

PMTurkeyCOLPEm Resource

From: Comar, Manny
Sent: Tuesday, December 20, 2011 5:35 PM
To: Anderson, Brian; Comar, Manny; Galletta, Thomas; Goldstein, Kay; Habib, Donald; Hughes, Brian; Joshi, Ravindra; McGovern, Denise; Minarik, Anthony; Sebrosky, Joseph; RidsAcrcAcnw_MailCTR Resource; RidsNroDnrINwe1 Resource; RidsNroLAKGoldstein Resource; RidsOgcMailCenter Resource; RidsRgn2MailCenter Resource; orthen, Richard; Raymond Burski; Steve Franzone; STEVEN.HAMRICK; TurkeyCOL Resource; William Maher
Cc: Rodriguez, Veronica; Pieringer, Paul
Subject: REQUEST FOR ADDITIONAL INFORMATION LTR. No: 45 RELATED TO SRP 18.0 HUMAN FACTORS ENGINEERING FOR THE TURKEY POINT UNITS 6 AND 7 COMBINED LICENSE APPLICATION
Attachments: PTN-ltr-045-rai6176.pdf

Attached is the RAI letter No. 45 related to SRP Section:.18.0 Human Factors Engineering for the Turkey Point Units 6 and 7 Combined License Application.

The Accession number is ML11354A417

If you have any further questions, please feel free to contact me. Thanks

Manny Comar
Senior Project Manager
NRO/DNRL/NWE1
Nuclear Regulatory Commission
301-415-3863
<mailto:manny.comar@nrc.gov>

Hearing Identifier: TurkeyPoint_COL_Public
Email Number: 537

Mail Envelope Properties (377CB97DD54F0F4FAAC7E9FD88BCA6D0806FB418A6)

Subject: REQUEST FOR ADDITIONAL INFORMATION LTR. No: 45 RELATED TO SRP
18.0 HUMAN FACTORS ENGINEERING FOR THE TURKEY POINT UNITS 6 AND 7 COMBINED
LICENSE APPLICATION

Sent Date: 12/20/2011 5:34:48 PM

Received Date: 12/20/2011 5:34:52 PM

From: Comar, Manny

Created By: Manny.Comar@nrc.gov

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Tracking Status: None
"William Maher" <William.maher@fpl.com>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	Size	Date & Time
MESSAGE	460	12/20/2011 5:34:52 PM
PTN-ltr-045-rai6176.pdf		109953

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

TurkeyPointRAIsPEm Resource

From: Comar, Manny
Sent: Monday, December 19, 2011 11:50 AM
To: TurkeyPointRAIsPEm Resource
Subject: REQUEST FOR ADDITIONAL INFORMATION LTR. No: 45 RELATED TO SRP 18.0-
HUMAN FACTORS ENGINEERING FOR THE TURKEY POINT UNITS 6 AND 7
COMBINED LICENSE APPLICATION
Attachments: PTN-RAI-LTR-045.doc

Hearing Identifier: TurkeyPoint_COL_eRAIs
Email Number: 52

Mail Envelope Properties (377CB97DD54F0F4FAAC7E9FD88BCA6D0806FB4131B)

Subject: REQUEST FOR ADDITIONAL INFORMATION LTR. No: 45 RELATED TO SRP
18.0- HUMAN FACTORS ENGINEERING FOR THE TURKEY POINT UNITS 6 AND 7 COMBINED
LICENSE APPLICATION

Sent Date: 12/19/2011 11:50:04 AM

Received Date: 12/19/2011 11:50:05 AM

From: Comar, Manny

Created By: Manny.Comar@nrc.gov

Recipients:

"TurkeyPointRAIsPEM Resource" <TurkeyPointRAIsPEM.Resource@nrc.gov>

Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	Size	Date & Time
MESSAGE	8	12/19/2011 11:50:05 AM
PTN-RAI-LTR-045.doc	57338	

Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received:

December 19, 2011

Mano K. Nazar
Senior Vice President and Chief Nuclear Officer
Florida Power & Light Company
Mail Stop NNP/JB
700 Universe Blvd
Juno Beach, FL 33408-0420

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 045 RELATED
TO SRP SECTION 18.0 HUMAN FACTORS ENGINEERING FOR THE
TURKEY POINT NUCLEAR PLANT UNITS 6 AND 7 COMBINED LICENSE
APPLICATION

Dear Mr. Nazar:

By letter dated June 30, 2009, as supplemented by letters dated August 7, 2009, September 3, 2010 and December 21, 2010, Florida Power and Light submitted its application to the U. S. Nuclear Regulatory Commission (NRC) for a combined license (COL) for two AP1000 advanced passive pressurized water reactors pursuant to 10 CFR Part 52. The NRC staff is performing a detailed review of this application to enable the staff to reach a conclusion on the safety of the proposed application.

The NRC staff has identified that additional information is needed to continue portions of the review. The staff's request for additional information (RAI) is contained in the enclosure to this letter.

To support the review schedule, you are requested to respond within 30 days of the date of this letter. If you are unable to provide a response within 30 days, please state when you will be able to provide the response. In the event the response submitted is incomplete, please indicate in the response when the complete response will be provided. If changes are needed to the final safety analysis report, the staff requests that the RAI response include the proposed wording changes. Your response should also indicate whether any of the information provided is to be withheld as exempt from public disclosure pursuant to 10 CFR 2.390.

If you have any questions or comments concerning this matter, you may contact me at 301-415-3863 or manny.comar@nrc.gov.

Sincerely,

/RA/

Manny Comar, Lead Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-040
52-041

Enclosure:
Request for Additional Information

CC: see next page

If you have any questions or comments concerning this matter, you may contact me at 301-415-3863 or manny.comar@nrc.gov.

Sincerely,

/RA/

Manny Comar, Lead Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-040
52-041
eRAI Tracking No. 6176

Enclosure:
Request for Additional Information

Distribution:

Public	BWeisman	BHughes
RidsNroDnrlNwe1	JSebrosky	MComar
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RidsRgn2MailCenter	DHabib	VRodriguez
AMinarik	MTonacci	

NRO-002

OFFICE	COLP/BC	NWE1/PM	NWE1/L-PM
NAME	VRodriguez*	MComar*	MComar*
DATE	11/15/11	11/15/11	12/19//11

*Approval captured electronically in the electronic RAI system.

OFFICIAL RECORD COPY

Request for Additional Information No. 6176

12/19/2011

Turkey Point Units 6 and 7
Florida P and L
Docket No. 52-040 and 52-041
SRP Section: 18 - Human Factors Engineering
Application Section: 18.2

QUESTIONS for Operating Licensing and Human Performance Branch (AP1000/EPR Projects) (COLP)

18-1

Evaluation:

The information provided in the Turkey Point COL application, revision 2, for PTN COL action item 18.2-2 does not address the changes that were made to the information item in revision 18 of the AP1000 design certification. The revised COL information item no longer includes EOF location and includes the additional areas bolded below:

“Specific information regarding **EOF and TSC communications, and EOF and TSC human factors attributes** will be provided by the Combined Operating License applicant to address the Combined License information requested in this subsection.”

The standard response received in other applications has been something similar to, “The EOF and TSC communication strategies, as well as the EOF and TSC human factors attributes, are described in the emergency plan.” Typically, EOF and TSC human factors attributes are not explicitly described in the emergency plan. As an alternative the staff has accepted a statement that the EOF and TSC designs incorporate NUREG-0696 guidance. The staff assumed you would follow the standard response and reviewed the Turkey Point Emergency Plan, Revision 2. The staff found the EOF design specifically addressed NUREG-0696 but the TSC reference was too generic. Section H.1.b (page H-2) of the emergency plan states:

“The TSC meets **most** of the requirements of NUREG-0696, *Functional Criteria for Emergency Response Facilities* and RG 1.206, *Combined License Applications for Nuclear Power Plants.*” (Emphasis added)

This statement is not sufficiently specific for the staff to draw a conclusion.

Question:

1. Revise the response to COL information item 18.2-2 so it reflects the latest revision in the DCD.
2. If the standard COL information item response is used, provide a more specific reference to NUREG-0696 (similar to the reference used for the EOF.)