

## PMTurkeyCOLPEm Resource

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**From:** Comar, Manny  
**Sent:** Thursday, February 21, 2013 11:59 AM  
**To:** Franzone, Steve  
**Cc:** TurkeyCOL Resource  
**Subject:** FW: TPN New RAI \_ Condenser Waterbox Drains - Radiation Detectors-Dec 2012. docx.docx  
**Attachments:** TPN New RAI \_Rdiation Detectors-Dec 2012. docx.docx

Steve:

What is the status of this issue.

Thanks

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**From:** Reddy, Devender  
**Sent:** Thursday, February 21, 2013 8:22 AM  
**To:** Comar, Manny  
**Cc:** Sweat, Tarico; Stubbs, Angelo  
**Subject:** FW: TPN New RAI \_ Condenser Waterbox Drains - Radiation Detectors-Dec 2012. docx.docx

Manny:

Any feedback from TPN on the subject item? Please let me know. Thanks,

Devender

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**From:** Reddy, Devender  
**Sent:** Tuesday, December 18, 2012 2:38 PM  
**To:** Lee, Samuel  
**Cc:** McKenna, Eileen; Stubbs, Angelo; Sweat, Tarico; Comar, Manny; Scheirer, Richard  
**Subject:** FW: TPN New RAI \_ Condenser Waterbox Drains - Radiation Detectors-Dec 2012. docx.docx

Sam:

Please ignore the attached RAI regarding condenser waterbox drains. Manny (the PM) and I discussed with the applicant (Turkey Point) this afternoon. Turkey Point agreed that there should be radiation detection prior to disposing the waterbox drains. The applicant will provide an update to Manny, in turn Manny will provide us the feedback. We will concur on the final ASE only when Projects submits to us

Any questions/comments, please advise. Thanks,

Devender

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**From:** Reddy, Devender  
**Sent:** Tuesday, December 11, 2012 5:35 PM  
**To:** Lee, Samuel  
**Cc:** McKenna, Eileen; Stubbs, Angelo; Scheirer, Richard  
**Subject:** TPN New RAI \_Rdiation Detectors-Dec 2012. docx.docx

Sam:

Please review the new RAI for Turkey Point circulating water system (CWS) and provide your approval with/without comments, so that I can enter into the eRAI system.

Prior to Revision 17 of the AP1000 DCD, the CWS waterbox drains design and routing and radioactive monitoring was a standard text in the DCD. Later, the DCD removed the waterbox drain design and identified it as COL item, which the COLs needs to address. Turkey Point did not address the radioactive monitoring part of the design in its FSAR. Therefore we generated this RAI. Any questions/comments, please advise.

Thanks,

Devender

**Hearing Identifier:** TurkeyPoint\_COL\_Public  
**Email Number:** 778

**Mail Envelope Properties** (377CB97DD54F0F4FAAC7E9FD88BCA6D0BAEC51F07A)

**Subject:** FW: TPN New RAI \_ Condenser Waterbox Drains - Radiation Detectors-Dec  
2012. docx.docx  
**Sent Date:** 2/21/2013 11:59:17 AM  
**Received Date:** 2/21/2013 11:59:18 AM  
**From:** Comar, Manny

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

**Recipients:**  
"TurkeyCOL Resource" <TurkeyCOL.Resource@nrc.gov>  
Tracking Status: None  
"Franzone, Steve" <Steve.Franzone@fpl.com>  
Tracking Status: None

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

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	2050	2/21/2013 11:59:18 AM
TPN New RAI _Rdiation Detectors-Dec 2012. docx.docx		21306

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

Turkey Point Units 6 and 7  
Florida P and L  
Docket No. 52-040 and 52-041  
SRP Section: 10.04.05 - Circulating Water System  
Application Section: 10.4.5.2.2 - Circulating Water System

**Request for Additional Information  
December 2012**

Section 10.04.05 – Circulating Water System:

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.