENCY COMMUNICATIONS CHECKLIST

Page 2 of 3

Agency/Individual	Phone	SAT/UNSAT	Verified by Init/Date
NYS Bureau of Environmental Radiation Control - Director	(518) 402-7550		
General Electric BWR Emergency Support	(910) 819-6446		
US Dept. Of Energy RAP/IRAP, Police Headquarters for Brookhaven National Labs	(631) 344-2200		
US Dept. Of Energy REAC/TS	(865) 576-1005		
OSWEGO HOSPITAL Administration	(315) 349-5520		
OSWEGO HOSPITAL Emergency Room	(315) 349-5522		
University Hospital Radiation Physics Office	(315) 464-6510		
University Hospital Emergency Room	(315) 464-5612		
American Nuclear Insurers	(860) 682-1341		
National Earthquake Information Center Website http://earthquake.usgs.gov	(303) 273-8500		
TSC NRC Cell Phone / headset	(315) 326-2135		
Test 4 GETS Cards in TSC	See Attachment 3 for guidance		
Test 4 GETS Cards in EOF	See Attachment 3 for guidance		
American Nuclear Insurers (ANI) Emergency Contact	(877) 680-2644		

QUARTERLY EMERGENCY COMMUNICATIONS CHECKLIST

Page 3 of 3

Hand-held Satellite phones - must be used outside with antenna raised and in vertical position. Wait for display to indicate service is available prior to dialing. Check both incoming and outgoing, refer to EP aid for dialing instructions.

Location	Telephone#	SAT/UNSAT	Verified by Initial/Date
CR - Equipment storage area next to operator kitchen	8816-224-11819		
CR - Equipment storage area next to operator kitchen	8816-414-94557		
TSC - EPM Desk	8816-414-94554		
TSC - RECS Communicator Desk	8816-414-94549		
OSC - OSC Manager Desk	8816-414-94561		
OSC - Equipment Storage Room	8816-224-11820		
EOF - ED Desk	8816-414-94559		
EOF - Communicator Desk	8816-414-94558		
EOF - Rad Coordinator Desk	8816-414-94555		
EOF - Rad Survey Team Radio Operator	8816-414-94543		
JIC - JAF Spokesperson Desk	8816-414-94565		

Remarks / Phone # Changes Required:

Performed by:

Initials	Print Name	Signature	Date

Emergency Preparedness Manager / Designee

Date

EMERGENCY COMMUNICATIONS CHECKLIST INSTRUCTIONS

NOTE 1: The UHF radio system has 2 stations and 2 frequencies available. The sending and receiving radio consoles must be set to the same station number and frequency in order to communicate.

NOTE 2: The station must be selected prior to selecting the frequency.

1. RADIO CHECK OPERATING GUIDANCE

A. UHF Radio Operation (TSC, EOF and Control Room)

1. Locate Motorola MC1000 UHF Link radio (at Radio Dispatcher desk in TSC, Shift Manager's office in Control Room, and Communications Room at the EOF).
2. Verify power is ON.
Select Station 1 (Green LED Off)
 - **IF** Station 1 is already displayed, **THEN** you must "toggle" stations by first selecting Station 2, then re-select Station 1.
 - The UHF radio you want to communicate with must be set to the same station number in the same manner as the previous step.
3. Select Frequency 1 (F1). IF F1 is already displayed, **THEN** you must "toggle" frequencies by first selecting F2, then re-select F1. The UHF radio you want to communicate with must be set to the same frequency number, in the same manner.
4. Rotate the volume knob to about the halfway point (12 o'clock).
5. Lift handset and depress handset button to transmit. Release button to receive.
6. **IF** communication using a different station frequency number is needed:
 - **THEN** the sending and receiving radios must be set to the same station AND frequency.
 - **FIRST** select the desired station number
 - **THEN** select the desired frequency using the associated push buttons and observing the adjacent LED.

EMERGENCY COMMUNICATIONS CHECKLIST INSTRUCTIONS

B. VHF RADIO (TSC)

NOTE: Make sure the volume on the desk set is turned up as it controls both the hands-free speaker and the handset speaker.

1. Locate Motorola MC2500 VHF radio at Radio Dispatcher desk.
2. Verify power is ON.
3. Verify VHF is selected by observing that the top green LED is lit.
 - IF NOT lit, THEN select VHF by depressing the top green button.
4. Select Radiological channel by using up and down arrows until "Radiological" is displayed in window. Select 911 or Security channels as needed using up and down arrows.
5. Rotate the volume knob to approximately the halfway point (12 o'clock).
6. Lift the handset and depress handset button to transmit. Release button to receive.

C. CONTROL ROOM VHF RADIO

1. Locate Motorola MC2000 VHF radio in the Shift Manager's office.
2. Verify the power is ON.
3. Select Radiological channel by using up and down arrows until "Radiological" is displayed in window. Select 911 or Security channels as needed using up and down arrows.
4. Rotate the volume knob to about the halfway point (12 o'clock).
5. Lift handset and depress handset button to transmit. Release button to receive.

D. EOF VHF RADIO

1. Locate the Motorola MC1000 Radio at the Radio Operators' Desk in the Dose Assessment Room.
2. Verify power is ON. (If power is not ON, hit RESET button on power strip on floor.)
3. Verify toggle switch is in the "Radiological" (OP) position.
4. Select F1 for Radiological VHF channel.
5. Select F2 for Security VHF channel.
6. Adjust volume using volume dial, as needed.
7. Lift handset and depress handset button to transmit. Release button to receive.

EMERGENCY COMMUNICATIONS CHECKLIST INSTRUCTIONS

E. EOF and OSC VHF Hand-Held Radios

NOTE: Testing shall be performed where the radios are ≥ 50 feet from each other.

1. Locate the Motorola VHF Hand-held Radios in the EOF Storage Room (roll-up door area)
2. Verify power is ON for all radios.
3. Select Frequency 1 on all radios.
4. Depress handset button to transmit.
5. Release button to receive.
6. Adjust volume using up and down arrows, as needed.
7. Repeat for Frequency 2.
8. Verify that the hand-held radios can send and receive between each other.
9. Turn radios off and return to chargers (verify yellow charge light is on).

2. TEST PROCEDURES FOR THE NRC EMERGENCY TELECOMMUNICATIONS SYSTEM (ETS)

A. Description

The ETS is a separate and distinct system from the public switched network (NY Telephone, Alltel, etc.). It is part of the Federal Telecommunications System (FTS) 2001 network which provides a separate government network for all essential communications functions.

B. Requirements

Emergency Notification System (ENS) - The Control Room extension is tested daily by Operations personnel. However, a monthly test shall also be conducted from all locations (Control Room, TSC, EOF) in accordance with step D below.

Health Physics Network (HPN) - All bridged extensions shall be tested monthly in accordance with step D below.

Emergency Response Data System (ERDS) - This line is located in the TSC (Aux Computer Room) and shall be tested monthly in accordance with step D below.

EMERGENCY COMMUNICATIONS CHECKLIST INSTRUCTIONS3. SATELLITE PHONE MAINTENANCE - VENDOR RECOMMENDATIONS

- A. If possible, keep all hand held satellite phones and spare batteries on continuous charge. Batteries will maintain approximately 95% of charge for 3 months, so rotate onto charge quarterly if continuous charge is not possible.
- B. Deployable kits should be left on continuous charge.
- C. Test phones installed in control rooms quarterly by calling the Iridium Platform at 1-480-752-5105.
- D. Verify functionality of portable phones by powering up quarterly
- E. Perform operability check of portable phones annually by calling the Iridium Platform at 1-480-752-5105.
- F. Test battery capability annually by powering up a fully charged phone and leaving it on standby for 6-8 hours; verify 50-75% charge remaining.
- G. Deployable phone large batteries should be replaced every 4-5 years.
- H. Small batteries should be replaced every 3-4 years.

EMERGENCY COMMUNICATIONS CHECKLIST INSTRUCTIONS

Other ETS lines shall be tested monthly per step D below.

C. Instructions for operating ETS phones

Lift the receiver on the telephone instrument and listen for dial tone. After receiving dial tone, dial the desired eleven (11) digit number.

D. Instructions for monthly testing all ETS lines

All ETS lines and bridged extension shall be tested each month for both incoming and outgoing calls.

DO NOT call the NRC Operations Center when testing these phones. Each phone shall be tested by placing and receiving a call to/from any other on site ETS phone.

4. GETS CARDS (GOVERNMENT EMERGENCY TELECOMMUNICATIONS SERVICE) TESTING

A. Ask Emergency Planning how to obtain key to KI lock box where GETS cards are located

B. Obtain 4 envelopes containing GETS cards and instructions

C. Follow instructions on the back of each plastic card:

- Dial the number on the back of the card
- Enter PIN on the front of the card
- When prompted, say the phone number that you want to call (usually a phone next to you)
- When the phone next to you rings, answer it, you should hear your own voice; hang up, call is completed.

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

EMERGENCY PLAN TRAINING
SAP-20
REVISION 38

EFFECTIVE DATE: March 31, 2016

*****	*****
* INFORMATIONAL USE *	* QUALITY RELATED *
*****	*****
* ADMINISTRATIVE *	CONTROLLED

PERIODIC REVIEW DUE DATE: MARCH 2021

REVISION SUMMARY SHEET

REV. NO. CHANGE AND REASON FOR CHANGE

38 Limited Revision

Attachment 1 – Operations Coordinator – changed TSC WKTH to “Once only” instead of “12 months” for requal. Reason: Requal is “Once only” should have stated that in the last revision.

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1.0 PURPOSE

Details the JAF site specific training and qualification requirements for personnel assigned to the Emergency Response Organization (ERO).

2.0 REFERENCES**2.1 Performance References**

None

2.2 Developmental References

- 2.2.1 JAF Emergency Plan Section 5 - ORGANIZATION
- 2.2.2 EN-TQ-110, EMERGENCY RESPONSE ORGANIZATION TRAINING
- 2.2.3 EAP-17 - EMERGENCY ORGANIZATION STAFFING
- 2.2.4 EN-RP-501 - RESPIRATORY PROTECTION PROGRAM
- 2.2.5 EN-RP-503 - SELECTION, ISSUE, AND USE OF RESPIRATORY PROTECTION EQUIPMENT
- 2.2.6 ENN-PL-140 - EMERGENCY RESPONSE ORGANIZATION RESPIRATORY PROTECTION GUIDELINES
- 2.2.7 EN-EP-801 - EMERGENCY RESPONSE ORGANIZATION

3.0 REQUIREMENTS

3.1 Expectations

- 3.1.1 ACT-99-40398 (DER-99-00118) Ensure the Emergency Response Organization immediately reviews any procedural deviations or departures taken from approved plant procedures during emergencies.

3.2 Commitments

- 3.2.1 Training/Qualification Course - B5B Training for Emergency Director. Course training code JLP-EP-EDB5B Revise SAP-20 to identify which Emergency Plan Assignments require this training.

4.0 INITIATING EVENTS

None

5.0 PROCEDURE

NOTE: EN-EP-110-01 allows the site training program to be described in the fleet and site ERO training procedures. The JAF training program utilizes training requirements and guidance from the fleet training procedures as well as this procedure. JAF is transitioning to the fleet standard curricula.

- 5.1 Attachment 1 includes a list of ERO Training Requirements used for ERO member qualification and requalification. These requirements are intended to complement the ERO training requirements contained in EN-TQ-110, Emergency Response Organization Training.
- 5.2 All respiratory qualification requirements, for ERO positions are contained in this procedure. EN-RP-501 - RESPIRATORY PROTECTION PROGRAM defines the requirements to obtain the respiratory qualifications.
- 5.3 Requalification frequency for ERO personnel is annual.
- 5.4 Personnel in training for ERO positions:
- 5.4.1 Are responsible for completing their ERO qualification within a maximum of three months of being assigned to do so.
- A. If greater than 3 months is required, then the Manager Emergency Planning shall approve the extension.

- 5.4.2 Shall be active in successfully completing their qualification activities, to include:
- A. Self-study of applicable emergency plan implementing procedures
 - B. Utilization of qualified incumbents to perform walkthroughs of applicable emergency facilities and practice implementation of emergency activities sufficient to ensure success in the drill qualification activity (if applicable).
 - C. When a drill is required for qualification, should demonstrate the performance of the major activities while being evaluated by a qualified incumbent.

6.0 ATTACHMENTS

- 1. ERO Training Requirements
- 2. ERO Training Applicability

ATTACHMENT 1
ERO TRAINING REQUIREMENTS

Page 1 of 14

On-Shift Positions

SHIFT MANAGER - Location: CR

On Shift: YES

On Call: NO

Respirator Qual

B1 Position: YES

SCBA and MSA

NRC PI Position: YES

COURSE:

ESSPERS

SNO/STA

4 Way

ICP

Drill Shift Manager

Drill Control Room Communicator

COM3.2.1

B5B Training For Emergency Director

CODE:

EP-12.5.3

EP-12.5.4.2

JCBT-EP-4WAY

JCBT-EP-ICP

JDRL-CR-SM

JDRL-CR-COMM

REQUAL:

12 Months

12 Months

12 Months

12 Months

24 Months

24 Months

JLP-EP-EDB5B

12 Months

CONTROL ROOM SUPERVISOR/FSS (FSS/STA) - Location: CR

On Shift: YES

On Call: NO

Respirator Qual

B1 Position: YES

SCBA and MSA

NRC PI Position: NO

COURSE:

ESSPERS

SNO/STA

4 Way

ICP

Drill Control Room Supervisor

CODE:

EP-12.5.3

EP-12.5.4.2

JCBT-EP-4WAY

JCBT-EP-ICP

JDRL-CR-CRS

REQUAL:

12 Months

12 Months

12 Months

12 Months

24 Months

SENIOR NUCLEAR OPERATOR (SNO) - Location: CR

On Shift: YES

On Call: NO

Respirator Qual

B1 Position: YES

SCBA and MSA

NRC PI Position: NO

COURSE:

ESSPERS

SNO/STA

Drill Senior Nuclear Operator

CODE:

EP-12.5.3

EP-12.5.4.2

JDRL-CR-SNO

REQUAL:

12 Months

12 Months

24 Months

NUCLEAR PLANT OPERATOR (NPO) - Location: CR

On Shift: YES

On Call: NO

Respirator Qual

B1 Position: YES

SCBA and MSA

NRC PI Position: NO

COURSE:

ESSPERS

NPO

SIML WKTH

CODE:

EP-12.5.3

EP-12.5.5.1

EP-12.6.7

REQUAL:

12 Months

12 Months

Once Only

CHEMISTRY TECHNICIAN - Location: OSC

On Shift: YES

On Call: NO

Respirator Qual

B1 Position: YES

SCBA and MSA

NRC PI Position: NO

COURSE:

ESSPERS

RC&S

OSC WKTH

SIML WKTH

Enhanced walkthrough

CODE:

EP-12.5.3

EP-12.5.6.2

EP-12.6.2

EP-12.6.7

JEW-OSC-CMT

REQUAL:

12 Months

12 Months

Once Only

Once Only

Once Only

ATTACHMENT 1
ERO TRAINING REQUIREMENTS

Page 2 of --

On-Shift Positions

RAD PROTECTION TECHNICIAN - Location: OSC

On Shift: YES

On Call: NO

Respirator Qual

B1 Position: YES

SCBA and MSA

NRC PI Position: NO

COURSE:

ESSPERS

RC&S

OSC WKTH

SIML WKTH

Enhanced walkthrough

CODE:

EP-12.5.3

EP-12.5.6.2

EP-12.6.2

EP-12.6.7

JEW-OSC-RPT

REQUAL:

12 Months

12 Months

Once Only

Once Only

Once Only

SHIFT SECURITY SUPERVISOR - Location: JAF

On Shift: YES

On Call: NO

Respirator Qual

B1 Position: YES

MSA

NRC PI Position: NO

COURSE:

ESSPERS

EVAC &ACCT

ICP

Drill Security Shift Supervisor

CODE:

EP-12.5.3

EP-12.5.7

JCBT-EP-ICP

JDRL-JAF-SSS

REQUAL:

12 Months

12 Months

12 Months

24 Months

NUCLEAR SECURITY OFFICER - Location: JAF

On Shift: YES

On Call: NO

Respirator Qual

B1 Position: YES

MSA

NRC PI Position: NO

COURSE:

ESSPERS

EVAC &ACCT

CODE:

EP-12.5.3

EP-12.5.7

REQUAL:

12 Months

12 Months

ATTACHMENT 1
ERO TRAINING REQUIREMENTS

Page 3 of 14

TSC Positions

EMERGENCY PLANT MANAGER - Location: TSC

On Shift: NO On Call: YES
Respirator Qual

COURSE:

ESSPERS
TSC WKTH
Drill Emergency Plant Manager
B5B Training For Emergency Director

B1 Position: NO
None

CODE:

EP-12.5.3
EP-12.6.1
JDRL-TSC-EPM
JLP-EP-EDB5B

NRC PI Position: YES

REQUAL:

12 Months
Once Only
24 Months
12 Months

TSC MANAGER - Location: TSC

On Shift: NO On Call: YES
Respirator Qual

COURSE:

ESSPERS
TSC WKTH
Drill TSC Manager
B5B Training For Emergency Director

B1 Position:
None

CODE:

EP-12.5.3
EP-12.6.1
JDRL-TSC-MGR
JLP-EP-EDB5B

NRC PI Position: YES

REQUAL:

12 Months
Once Only
24 Months
12 Months

SECURITY COORDINATOR - Location: TSC

On Shift: NO On Call: YES
Respirator Qual

COURSE:

ESSPERS
EVAC &ACCT
ICP
TSC WKTH
Drill Security Coordinator

B1 Position: NO
None

CODE:

EP-12.5.3
EP-12.5.7
JCBT-EP-ICP
EP-12.6.1
JDRL-TSC-SEC

NRC PI Position: NO

REQUAL:

12 Months
12 Months
12 Months
Once Only
24 Months

TSC COMMUNICATOR - Location: TSC

On Shift: NO On Call: NO
Respirator Qual

COURSE:

ESSPERS
TSC WKTH
Enhanced Walkthrough

B1 Position: NO
None

CODE:

EP-12.5.3
EP-12.6.1
JEW-TSC-LOG

NRC PI Position: NO

REQUAL:

12 Months
Once Only
Once Only

ENS COMMUNICATOR - Location: TSC

On Shift: NO On Call: YES
Respirator Qual

COURSE:

ESSPERS
E-COMM
TSC WKTH
Drill ENS Communicator

B1 Position: NO
None

CODE:

EP-12.5.3
EP-12.5.5
EP-12.6.1
JDRL-TSC-NRC

NRC PI Position: NO

REQUAL:

12 Months
12 Months
Once Only
24 Months

REACTOR ENGINEER - Location: CR/TSC

On Shift: NO On Call: YES
Respirator Qual

COURSE:

ESSPERS
SAM
TSC WKTH
Drill Reactor Engineer
URI SUPPORT

B1 Position: YES
None

CODE:

EP-12.5.3
EP-12.5.15
EP-12.6.1
JDRL-TSC-RXE
JCBT-EP-12.6URISUPPORT

NRC PI Position: NO

REQUAL:

12 Months
24 Months or SAM drill
Once Only
24 Month
12 Months

ATTACHMENT 1
ERO TRAINING REQUIREMENTS

Page 4 of 23

TSC Positions

OPERATIONS COORDINATOR - Location: CR/TSC

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

NRC PI Position: YES

COURSE:

ESSPERS

SNO/STA

4 Way

TSC WKTH

Drill Operations Coordinator (2)

COM3.2.1

B5B Training For Emergency Director

CODE:

EP-12.5.3

EP-12.5.4.2

JCBT-EP-4WAY

EP-12.6.1

JDRL-CR-OPS

REQUAL:

12 Months

12 Months

12 Months

Once Only

24 Months

JLP-EP-EDB5B

12 Months

MAINTENANCE COORDINATOR - Location: TSC

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

NRC PI Position: NO

COURSE:

ESSPERS

ER&CA

TSC WKTH

Drill Maintenance Coordinator

CODE:

EP-12.5.3

EP-12.5.8

EP-12.6.1

JDRL-TSC-EMC

REQUAL:

12 Months

12 Months

Once Only

24 Months

ENGINEERING COORDINATOR - Location: TSC

On Shift: NO

On Call: YES

Respirator Qual

B1 Position:

NRC PI Position: YES

None

COURSE:

ESSPERS

TSC WKTH

Drill Engineering Coordinator

CODE:

EP-12.5.3

EP-12.6.1

JDRL-TSC-TCR

REQUAL:

12 Months

Once Only

24 Months

MECHANICAL ENGINEER - Location: TSC

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: YES

NRC PI Position: NO

None

COURSE:

ESSPERS

TSC WKTH

Enhanced walkthrough

CODE:

EP-12.5.3

EP-12.6.1

JEW-TSC-ENG

REQUAL:

12 Months

Once Only

Once Only

ELECTRICAL/I&C ENGINEER - Location: TSC

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: YES

NRC PI Position: NO

None

COURSE:

ESSPERS

TSC WKTH

Enhanced walkthrough

CODE:

EP-12.5.3

EP-12.6.1

JEW-TSC-ENG

REQUAL:

12 Months

Once Only

Once Only

RADIOLOGICAL COORDINATOR - Location: TSC

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: YES

NRC PI Position: YES

None

COURSE:

ESSPERS

TSC WKTH

URI SUPPORT

SAM

Drill Rad Coordinator

CODE:

EP-12.5.3

EP-12.6.1

EP-12.6URISUPPORT

EP-12.5.15

JDRL-TSC-RSC

REQUAL:

12 Months

Once Only

12 Months

24 Months or SAM drill

24 Months

ATTACHMENT 1
ERO TRAINING REQUIREMENTS

Page 5 of 14

TSC Positions

CLERK TELEPHONE/TELECOPY - Location: TSC

On Shift: NO

On Call: NO

Respirator Qual

B1 Position: NO

None

NRC PI Position: NO

COURSE:

ESSPERS

TSC WKTH

Enhanced walkthrough

CODE:

EP-12.5.3

EP-12.6.1

JEW-TSC-CLR

REQUAL:

12 Months

Once Only

Once Only

ATTACHMENT 1
ERO TRAINING REQUIREMENTS

Page 6 of 11

OSC Positions

OSC MANAGER - Location: OSC

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

None

NRC PI Position: YES

COURSE:

ESSPERS

ER&CA

OSC WKTH

Drill OSC Manager

CODE:

EP-12.5.3

EP-12.5.8

EP-12.6.2

JDRL-OSC-MAN

REQUAL:

12 Months

12 Months

Once Only

24 Months

OSC OPERATIONS SUPPORT - Location: OSC

On Shift: NO

On Call: NO

Respirator Qual

B1 Position: NO

None

NRC PI Position: NO

COURSE:

ESSPERS

OSC WKTH

Enhanced Walkthrough

CODE:

EP-12.5.3

EP-12.6.2

JEW-OSC-OPS

REQUAL:

12 Months

Once Only

Once Only

WORK CONTROL COORDINATOR - Location: OSC

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

None

NRC PI Position: NO

COURSE:

ESSPERS

ER&CA

OSC WKTH

Drill Work Control Coordinator

CODE:

EP-12.5.3

EP-12.5.8

EP-12.6.2

JDRL-OSC-WCC

REQUAL:

12 Months

12 Months

Once Only

24 Months

MECHANICAL COORDINATOR - Location: OSC

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

None

NRC PI Position: NO

COURSE:

ESSPERS

ER&CA

OSC WKTH

Drill Mechanical Coordinator

CODE:

EP-12.5.3

EP-12.5.8

EP-12.6.2

JDRL-OSC-SEM

REQUAL:

12 Months

12 Months

Once Only

24 Months

ELECTRICAL/I&C COORDINATOR - Location: OSC

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

None

NRC PI Position: NO

COURSE:

ESSPERS

ER&CA

OSC WKTH

Drill - Electrical/I&C Coordinator

CODE:

EP-12.5.3

EP-12.5.8

EP-12.6.2

JDRL-OSC-SEM

REQUAL:

12 Months

12 Months

Once Only

24 Months

ATTACHMENT 1
ERO TRAINING REQUIREMENTS

Page 7 of 14

OSC Positions

RAD PROTECTION/CHEMISTRY COORDINATOR - Location: OSC

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: YES

None

NRC PI Position: NO

COURSE:

ESSPERS

RC&S

OSC WKTH

Drill RADIATION PROTECTION/CHEMISTRY
COORDINATOR**CODE:**

EP-12.5.3

EP-12.5.6.2

EP-12.6.2

JDRL-OSC-RPS

REQUAL:

12 Months

12 Months

Once Only

24 Months

OSC LOG KEEPER - Location: OSC

On Shift: NO

On Call: NO

Respirator Qual

B1 Position: NO

None

NRC PI Position: NO

COURSE:

ESSPERS

OSC WKTH

Enhanced Walkthrough

CODE:

EP-12.5.3

EP-12.6.2

JEW-OSC-CLR

REQUAL:

12 Months

Once Only

Once Only

ELECTRICIAN - Location: OSC

On Shift: NO

On Call: NO

Respirator Qual

B1 Position: YES

MSA

NRC PI Position: NO

COURSE:

ESSPERS

ER&CA

OSC WKTH

Enhanced walkthrough

CODE:

EP-12.5.3

EP-12.5.8

EP-12.6.2

JEW-OSC-ELC

REQUAL:

12 Months

12 Months

Once Only

Once Only

I&C TECHNICIAN - Location: OSC

On Shift: NO

On Call: NO

Respirator Qual

B1 Position: YES

MSA

NRC PI Position: NO

COURSE:

ESSPERS

ER&CA

OSC WKTH

Enhanced walkthrough

CODE:

EP-12.5.3

EP-12.5.8

EP-12.6.2

JEW-OSC-ICT

REQUAL:

12 Months

12 Months

Once Only

Once Only

MECHANIC - Location: OSC

On Shift: NO

On Call: NO

Respirator Qual

B1 Position: YES

MSA

NRC PI Position: NO

COURSE:

ESSPERS

ER&CA

OSC WKTH

Enhanced walkthrough

CODE:

EP-12.5.3

EP-12.5.8

EP-12.6.2

JEW-OSC-MEC

REQUAL:

12 Months

12 Months

Once Only

Once Only

ATTACHMENT 1
ERO TRAINING REQUIREMENTS

Page 8 of

EOF Positions

EMERGENCY DIRECTOR - Location: EOF
On Shift: NO On Call: YES
 Respirator Qual

COURSE:

ESSPERS
EMER DIR/COORD
EOF WKTH
Drill Emergency Director

COM3.2.1

B5B Training For Emergency Director

B1 Position: YES
None

CODE:

EP-12.5.3
EP-12.5.4.1
EP-12.6.3
JDRL-EOF-ED

NRC PI Position: YES

REQUAL:

12 Months
12 Months
Once Only
24 Months

JLP-EP-EDB5B

12 Months

EOF MANAGER - Location: EOF
On Shift: NO On Call: YES
 Respirator Qual

COURSE:

ESSPERS
EOF WKTH
Drill EOF Manager

B1 Position: NO
None

CODE:

EP-12.5.3
EP-12.6.3
JDRL-EOF-MGR

NRC PI Position: YES

REQUAL:

12 Months
Once Only
24 Months

EOF TECHNICAL ADVISOR - Location: EOF
On Shift: NO On Call: YES
 Respirator Qual

COURSE:

ESSPERS
EOF WKTH
Drill EOF Technical Advisor
URI SUPPORT

B1 Position: NO
None

CODE:

EP-12.5.3
EP-12.6.3
JDRL-EOF-TEC
JCBT-EP-12.6URISUPPORT

NRC PI Position: NO

REQUAL:

12 Months
Once Only
24 Months
12 Months

EOF LOG KEEPER - Location: EOF
On Shift: NO On Call: NO
 Respirator Qual

COURSE:

ESSPERS
EOF WKTH
Enhanced Walkthrough

B1 Position: NO
None

CODE:

EP-12.5.3
EP-12.6.3
JEW-EOF-LOG

NRC PI Position: NO

REQUAL:

12 Months
Once Only
Once Only

OFFSITE COMMUNICATOR - Location: EOF
On Shift: NO On Call: YES
 Respirator Qual

COURSE:

ESSPERS
E-COMM
EOF WKTH
Drill Offsite Communicator

B1 Position: NO
None

CODE:

EP-12.5.3
EP-12.5.5
EP-12.6.3
JDRL-EOF-OCM

NRC PI Position: NO

REQUAL:

12 Months
12 Months
Once Only
24 Months

EOF COMMUNICATOR - Location: EOF
On Shift: NO On Call: YES
 Respirator Qual

COURSE:

ESSPERS
E-COMM
EOF WKTH
Drill EOF Communicator

B1 Position: NO
None

CODE:

EP-12.5.3
EP-12.5.5
EP-12.6.3
JDRL-EOF-CMM

NRC PI Position: NO

REQUAL:

12 Months
12 Months
Once Only
24 Month

ATTACHMENT 1
ERO TRAINING REQUIREMENTS

Page 9 of 14

EOF Positions

EOF DOSE ASSESSMENT CLERK - Location: EOF

On Shift: NO

On Call: NO

Respirator Qual

B1 Position: NO

NRC PI Position: NO

None

COURSE:

ESSPERS

EOF WKTH

Enhanced Walkthrough

CODE:

EP-12.5.3

EP-12.6.3

JEW-EOF-RCL

REQUAL:

12 Months

Once Only

Once Only

ADMIN & LOGISTICS COORDINATOR - Location: EOF

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

NRC PI Position: NO

None

COURSE:

ESSPERS

EOF WKTH

Drill Admin & Logistics Coordinator

CODE:

EP-12.5.3

EP-12.6.3

JDRL-EOF-STF

REQUAL:

12 Months

Once Only

Once Only

LEAD OFFSITE LIAISON - Location: EOF

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

NRC PI Position: NO

None

COURSE:

ESSPERS

EOF WKTH

Drill Lead Offsite Liaison

CODE:

EP-12.5.3

EP-12.6.3

JDRL-EOF-EDA

REQUAL:

12 Months

Once Only

24 Months

OFFSITE LIAISON - Location: EOF

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

NRC PI Position: NO

None

COURSE:

ESSPERS

EOF WKTH

Drill OFFSITE Liaison

CODE:

EP-12.5.3

EP-12.6.3

JDRL-EOF-OSW

REQUAL:

12 Months

Once Only

Once Only

RADIOLOGICAL ASSESSMENT COORDINATOR - Location: EOF

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: YES

NRC PI Position: YES

None

COURSE:

ESSPERS

RAD ASSES

URI

EOF WKTH

Drill Rad Assessment Coordinator

CODE:

EP-12.5.3

EP-12.5.6.1

EP-12.6.URI

EP-12.6.3

JDRL-EOF-RSC

REQUAL:

12 Months

12 Months

12 Months

Once Only

24 Months

DOSE ASSESSOR - Location: EOF

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

NRC PI Position: NO

None

COURSE:

ESSPERS

RAD ASSES

URI

EOF WKTH

Drill Dose Assessor

CODE:

EP-12.5.3

EP-12.5.6.1

EP-12.6.URI

EP-12.6.3

JDRL-EOF-REN

REQUAL:

12 Months

12 Months

12 Months

Once Only

24 Months

ATTACHMENT 1
ERO TRAINING REQUIREMENTS

Page 10 of

EOF Positions

OFFSITE TEAM COORDINATOR - Location: EOF

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

None

NRC PI Position: NO

COURSE:

ESSPERS

RAD ASSES

EOF WKTH

Drill Offsite Team Coordinator

CODE:

EP-12.5.3

EP-12.5.6.1

EP-12.6.3

JDRL-EOF-RDC

REQUAL:

12 Months

12 Months

Once Only

24 Months

EOF CLERK - Location: EOF

On Shift: NO

On Call: NO

Respirator Qual

B1 Position: NO

None

NRC PI Position: NO

COURSE:

ESSPERS

EOF WKTH

Enhanced Walkthrough

CODE:

EP-12.5.3

EP-12.6.3

JEW-EOF-CLR

REQUAL:

12 Months

Once Only

Once Only

IT SPECIALIST - Location: EOF

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

None

NRC PI Position: NO

COURSE:

ESSPERS

EOF WKTH

TSC WKTH

Enhanced walkthrough (TSC and EOF)

CODE:

EP-12.5.3

EP-12.6.3

EP-12.6.1

JEW-TSC-CMP

REQUAL:

12 Months

Once Only

Once Only

Once Only

ATTACHMENT 1
ERO TRAINING REQUIREMENTS

Page 11 of 14

JIC Positions

COMPANY SPOKESPERSON - Location: JIC

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

None

NRC PI Position: NO

COURSE:

ESSPERS

JIC

JIC WKTH

Drill Company Spokesperson / JIC Manager

CODE:

EP-12.5.3

EP-12.5.14

EP-12.6.6

JDRL-JNC-DRC

REQUAL:

12 Months

12 Months

Once Only

24 Months

JIC MANAGER - Location: JIC

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

None

NRC PI Position: NO

COURSE:

ESSPERS

JIC

JIC WKTH

Drill Company Spokesperson / JIC Manager

CODE:

EP-12.5.3

EP-12.5.14

EP-12.6.6

JDRL-JNC-DRC

REQUAL:

12 Months

12 Months

Once Only

24 Months

JIC TECHNICAL ADVISOR - Location: JIC

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

None

NRC PI Position: NO

COURSE:

ESSPERS

JIC

JIC WKTH

Drill JIC Technical Advisor

CODE:

EP-12.5.3

EP-12.5.14

EP-12.6.6

JDRL-JNC-TEC

REQUAL:

12 Months

12 Months

Once Only

24 Months

JIC MEDIA LIAISON - Location: JIC

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

None

NRC PI Position: NO

COURSE:

ESSPERS

JIC

JIC WKTH

Drill JIC Media Liaison

CODE:

EP-12.5.3

EP-12.5.14

EP-12.6.6

JDRL-JNC-MDL

REQUAL:

12 Months

12 Months

Once Only

24 Months

JIC LOG KEEPER - Location: JIC

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

None

NRC PI Position: NO

COURSE:

ESSPERS

JIC

JIC WKTH

Enhanced Walkthrough

CODE:

EP-12.5.3

EP-12.5.14

EP-12.6.6

JEW-JNC-LOG

REQUAL:

12 Months

12 Months

Once Only

Once only

JIC LOGISTICS COORDINATOR - Location: JIC

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

None

NRC PI Position: NO

COURSE:

ESSPERS

JIC

JIC WKTH

Drill JIC Logistics Coordinator

CODE:

EP-12.5.3

EP-12.5.14

EP-12.6.6

JDRL-JNC-ADM

REQUAL:

12 Months

12 Months

Once Only

24 Months

ATTACHMENT 1
ERO TRAINING REQUIREMENTS

Page 12 of 21

JIC Positions

JIC INFORMATION COORDINATOR - Location: JIC

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

NRC PI Position: NO

COURSE:

ESSPERS

JIC

JIC WKTH

Drill JIC Information Coordinator

CODE:

EP-12.5.3

EP-12.5.14

EP-12.6.6

JDRL-JNC-INF

REQUAL:

12 Months

12 Months

Once Only

24 Months

JIC INQUIRY RESPONSE COORDINATOR - Location: JIC

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

NRC PI Position: NO

COURSE:

ESSPERS

JIC

JIC WKTH

Drill JIC Inquiry Response Coordinator

CODE:

EP-12.5.3

EP-12.5.14

EP-12.6.6

JDRL-JNC-INC

REQUAL:

12 Months

12 Months

Once Only

24 Months

JIC TECHNICAL ASSISTANT - Location: JIC

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

NRC PI Position: NO

COURSE:

ESSPERS

JIC

JIC WKTH

Drill JIC Technical Assistant

CODE:

EP-12.5.3

EP-12.5.14

EP-12.6.6

JDRL-JNC-TAS

REQUAL:

12 Months

12 Months

Once Only

24 Months

PRESS RELEASE WRITER - Location: JIC

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

NRC PI Position: NO

COURSE:

ESSPERS

JIC

JIC WKTH

Drill Press Release Writer

CODE:

EP-12.5.3

EP-12.5.14

EP-12.6.6

JDRL-JNC-WTR

REQUAL:

12 Months

12 Months

Once Only

24 months

MEDIA MONITORING - Location: JIC

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

NRC PI Position: NO

COURSE:

ESSPERS

JIC

JIC WKTH

Enhanced Walkthrough

CODE:

EP-12.5.3

EP-12.5.14

EP-12.6.6

JEW-JNC-MDM

REQUAL:

12 Months

12 Months

Once Only

Once Only

PUBLIC INQUIRY RESPONDERS - Location: JIC

On Shift: NO

On Call: YES

Respirator Qual

B1 Position: NO

NRC PI Position: NO

COURSE:

ESSPERS

JIC

JIC WKTH

Enhanced Walkthrough

CODE:

EP-12.5.3

EP-12.5.14

EP-12.6.6

JEW-JNC-INQ

REQUAL:

12 Months

12 Months

Once Only

Once Only

ATTACHMENT 1
ERO TRAINING REQUIREMENTS

Page 13 of 14

JIC Positions

JIC CLERICAL - Location: JIC

On Shift: NO

On Call: NO

Respirator Qual

B1 Position: NO

None

NRC PI Position: NO.

COURSE:

ESSPERS

JIC

JIC WKTH

Enhanced Walkthrough

CODE:

EP-12.5.3

EP-12.5.14

EP-12.6.6

JEW-JNC-CLR

REQUAL:

12 Months

12 Months

Once Only

Once Only

ATTACHMENT 1
ERO TRAINING REQUIREMENTS

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Additional Support Positions (does not appear on JAF ERO)

B&G MECHANIC - Location: OSC

On Shift: NO On Call: NO
Respirator Qual

COURSE:

ESSPERS
OSC WKTH
Enhanced Walkthrough

B1 Position: NO
MSA

CODE:

EP-12.5.3
EP-12.6.2
JEW-OSC-BGM

NRC PI Position: NO

REQUAL:

12 Months
Once Only
Once Only

B&G TRADES - Location: OSC

On Shift: NO On Call: NO
Respirator Qual

COURSE:

ESSPERS
OSC WKTH
Enhanced Walkthrough

B1 Position: NO
None

CODE:

EP-12.5.3
EP-12.6.2
JEW-OSC-BGT

NRC PI Position: NO

REQUAL:

12 Months
Once Only
Once Only

TOOL ROOM ATTENDANT - Location: OSC

On Shift: NO On Call: NO
Respirator Qual

COURSE:

ESSPERS
OSC WKTH
Enhanced Walkthrough

B1 Position: NO
None

CODE:

EP-12.5.3
EP-12.6.2
JEW-OSC-TRM

NRC PI Position: NO

REQUAL:

12 Months
Once Only
Once Only

WAREHOUSE PERSON - Location: OSC

On Shift: NO On Call: NO
Respirator Qual

COURSE:

ESSPERS
OSC WKTH
Enhanced Walkthrough

B1 Position: NO
None

CODE:

EP-12.5.3
EP-12.6.2
JEW-OSC-WPR

NRC PI Position: NO

REQUAL:

12 Months
Once Only
Once Only

4-WAY PHONE TALKER - Location: TSC

On Shift: NO On Call: NO
Respirator Qual

COURSE:

ESSPERS
TSC WKTH
4 Way
Enhanced walkthrough

B1 Position: NO
None

CODE:

EP-12.5.3
EP-12.6.1
JCBT-EP-4WAY
JEW-TSC-4WAY

NRC PI Position: NO

REQUAL:

12 Months
Once Only
12 Months
Once Only

OSC SUPPORT - Location: OSC

On Shift: NO On Call: NO
Respirator Qual

COURSE:

ESSPERS
OSC WKTH
Enhanced Walkthrough

B1 Position: NO
None

CODE:

EP-12.5.3
EP-12.6.2
JEW-OSC-SUP

NRC PI Position: NO

REQUAL:

12 Months
Once Only
Once Only

ATTACHMENT 2

Page 1 of 3

ERO TRAINING APPLICABILITY

COMMON ABBREVIATIONS & ACRONYM TABLE

EMER DIR/COORD	EMERGENCY DIRECTOR & COORDINATOR TRAINING
SNO/STA	SENIOR NUCLEAR OPERATOR (LICENSED OPERATOR) & SHIFT TECHNICAL ADVISOR TRAINING
E-COMM	EMERGENCY COMMUNICATIONS TRAINING
NPO	NUCLEAR PLANT OPERATOR (NON-LICENSED OPERATOR TRAINING)
RAD ASSESS	RADIOLOGICAL ASSESSMENT PERSONNEL TRAINING
URI	DOSE ASSESSMENT COMPUTER APPLICATION
RC&S	RADIOLOGICAL CONTROLS AND SURVEYS TRAINING
EVAC & ACCT	EMERGENCY ACCESS CONTROL, EVACUATION AND ACCOUNTABILITY TRAINING
ER&CA	EMERGENCY REPAIR & CORRECTIVE ACTIONS TRAINING
JIC	JOINT INFORMATION CENTER TRAINING
TSC WLKTH	TECHNICAL SUPPORT CENTER WALKTHROUGH
OSC WLKTH	OPERATIONAL SUPPORT CENTER WALKTHROUGH
EOF WLKTH	EMERGENCY OPERATIONS CENTER WALKTHROUGH
JIC WLKTH	JOINT INFORMATION CENTER WALKTHROUGH
SIML WLKTH	SIMULATOR WALKTHROUGH
SAM	SEVERE ACCIDENT MANAGEMENT

ATTACHMENT 2

Page 2 of 3

ERO TRAINING APPLICABILITY

NOTES:

- Severe Accident Management (SAM) training may include tabletop drills as training at a frequency to be determined by the EPC.
- Operations Coordinators may attend either Emergency Director or EP Licensed Operator training.
- Successful completion of Emergency Director training satisfies EP Licensed Operator training.
- Successful completion of EP Licensed Operator training satisfies Emergency Director training.
- For NRC licensed personnel filling dual roles as Operations Coordinators Offsite Liaisons and ED/TSC Manager Alternates, attendance at SNO/STA training satisfies the annual training requirement, with additional training being obtained through participation in drills/exercises in the ED role.
- NRC License holders who perform as a Shift Manager in a performance indicator drill or evaluated simulator session for PI credit for drill participation may be given credit as OPS Coordinator for the purpose of PI tracking.
- Operations Coordinators performing roll of 4-way hotline talker during performance indicator drill can receive re-qualification drill credit for JDRL-CR-OPS (Operations Coordinator) and credit for JEW-TSC-4WAY.
- Shift Manager during performance indicator drill can receive initial or re-qualification drill credit for JDRL-CR-SM (Shift Manager), JDRL-CR-COMM (Communicator) and JDRL-CR-OPS (Operations Coordinator).
- Shift Manager during performance indicator simulator activities that require emergency declaration and notification, such as the Annual Simulator Exams, can receive initial or re qualification drill credit for JDRL-CR-SM (Shift Manager), JDRL-CR-COMM (Communicator), JDRL-CR-CRS (Control Room Supervisor) and JDRL-CR-SNO (Senior Nuclear Operator).

ATTACHMENT 2

Page 3 of 3

ERO TRAINING APPLICABILITY

NOTES:

- Control Room Supervisor/FSS during performance indicator simulator activities that require emergency declaration, such as the Annual Simulator Exams can receive initial or re-qualification drill credit for JDRL-CR-CRS (Control Room Supervisor/FSS).
- Senior Nuclear Operator during performance indicator simulator activities that require emergency declaration, such as the Annual Simulator Exams can receive initial or re-qualification drill credit for JDRL-CR-SNO (Senior Nuclear Operator).
- Respiratory qualification may be excluded for those individuals that are determined to be medically incapable of functioning in a respirator, or are unable to achieve a satisfactory seal due to extraordinary facial features as long as minimum requirements as defined in ENN-PL-140 - EMERGENCY RESPONSE ORGANIZATION RESPIRATORY PROTECTION GUIDELINES are maintained and EN-RP-501 - RESPIRATORY PROTECTION PROGRAM requirements are met.
- Offsite Monitoring Team function may be performed by Emergency Plan Qualified RP/Chemistry Technicians as well as those trained in Offsite Monitoring Team position.
- Personnel who do not have a drill as a qualification requirement shall complete a Enhanced Walkthrough (EP 12.6.8). These ERO positions do not contain complexity or inter-facility interactions that would typically require a drill to complete.
- Participation in a drill as a player or controller satisfies the requirements for an Enhanced Walkthrough.

Procedure/Document Number: SAP-3		Revision: 86	
Equipment/Facility/Other: JAF			
Title: Emergency Communications Testing			
Part I. Description of Activity Being Reviewed (event or action, or series of actions that may result in a change to the emergency plan or affect the implementation of the emergency plan):			
1. Attachment 1 – Section 1.d. - Remove EOF Main Number – 1-315-593-5700. 2. Attachment 2 – Page 1 – Update INPO Emergency Response number from 800-321-0614 to (404)290-3980 and (404)290-3977.			
Part II. Activity Previously Reviewed? Is this activity fully bounded by an NRC approved 10 CFR 50.90 submittal or Alert and Notification System Design Report? If YES, identify bounding source document number/approval reference and ensure the basis for concluding the source document fully bounds the proposed change is documented below: Justification: <input type="checkbox"/> Bounding document attached (optional)		<input type="checkbox"/> YES 50.54(q)(3) Evaluation is NOT required. Enter justification below and complete Part VI.	<input checked="" type="checkbox"/> NO Continue to next part
Part III. Applicability of Other Regulatory Change Control Processes Check if any other regulatory change processes control the proposed activity. (Refer to EN-LI-100) NOTE: For example, when a design change is the proposed activity, consequential actions may include changes to other documents which have a different change control process and are NOT to be included in this 50.54(q)(3) Screening.			
APPLICABILITY CONCLUSION <input checked="" type="checkbox"/> If there are no controlling change processes, continue the 50.54(q)(3) Screening. <input type="checkbox"/> One or more controlling change processes are selected, however, some portion of the activity involves the emergency plan or affects the implementation of the emergency plan; continue the 50.54(q)(3) Screening for that portion of the activity. Identify the applicable controlling change processes below. <input type="checkbox"/> One or more controlling change processes are selected and fully bounds all aspects of the activity. 50.54(q)(3) Evaluation is NOT required. Identify controlling change processes below and complete Part VI.			
CONTROLLING CHANGE PROCESSES 10CFR50.54(q)			
Part IV. Editorial Change Is this activity an editorial or typographical change such as formatting, paragraph numbering, spelling, or punctuation that does not change intent? Justification:		<input type="checkbox"/> YES 50.54(q)(3) Evaluation is NOT required. Enter justification and complete Part VI.	<input checked="" type="checkbox"/> NO Continue to next part

Procedure/Document Number: SAP-3		Revision: 86	
Equipment/Facility/Other: JAF			
Title: Emergency Communications Testing			
Part V. Emergency Planning Element/Function Screen (Associated 10 CFR 50.47(b) planning standard function identified in brackets) Does this activity affect any of the following, including program elements from NUREG-0654/FEMA REP-1 Section II?			
1. Responsibility for emergency response is assigned. [1]			<input type="checkbox"/>
2. The response organization has the staff to respond and to augment staff on a continuing basis (24/7 staffing) in accordance with the emergency plan. [1]			<input type="checkbox"/>
3. The process ensures that on shift emergency response responsibilities are staffed and assigned. [2]			<input type="checkbox"/>
4. The process for timely augmentation of onshift staff is established and maintained. [2]			<input type="checkbox"/>
5. Arrangements for requesting and using off site assistance have been made. [3]			<input type="checkbox"/>
6. State and local staff can be accommodated at the EOF in accordance with the emergency plan. [3]			<input type="checkbox"/>
7. A standard scheme of emergency classification and action levels is in use. [4]			<input type="checkbox"/>
8. Procedures for notification of State and local governmental agencies are capable of alerting them of the declared emergency within 15 minutes after declaration of an emergency and providing follow-up notifications. [5]			<input type="checkbox"/>
9. Administrative and physical means have been established for alerting and providing prompt instructions to the public within the plume exposure pathway. [5]			<input type="checkbox"/>
10. The public ANS meets the design requirements of FEMA-REP-10, Guide for Evaluation of Alert and Notification Systems for Nuclear Power Plants, or complies with the licensee's FEMA-approved ANS design report and supporting FEMA approval letter. [5]			<input type="checkbox"/>
11. Systems are established for prompt communication among principal emergency response organizations. [6]			<input type="checkbox"/>
12. Systems are established for prompt communication to emergency response personnel. [6]			<input type="checkbox"/>
13. Emergency preparedness information is made available to the public on a periodic basis within the plume exposure pathway emergency planning zone (EPZ). [7]			<input type="checkbox"/>
14. Coordinated dissemination of public information during emergencies is established. [7]			<input type="checkbox"/>
15. Adequate facilities are maintained to support emergency response. [8]			<input type="checkbox"/>
16. Adequate equipment is maintained to support emergency response. [8]			<input type="checkbox"/>
17. Methods, systems, and equipment for assessment of radioactive releases are in use. [9]			<input type="checkbox"/>
18. A range of public PARs is available for implementation during emergencies. [10]			<input type="checkbox"/>
19. Evacuation time estimates for the population located in the plume exposure pathway EPZ are available to support the formulation of PARs and have been provided to State and local governmental authorities. [10]			<input type="checkbox"/>
20. A range of protective actions is available for plant emergency workers during emergencies, including those for hostile action events.[10]			<input type="checkbox"/>

Procedure/Document Number: SAP-3		Revision: 86	
Equipment/Facility/Other: JAF			
Title: Emergency Communications Testing			
21. The resources for controlling radiological exposures for emergency workers are established. [11]			<input type="checkbox"/>
22. Arrangements are made for medical services for contaminated, injured individuals. [12]			<input type="checkbox"/>
23. Plans for recovery and reentry are developed. [13]			<input type="checkbox"/>
24. A drill and exercise program (including radiological, medical, health physics and other program areas) is established. [14]			<input type="checkbox"/>
25. Drills, exercises, and training evolutions that provide performance opportunities to develop, maintain, and demonstrate key skills are assessed via a formal critique process in order to identify weaknesses. [14]			<input type="checkbox"/>
26. Identified weaknesses are corrected. [14]			<input type="checkbox"/>
27. Training is provided to emergency responders. [15]			<input type="checkbox"/>
28. Responsibility for emergency plan development and review is established. [16]			<input type="checkbox"/>
29. Planners responsible for emergency plan development and maintenance are properly trained. [16]			<input type="checkbox"/>
APPLICABILITY CONCLUSION			
<input checked="" type="checkbox"/> If no Part V criteria are checked, a 50.54(q)(3) Evaluation is <u>NOT</u> required; document the basis for conclusion below and complete Part VI.			
<input type="checkbox"/> If any Part V criteria are checked, complete Part VI and perform a 50.54(q)(3) Evaluation.			
BASIS FOR CONCLUSION			
<p>Change 1: Attachment 1 – Section 1.d. - Remove EOF Main Number – 1-315-593-5700. This phone is no longer used due to the fact that the Emergency Telephone Directory directs callers to call specific numbers. The people and their positions can be contacted directly without going through a main number anymore. There are no applicable Emergency Planning Element/Functions affected by this change. The change does not add, delete or modify a process, meaning or intent of a description, or change facilities or equipment. No further evaluation is required.</p> <p>Change 2: Attachment 2 – Page 1 – Update INPO Emergency Response number from 800-321-0614 to (404)290-3980 and (404)290-3977 due to the INPO emergency response phone number being changed. There are no applicable Emergency Planning Element/Functions affected by this change. The change does not add, delete or modify a process, meaning or intent of a description, or change facilities or equipment. No further evaluation is required.</p>			

ATTACHMENT 9.1
SHEET 4 OF 4

10CFR50.54(q) SCREENING

Procedure/Document Number: SAP-3

Revision: 86

Equipment/Facility/Other: JAF

Title: Emergency Communications Testing

Part VI. Signatures:

Preparer Name (Print) Mellonie Christman	Preparer Signature <i>MJ Christman</i>	Date: 3-21-2016
(Optional) Reviewer Name (Print) N/A	Reviewer Signature	Date:
Reviewer Name (Print) <i>David K. Townsend</i> Nuclear EP Project Manager	Reviewer Signature <i>[Signature]</i>	Date: 3-22-16
Approver Name (Print) James D. Jones EP manager or designee	Approver Signature <i>[Signature]</i>	Date: 3-24-2016

Procedure/Document Number: SAP-20

Revision: 38

Equipment/Facility/Other: James A. FitzPatrick Nuclear Power Plant

Title: EMERGENCY PLAN TRAINING

Part I. Description of Activity Being Reviewed (event or action, or series of actions that may result in a change to the emergency plan or affect the implementation of the emergency plan):

Attachment 1 – Operations Coordinator – changed TSC WKTH(TSC Walkthrough) to "Once only" instead of "12 months" for requal. Reason: Requal is "Once only" should have stated that in the last revision.

Procedure/Document Number: SAP-20	Revision: 38
Equipment/Facility/Other: James A. FitzPatrick Nuclear Power Plant	
Title: EMERGENCY PLAN TRAINING	

Part II. Activity Previously Reviewed?

Is this activity fully bounded by an NRC approved 10 CFR 50.90 submittal or Alert and Notification System Design Report?

If YES, identify bounding source document number/approval reference and ensure the basis for concluding the source document fully bounds the proposed change is documented below:

Justification:

☐ Bounding document attached (optional)

☐ YES
50.54(q)(3)
Evaluation is
NOT required.
Enter
justification
below and
complete Part
VI.

☒ NO
Continue to next part

Part III. Applicability of Other Regulatory Change Control Processes

Check if any other regulatory change processes control the proposed activity. (Refer to EN-LI-100)

NOTE: For example, when a design change is the proposed activity, consequential actions may include changes to other documents which have a different change control process and are NOT to be included in this 50.54(q)(3) Screening.

APPLICABILITY CONCLUSION

- ☒ If there are no controlling change processes, continue the 50.54(q)(3) Screening.
- ☐ One or more controlling change processes are selected, however, some portion of the activity involves the emergency plan or affects the implementation of the emergency plan; continue the 50.54(q)(3) Screening for that portion of the activity. Identify the applicable controlling change processes below.
- ☐ One or more controlling change processes are selected and fully bounds all aspects of the activity. 50.54(q)(3) Evaluation is NOT required. Identify controlling change processes below and complete Part VI.

CONTROLLING CHANGE PROCESSES:

10CFR50.54(q)

Part IV. Editorial Change

Is this activity an editorial or typographical change such as formatting, paragraph numbering, spelling, or punctuation that does not change intent?

Justification:

There are no editorial changes.

☐ YES
50.54(q)(3)
Evaluation is
NOT required.
Enter
justification
and complete
Part VI.

☒ NO
Continue to next part

Procedure/Document Number: SAP-20	Revision: 38
Equipment/Facility/Other: James A. FitzPatrick Nuclear Power Plant	
Title: EMERGENCY PLAN TRAINING	

Part V. Emergency Planning Element/Function Screen (Associated 10 CFR 50.47(b) planning standard function identified in brackets) Does this activity affect any of the following, including program elements from NUREG-0654/FEMA REP-1 Section II?	
1. Responsibility for emergency response is assigned. [1]	<input type="checkbox"/>
2. The response organization has the staff to respond and to augment staff on a continuing basis (24/7 staffing) in accordance with the emergency plan. [1]	<input type="checkbox"/>
3. The process ensures that on shift emergency response responsibilities are staffed and assigned. [2]	<input type="checkbox"/>
4. The process for timely augmentation of onshift staff is established and maintained. [2]	<input type="checkbox"/>
5. Arrangements for requesting and using off site assistance have been made. [3]	<input type="checkbox"/>
6. State and local staff can be accommodated at the EOF in accordance with the emergency plan. [3]	<input type="checkbox"/>
7. A standard scheme of emergency classification and action levels is in use. [4]	<input type="checkbox"/>
8. Procedures for notification of State and local governmental agencies are capable of alerting them of the declared emergency within 15 minutes after declaration of an emergency and providing follow-up notifications. [5]	<input type="checkbox"/>
9. Administrative and physical means have been established for alerting and providing prompt instructions to the public within the plume exposure pathway. [5]	<input type="checkbox"/>
10. The public ANS meets the design requirements of FEMA-REP-10, Guide for Evaluation of Alert and Notification Systems for Nuclear Power Plants, or complies with the licensee's FEMA-approved ANS design report and supporting FEMA approval letter. [5]	<input type="checkbox"/>
11. Systems are established for prompt communication among principal emergency response organizations. [6]	<input type="checkbox"/>
12. Systems are established for prompt communication to emergency response personnel. [6]	<input type="checkbox"/>
13. Emergency preparedness information is made available to the public on a periodic basis within the plume exposure pathway emergency planning zone (EPZ). [7]	<input type="checkbox"/>
14. Coordinated dissemination of public information during emergencies is established. [7]	<input type="checkbox"/>
15. Adequate facilities are maintained to support emergency response. [8]	<input type="checkbox"/>
16. Adequate equipment is maintained to support emergency response. [8]	<input type="checkbox"/>
17. Methods, systems, and equipment for assessment of radioactive releases are in use. [9]	<input type="checkbox"/>
18. A range of public PARs is available for implementation during emergencies. [10]	<input type="checkbox"/>
19. Evacuation time estimates for the population located in the plume exposure pathway EPZ are available to support the formulation of PARs and have been provided to State and local governmental authorities. [10]	<input type="checkbox"/>
20. A range of protective actions is available for plant emergency workers during emergencies, including those for hostile action events. [10]	<input type="checkbox"/>
21. The resources for controlling radiological exposures for emergency workers are established. [11]	<input type="checkbox"/>
22. Arrangements are made for medical services for contaminated, injured individuals. [12]	<input type="checkbox"/>
23. Plans for recovery and reentry are developed. [13]	<input type="checkbox"/>
24. A drill and exercise program (including radiological, medical, health physics and other program areas) is established. [14]	<input type="checkbox"/>
25. Drills, exercises, and training evolutions that provide performance opportunities to develop, maintain, and demonstrate key skills are assessed via a formal critique process in order to identify	<input type="checkbox"/>

Procedure/Document Number: SAP-20	Revision: 38
Equipment/Facility/Other: James A. FitzPatrick Nuclear Power Plant	
Title: EMERGENCY PLAN TRAINING	

weaknesses. [14]	
26. Identified weaknesses are corrected. [14]	<input type="checkbox"/>
27. Training is provided to emergency responders. [15]	<input type="checkbox"/>
28. Responsibility for emergency plan development and review is established. [16]	<input type="checkbox"/>
29. Planners responsible for emergency plan development and maintenance are properly trained. [16]	<input type="checkbox"/>

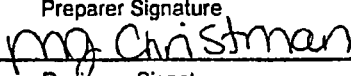
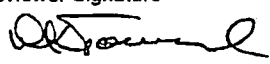
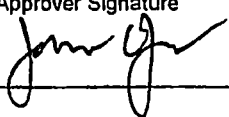
APPLICABILITY CONCLUSION

- ☒ If no Part V criteria are checked, a 50.54(q)(3) Evaluation is NOT required; document the basis for conclusion below and complete Part VI.
- ☐ If any Part V criteria are checked, complete Part VI and perform a 50.54(q)(3) Evaluation.

BASIS FOR CONCLUSION

Attachment 1 – Operations Coordinator – changed TSC WKTH(TSC Walkthrough) to "Once only" instead of "12 months" for requal. The requal is "Once only" should have stated that in the last revision. Update in requalification time period to alleviate confusion regarding qualifications. The TSC walkthrough is initially given to familiarize the individual with the facility. The individual is required to have an annual drill which will refresh their knowledge of the facility at that time. Having the annual drill requirement is why the "once only" was determined to be useful. TSC WKTH had been previously evaluated under 10CFR50.54(q) for SAP-20, revision 37. There are no applicable Emergency Planning Element/Functions affected by this change. The change does not add, delete or modify a process, meaning or intent of a description, or change facilities or equipment. No further evaluation is required.

Part VI. Signatures:

Preparer Name (Print) Mellonie Christman	Preparer Signature 	Date: 03-22-2016
(Optional) Reviewer Name (Print)	Reviewer Signature N/A	Date:
Reviewer Name (Print) David E. Townsend Nuclear EP Project Manager	Reviewer Signature 	Date: 3-22-16
Approver Name (Print) James D. Jones EP manager or designee	Approver Signature 	Date: 3-24-2016

**ENTERGY NUCLEAR NORTHEAST
JAMES A. FITZPATRICK NUCLEAR POWER PLANT
DOCUMENT TRANSMITTAL AND RECEIPT ACKNOWLEDGEMENT FORM**

TO: **EP Admin**
DEPT.: **Emergency Planning**
LOCATION: **USNRC Document Control Center, Washington**
DC/RockvilleMD

**SPECIAL NOTES: JAFP Memo & EN-LI-106 form required.
Include 10CFR50.54(q) Screen and ~~Evaluation~~ (EN-EP-305 Attach
9.1 & 9.2)**

CONTROL MANUAL NUMBER **34**

FROM: **PATTI PONZI**
DEPT.: **ADMINISTRATIVE SERVICES**
LOCATION: **JAF**
DATE: **March 23, 2016**

APPLICABLE MANUAL: EPLAN PROCEDURES

DOCUMENT NUMBER	DOCUMENT TITLE	REV	EFFECTIVE DATE
VOLUME LIST	VOLUME 2 UPDATE LIST	N/A	3/28/2016
EAP-15	EMERGENCY RADIATION EXPOSURE CRITERIA AND CONTROL	14	3/28/2016

INSTRUCTIONS:

1. Insert the attached revised documents, and withdraw any noted WITHDRAWN documents from your controlled copy.
2. **DISCARD ALL SUPERCEDED DOCUMENTS, as applicable. DISCARD THIS TRANSMITTAL.**

NOTE

Failure to incorporate these documents into your controlled manual
will result in cancellation of the subject controlled documents.

EMERGENCY PLAN IMPLEMENTING PROCEDURES/VOLUME 2 UPDATE LIST

Date of Issue: 3/28/2016

Procedure Number	Procedure Title	Revision Number	Date of Last Review	Use of Procedure
N/A	TABLE OF CONTENTS	REV. 22	07/15	Informational
IAP-1	EMERGENCY PLAN IMPLEMENTATION CHECKLIST	REV. 46	09/15	Informational
IAP-2	CLASSIFICATION OF EMERGENCY CONDITIONS	REV. 34 FLOWCHART REV. 10	07/15	Informational
EAP-1.1	OFFSITE NOTIFICATIONS	REV. 72	10/15	Informational
EAP-2	PERSONNEL INJURY	REV. 33	05/15	Informational
EAP-3	FIRE	REV. 26	01/13	Informational
EAP-4	WITHDRAWN (12/14)			
EAP-4A	ONSHIFT DOSE ASSESSMENT	REV. 0	12/14	Informational
EAP-4B	DETAILED DOSE ASSESSMENT	REV. 1	12/14	Informational
EAP-4C	PROTECTIVE ACTION RECOMMENDATIONS	REV. 1	12/14	Informational
EAP-4.1	RELEASE RATE DETERMINATION	REV. 24	12/14	Informational
EAP-5.1	DELETED (02/94)			
EAP-5.2	DELETED (04/91)			
EAP-5.3	ONSITE/OFFSITE DOWNWIND SURVEYS AND ENVIRONMENTAL MONITORING	REV. 21	06/12	Informational
EAP-6	IN-PLANT EMERGENCY SURVEY/ENTRY	REV. 19	02/14	Informational
EAP-7.1	DELETED (02/94)			
EAP-7.2	DELETED (02/94)			
EAP-8	PERSONNEL ACCOUNTABILITY	REV. 74	09/13	Informational
EAP-9	SEARCH AND RESCUE OPERATIONS	REV. 13	08/13	Informational
EAP-10	PROTECTED AREA EVACUATION	REV. 22	10/13	Informational
EAP-11	SITE EVACUATION	REV. 23	10/13	Informational
EAP-12	DOSE ESTIMATED FROM AN ACCIDENTAL RELEASE OF RADIOACTIVE MATERIAL TO LAKE ONTARIO	REV. 13	02/14	Informational
EAP-13	DAMAGE CONTROL	REV. 22	07/11	Informational

EMERGENCY PLAN IMPLEMENTING PROCEDURES/VOLUME 2 UPDATE LIST

Date of Issue: 3/28/2016

Procedure Number	Procedure Title	Revision Number	Date of Last Review	Use of Procedure
EAP-14.1	WITHDRAWN (02/23/05)			
EAP-14.2	WITHDRAWN (02/23/15)			
EAP-14.5	WITHDRAWN (02/23/15)			
EAP-14.6	HABITABILITY OF THE EMERGENCY FACILITIES	REV. 18	04/14	Informational
EAP-14.7	REMOTE ASSEMBLY AREA ACTIVATION	REV. 3	12/14	Reference
EAP-14.8	ALTERNATE TSC/SC ACTIVATION AND OPERATION	REV. 1	12/14	Reference
EAP-15	EMERGENCY RADIATION EXPOSURE CRITERIA AND CONTROL	REV. 14	07/15	Informational
EAP-16	PUBLIC INFORMATION PROCEDURE	REV. 9	03/14	Informational
EAP-16.2	JOINT INFORMATION CENTER OPERATION	REV. 16	12/15	Informational
EAP-17	EMERGENCY ORGANIZATION STAFFING	REV. 124	09/15	Informational
EAP-18	DELETED (12/93)			
EAP-19	EMERGENCY USE OF POTASSIUM IODINE (KI)	REV. 29	10/11	Informational
EAP-20	POST ACCIDENT SAMPLE, OFFSITE SHIPMENT AND ANALYSIS	REV. 11	04/14	Informational
EAP-21	DELETED (12/85)			
EAP-22	DELETED (02/98)			
EAP-23	EMERGENCY ACCESS CONTROL	REV. 15	04/14	Informational
EAP-24	EOF VEHICLE AND PERSONNEL DECONTAMINATION	REV. 11	12/14	Informational
EAP-25	DELETED (02/94)			

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

EMERGENCY RADIATION EXPOSURE
CRITERIA AND CONTROL
EAP-15
REVISION 14

EFFECTIVE DATE: March 28, 2016

*****	*****
* INFORMATIONAL USE *	* QUALITY RELATED *
*****	*****

* ADMINISTRATIVE *	

	CONTROLLED

PERIODIC REVIEW DUE DATE: MARCH 2021

REVISION SUMMARY SHEET

REV. NO.

14 FULL REVISION

1. REPLACE ANY REFERENCE TO "ATTACHMENT 4" WITH "EP-4-ALL".
REASON: ATTACHMENT 4 HAS BEEN REPLACED BY FLEET FORM - EP-4-ALL
2. REMOVE ATTACHMENT 4. REASON: ATTACHMENT 4 HAS BEEN REPLACED
BY FLEET FORM - EP-4-ALL
3. REMOVE ITEM 4, EMERGENCY EXPOSURE AUTHORIZATION FORM, FROM
SECTION 5. REASON: ATTACHMENT 4 HAS BEEN REPLACED BY FLEET FORM -
EP-4-ALL

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2. <u>HEALTH EFFECTS</u>	11
3. <u>APPROXIMATE CANCER RISK</u>	12

1.0 PURPOSE

This procedure provides guidance and criteria for limiting radiation exposure to emergency personnel in emergency situations. It also provides guidance for those situations when it may be necessary for an individual or individuals to exceed established annual radiation exposure limits to save a life or to minimize the possible consequences of the emergency situation.

2.0 REFERENCES

2.1 Performance References

None

2.2 Developmental References

- 2.2.1 10 CFR 20, STANDARDS FOR PROTECTION AGAINST RADIATION
- 2.2.2 EPA-400-R-92-001, MAY 1992, MANUAL OF PROTECTIVE ACTION GUIDES AND PROTECTIVE ACTIONS FOR NUCLEAR INCIDENTS
- 2.2.3 ICRP Publication 28, THE PRINCIPLES AND GENERAL PROCEDURES FOR HANDLING EMERGENCY AND ACCIDENTAL EXPOSURES OF WORKERS
- 2.2.4 NCRP Report No. 39, BASIC RADIATION PROTECTION CRITERIA
- 2.2.5 Regulatory Guide 8.13, INSTRUCTIONS CONCERNING PRENATAL RADIATION EXPOSURE, NOVEMBER 1975, Revision 1.
- 2.2.6 RADIATION PROTECTION PROCEDURES AND PROGRAMS
- 2.2.7 IAP-2, CLASSIFICATION OF EMERGENCY CONDITIONS
- 2.2.8 EAP-2, PERSONNEL INJURY
- 2.2.9 EAP-3, FIRE
- 2.2.10 EAP-4B, DETAILED DOSE ASSESSMENT
- 2.2.11 EAP-6, IN-PLANT EMERGENCY SURVEY/ENTRY
- 2.2.12 EAP-5.3, ONSITE/OFFSITE DOWNWIND SURVEYS AND ENVIRONMENTAL MONITORING
- 2.2.13 EAP-9, SEARCH AND RESCUE OPERATIONS
- 2.2.14 EAP-13, DAMAGE CONTROL

3.0 INITIATING EVENTS

- 3.1 An emergency has been declared in accordance with IAP-2 Classification of Emergency Conditions,

AND

- 3.2 Radiological conditions exist OR are suspected that warrant emergency exposure control.

4.0 PROCEDURE

4.1 General

- 4.1.1 The provisions of this procedure are applicable only in actual emergency situations, and are applicable to personnel performing emergency tasks.
- 4.1.2 The radiation exposure to emergency personnel shall be maintained AS Low As Reasonably Achievable (ALARA) and should be maintained less than the radiation exposure limits in 10 CFR 20 as defined in reference 2.2.6.
- 4.1.3 To maintain personnel exposures within established guides and limits, methods used during normal operations to authorize exposure upgrades above annual administrative limits shall remain in force during an emergency condition to the degree consistent with timely implementation of emergency measures.
- 4.1.4 Administrative methods used during normal operations to control Radiation Work Permit usage shall remain in effect until a Protected Area Evacuation or Site Evacuation is initiated. Controls for the assessment/evaluation of radiological conditions will be per EAP-6, In-Plant Emergency Survey/Entry.
- 4.1.5 The Emergency Director/Emergency Plant Manager may waive or modify the established exposure control criteria and methods in accordance with the provisions of this procedure. This may occur if necessary operations require personnel exposures in excess of normal guides or limits or if normal access control and radiological control work practices may result in unacceptable delays. The Radiological Coordinator should be consulted in these decisions whenever feasible.
- 4.1.6 The Emergency Director/Emergency Plant Manager are the only individuals who can authorize emergency exposures.

4.2 Responsibilities

4.2.1 Limits for planned (**NOTE 1**) emergency exposure for emergency workers are (from Reference 2.2.2):

Dose Limit (TEDE) (rem) [NOTE 2]	Activity [NOTE 3,4]	Condition
5	All	
10	Protecting valuable property	Lower dose not practicable
25	Life saving or protection of large populations	Lower dose not practicable
>25	Life saving or protection of large populations	Only on a voluntary basis to persons fully aware of the risks involved (see Attachments 1 thru 4 of this procedure)

NOTE 1: Planned actions are actions which are performed intentionally. The degree of planning may be a simple decision to perform the action ranging to detailed planning, as time permits. The term planned actions is not meant to infer administrative actions such as ALARA reviews, radiation work permits or other similar work planning actions.

NOTE 2: Workers performing services during emergencies should limit dose to the lens of the eye to three times the listed value and doses to any other organ (including skin and body extremities) to ten times the listed value. These limits apply to all doses from an incident.

NOTE 3: Protective or corrective actions are actions necessary to mitigate the consequences of the emergency, such as to eliminate the further release of effluent or to control fires.

NOTE 4: Life saving actions are actions related to the search for and rescue of injured persons, or corrective or protective actions to mitigate conditions which could result in imminent injury or substantial overexposure to numbers of individuals.

4.3 Emergency Exposure Briefings

Emergency exposure briefings shall be conducted by the team leader, Radiological Coordinator, Radiological Assessment Coordinator (RAC) or designee under the guidance of the Emergency Director/Emergency Plant Manager as the urgency of the emergency permits. Using Attachment 1, the briefings shall cover the following topics with an opportunity for questions and answers included:

- 4.3.1 To the degree possible, the probability of success of the proposed action requiring emergency exposure shall be weighed against the projected element of risk.
- 4.3.2 Ensure the personnel selected to receive emergency exposures:
 - Are **NOT** a declared pregnant worker
 - Have **NOT** received a previous emergency exposure
 - Have **NOT** received a planned special exposure (see definition)
 - A. If personnel could receive greater than 25 rem TEDE, then those people shall be briefed in accordance with step 4.3.4.
- 4.3.3 Personnel receiving emergency exposures should be more than 45 years of age, if possible.
- 4.3.4 **IF** personnel have volunteered to receive >25 rem to perform lifesaving tasks, **THEN** ensure the following are performed:
 - A. Volunteers are briefed on potential biological consequences as follows:
 - 1. The principle known effect of exposure to ionizing radiation is an increase in the probability of cancer development. (See Attachment 3)
 - 2. See Attachment 2 for additional health effects.
- 4.3.5 Emergency exposures shall be limited to one occurrence in a lifetime.
- 4.3.6 Entries into areas where dose rates are unknown shall be made using appropriate dose rate monitoring equipment.

- 4.3.7 Dosimetry equipment capable of measuring the anticipated maximum exposure and type of radiation(s) shall be worn by personnel receiving emergency exposure.
- 4.3.8 Reasonable measures shall be taken to minimize skin contamination and the intake of radioactive materials.
- 4.3.9 Radiation exposure and anticipated radiological conditions in the area of the task shall be presented as they relate to ALARA.
- 4.3.10 The task to be performed shall be described in accordance with the Emergency Procedure governing the task.

4.4 Emergency Exposure Documentation

- 4.4.1 Steps 4.4.2 and 4.5.2 shall be performed to document emergency radiation exposure. Although it is preferable to complete the form before the exposure is received, the Emergency Director/Emergency Plant Manager may, upon discretion, verbally authorize the emergency exposure with documentation to be completed at a later time.
- 4.4.2 EP-4-ALL, Exposure Authorization Form, shall be completed with the required signatures.

4.5 Post-Exposure Evaluations

- 4.5.1 Individuals receiving emergency exposure shall be restricted from further occupational radiation exposure pending the outcome of exposure evaluations and medical surveillance.
- 4.5.2 An exposure evaluation shall be performed to determine a dose equivalent of the emergency exposure. This evaluation shall be based on measured area dose rates, airborne radioactivity measurements and dosimetry results.

5.0 ATTACHMENTS

1. EMERGENCY EXPOSURE BRIEFING CHECKLIST
2. HEALTH EFFECTS
3. APPROXIMATE CANCER RISK

EMERGENCY EXPOSURE BRIEFING CHECKLIST

Page 1 of 1

The briefer shall review and initial the following topics with individuals who will be authorized to receive emergency exposures:

1. _____ Review the mission goal(s)
2. _____ Ensure the following:
 - a. Individual is NOT a declared pregnant worker
 - b. Individual should be over age 45, if possible.
 - c. Emergency exposures are limited to once per lifetime.
3. _____ Review the following mission specific radiological information:
 - a. Expected dose rates, if known.
 - b. Expected contamination rates, if known
 - c. Expected airborne contamination levels, if known
 - d. Individual's dose limits.
 - e. Stay time, if known.
 - f. ALARA techniques of Time, Distance and Shielding.
 - g. Contamination control measures, if appropriate for the task.
4. _____ Entries into unknown areas shall be made using the appropriate dose rate instruments.
5. _____ Ensure that dosimetry capable of measuring the highest anticipated exposure is specified.
6. _____ Review possible biological effects of exposure using Attachments 2 and 3 of this procedure.
7. _____ Ensure there are no questions about any of the information presented.

Briefer _____ Time _____ Date _____
Name (Print / Sign)

Individuals briefed:

ATTACHMENT 2

Page 1 of 1

HEALTH EFFECTS

HEALTH EFFECTS Associated with Whole-body Absorbed Doses Received within a Few Hours^a (from Reference 2.2.2)

Whole Body Absorbed Dose (rad)	Early Fatalities ^b (percent)	Whole Body Absorbed Dose (rad)	Prodromal Effects ^c (percent affected)
140	5	50	2
200	15	100	15
300	50	150	50
400	85	200	85
460	95	250	98

^aRisks will be lower for protracted exposure periods.

^bSupportive medical treatment may increase the dose at which these frequencies occur by approximately 50 percent.

^cForewarning symptoms of more serious health effects associated with large doses of radiation.

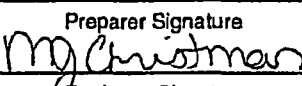
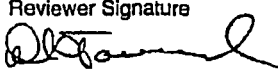
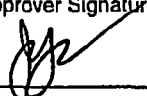
APPROXIMATE CANCER RISK

APPROXIMATE CANCER RISK to Average Individuals from 25 Rem Effective Dose Equivalent Delivered Promptly (from Reference 2.2.2)

Age at Exposure (years)	Appropriate Risk of Premature Death (deaths per 1,000 persons exposed)	Average years of life lost if premature death occurs (years)
20 to 30	9.1	24
30 to 40	7.2	19
40 to 50	5.3	15
50 to 60	3.5	11

Procedure/Document Number: EAP-15		Revision: 14	
Equipment/Facility/Other: JA FitzPatrick			
Title: EMERGENCY RADIATION EXPOSURE CRITERIA AND CONTROL			
Part I. Description of Activity Being Reviewed			
<div style="margin-left: 40px;"><p>1. Replace any reference to "Attachment 4" with "EP-4-ALL". Reason: Attachment 4 has been replaced by Fleet Form - EP-4-ALL</p><p>2. Remove Attachment 4. Reason: Attachment 4 has been replaced by Fleet Form - EP-4-ALL</p><p>3. Remove Item 4, Emergency Exposure Authorization Form, from Section 5. Reason: Attachment 4 has been replaced by Fleet Form - EP-4-ALL</p></div>			
Part II. Activity Previously Reviewed? Is this activity fully bounded by an NRC approved 10 CFR 50.90 submittal or Alert and Notification System Design Report?		<input type="checkbox"/> YES 50.54(q)(3) Evaluation is NOT required. Enter justification below and complete Part VI.	<input checked="" type="checkbox"/> NO Continue to next part
If YES, identify bounding source document number/approval reference and ensure the basis for concluding the source document fully bounds the proposed change is documented below: Justification: <input type="checkbox"/> Bounding document attached (optional)			
Part III. Applicability of Other Regulatory Change Control Processes Check if any other regulatory change processes control the proposed activity. (Refer to EN-LI-100) NOTE: For example, when a design change is the proposed activity, consequential actions may include changes to other documents which have a different change control process and are NOT to be included in this 50.54(q)(3) Screening.			
APPLICABILITY CONCLUSION <input checked="" type="checkbox"/> If there are no controlling change processes, continue the 50.54(q)(3) Screening. <input type="checkbox"/> One or more controlling change processes are selected, however, some portion of the activity involves the emergency plan or affects the implementation of the emergency plan; continue the 50.54(q)(3) Screening for that portion of the activity. Identify the applicable controlling change processes below. <input type="checkbox"/> One or more controlling change processes are selected and fully bounds all aspects of the activity. 50.54(q)(3) Evaluation is NOT required. Identify controlling change processes below and complete Part VI.			
CONTROLLING CHANGE PROCESSES 10CFR50.54(q)			
Part IV. Editorial Change Is this activity an editorial or typographical change such as formatting, paragraph numbering, spelling, or punctuation that does not change intent? <i>For the purpose of this assessment, editorial changes are considered those that involve only formatting, paragraph numbering, spelling, or punctuation that do not change intent.</i>		<input type="checkbox"/> YES 50.54(q)(3) Evaluation is NOT required. Enter justification and complete Part VI.	<input checked="" type="checkbox"/> NO Continue to next part

Procedure/Document Number: EAP-15		Revision: 14	
Equipment/Facility/Other: JA FitzPatrick			
Title: EMERGENCY RADIATION EXPOSURE CRITERIA AND CONTROL			
Part V. Emergency Planning Element/Function Screen (Associated 10 CFR 50.47(b) planning standard function identified in brackets) Does this activity affect any of the following, including program elements from NUREG-0654/FEMA REP-1 Section II?			
1. Responsibility for emergency response is assigned. [1]			<input type="checkbox"/>
2. The response organization has the staff to respond and to augment staff on a continuing basis (24/7 staffing) in accordance with the emergency plan. [1]			<input type="checkbox"/>
3. The process ensures that on shift emergency response responsibilities are staffed and assigned. [2]			<input type="checkbox"/>
4. The process for timely augmentation of onshift staff is established and maintained. [2]			<input type="checkbox"/>
5. Arrangements for requesting and using off site assistance have been made. [3]			<input type="checkbox"/>
6. State and local staff can be accommodated at the EOF in accordance with the emergency plan. [3]			<input type="checkbox"/>
7. A standard scheme of emergency classification and action levels is in use. [4]			<input type="checkbox"/>
8. Procedures for notification of State and local governmental agencies are capable of alerting them of the declared emergency within 15 minutes after declaration of an emergency and providing follow-up notifications. [5]			<input type="checkbox"/>
9. Administrative and physical means have been established for alerting and providing prompt instructions to the public within the plume exposure pathway. [5]			<input type="checkbox"/>
10. The public ANS meets the design requirements of FEMA-REP-10, Guide for Evaluation of Alert and Notification Systems for Nuclear Power Plants, or complies with the licensee's FEMA-approved ANS design report and supporting FEMA approval letter. [5]			<input type="checkbox"/>
11. Systems are established for prompt communication among principal emergency response organizations. [6]			<input type="checkbox"/>
12. Systems are established for prompt communication to emergency response personnel. [6]			<input type="checkbox"/>
13. Emergency preparedness information is made available to the public on a periodic basis within the plume exposure pathway emergency planning zone (EPZ). [7]			<input type="checkbox"/>
14. Coordinated dissemination of public information during emergencies is established. [7]			<input type="checkbox"/>
15. Adequate facilities are maintained to support emergency response. [8]			<input type="checkbox"/>
16. Adequate equipment is maintained to support emergency response. [8]			<input type="checkbox"/>
17. Methods, systems, and equipment for assessment of radioactive releases are in use. [9]			<input type="checkbox"/>
18. A range of public PARs is available for implementation during emergencies. [10]			<input type="checkbox"/>
19. Evacuation time estimates for the population located in the plume exposure pathway EPZ are available to support the formulation of PARs and have been provided to State and local governmental authorities. [10]			<input type="checkbox"/>
20. A range of protective actions is available for plant emergency workers during emergencies, including those for hostile action events.[10]			<input type="checkbox"/>
21. The resources for controlling radiological exposures for emergency workers are established. [11]			<input checked="" type="checkbox"/>
22. Arrangements are made for medical services for contaminated, injured individuals. [12]			<input type="checkbox"/>
23. Plans for recovery and reentry are developed. [13]			<input type="checkbox"/>
24. A drill and exercise program (including radiological, medical, health physics and other program areas) is established. [14]			<input type="checkbox"/>
25. Drills, exercises, and training evolutions that provide performance opportunities to develop,			<input type="checkbox"/>

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maintain, and demonstrate key skills are assessed via a formal critique process in order to identify weaknesses. [14]			
26. Identified weaknesses are corrected. [14]			<input type="checkbox"/>
27. Training is provided to emergency responders. [15]			<input type="checkbox"/>
28. Responsibility for emergency plan development and review is established. [16]			<input type="checkbox"/>
29. Planners responsible for emergency plan development and maintenance are properly trained. [16]			<input type="checkbox"/>
APPLICABILITY CONCLUSION			
<input checked="" type="checkbox"/> If no Part V criteria are checked, a 50.54(q)(3) Evaluation is <u>NOT</u> required; document the basis for conclusion below and complete Part VI. <input type="checkbox"/> If any Part V criteria are checked, complete Part VI and perform a 50.54(q)(3) Evaluation.			
BASIS FOR CONCLUSION			
This change is being made to update EAP-15 to reflect the current dose assessment procedure. We are replacing any reference to "Attachment 4" with "EP-4-ALL". The Attachment that was previously listed was replaced by fleet form "EP-4-ALL". This change revises a reference and does not affect the function. This is a one for one replacement. No further evaluation will be required.			
Part VI. Signatures:			
Preparer Name (Print) Mellonie Christman		Preparer Signature 	Date: 3/21/2016
(Optional) Reviewer Name (Print) N/A		Reviewer Signature	Date:
Reviewer Name (Print) David K. Townsend Nuclear EP Project Manager		Reviewer Signature 	Date: 3/22/16
Approver Name (Print) JD Jones EP manager or designee		Approver Signature 	Date: 3-22-2016