

## **PMTurkeyCOLPEm Resource**

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**From:** Comar, Manny  
**Sent:** Tuesday, July 23, 2013 5:09 PM  
**To:** Baval, Bruce; Burkhart, Lawrence; Butler, Rhonda; Comar, Manny; Galletta, Thomas; Habib, Donald; Hale, Jerry; Hughes, Brian; Joshi, Ravindra; McGovern, Denise; Minarik, Anthony; Nagel, Cheri; orthen, Richard; Raymond Burski; Steve Franzone; STEVEN.HAMRICK; TurkeyCOL Resource; William Maher; RidsAcrcsAcnw\_MailCTR Resource; RidsNroDnrILb4 Resource; RidsOgcMailCenter Resource; RidsRgn2MailCenter Resource  
**Cc:** Reddy, Devender  
**Subject:** RAI LETTER NO.078 RELATED TO SRP SECTION 10.04.05 CIRCULATING WATER SYSTEMS FOR THE TURKEY POINT NUCLEAR PLANT UNITS 6 AND 7 COMBINED  
**Attachments:** PTN-ltr-78-rai7129.pdf

All:

Attached is the RAI letter No. 78 related to SRP Section: 10.04.05 – Circulating Water System for the Turkey Point Units 6 and 7 Combined License Application.

The Accession number is ML13204A334.

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:** 815

**Mail Envelope Properties** (377CB97DD54F0F4FAAC7E9FD88BCA6D0DB235C7708)

**Subject:** RAI LETTER NO.078 RELATED TO SRP SECTION 10.04.05 CIRCULATING WATER SYSTEMS FOR THE TURKEY POINT NUCLEAR PLANT UNITS 6 AND 7 COMBINED  
**Sent Date:** 7/23/2013 5:08:50 PM  
**Received Date:** 7/23/2013 5:08:53 PM  
**From:** Comar, Manny

**Created By:** Manny.Comar@nrc.gov

**Recipients:**

"Reddy, Devender" <Devender.Reddy@nrc.gov>  
Tracking Status: None  
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Tracking Status: None  
"Burkhart, Lawrence" <Lawrence.Burkhart@nrc.gov>  
Tracking Status: None  
"Butler, Rhonda" <Rhonda.Butler@nrc.gov>  
Tracking Status: None  
"Comar, Manny" <Manny.Comar@nrc.gov>  
Tracking Status: None  
"Galletta, Thomas" <Thomas.Galletta@nrc.gov>  
Tracking Status: None  
"Habib, Donald" <Donald.Habib@nrc.gov>  
Tracking Status: None  
"Hale, Jerry" <Jerry.Hale@nrc.gov>  
Tracking Status: None  
"Hughes, Brian" <Brian.Hughes@nrc.gov>  
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"Joshi, Ravindra" <Ravindra.Joshi@nrc.gov>  
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"Minarik, Anthony" <Anthony.Minarik@nrc.gov>  
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"Raymond Burski" <raymond.burski@fpl.com>  
Tracking Status: None  
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Tracking Status: None  
"STEVEN.HAMRICK" <steven.hamrick@fpl.com>  
Tracking Status: None  
"TurkeyCOL Resource" <TurkeyCOL.Resource@nrc.gov>  
Tracking Status: None  
"William Maher" <William.maher@fpl.com>  
Tracking Status: None  
"RidsAcrsAcnw\_MailCTR Resource" <RidsAcrsAcnw\_MailCTR.Resource@nrc.gov>  
Tracking Status: None

"RidsNroDnrLb4 Resource" <RidsNroDnrLb4.Resource@nrc.gov>  
Tracking Status: None  
"RidsOgcMailCenter Resource" <RidsOgcMailCenter.Resource@nrc.gov>  
Tracking Status: None  
"RidsRgn2MailCenter Resource" <RidsRgn2MailCenter.Resource@nrc.gov>  
Tracking Status: None

**Post Office:** HQCLSTR01.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	492	7/23/2013 5:08:53 PM
PTN-ltr-78-rai7129.pdf	107929	

**Options**

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

## TurkeyPointRAIsPEm Resource

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**From:** Comar, Manny  
**Sent:** Tuesday, July 23, 2013 3:10 PM  
**To:** TurkeyPointRAIsPEm Resource  
**Subject:** REQUEST FOR ADDITIONAL INFORMATION LTR. .078 RELATED TO SRP SECTION 10.04.05 CIRCULATING WATER SYSTEM FOR THE TURKEY POINT NUCLEAR PLANT UNITS 6 AND 7 COLA  
**Attachments:** PTN-RAI-LTR-078.doc

**Hearing Identifier:** TurkeyPoint\_COL\_eRAIs  
**Email Number:** 88

**Mail Envelope Properties** (377CB97DD54F0F4FAAC7E9FD88BCA6D0DB235C764A)

**Subject:** REQUEST FOR ADDITIONAL INFORMATION LTR. .078 RELATED TO SRP SECTION 10.04.05 CIRCULATING WATER SYSTEM FOR THE TURKEY POINT NUCLEAR PLANT UNITS 6 AND 7 COLA

**Sent Date:** 7/23/2013 3:09:51 PM

**Received Date:** 7/23/2013 3:09:52 PM

**From:** Comar, Manny

**Created By:** Manny.Comar@nrc.gov

**Recipients:**

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

Tracking Status: None

**Post Office:** HQCLSTR01.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	3	7/23/2013 3:09:52 PM
PTN-RAI-LTR-078.doc	60986	

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

July 23, 2013

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.078 RELATED  
TO SRP SECTION 10.04.05 CIRCULATING WATER SYSTEMS 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, December 21, 2010, December 16, 2011 and December 14, 2012, 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 45 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 Licensing Branch 4  
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 Licensing Branch 4  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 52-040  
52-041  
eRAI Tracking No. 7129

Enclosure:  
Request for Additional Information

Distribution:

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RidsNroDnrLB4	BBaval	TGalletta
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BAnderson	DHabib	EMcKenna

NRO-002

OFFICE	BPTS/BC	LB4/PM	LB4/L-PM
NAME	EMckenna*	MComar*	MComar*
DATE	5/22/13	7/10/13	7/23/13

\*Approval captured electronically in the electronic RAI system.

**OFFICIAL RECORD COPY**



**Request for Additional Information 078**

Issue Date: 07/23/2013

Application Title: Turkey Point Units 6 and 7

Operating Company: Florida P and L

Docket No. 52-040 and 52-041

Review Section: 10.04.05 - Circulating Water System

Application Section:

QUESTIONS

10.04.05-2

In FSAR section 10.4.5.2.2, PTN COL 10.4-1 describes that piping is routed from each waterbox to the condenser water box drain pump, which in turn pumps the water back to the cooling tower basin. GDC 60 requires plants to be designed to control the release of radioactive materials in gaseous and liquid effluents. To comply with GDC 60, the design and routing of the waterbox drains must conform to GDC 60, so that it prevents an inadvertent transfer of contaminated fluids to the noncontaminated cooling tower basin. Based on the information provided in the FSAR, the staff is unable to reach conclusion regarding compliance to GDC 60 , because it cannot verify that the effluents routed to the cooling tower basin through the waterbox drains will be monitored for radiation prior to disposition. Therefore, the staff requests the applicant to provide additional information verifying that radioactive sources, such as the waterbox drains, that will drain downstream to the cooling tower basin are appropriately monitored, and if contamination is detected that the effluent is appropriately routed to the radioactive waste system.