

## **PMTurkeyCOLPEm Resource**

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**From:** Comar, Manny  
**Sent:** Thursday, May 19, 2011 2:57 PM  
**To:** RidsAcrsAcnw\_MailCTR Resource; RidsNroDnrINwe1 Resource; RidsNroLAKGoldstein Resource; RidsOgcMailCenter Resource; RidsRgn2MailCenter Resource; orthen, Richard; Steve Franzone; STEVEN.HAMRICK; TurkeyCOL Resource; William Maher; Anderson, Brian; Bovol, Bruce; Comar, Manny; Cruz, Jeffrey; Goldstein, Kay; Green, Sharon; Habib, Donald; Haggerty, Sharon; Hughes, Brian; Joshi, Ravindra; Minarik, Anthony; Sebrosky, Joseph; Wade, Tony  
**Cc:** Segala, John; Stubbs, Angelo; Wheeler, Larry; Weisman, Robert  
**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 023 RELATED TO SRP SECTION 09.02.02 FOR THE TURKEY POINT UNITS 6 AND 7 COMBINED LICENSE APPLICATION  
**Attachments:** PTN-ltr-023-rai5492.pdf

All:

Attached is the RAI letter No. 23 related to SRP Section:.09.02.2 Reactor Auxiliary Cooling water System for the Turkey Point Units 6 and 7 Combined License Application.

The Accession number is ML11139A328.

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:** 330

**Mail Envelope Properties** (377CB97DD54F0F4FAAC7E9FD88BCA6D063FAF0243A)

**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 023 RELATED TO  
SRP SECTION 09.02.02 FOR THE TURKEY POINT UNITS 6 AND 7 COMBINED LICENSE  
APPLICATION

**Sent Date:** 5/19/2011 2:56:40 PM

**Received Date:** 5/19/2011 2:56:44 PM

**From:** Comar, Manny

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

**Recipients:**

"Segala, John" <John.Segala@nrc.gov>

Tracking Status: None

"Stubbs, Angelo" <Angelo.Stubbs@nrc.gov>

Tracking Status: None

"Wheeler, Larry" <Larry.Wheeler@nrc.gov>

Tracking Status: None

"Weisman, Robert" <Robert.Weisman@nrc.gov>

Tracking Status: None

"RidsAcrsAcnw\_MailCTR Resource" <RidsAcrsAcnw\_MailCTR.Resource@nrc.gov>

Tracking Status: None

"RidsNroDnrlNwe1 Resource" <RidsNroDnrlNwe1.Resource@nrc.gov>

Tracking Status: None

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

Tracking Status: None

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

Tracking Status: None

"RidsRgn2MailCenter Resource" <RidsRgn2MailCenter.Resource@nrc.gov>

Tracking Status: None

"orthen, Richard" <richard.orthen@fpl.com>

Tracking Status: None

"Steve Franzone" <steve.Franzone@fpl.com>

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

"Anderson, Brian" <Brian.Anderson@nrc.gov>

Tracking Status: None

"Bavol, Bruce" <Bruce.Bavol@nrc.gov>

Tracking Status: None

"Comar, Manny" <Manny.Comar@nrc.gov>

Tracking Status: None

"Cruz, Jeffrey" <Jeffrey.Cruz@nrc.gov>

Tracking Status: None

"Goldstein, Kay" <Kay.Goldstein@nrc.gov>

Tracking Status: None

"Green, Sharon" <Sharon.Green@nrc.gov>

Tracking Status: None  
"Habib, Donald" <Donald.Habib@nrc.gov>  
Tracking Status: None  
"Haggerty, Sharon" <Sharon.Haggerty@nrc.gov>  
Tracking Status: None  
"Hughes, Brian" <Brian.Hughes@nrc.gov>  
Tracking Status: None  
"Joshi, Ravindra" <Ravindra.Joshi@nrc.gov>  
Tracking Status: None  
"Minarik, Anthony" <Anthony.Minarik@nrc.gov>  
Tracking Status: None  
"Sebrosky, Joseph" <Joseph.Sebrosky@nrc.gov>  
Tracking Status: None  
"Wade, Tony" <Tony.Wade@nrc.gov>  
Tracking Status: None

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

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE PTN-ltr-023-rai5492.pdf	509	5/19/2011 2:56:44 PM
	124910	

**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:** Thursday, May 19, 2011 8:54 AM  
**To:** TurkeyPointRAIsPEm Resource  
**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 023 RELATED TO SRP 9.2.2 REACTOR AUX. COOLING WATER SYSTEM FOR THE TURKEY POINT PLANT UNITS 6 AND 7  
**Attachments:** PTN-RAI-LTR-023.doc

**Hearing Identifier:** TurkeyPoint\_COL\_eRAIs  
**Email Number:** 26

**Mail Envelope Properties** (377CB97DD54F0F4FAAC7E9FD88BCA6D063FAE7DEFE)

**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 023 RELATED TO SRP 9.2.2 REACTOR AUX. COOLING WATER SYSTEM FOR THE TURKEY POINT PLANT UNITS 6 AND 7

**Sent Date:** 5/19/2011 8:53:33 AM

**Received Date:** 5/19/2011 8:53:34 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

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	3	5/19/2011 8:53:34 AM
PTN-RAI-LTR-023.doc	54266	

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

May 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. 023 RELATED  
TO SRP SECTION 9.2.2 REACTOR AUXILIARY COOLING WATER SYSTEM  
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](mailto: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. 5492

Enclosure:  
Request for Additional Information

Distribution:

Public	BWeisman	BHughes
RidsNroDnrINwe1	JCruz	MComar
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RidsRgn2MailCenter	JSebrosky	DHabib
AMinarik	JSegala	AStubb

NRO-002

OFFICE	SBPA/BC	NWE1/PM	OGC	NWE1/L-PM
NAME	JSegala*	MComar*	PMoulding*	MComar*
DATE	2/25/11	3/29/11	4/5/11	5/12/11

\*Approval captured electronically in the electronic RAI system.

**OFFICIAL RECORD COPY**



Request for Additional Information No. 5492

5/19/2011

Turkey Point Units 6 and 7  
Florida P and L  
Docket No. 52-040 and 52-041  
SRP Section: 09.02.02 - Reactor Auxiliary Cooling Water Systems  
Application Section: 9.2.7 - Central Chilled Water System

QUESTIONS from Balance of Plant Branch 1 (SBPA)

09.02.02-2

In PTN COL FSAR Section 9.2.7.2, "System Description," and Section 9.2.7.2.4, "System Operation," the applicant has proposed changes to the VWS. The changes refer to Table 9.2.7-1R, "Component Data – Central Chilled Water System," which indicates "PTN DEP 2.0-2," in the margin near the title of the table. PTN DEP 2.0-2 is described as a Tier 2 departure from the AP1000 DCD site parameters as summarized in PTN COL FSAR Table 2.0-201, "Comparison of DCD Site Parameters and Turkey Point Units 6 & 7 Site Characteristics."

The AP1000 DCD site parameter value for the air temperature maximum normal wet bulb (noncoincident) in DCD Tier 2, Table 2-1 is 80.1°F, and the PTN site value was revised to 81.5°F, as identified in PTN COL FSAR Section 2.3.1.5. Although the proposed change has been evaluated in PTN Part 7, Departures and Exemption Requests, it is not clear what aggregate effects there may be on other affected systems.

Accordingly, provide analysis of the aggregate effects on integrated plant operation due to the implementation of PTN DEP 2.0-2.

