

PMSTPCOL PEmails

From: Foster, Rocky
Sent: Tuesday, June 25, 2013 3:39 AM
To: 'rhscheide@ninallc.net'; 'leelton@ninallc.net'
Cc: STPCOL
Subject: FW: ML13171A270 - Request for Additional Information Letter No. 427 Related To SRP Section 01.05 For The Nuclear Innovation North America, LLC Combined License Application
Attachments: ML13171A270.pdf

Dick,

Here's the 3rd of 5 RAI letters for the Fukushima Mitigative Strategies.

Thanks,

Rocky

From: Keith, Felicia
Sent: Monday, June 24, 2013 3:30 PM
To: NRO_DNRL_LB3 Distribution; RidsNroDnrILb3 Resource; RidsNrrDeEeeb Resource; Kang, Peter; Mathew, Roy
Subject: ML13171A270 - Request for Additional Information Letter No. 427 Related To SRP Section 01.05 For The Nuclear Innovation North America, LLC Combined License Application

TO: Scott Head

FROM: Rock Foster

DATE: June 24, 2013

ADAMS Accession No.: M113171A270

[View ADAMS P8 Properties ML13171A270](#)

[Open ADAMS P8 Document \(Request for Additional Information Letter 427 Related To SRP Section 01.05 For The Nuclear Innovation North America, LLC Combined License Application.\)](#)

Hearing Identifier: SouthTexas34Public_EX
Email Number: 3627

Mail Envelope Properties (26E42474DB238C408C94990815A02F09D22F847272)

Subject: FW: ML13171A270 - Request for Additional Information Letter No. 427 Related To SRP Section 01.05 For The Nuclear Innovation North America, LLC Combined License Application
Sent Date: 6/25/2013 3:39:18 AM
Received Date: 6/25/2013 3:39:19 AM
From: Foster, Rocky

Created By: Rocky.Foster@nrc.gov

Recipients:
"STPCOL" <STP.COL@nrc.gov>
Tracking Status: None
"rhscheide@ninallc.net" <rhscheide@ninallc.net>
Tracking Status: None
"leelton@ninallc.net" <leelton@ninallc.net>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	Size	Date & Time
MESSAGE	1200	6/25/2013 3:39:19 AM
ML13171A270.pdf	88526	

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

June 24, 2013

Mr. Scott Head, Manager
Regulatory Affairs
STP Units 3 & 4
Nuclear Innovation North America, LLC
122 West Way, Suite 405
Lake Jackson, TX 77566

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 427 RELATED TO
SRP SECTION 01.05 FOR THE NUCLEAR INNOVATION NORTH AMERICA,
LLC COMBINED LICENSE APPLICATION

Dear Mr. Head:

By letter dated September 20, 2007, South Texas Project (STP) submitted for approval a combined license application pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR) Part 52. The U.S. Nuclear Regulatory Commission (NRC) staff is performing a detailed review of this application to enable the staff to reach a conclusion on the safety of the proposed application.

The NRC staff has identified that additional information is needed to continue portions of the review. The staff's request for additional information (RAI) is contained in the enclosure to this letter.

To support the review schedule, you are requested to respond within **30** days of the date of this letter. If changes are needed to the safety analysis report, the staff requests that the RAI response include the proposed wording changes.

S. Head

- 2 -

If you have any questions or comments concerning this matter, I can be reached at 301-415-5787 or by e-mail at rocky.foster@nrc.gov or you may contact George Wunder at 301-415-1494 or george.wunder@nrc.gov.

Sincerely,

/RA/

Rocky D. Foster, Project Manager
Licensing Branch 3
Division of New Reactor Licensing
Office of New Reactors

Docket Nos.: 52-012
52-013

eRAI Tracking No.: 7152

Enclosure:
Request for Additional Information

cc: William Mookhoek
Richard Scheide
Loree Elton

S. Head

- 2 -

If you have any questions or comments concerning this matter, I can be reached at 301-415-5787 or by e-mail at rocky.foster@nrc.gov or you may contact George Wunder at 301-415-1494 or george.wunder@nrc.gov.

Sincerely,

/RA/

Rocky D. Foster, Project Manager
Licensing Branch 3
Division of New Reactor Licensing
Office of New Reactors

Docket Nos.: 52-012
52-013

eRAI Tracking No.: 7152

Enclosure:
Request for Additional Information

cc: William Mookhoek
Richard Scheide
Loree Elton

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ADAMS ACCESSION NO.: ML13171A270

NRO-002

OFFICE	TR:NRR/DE/EEB	BC:NRR/DE/EEB	LA:DNRL/LB3	LPM:DNRL/LB3	PM:DNRL/LB3
NAME	PKang*	RMathew*	SGreen	GWunder (Ttai for)	RFoster
DATE	06/11/2013	06/11/2013	06/20/2013	06/24/2013	06/20/2013

*Approval captured electronically in the electronic RAI system.

OFFICIAL RECORD COPY

Request for Additional Information 427

Issue Date: 6/20/2013

Application Title: South Texas Project Units 3 and 4 - Dockets 52-012 and 52-013

Operating Company: South Texas Project Nuclear Operating Co

Docket No. 52-012 and 52-013

Review Section: 01.05 - Other Regulatory Considerations

Application Section: 01.05

QUESTIONS

01.05-13

In regards to the response to RAI 01.05-5, the staff reviewed the applicant's response and determined that the response is insufficient to completely address the staff's concerns. The NRC staff needs sufficient information in order to reach a safety conclusion within the COLA review. The applicant should address the specific provisions in Interim Staff Guidance (ISG) JLD-ISG-2012-01, "Compliance with Order EA-12-049, Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," (ML12229A174) dated August 29, 2012 that endorses the Nuclear Energy Institute (NEI) 12-06, "Diverse and Flexible Coping Strategies (FLEX) Implementation Guide". The ISG provides an acceptable method for satisfying Order EA-12-049. As stated in the ISG, other methods may be used to satisfy Order EA-12-049, but these methods will be reviewed by the NRC staff on a case-by-case basis to determine their acceptability. If the applicant proposes to use methods that differ from those in the ISG and endorsed guidance, the applicant should explain why these alternative methods are acceptable. Examples where additional information is needed include the following:

1. In STP 3&4 ABWR Flex Integrated Plan for extending loss of ac power (ELAP) event, the plan includes Class 1E 125v dc power that is available for remote shutdown instrumentation following a deep load shedding and divisional cross-connection strategy. The plan also referenced dc bus stripping calculation entitled, "Extended Station Blackout Scenario," to length battery life performed by DP Engineering, August 2012. The staff needs to review the dc load shedding analysis for its analytical methods, key assumptions, and results that determined the battery discharge duration can be extended for Flex Phase 1 and 2. Provide the dc load shedding profile that identifies all equipment based on its actual expected operation times, and its cell voltages (i.e., voltage vs. time curve) for the above duration.
2. After 36 hours, Phase 3 begins with core cooling provided by ACIWA (ac independent water addition) and operators would need to transfer diesel fuel from one of the three EDG fuel oil storage tanks to the ACIWA fuel storage tank and to add portable diesel generators. The Plan includes addition of two flex 480v 1500 kW diesel generators from offsite to provide ac power for battery charger operation, limited ventilation system operation, and other limited uses. In order to ensure the generator(s) has adequate capacity and capability, provide all electrical loads that will be connected and identify any additional onsite electrical distribution system modifications (temporary or permanent) to accommodate addition of the diesel generators under Phase 3.

Enclosure

Enclosure