



Serial: NPD-NRC-2011-037
May 2, 2011

10 CFR 52.79

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555-0001

**LEVY NUCLEAR PLANT, UNITS 1 AND 2
DOCKET NOS. 52-029 AND 52-030**

**RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION LETTER NO.103 REQUEST
FOR MODFLOW INPUT FILES**

Reference: Letter from Bruce Bovol (NRC) to John Elnitsky (PEF), dated April 18, 2011,
"Request for Additional Information Letter No. 103 Related to SRP Section 2.4.12
for the Levy County Nuclear Plant, Units 1 and 2 Combined License Application"

Ladies and Gentlemen:

Progress Energy Florida, Inc. (PEF) hereby submits our response to the Nuclear Regulatory Commission's (NRC) request for additional information provided in the referenced letter.

The information contained in the files on the attached discs are provided to support the NRC's review of the LNP COL application but do not comply with the requirements for electronic submission. The NRC staff requested the files be submitted in native formats, required for utilization in the software employed to support the COL application development. PEF understands that converting the information to PDF output files would not serve the underlying purpose of the submittal; i.e., to provide the raw, unprocessed data to enable reviewers to evaluate software used in the LNP application.

If you have any further questions, or need additional information, please contact Bob Kitchen at (919) 546-6992, or me at (727) 820-4481.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on May 2, 2011.

Sincerely,

A handwritten signature in black ink, appearing to read 'John Elnitsky', written over a horizontal line.

John Elnitsky
Vice President
New Generation Programs & Projects

Enclosure\Attachment

cc : U.S. NRC Region II, Regional Administrator (w/o discs attached)
Mr. Brian C. Anderson, U.S. NRC Project Manager (with 2 sets of discs attached)

DO94
NRO

**Levy Nuclear Plant Units 1 and 2
Response to NRC Request for Additional Information Letter No. 103 Related to
SRP Section 2.4.12 for the Combined License Application, dated April 18, 2011**

<u>NRC RAI #</u>	<u>Progress Energy RAI #</u>	<u>Progress Energy Response</u>
02.04.12-26	L-0934	Response enclosed – see following pages

NRC Letter No.: LNP-RAI-LTR-103

NRC Letter Date: April 18, 2011

NRC Review of Final Safety Analysis Report

NRC RAI NUMBER: 02.04.12-26

Text of NRC RAI:

To satisfy the requirements of 10 CFR 52.79(a)(1)(iii), 10 CFR 100.20(c), 10 CFR 100.21(d), and GDC 2, additional information is required regarding maximum post-construction groundwater elevations in areas near the SSCs. In a March 15, 2011 letter to NRC, the applicant provided a response to RAI 02.04.12-25 regarding the groundwater elevation estimation. In order to complete confirmatory analyses related to this RAI response, the NRC requests that the applicant provide the MODFLOW input files used in the evaluation of maximum post-construction groundwater elevations in the areas between SSCs and the surrounding storm water drainage ditches.

PGN RAI ID #: L-0934

PGN Response to NRC RAI:

Progress Energy's response to NRC's comments is provided as follows:

The information contained in the files on the attached discs provide the information requested to support the NRC's review of the LNP COL application but do not comply with the requirements for electronic submission. The NRC staff requested the files be submitted in their native formats, required for utilization in the software employed to support the COL application development. PEF understands that converting the information to PDF output files would not serve the underlying purpose of the submittal; (i.e., to provide the raw, unprocessed data to enable reviewers to evaluate software used in the LNP application).

The MODFLOW input and output files are provided on the attached discs. The Groundwater Vistas file, which can be used to execute the MODFLOW input files, if Groundwater Vistas is installed, is also provided on the attached discs. If Groundwater Vistas is not installed, the MODFLOW input files can be executed using the MODFLOW executable available on the USGS website. A list of the files on the discs is enclosed.

Associated LNP COL Application Revisions:

None

Attachments/Enclosures:

A set of four discs.

Electronic Files Contained on Attachment to NPD-NRC-2011-037

Base Model (Disc 1 of 2)

gv27.bas
gv27.cbb
gv27.cbw
gv27.chd
gv27.crc
gv27.ddn
gv27.dis
gv27.drn
gv27.ghb
gv27.glo
gv27.hds
gv27.lpf

Sensitivity Model (Disc 1 of 2)

gv27.bas
gv27.cbb
gv27.cbw
gv27.chd
gv27.crc
gv27.ddn
gv27.dis
gv27.drn
gv27.ghb
gv27.glo
gv27.hds
gv27.lpf

Base Model (Disc 2 of 2)

gv27.lst
gv27.mf2
gv27.nam
gv27.oc
gv27.pcg
gv27.rch
gv27.riv
gv27.wel
gv27.zone
mf2k.in
mf2k.nam
modflow.err
LNP 022211.gvw

Sensitivity Model (Disc 1 of 2)

gv27.lst
gv27.mf2
gv27.nam
gv27.oc
gv27.pcg
gv27.rch
gv27.riv
gv27.wel
gv27.zone
mf2k.in
mf2k.nam
modflow.err
LNP 022211_Sens1_InitialHeads.gvw