

PMNorthAnna3COLNPEmails Resource

From: Andrea Johnson
Sent: Wednesday, April 09, 2008 2:10 PM
To: 'Tony.Banks@dom.com'; 'Gina Borsh'
Cc: Christopher Cook; Thomas Kevern; Mohammed Shuaibi; NorthAnna3COL Resource
Subject: RE: Fwd: NRC - North Anna hydro safety visit
Attachments: NA_Hydro_Safety_Info_Needs.pdf

Tony, please use the attached, updated, list. Thank you.

-----Original Message-----

From: Andrea Johnson
Sent: Tuesday, April 08, 2008 9:45 AM
To: 'Tony.Banks@dom.com'; 'Gina Borsh'
Cc: Christopher Cook; Thomas Kevern; Mohammed Shuaibi; NorthAnna3COL Resource
Subject: RE: Fwd: NRC - North Anna hydro safety visit

Attached please find our list of "information needs" for the audit this week. We will see you Thursday.

Thank you.

Andrea M. Johnson
Project Manager
U.S. Nuclear Regulatory Commission
Office of New Reactors
Division of New Reactor Licensing
NGE1 Projects Branch

-----Original Message-----

From: Andrea Johnson
Sent: Tuesday, March 18, 2008 1:00 PM
To: Tony.Banks@dom.com
Cc: Gina Borsh; Christopher Cook; Thomas Kevern
Subject: Re: Fwd: NRC - North Anna hydro safety visit

Tony, we are working on a list of "information needs" now. We plan to discuss in general terms what we want to look at during the Thursday morning telcon (3/20). Hopefully, at that time, we can confirm the location of the visit.

Thanks

Andrea M. Johnson
Project Manager
U.S. Nuclear Regulatory Commission
Office of New Reactors
Division of New Reactor Licensing
NGE1 Projects Branch

>>> <Tony.Banks@dom.com> 3/17/2008 1:27:20 PM >>>

Andrea - Gina and I discussed the visit agenda subjects and location - no problem with subject matter or meeting at either location (NA or Frederick). I was waiting to decide on location until we received some specific subject matter "questions" from Chris. Would you like a call to discuss or would another call from Chris to me suffice? Just let Gina or me know - thanks. We'll pull the appropriate SMEs together for those April 10/11 groundwater/surface water discussions based on the specific needs.

Tony
804/273-2170

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Hearing Identifier: NorthAnna3_NonPublic_EX
Email Number: 362

Mail Envelope Properties (CEEA97CC21430049B821E684512F6E5E60183D23E8)

Subject: RE: Fwd: NRC - North Anna hydro safety visit
Sent Date: 4/9/2008 2:10:23 PM
Received Date: 4/9/2008 2:10:25 PM
From: Andrea Johnson

Created By: Andrea.Johnson@nrc.gov

Recipients:

"Christopher Cook" <Christopher.Cook@nrc.gov>
Tracking Status: None
"Thomas Kevern" <Thomas.Kevern@nrc.gov>
Tracking Status: None
"Mohammed Shuaibi" <Mohammed.Shuaibi@nrc.gov>
Tracking Status: None
"NorthAnna3COL Resource" <NorthAnna3COL.Resource@nrc.gov>
Tracking Status: None
"Tony.Banks@dom.com" <Tony.Banks@dom.com>
Tracking Status: None
"Gina Borsh" <Regina.Borsh@dom.com>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	Size	Date & Time
MESSAGE	2617	4/9/2008 2:10:25 PM
NA_Hydro_Safety_Info_Needs.pdf		22297

Options

Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

**Information Needs
North Anna Unit 3: Hydrology Safety Audit**

**April 10-11, 2008
Frederick, MD**

Info needs #	Hydrology: Information Needs
	Surface Water (FSAR 2.4.2 & 2.4.10)
SW-1	Calculation package(s) associated with values presented in these sections. SME to discuss HEC-RAS simulations.
	Groundwater (FSAR 2.4.12)
GW-1	Groundwater monitoring data since May 2007.
GW-2	SME to discuss hydrostatic loading.
GW-3	Boring logs and well construction logs.
GW-4	Cross sections based on boring and well logs. Cross sections showing borings along the assumed groundwater flow path from the accidental release location (FSAR 2.4.13) to Lake Anna
GW-5	Maps showing: <ul style="list-style-type: none"> • Locations of borings and wells. • Bedrock geology of site. • Measured groundwater levels, groundwater level contours, elevations of surface water bodies, and inferred groundwater flow directions. Maps are not needed for all dates; a few representative dates will be enough.
GW-6	SME to discuss plans and procedures for monitoring groundwater levels during and after construction.
GW-7	SME to discuss MODFLOW modeling, including assumptions, input values, and results.
	Accidental Releases (FSAR 2.4.13)
AR-1	SME to discuss batch adsorption experiments used in 2.4.13.1.3.
AR-2	Calculations representing transport of radionuclides in groundwater from the release location to Lake Anna. SME to discuss assumptions on which these calculations are based.
AR-3	Modeling of radionuclide transport in groundwater based using model(s) from NUREG-0868 (see FSAR, p. 2-152). SME to discuss assumptions on which these calculations are based.
AR-4	Maps showing the drainage pathway assumed in analysis of surface water radionuclide transport following a release
AR-5	Calculations representing transport of radionuclides in surface water from the release location to Lake Anna. SME to discuss assumptions on which these calculations are based.
AR-6	Dilution analysis of accidental radionuclide release to surface water. SME to discuss assumptions on which these calculations are based.