

NRR-PMDAPEm Resource

From: Sterling, Lance <lsterling@STPEGS.COM>
Sent: Wednesday, September 14, 2016 1:19 PM
To: Regner, Lisa
Subject: [External_Sender] Public Meeting Presentation for ERO Augmentation time Emergency Plan Change
Attachments: Public Meeting Presentation for E-Plan Change.pdf

Lisa,

Please find attached the presentation for next Tuesday's public meeting.

Thank you,
Lance

Hearing Identifier: NRR_PMDA
Email Number: 3065

Mail Envelope Properties (03fa18c70d8647a4aa7d130249bfc0d)

Subject: [External_Sender] Public Meeting Presentation for ERO Augmentation time
Emergency Plan Change
Sent Date: 9/14/2016 1:19:29 PM
Received Date: 9/14/2016 1:19:37 PM
From: Sterling, Lance

Created By: lsterling@STPEGS.COM

Recipients:
"Regner, Lisa" <Lisa.Regner@nrc.gov>
Tracking Status: None

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Public Meeting Presentation for E-Plan Change.pdf		292844

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Priority: Standard
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Pre-Application Public Meeting for
Proposed License Amendment Request
to Revise the
STPEGS Emergency Plan
Staff Augmentation Times

September 20, 2016



Introductions

- Mike Murray- Regulatory Affairs Manager
- Joe Enoch- Supervisor, Emergency Planning
- Stephanie Rodgers- Staff, Emergency Planning
- Kathleen Van Daalen- Staff, Licensing



Desired Outcomes

- Communicate the content of the planned submittal
- Provide a common understanding of the planned submittal



Proposed Changes

- Increases the STPEGS (STP) Emergency Plan staff augmentation times from 60 and 75 minutes to 90 minutes.
 - Increases the required augmentation time for Emergency Response Organization members to respond to their facility
 - Expands eligible pool of personnel to fill critical Emergency Response Organization positions, adding valuable technical expertise and defense in depth
 - Increases Emergency Response Facilities activation times
- The proposed changes considered the guidance of RIS 2016-10



Regulatory Compliance

Applicable Regulatory Documents

- 10 CFR 50.47(b)(2)
- 10 CFR 50.54(q)
- 10 CFR 50.90
- NUREG-0654
- NUREG-0737
- RG 1.219
- RG 1.101
- RIS 2016-10

Referenced in LAR Submittal

- Planning Standard (ERO)
- Prior Approval (Example 1.219)
- License Request (required)
- Guidance (Basis for Plan)
- STA (Engineering On-shift)
- Guidance for Changes (50.54q)
- Endorsement (NUREG-0654)
- Expectation (Staff)



Comparison (RIS-STP LAR)

RIS 2016-10

- Current License Basis
- Fukushima (FLEX)
- NUREG-0654 Staffing
 - Major Functions
 - Technology
 - Table B-1, 60-90 Minute
- Offsite Agency Impact

STP Submittal

- May 20, 1993
- No credit taken
- Staffing > NUREG-0654
 - Identified
 - Described
 - Defined
- State/County Concurrence



Comparison (RIS-STP LAR)

RIS 2016-10

Major Functional Tasks

- Notification and Communication
- Emergency Director
- Off-site Surveys / On-site (out-of-plant) / In-Plant Surveys
- Chemistry/Radio-chemistry
- Technical Support
- Repair and Corrective Actions
- Radiation Protection
- Dose Assessment

STP Submittal

Details

- 2 Dedicated on-shift (RO & NLO)
- 2 Augmented at 90-minutes
- Describes personnel and technology
- On-shift staffed
- STA role and technology
- Identified Staffing > NUREG-0654
- Staffing and technology
- On-shift staffed



Site/Program Enhancements

- Technology
 - Access/Dosimetry Controls
 - Area Radiation Monitors
 - Dose Assessment
 - Plant Computer (System status trees)
 - Auto Notifications Systems
 - Web EOC
- Training
 - Licensed Operator Requalification and Simulator Modeling
 - Accredited Programs (Operations, RP, Chemistry, Maintenance, Engineering)
- Procedures
 - Symptom Based
 - Initiating Events (EALs NEI 99-01 Rev. 6)
- Shift Complement



Staffing Changes

- Increased in 1993 to staffing of 20
- Currently staffed at 25
 - Will remain staffed at 25
- Operations Staff
 - 2-SMs (ED qualified)
 - 2-SROs
 - 4-ROs
 - 4-NLOs
 - 1-STA



Staffing Comparison

Major Functional Area NUREG-0654	NUREG-0654 On- shift/30/60 minutes	Current STP Staffing On-shift/60/75 minutes	Proposed STP Staffing On-shift/90 minutes
Operations *			
1. Shift Sup/Manager	1. 1/0/0	1. 2/0/0	1. 2/0
2. Shift Foreman/US	2. 1/0/0	2. 2/0/0	2. 2/0
3. RO	3. 2/0/0	3. 4/0/0	3. 4/0
4. Plant Operators	4. 2/0/0	4. 4/0/0	4. 4/0
5. STA	5. 1**/0/0 (not counted in On-shift Total)	5. 1**/0/0 (not counted in On-shift Total)	5. 1**/0 (not counted in On-shift Total)
6. Operations Discipline Lead	6. None defined	6. 0/0/1#	6. 0/1#
Emergency Direction and Control*** (STA, SS, or Facility Director)	1**/0/0 (not counted in On-shift Total)	2**/0/0 (not counted in On-shift Total)	2**/0 (not counted in On-shift Total)
Notification/ Communication	1/1/2	2/0/2	2/2

* Unaffected Unit in operation maintain shift foreman, 1-RO, 1-NLO

** May be provided by shift personnel assigned other functions

*** Assumed by EOF Director when all facilities are manned

Filled by personnel with plant operations experience



Staffing Comparison (Continued)

Major Functional Area NUREG-0654	NUREG-0654 On- shift/30/60 minutes	Current STP Staffing On-shift/60/75 minutes	Proposed STP Staffing On-shift/90 minutes
Radiological Assessment			
Emergency Director	0/0/1	0/0/1	0/1
Senior HP Expertise	0/1/0	1/0/0	1/0
Offsite/Onsite surveys	0/3/3	2/3/4	2**/7
Chemistry/Radio-chem	2/1/2	1/0/1	1/1
Engineering, Repair and Corrective Actions			
1. Technical Support	1.	1.	1.
STA	1/0/0	1/0/0	1/0
Core	0/1/0	0/1/0	0/1
Electrical	0/0/1	0/0/1	0/1
Mechanical	0/0/1	0/0/1	0/1
2. Repair and Corr. Actions	2.	2.	2.
Rad Waste	1**/0/2 (not counted in On-shift total)	2**/0/0 (not counted in On-shift Total)	2**/0 (not counted in On-shift Total)
Mechanical		1**/0/1	1**/1
Electrical/I&C	1**/1/1 (not counted in On-shift Total)	1**and 1/0/1	1**and1/0
I&C	0/1/0	1/0/0	1/0

** May be provided by shift personnel assigned other functions



Staffing Comparison (Continued)

Major Functional Area NUREG-0654	NUREG-0654 On- shift/30/60 minutes	Current STP Staffing On-shift/60/75 minutes	Proposed STP Staffing On-shift/90 minutes
Protective Actions (In Plant) Radiation Protection HP Technicians for: a. Access Control b. HP Coverage c. Personnel monitor d. Dosimetry	2**/2/2 (not counted in On-shift Total)	2**/4/0 (not counted in On-shift Total)	2**/4 (not counted in On-shift Total)
Firefighting	Per T/S / Local Support / 0	Per T/S / Local Support / Local Support	Per T/S / Local Support
Rescue First Aid	2**/ Local Support (not counted in On-shift Total)	2**/ Local Support / Local Support	2**/ Local Support
Security Site Access Control and Personnel Accountability	Per Security Plan	Per Security Plan	Per Security Plan
Totals	10/11/15 = 36	25/8/13 = 46	25/21 = 46

** May be provided by shift personnel assigned other functions



Precedent

- Point Beach
- Prairie Island
- RAIs Reviewed



Closing Remarks

- Desired Outcome
- Submittal Date
- STP Point of Contact