

## **PMTurkeyCOLPEm Resource**

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**From:** Franzone, Steve <Steve.Franzone@fpl.com>  
**Sent:** Thursday, July 07, 2016 5:30 PM  
**To:** Comar, Manny  
**Cc:** TurkeyCOL Resource; Maher, William; Orthen, Richard  
**Subject:** [External\_Sender] radwaste discharge pipeline

From FSAR Chap. 11, Rev. 7

PTN SUP 11.2-1

Turkey Point Units 6 & 7 COL Application Part 2 — FSAR

### 11.2 LIQUID WASTE MANAGEMENT SYSTEMS

This **section** of the referenced DCD is incorporated by reference with the

following departures and/or supplements. 11.2.1.2.4 Controlled Release of Radioactivity

Add the following to the end of **DCD Subsection 11.2.1.2.4**:

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.

From DCD Chap 11

#### **11.2.1.2.4 Controlled Release of Radioactivity**

The monitored radwaste discharge pipeline is engineered to preclude leakage to the environment. This pipe is routed from the auxiliary building to the radwaste building (the short section of pipe between the two buildings is fully available for visual inspection as noted above) and then out of the radwaste building to the licensed release point for dilution and discharge. The discharge radiation monitor and isolation valve are located inside the radiologically controlled area. **The exterior piping is designed to preclude inadvertent or unidentified releases to the environment; it is either enclosed within a guard pipe and monitored for leakage, or accessible for visual inspection.** No valves or vacuum breakers are incorporated outside of monitored structures. This greatly reduces the potential for undetected leakage from this discharge to the environment at a non-licensed release point, and supports compliance with 10 CFR 20.1406 (Reference 5).

Let me know if you have more questions.

Thanks  
Steve Franzone

NNP Licensing Manager - COLA

“A little more persistence, a little more effort, and what seemed hopeless failure may turn to glorious success.” ~

Elbert Hubbard

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