

PMSTPCOL NPEmails

From: Tai, Tom
Sent: Wednesday, April 20, 2011 11:13 AM
To: Wong, Yuken
Cc: Hsia, Anthony; Wunder, George; Tonacci, Mark; Dixon-Herrity, Jennifer; Spicher, Terri; 'Price, John E'; STPCOL
Subject: May 5, 2011 FIV Meeting

Yuken,

NINA has confirmed that WEC, CDI, and Toshiba can support FIV meeting on **Thursday, May 5, afternoon**. The meeting location will still be the Twinbrook office of Westinghouse. I suggested that we'll start as near to 12:30 pm as possible (the shuttle leaves TWFN at noon and at 12:30 pm) and stay as late as we need to. NINA is also prepared to continue the meeting on Friday, May 6, if necessary.

Please share this new meeting plan and schedule with Drs Ziada, Chopra, and Ma such that they can make their travel arrangement.

Regards

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

From: Wong, Yuken
Sent: Wednesday, April 20, 2011 9:49 AM
To: Tai, Tom
Cc: Hsia, Anthony; Wunder, George; Tonacci, Mark; Dixon-Herrity, Jennifer; Spicher, Terri
Subject: RE: questions for the meeting with Taiwanese AEC on 3/11

Tom,

If rescheduling the NINA meeting to May 2, 3, 4 or 6 is not possible, can you start the meeting no earlier than 11:00 am on May 5? In doing so, I can attend on May 5 the AEC meeting in the morning and later the NINA meeting.

Thanks,
Yuken

From: Tai, Tom
Sent: Wednesday, April 20, 2011 8:52 AM
To: Wong, Yuken
Cc: Hsia, Anthony; Wunder, George; Tonacci, Mark; Dixon-Herrity, Jennifer
Subject: RE: questions for the meeting with Taiwanese AEC on 3/11

Yuken,

The short answer is "Yes" but I do not recommend the delay.

Based on my previous conversation with NINA and confirmed again this morning, the same WEC team will be in the NRC HQ on the 3rd and 4th for another critical path meeting. Therefore, if the FIV meeting is not on May 5, it will be the week after because of NINA's (WEC, CDI, Toshiba) readiness and availability. WEC's Brad

Maurer said he estimated the dryer re-analysis will be a 3-month effort. Add three more months for EMB2 and consultants to prepare the SER, the estimated schedule to issue the Phase 4 SER is mid-November. Any delay, which now seems highly probable, will push the deliverable date to Thanksgiving and Christmas. Given the challenges during holiday season, we might as well plan on scheduling this for late January, 2012 so we have a better chance to succeed.

I understand that having the meeting a week later appears inconsequential. But I dread delays, especially in this case, self-imposed. I don't know what the Taiwan AEC meeting entails, but I'd recommend holding the May 5 FIV meeting and you can pick and choose your backup (Terri??) to attend either the Taiwan meeting or the NINA meeting. Meanwhile, I've asked NINA to check if May 9 (Monday) is a viable option for WEC/CDI/Toshiba. You may also want to check with your consultants.

Regards

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From: Wong, Yuken
Sent: Wednesday, April 20, 2011 7:54 AM
To: Tai, Tom
Subject: FW: questions for the meeting with Taiwanese AEC on 3/11

Tom,

Given Tony Hsia's comment, can we schedule the STP meeting to other days in the week of May 2?

Thanks,
Yuken

From: Hsia, Anthony
Sent: Tuesday, April 19, 2011 7:07 PM
To: Wong, Yuken
Cc: Dixon-Herrity, Jennifer; Tai, Tom
Subject: RE: questions for the meeting with Taiwanese AEC on 3/11

Yuken:

The meeting with the Taiwanese AEC is important particular for you since you are interested in observing the Lungmen startup tests. Is it possible to reschedule the 5/5 meeting with STP?

Tony

From: Wong, Yuken
Sent: Monday, April 18, 2011 8:38 AM
To: Hsia, Anthony
Cc: Dixon-Herrity, Jennifer
Subject: RE: questions for the meeting with Taiwanese AEC on 3/11

Tony,

I have a meeting with STP on the steam dryer on May 5, and will not be able to attend the May 5 AEC meeting.

Yuken

From: Emche, Danielle
Sent: Friday, April 15, 2011 3:36 PM
To: Rosales-Cooper, Cindy
Cc: Wong, Yuken; Dixon-Herrity, Jennifer; Hsia, Anthony; Tabatabai, Omid
Subject: RE: questions for the meeting with Taiwanese AEC on 3/11

Cindy,

We have been able to settle on May 5 as the date for the NRO discussions with Taiwan. This will include the agenda items from the March postponed meeting. We are not certain about all of the details but I would like to confirm the date and prior meeting agenda. If NRO staff have other topics they would like to propose for the exchange, please let me know. Currently the agenda includes:

Proposed by NRC:

1. Preoperational and startup testing of ABWR at Lungmen power station related to component/piping vibration, thermal expansion and stratification measurements and the pre-op testing of the steam dryers
2. Reactor internal vibration monitoring data/issues
3. Lungmen power station seismic equipment qualification program, specifically related to hard rock high frequency issues

Proposed by AEC:

1. Basemat cracking with groundwater seepage (Chinshan Unit 2)
2. Cracking in pre-stressed concrete containment vessel (Maanshan)
3. Leakage in spent fuel pool (Chinshan)

From: Hsia, Anthony
Sent: Tuesday, March 01, 2011 5:44 PM
To: Rosales-Cooper, Cindy; Emche, Danielle
Cc: Wong, Yuken; Dixon-Herrity, Jennifer
Subject: RE: questions for the meeting with Taiwanese AEC on 3/11

If we are meeting with the Taiwanese AEC reps in May, there should still be time for us to make a recommendation to management regarding who and how many NRO should send to observe the startup tests at Lungmen.

Tony

From: Rosales-Cooper, Cindy
Sent: Tuesday, March 01, 2011 4:59 PM
To: Emche, Danielle; Hsia, Anthony
Cc: Wong, Yuken; Dixon-Herrity, Jennifer
Subject: RE: questions for the meeting with Taiwanese AEC on 3/11

Yes, the additional staffer would be from Tony's branch. The meeting next week would have been to determine whether or not it was useful to send an additional staffer from NRO.

From: Emche, Danielle
Sent: Tuesday, March 01, 2011 4:35 PM
To: Hsia, Anthony
Cc: Wong, Yuken; Dixon-Herrity, Jennifer; Rosales-Cooper, Cindy
Subject: RE: questions for the meeting with Taiwanese AEC on 3/11

Hi Anthony,

The dates are place holders. They aren't firm dates due to the extensive cable rerouting effort that is occurring in the control room. The TBC date for June is for planning purposes and currently involves 2 RII staff. The TBC date for September is for observing the startup testing and currently involves 2 RII staff and 2 NRO staff. I believe NRO was looking into whether there was a need to send any additional staff.

Danielle

From: Hsia, Anthony
Sent: Tuesday, March 01, 2011 4:23 PM
To: Emche, Danielle
Cc: Wong, Yuken; Dixon-Herrity, Jennifer
Subject: RE: questions for the meeting with Taiwanese AEC on 3/11

Danielle:

Are they still taking about a June trip to Taiwan and/or a trip for NRC reps to observe the startup tests at Lungmen in the Fall timeframe?

Tony

From: Emche, Danielle
Sent: Tuesday, March 01, 2011 3:55 PM
To: Hsia, Anthony; Rosales-Cooper, Cindy; Tabatabai, Omid
Cc: Chen, Pei-Ying; Hsu, Kaihwa; Wong, Yuken; Dixon-Herrity, Jennifer; Law, Yiu; Li, Yueh-Li; Spicher, Terri
Subject: RE: questions for the meeting with Taiwanese AEC on 3/11

Cindy, Omid, Anthony,

I received news this afternoon that Taiwan has been unable to receive their visas in time for their participation at the RIC and meeting with NRO on March 11. There has been some recent difficulty for Taiwan with their visas and I had engaged Department of State and the American Institute of Taiwan, requesting their assistance to expedite the visas but heard back that Taiwan apparently submitted their paperwork too late. The good news is that there will be our NRC-AEC "Bilateral Technical Meeting," (BTM) either May 2-4 or May 3-5, 2011, with even greater participation from Taiwan and experience for NRC staff to draw from. AEC has proposed that presentations requested for March 11 be deferred to the BTM. We will expand the existing BTM agenda to include the NRO agenda items. They have said that they will also provide NRC staff with the presentations that they planned to provide on March 11th and I should have these by the end of the week.

In addition, attached you will find the answers to some of Anthony's questions. In response to questions about pre-operational testing and what has been completed, they have provided me with the following statement:

"Taipower only completed 8 out of 126 pre-operational tests as of today. In addition, the maximum temperature attained was only 160 degree Celsius during RIP operation with closed RPV. Thermal expansion or thermal stratification measurement will be made mainly in start-up test. At this stage, only vibration measurements were made. Since Taipower is a public utility, we do not expect any problem to share test data or test procedures with NRC. However, most of the test procedures were prepared by Taipower not by vendors due to contract dispute between Taipower and GEH/S&W. Hence, they are in Chinese not in English."

Thank you and I look forward to the meetings in May.

Danielle

From: Hsia, Anthony
Sent: Monday, February 28, 2011 4:19 PM
To: Rosales-Cooper, Cindy; Emche, Danielle; Tabatabai, Omid

Cc: Chen, Pei-Ying; Hsu, Kaihwa; Wong, Yuken; Dixon-Herrity, Jennifer; Law, Yiu; Li, Yueh-Li; Spicher, Terri

Subject: questions for the meeting with Taiwanese AEC on 3/11

The following are examples of specific questions EMB staff is interested in asking the reps from Taiwanese AEC during our scheduled meeting on 3/11.

- Was reactor internals post preoperational test inspection performed for Lungmen and what were the inspection results?
- Was piping vibration measurement performed during preoperational testing?
- What piping systems will be included in the startup test vibration, thermal expansion and thermal stratification measurement program?
- Will all piping measurements be made remotely?
- Can sample startup piping measurement procedures be shared with the NRC?
- Does the seismic ground motion for Lungmen Station contain Hard Rock High Frequency (HRHF) excitations?
- If it does, how the seismic qualification of mechanical and electrical equipment was accomplished? Please provide details.

Please forward them to those reps from Taiwanese AEC scheduled to be at the meeting. I believe these should help in preparation for the meeting.

Tony Hsia
Chief, Engineering Mechanics Branch 1
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Office of New Reactors
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301-415-6933

Hearing Identifier: SouthTexas34NonPublic_EX
Email Number: 4011

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From: Tai, Tom

Created By: Tom.Tai@nrc.gov

Recipients:

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Options

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