

PMLevyCOLPEm Resource

From: Spicher, Terri
Sent: Wednesday, March 17, 2010 3:25 PM
To: Spicher, Terri; RidsNroDnrlNwe1 Resource; RidsNroLAKGoldstein Resource; RidsOgcMailCenter Resource; RidsAcrsAcnw_MailCTR Resource; RidsRgn2MailCenter Resource; Hughes, Brian; Simms, Tanya; Anderson, Brian; Comar, Manny; Joshi, Ravindra; Goetz, Sujata; Habib, Donald; Sebrosky, Joseph; Martin, Jody; Thomas, Brian; Galletta, Thomas; Thomas, Vaughn; Park, Sunwoo; Patel, Pravin; Ma, John; robert.kitchen@pgnmail.com; david.waters@pgnmail.com; tillie.wilkins@pgnmail.com
Cc: LevyCOL Resource
Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 087 RELATED TO SRP SECTION 3.7.1 FOR THE LEVY COUNTY NUCLEAR PLANT, UNITS 1 and 2 COMBINED LICENSE APPLICATION
Attachments: Levy-RAI-LTR-87.pdf

Attached is RAI Letter No. 087 related to SRP Section 3.7.1, Seismic Design Parameters, for the Levy County Units 1 and 2 combined license application. The ADAMS Accession number is ML100760559.

Terri Spicher

Project Manager
Office of New Reactors
U.S. Nuclear Regulatory Commission
301.415.1670

Hearing Identifier: Levy_County_COL_Public
Email Number: 618

Mail Envelope Properties (AF843158D8D87443918BD3AA953ABF780CD215E385)

Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 087 RELATED TO
SRP SECTION 3.7.1 FOR THE LEVY COUNTY NUCLEAR PLANT, UNITS 1 and 2 COMBINED
LICENSE APPLICATION

Sent Date: 3/17/2010 3:25:06 PM

Received Date: 3/17/2010 3:25:03 PM

From: Spicher, Terri

Created By: Terri.Spicher@nrc.gov

Recipients:

"LevyCOL Resource" <LevyCOL.Resource@nrc.gov>

Tracking Status: None

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Tracking Status: None

"RidsNroDnrINwe1 Resource" <RidsNroDnrINwe1.Resource@nrc.gov>

Tracking Status: None

"RidsNroLAKGoldstein Resource" <RidsNroLAKGoldstein.Resource@nrc.gov>

Tracking Status: None

"RidsOgcMailCenter Resource" <RidsOgcMailCenter.Resource@nrc.gov>

Tracking Status: None

"RidsAcrcAcnw_MailCTR Resource" <RidsAcrcAcnw_MailCTR.Resource@nrc.gov>

Tracking Status: None

"RidsRgn2MailCenter Resource" <RidsRgn2MailCenter.Resource@nrc.gov>

Tracking Status: None

"Hughes, Brian" <Brian.Hughes@nrc.gov>

Tracking Status: None

"Simms, Tanya" <Tanya.Simms@nrc.gov>

Tracking Status: None

"Anderson, Brian" <Brian.Anderson@nrc.gov>

Tracking Status: None

"Comar, Manny" <Manny.Comar@nrc.gov>

Tracking Status: None

"Joshi, Ravindra" <Ravindra.Joshi@nrc.gov>

Tracking Status: None

"Goetz, Sujata" <Sujata.Goetz@nrc.gov>

Tracking Status: None

"Habib, Donald" <Donald.Habib@nrc.gov>

Tracking Status: None

"Sebrosky, Joseph" <Joseph.Sebrosky@nrc.gov>

Tracking Status: None

"Martin, Jody" <Jody.Martin@nrc.gov>

Tracking Status: None

"Thomas, Brian" <Brian.Thomas@nrc.gov>

Tracking Status: None

"Galletta, Thomas" <Thomas.Galletta@nrc.gov>

Tracking Status: None

"Thomas, Vaughn" <Vaughn.Thomas@nrc.gov>

Tracking Status: None

"Park, Sunwoo" <Sunwoo.Park@nrc.gov>

Tracking Status: None
"Patel, Pravin" <Pravin.Patel@nrc.gov>
Tracking Status: None
"Ma, John" <John.Ma@nrc.gov>
Tracking Status: None
"robert.kitchen@pgnmail.com" <robert.kitchen@pgnmail.com>
Tracking Status: None
"david.waters@pgnmail.com" <david.waters@pgnmail.com>
Tracking Status: None
"tillie.wilkins@pgnmail.com" <tillie.wilkins@pgnmail.com>
Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

Files	Size	Date & Time
MESSAGE	332	3/17/2010 3:25:03 PM
Levy-RAI-LTR-87.pdf	192187	

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

LevyCountyRAIsPEm Resource

From: Spicher, Terri
Sent: Wednesday, March 17, 2010 2:58 PM
To: LevyCountyRAIsPEm Resource
Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 087 RELATED TO SRP SECTION 3.7.1 FOR THE LEVY COUNTY NUCLEAR PLANT, UNITS 1 and 2 COMBINED LICENSE APPLICATION
Attachments: LC RAI SRP 3.7.2 on 3.17.10.doc

Terri Spicher
Project Manager
Office of New Reactors
U.S. Nuclear Regulatory Commission
301.415.1670

Hearing Identifier: Levy_County_COL_eRAIs
Email Number: 87

Mail Envelope Properties (AF843158D8D87443918BD3AA953ABF780CD215E362)

Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 087 RELATED TO SRP SECTION 3.7.1 FOR THE LEVY COUNTY NUCLEAR PLANT, UNITS 1 and 2 COMBINED LICENSE APPLICATION

Sent Date: 3/17/2010 2:58:12 PM

Received Date: 3/17/2010 2:58:08 PM

From: Spicher, Terri

Created By: Terri.Spicher@nrc.gov

Recipients:

"LevyCountyRAIsPEm Resource" <LevyCountyRAIsPEm.Resource@nrc.gov>

Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

Files	Size	Date & Time
MESSAGE	124	3/17/2010 2:58:08 PM
LC RAI SRP 3.7.2 on 3.17.10.doc		60410

Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received:

March 17, 2010

Mr. Garry Miller
General Manager, Nuclear Plant Development
Progress Energy Florida, Inc.
PO Box 1551
411 Fayetteville Street Mall
Raleigh, NC 27602

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 087 RELATED TO
SRP SECTION 3.7.1 FOR THE LEVY COUNTY NUCLEAR PLANT, UNITS 1
and 2 COMBINED LICENSE APPLICATION

Dear Mr. Miller:

By letter dated July 28, 2008, as supplemented by a letter dated September 12, 2008, Progress Energy Florida, Inc. submitted its application to the U. S. Nuclear Regulatory Commission (NRC) for a combined license (COL) for two AP1000 advanced passive pressurized water reactors pursuant to 10 CFR Part 52. The 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 final safety analysis report, the staff requests that the RAI response include the proposed wording changes.

If you have any questions or comments concerning this matter, you may contact me at 301-415-1670 or you may contact Brian Anderson, the lead project manager for the Levy County Nuclear Plant Units 1 and 2 combined license application at 301-415-9967.

Sincerely,

/RA/

Terri Spicher, Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-029
52-030

eRAI Tracking No. 4361

Enclosure:
Request for Additional Information

If you have any questions or comments concerning this matter, you may contact me at 301-415-1670 or you may contact Brian Anderson, the lead project manager for the Levy County Nuclear Plant Units 1 and 2 combined license application at 301-415-9967.

Sincerely,

/RA/

Terri Spicher, Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-029
52-030

eRAI Tracking No. 4361

Enclosure:
Request for Additional Information

Distribution:

Public	TSimms	BThomas	
RidsNroDnrINwe1	JSebrosky	SGoetz	PPatel
RidsNroLAKGoldstein	BHughes	DHabib	SPark
RidsOgcMailCenter	MComar	JMartin	JMa
RidsAcrsAcnw_MailCenter	DMcGovern	TSpicher	VThomas
RidsRgn2MailCenter	RJoshi	BAnderson	JMartin

NRO-002

OFFICE	SEB1/BC	NWE1/PM	NWE1/L-PM
NAME	BThomas *	*TSpicher	*BAnderson
DATE	02/17/10	02/19/10	03/09/10

*Approval captured electronically in the electronic RAI system.

OFFICIAL RECORD COPY

**Request for Additional Information
Levy County, Units 1 and 2
Progress Energy Florida, Inc.
Docket No. 52-029 and 52-030
SRP Section: 03.07.01 - Seismic Design Parameters
Application Section: 3.7.1**

QUESTIONS for Structural Engineering Branch 1 (AP1000/EPR Projects) (SEB1)

03.07.01-2

In the applicant's response to Question 03.07.01-1 of RAI 2318 (NRC Letter No. 046), the applicant describes the approach used to develop revised site specific seismic ground motions (response spectra). These analyses include engineered fill as part of the soil columns used to develop the ground surface spectra. However, it is not clear from the discussion what the extent of the changes to the site (excavation and placement of engineered fill) are planned and if these changes are to such an extent as to affect the seismic ground motion. Thus, the staff is requesting the applicant to provide information regarding the extent of planned excavation and placement of engineered backfill and an assessment of whether these changes are sufficiently extensive such that the surface ground motion would be modified. Additionally, please provide a discussion that summarizes the planned construction sequence of removal of near surface soils, placement of engineered fill, drilled shaft installation for adjacent structures, construction of the diaphragm wall, and excavation of soil material beneath the NI structures as it relates to potentially changing the ground motion as is inferred by incorporating the engineered fill in the SSI soil columns.