

PMTurkeyCOLPEm Resource

From: Comar, Manny
Sent: Monday, September 10, 2012 8:09 AM
To: TurkeyCOL Resource
Subject: FW: Outline of information needed from Turkey Pt on their radwaste discharge line
Attachments: Turkey Pt Telecom Qs on the discharge pipe (8-23-12)(2 items).doc

From: Hinson, Charles
Sent: Friday, August 24, 2012 6:07 PM
To: Comar, Manny
Cc: McCoppin, Michael; Dehmel, Jean-Claude
Subject: Outline of information needed from Turkey Pt on their radwaste discharge line

Manny

In reviewing my notes from the March 29, 2012 call to Turkey Pt (the only applicant name that I wrote down was Rick Orthin (sp?)), I noted that during the call I covered all of my concerns and asked several questions concerning the layout of their proposed radwaste discharge line. During the call the applicant provided responses to several of my questions, but stated that they had not yet finalized the design and therefore, were not able to provide answers to some of my questions (such as the material and dimensions of the portion of the discharge pipe running from the point where the WLS joins the sump discharge line to the discharge point at the deep injection wells).

In order to have enough information to write the section of the SER addressing STD COL 12.3-3, I need the applicant to provide the information described in the attachment.

All of the information described in item 1) in the attachment should be addressed in an expanded subsection PTN SUP 11.2-1 to the Turkey Pt COL FSAR. Even though this information is addressed in FSAR Chapter 11, I will evaluate it in Chapter 12 of the Turkey Pt. SER. The applicant may want to look at how the other AP1000 COL applicants addressed the above issues in their respective FSAR supplements to DCD Section 11.2.1.2.4.

In order to adequately describe the design of the discharge line in my Ch 12 SER, I would need to know some additional details about the discharge line and this is why I requested the information in item 2) in the attachment. This level of detail need not be included in PTN SUP 11.2-1. If this information is currently described in other sections of the Turkey Pt FSAR, then the applicant should specify which FSAR sections contain this information, otherwise, the applicant should provide these details, if known at this time. Since you requested that we not send a formal RAI to the applicant, maybe the applicant could provide a written response to the items requested in this telecom so that I could have something to reference in my SER.

Please let me know if this information will be adequate for the telecom with the Turkey Pt applicant next week. Since I plan to take next Monday (August 27) off, if you need to contact me on Monday, please call me on my cell phone at (703) 898-0212.

Charlie Hinson
X1845

Hearing Identifier: TurkeyPoint_COL_Public
Email Number: 633

Mail Envelope Properties (377CB97DD54F0F4FAAC7E9FD88BCA6D0B0FBAE18B0)

Subject: FW: Outline of information needed from Turkey Pt on their radwaste discharge line
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From: Comar, Manny

Created By: Manny.Comar@nrc.gov

Recipients:
"TurkeyCOL Resource" <TurkeyCOL.Resource@nrc.gov>
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MESSAGE	2598	9/10/2012 8:09:15 AM	
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Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
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- 1) Expand PTN SUP 11.2-1 (added to the end of DCD Subsection 11.2.1.2.4) to address the following:
 - a. Verify that the effluent discharge release point is the point of controlled discharge to the environment (i.e., the deep well injection point) and not “where the discharge pipe connects to the blowdown sump discharge pipe” as is currently specified in the Turkey Pt COL FSAR.
 - b. Describe the design features associated with the portion of discharge piping running between where the WLS effluent discharge pipe ties into the blowdown sump discharge pipe and where the sump discharge pipe enters the deep injection wells. This description should focus on those features (such as pipe material, whether the pipe will be buried or above ground, whether the pipe will have any valves, vacuum breakers, or other fittings (which could contribute to leakage from this piping)) which serve to reduce the potential for undetected leakage to the environment, in accordance with 10 CFR 20.1406 and the guidance contained in RG 4.21.
 - c. Verify that monitoring of the blowdown sump discharge pipe (between the point where the WLS effluent discharge pipe ties into the blowdown sump discharge pipe and where the sump discharge pipe enters the deep injection wells) will be monitored for leakage as part of the Groundwater Monitoring Program, as described in NEI 08-08A.
- 2) Provide a description of the routing of the blowdown sump discharge pipe between the tie-in point of the WLS effluent discharge pipe and the points where the pipes enter the deep injection wells. This should include a description of the how this pipe is split to go to the two headers and is then further split to go to the different deep injection wells.