

PMSTPCOL PEmails

From: Foster, Rocky
Sent: Tuesday, July 26, 2011 5:11 AM
To: Wong, Yuken; Chappell, Coley
Cc: Tai, Tom; STPCOL
Subject: RE: STP OI Telecom 7/27/2011 Agenda

Yuken,

Let's shoot for 09:45am for your Chapter 3.9.2 discussion. I'll adjust the conversations with STP to wrap the Chapter 9 issues by then and I can float the OI Master List discussion as necessary.

Coley, take note of the time for the Chapter 3.9.2 discussion at 09:45am to ensure your support staff is available.

Thanks,

Rocky

From: Wong, Yuken
Sent: Monday, July 25, 2011 5:32 PM
To: Foster, Rocky
Cc: Tai, Tom
Subject: RE: STP OI Telecom 7/27/2011 Agenda

Rocky,

There are several items before the 3.9.2 discussion on Wednesday at 9:00 am. Is it possible to let me know a approximate starting time for 3.9.2 discussion, so that I don't need to pay my contractors to dial in at 9:00 am, and perhaps wait for more than 30 minutes for their turn?

Thanks,
Yuken

From: Tai, Tom
Sent: Monday, July 25, 2011 12:45 PM
To: Wong, Yuken
Cc: Dixon-Herrity, Jennifer
Subject: FW: STP OI Telecom 7/27/2011 Agenda

Yuken,

Rocky will have OI discussion with NINA starting at 9 am in Mark Tonacci's office (T-6D45). His agenda below includes the two we had in my agenda. I've cautioned John Price about the new topics. Therefore, the new items from David Ma and potentially new ones can be brought up tomorrow but there is no guarantee if they are ready to offer any insight.

The phone number and PIN are in Rocky's e-mail below.

Tom Tai
DNRL/NRO
(301) 415-8484
Tom.Tai@NRC.GOV

From: Foster, Rocky
Sent: Monday, July 25, 2011 11:20 AM
To: Chappell, Coley; wemookhoek@stpegs.com; Head, Scott; Elton, Loree
Cc: Chakrabarti, Samir; Agles, James; jeprice@stpegs.com; STPCOL; Wunder, George; Tai, Tom
Subject: STP OI Telecom 7/27/2011 Agenda

Good Morning,

The Open Items telecom is schedule for July 27, 2011. The morning session is from 09:00 am to 11:00 am and the afternoon session is from 2:00 pm to 3:30 pm.

The conference line call-in information for the morning session and agenda topics are as follows:

Conference Line - 888-989-3415
Pass Code - 28037

9-11 am Agenda:

- NRC/NINA - Continuation of Chapter 9 fuel rack structural review RAI responses discussion
- NRC/NINA - OI Master List (attached)
- NRC/NINA - Items #4 & #5 from Chapter 3 afternoon discussion (Potential)
- Comments/Questions

Chapter 3 Telecom Topics:

2:00 pm – 2:30 pm Topics

Conference Line - 866-803-2146
Pass Code - 7482641

Tom Tai will be in Chicago this Wednesday with NINA and S&L but we'll hold our weekly telephone conference to discuss EMB2's Chapter 3.9.2 issues and one (1) Chapter 3.8 issue. They are:

1. RB seismic and dynamic analysis referenced in the HCU spec.
2. New information, if any, related to the CRD spec. and RAI 03.09.04-1 issued in Letter 380.
3. Additional information NINA may have on ACSTIC2 V&V and the new RAI under Chapter 3.9.1 on the same subject.
4. Analysis Case 4: Ten pumps in-phase and maximum flow rate (i.e., [111%] of core flow). This produces symmetric flow distributions within the reactor vessel. Thus, maximum reactor coolant dynamic pressures would be present in the reactor core and in regions above the core (e.g., top guide and steam separators). This case is bounding because the [111%] flow rate is the maximum achievable at the 100% power level. In WCAP-17371-P, Rev. 2, Section 5.1.2 the applicant stated that the analyses for the internal components, except for the CRDH/CRGTs, ICGT/ICMHs, and stabilizers were done at a more conservative flow rate of [120%].

The staffed noted that only large components in downcomer (i.e., core shroud, shroud support, and shroud head) were analyzed with 120% flow rate in Analysis Case 4 as stated in WCAP-17371-P, Rev. 0, Section 6.2.1. Small components in downcomer (FW and LPCF sparger, RIP Guide Rails) and components above the core (steam separators and lifting rods, HPCP sparger and coupling) and component in lower plenum (CP and RIP DP lines) were not analyzed with a more conservative flow rate 120%.

5. In response to RAI 03.09.02-26 dated November 4, 2010, the applicant listed 4 tests which were performed to validate the CFD approach. These tests include cases of separated flow, rotating flow, branched flow, and turbulent flow. The validation tests results have been compared with theoretical or measured results, and it was concluded that the CFD results were sufficiently accurate for these test cases. Additional validation of the CFD model of the lower plenum was performed by comparing the velocity distributions of Case 4 conditions along a vertical measurement line with the 1/5th scale model test data. Although, good agreement was found between the velocity distribution patterns, the simulation results underestimated the maximum radial inward velocity by 18%. The applicant therefore accounted for this difference by including an additional safety margin of 18% to the computed FIV stresses. We need confirmation that this additional margin is included in the lower plenum component (i.e., CRGT/CRDH assemblies, ICGT/ICMH assemblies, stabilizers, CP DP lines, and RIP DP lines) analyses. Send the revised analyses, revised RAI 03.09.02-26 response, or Letter U7-C-NINA-NRC-110069.
6. NINA has been asked to clarify the differences between Required versus Provided moment reinforcements (0.7 versus 0.79 or 0.97 versus 1.00) or non-existent (1.56 for both) in the July 12, 2011 submittal in NINA letter 110099, in Table 3H.6-6, "Results of RSW Piping Tunnel Design".

If you have additional topics, please bring to the meeting.

If you are not in the office or if anyone else needs to participate, please use the following:

Thanks,

Rocky D. Foster
Project Manager
US Nuclear Regulatory Commission
Office of New Reactors
Division of New Reactor Licensing
BWR Projects Branch (NGE)
Mai Stop T6D38M
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Hearing Identifier: SouthTexas34Public_EX
Email Number: 2999

Mail Envelope Properties (26E42474DB238C408C94990815A02F09600786FB5D)

Subject: RE: STP OI Telecom 7/27/2011 Agenda
Sent Date: 7/26/2011 5:10:48 AM
Received Date: 7/26/2011 5:10:51 AM
From: Foster, Rocky

Created By: Rocky.Foster@nrc.gov

Recipients:

"Tai, Tom" <Tom.Tai@nrc.gov>
Tracking Status: None
"STPCOL" <STP.COL@nrc.gov>
Tracking Status: None
"Wong, Yuken" <Yuken.Wong@nrc.gov>
Tracking Status: None
"Chappell, Coley" <ccchappell@STPEGS.COM>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	Size	Date & Time
MESSAGE	6200	7/26/2011 5:10:51 AM

Options

Priority: Standard
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