

PMTurkeyCOLPEm Resource

From: Comar, Manny
Sent: Monday, September 10, 2012 8:08 AM
To: TurkeyCOL Resource
Subject: FW: FPL Letter L-2012-227 Dated 22MAY12: Supplemental Information for the Combined License Application Part 2 Final Safety Analysis Report Chapter 11 (Radioactive Waste Management)
Attachments: L-2012-227 Dated 22MAY12 FSAR 11.2.1.2.4 SUP.pdf

From: Franzone, Steve [<mailto:Steve.Franzone@fpl.com>]
Sent: Monday, August 27, 2012 3:28 PM
To: Comar, Manny
Subject: FW: FPL Letter L-2012-227 Dated 22MAY12: Supplemental Information for the Combined License Application Part 2 Final Safety Analysis Report Chapter 11 (Radioactive Waste Management)

Rick pointed this one out to me also.

Steve Franzone
NRP Licensing Manager - COLA
"Don't fight a battle if you don't gain anything by winning." George S. Patton
561.694.3209 (office)
754.204.5996 (cell)

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From: Orthen, Richard
Sent: Tuesday, May 22, 2012 12:02 PM
To: 'David Matthews (david.matthews@nrc.gov)'; Maher, William; 'Manny M. Comar (manny.comar@nrc.gov)'; 'Scott Stewart (scott.stewart@nrc.gov)'; 'Victor Mccree (Victor.Mccree@nrc.gov)'; Alicia Wiliamson
Subject: FPL Letter L-2012-227 Dated 22MAY12: Supplemental Information for the Combined License Application Part 2 Final Safety Analysis Report Chapter 11 (Radioactive Waste Management)

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555-0001

Re: Florida Power & Light Company
Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
Supplemental Information for the Combined License Application Part 2
Final Safety Analysis Report Chapter 11 (Radioactive Waste Management)

Florida Power & Light Company (FPL) provides, as an attachment to this letter, supplemental information for the Turkey Point Units 6 and 7 Combined License Application (COLA) Final

Safety Analysis Report (FSAR) Subsection 11.2.1.2.4. The attachment identifies changes that will be made in a future revision of the Turkey Point Units 6 and 7 COLA.

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Hearing Identifier: TurkeyPoint_COL_Public
Email Number: 635

Mail Envelope Properties (377CB97DD54F0F4FAAC7E9FD88BCA6D0B0FBAE18AE)

Subject: FW: FPL Letter L-2012-227 Dated 22MAY12: Supplemental Information for the Combined License Application Part 2 Final Safety Analysis Report Chapter 11 (Radioactive Waste Management)

Sent Date: 9/10/2012 8:07:49 AM

Received Date: 9/10/2012 8:07:50 AM

From: Comar, Manny

Created By: Manny.Comar@nrc.gov

Recipients:
"TurkeyCOL Resource" <TurkeyCOL.Resource@nrc.gov>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	Size	Date & Time
MESSAGE	2570	9/10/2012 8:07:50 AM
L-2012-227 Dated 22MAY12 FSAR 11.2.1.2.4 SUP.pdf		194098

Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received:



L-2012-227
10 CFR 52.3

May 22, 2012

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I declare under penalty of perjury that the foregoing is true and correct.

Executed on May 22, 2012.

Sincerely,

A handwritten signature in blue ink, appearing to read 'William Maher', is written over a horizontal line.

William Maher
Senior Licensing Director – New Nuclear Projects

WDM/RFO

Proposed Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
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Attachment: Supplemental Information for FSAR Subsection 11.2.1.2.4

cc:

PTN 6 & 7 Project Manager, AP1000 Projects Branch 1, USNRC DNRL/NRO
Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, Turkey Point Plant 3 & 4

The final design of the liquid radwaste system (WLS) piping and the waste water system (WWS) piping will occur during the detailed design phase of the project. Supplemental information describing the conceptual approach to the design will be provided in a future revision to the FSAR.

ASSOCIATED COLA REVISIONS:

COLA Part 2, Subsection 11.2.1.2.4, will be revised in a future COLA revision as follows:

Add the following information at the end of DCD Subsection 11.2.1.2.4:

~~The Turkey Point Units 6 & 7 liquid radwaste system (WLS) effluent discharge release point is where the WLS effluent discharge pipe connects to the blowdown sump discharge pipe to deep injection wells. The WLS effluent discharge piping is double walled piping up to this point.~~

The guard pipe enclosed radwaste discharge piping connects to the blowdown sump discharge piping downstream of the blowdown sump pumps. Dilution of the liquid radwaste is initiated as the radwaste enters the blowdown sump discharge stream. The content of the blowdown sump is a combination of waste streams largely comprised of reclaimed water or seawater from circulating water system blowdown during plant operation or from the alternate dilution flow paths when CWS blowdown is not sufficient or available for dilution.

Piping from the blowdown sump dilution connection point is routed to the deep injection wells, distributed in two branches; one branch is oriented in a N-S direction and located to the east of Unit 6. The second branch is oriented in the E-W direction and located to the south of Units 6 & 7, as shown on FSAR Figure 1.1-201.

This injectate piping to each deep injection well isolation valve is single-walled, partially buried, and constructed of material suitable for the range of injectate composition, flow rates, and pressures, as well as environmental factors. The injectate piping contains manifolds, valves, and controls necessary to supply any appropriate combination of the deep injection wells. The injectate piping also includes appurtenances, such as vacuum breakers, vent lines, and access ways, as necessary, for proper operation and maintenance of the piping.

The piping, manifolds, valves, controls, and appurtenances are designed to minimize inadvertent or unidentified releases to the environment. Integrity of the injectate piping will be monitored for leakage or will be accessible for visual inspection or remote surveillance in conjunction with groundwater monitoring, as necessary, as part of the Units 6 & 7 Groundwater Monitoring Program.

As stated in Appendix 12AA, NEI 08-08A is adopted for Turkey Point Units 6 & 7. The NEI 08-08A template guidance provides a description of the operational and programmatic elements and controls that minimize contamination of the facility, site, and the environment, to meet the requirements of 10 CFR 20.1406.