

PMSTPCOL PEmails

From: Foster, Rocky
Sent: Tuesday, May 31, 2011 5:16 AM
To: Hawkins, Kimberly; Chakrabarti, Samir
Cc: STPCOL; Wunder, George
Subject: FW: Fuel Rack RAI response schedule

Kimberly & Samir,

Enclosed is NINA's RAI response schedule for RAI letter 377 dated May 9, 2011 on the fuel rack structural analysis. Let's plan on getting together in the near future to discuss impact on your review schedule and delivery of the SE. Please advise on your availability to discuss.

Thanks,

Rocky

From: Agles, James [<mailto:jaagles@STPEGS.COM>]
Sent: Thursday, May 26, 2011 4:03 PM
To: Foster, Rocky
Cc: Tonacci, Mark; Wunder, George
Subject: Fuel Rack RAI response schedule

Good afternoon Rocky,

As discussed with you on May 4, 2011, at the closed meeting on the New and Spent Fuel Racks, NINA is providing the following RAI response schedule.

This schedule is based on development of a departure to delete the installation/use of new fuel racks at STP 3 & 4.

The response date of September 15 also corresponds to the submittal date of the revised WCAP for the spent fuel racks.

Regards,

Jim

RAI Number and Description	Response Date
RAI 09.01.02-2 - Descriptive Information	
a. sketches	June 23
b. gaps & tolerances	September 15
c. ASTM & material types/properties	June 23
d. NFR/SFR permanently installed?	June 23
e. NFR/SFR connection between cell walls	June 23
f. NFR Anchor to floor?	June 23

g. SFR # & locations of support feet	June 23
h. explain neutron absorber placement	June 23
i. types of welds	June 23
RAI 09.01.02-3 - Loads & load combinations	
a. NFR/SFR forces and stresses	September 15
b. NFR/SFR values of To and Ta	June 23
c. stuck fuel assembly	June 23
RAI 09.01.02-4 - Fuel Drop Analyses	
(all)	August 5
RAI 09.01.02-5 - Modeling & Analysis	
a. NFR modeling of fuel to baseplate	June 23
b. NFR/SFR explain horizontal line in ANSYS model	June 23
c. SFR impact stiffness & sensitivity analysis	September 15
d. SFR pipe elements in modeling connections	June 23
e. SFR fluid to structure interaction	June 23
f. SFR Non-linear time history SSE analysis & sensitivity study	June 23
g. NFR/SFR modeling, how was stiffness & damping determined	September 15
h. NFR/SFR modeling of support legs	June 23
i. SFR modeling of side-bars	September 15
j. SFR tech basis of friction coefficients used	September 15
k. NFR/SFR how three directions of motion are applied & combined	June 23
l. NFR/SFR modeling of welds	June 23
m. benchmarking of simplified rack models	September 15
n. NFR/SFR discuss various fuel loading scenarios considered	September 15
o. NFR/SFR validation of computer codes & compliance w/SRP 3.8.1	June 23
RAI 09.01.02-6 - More Info On Design Checks	
a. NFR explain 0.707 factor for weld stresses	June 23
b. SFR provide additional seismic analyses	September 15
c. SFR cell wall and support plate stresses & tech basis	September 15
d. SFR methodology for critical buckling stress.	September 15
e. punching shear analysis for baseplate above a support leg	September 15
f. NFR fuel to cell wall impact load	June 23
RAI 09.01.02-7 Provide info regarding materials, QC, & ISI	
(all)	June 23
RAI 09.01.02-8 Provide info regarding thermal stress eval	
(all)	June 23
RAI 09.01.02-9 - Additional Info about Seismic Loading	
a. confirm 3 synthetic time histories	June 23
b. provide figs comparing damped spectra from TH to target spectra	June 23
c. describe how PSDs were developed	June 23
d. explain the process to develop TH and the basis	June 23
e. explain the term “baseline corrected.”	June 23
f. clarify & explain plots of baseline corrected displacement TH	June 23

Hearing Identifier: SouthTexas34Public_EX
Email Number: 2880

Mail Envelope Properties (26E42474DB238C408C94990815A02F095FA46B859D)

Subject: FW: Fuel Rack RAI response schedule
Sent Date: 5/31/2011 5:16:28 AM
Received Date: 5/31/2011 5:16:29 AM
From: Foster, Rocky

Created By: Rocky.Foster@nrc.gov

Recipients:

"STPCOL" <STP.COL@nrc.gov>

Tracking Status: None

"Wunder, George" <George.Wunder@nrc.gov>

Tracking Status: None

"Hawkins, Kimberly" <Kimberly.Hawkins@nrc.gov>

Tracking Status: None

"Chakrabarti, Samir" <Samir.Chakrabarti@nrc.gov>

Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	Size	Date & Time
MESSAGE	3805	5/31/2011 5:16:29 AM

Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received: