



Serial: NPD-NRC-2009-074  
April 17, 2009

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

**LEVY NUCLEAR POWER PLANT, UNITS 1 AND 2  
DOCKET NOS. 52-029 AND 52-030  
SUPPLEMENTAL METEOROLOGICAL DATA IN SUPPORT OF COMBINED LICENSE  
APPLICATION – TWO YEAR CHI OVER Q DATA**

Reference: NPD-NRC-2009-036, dated March 17, 2009, Supplemental Meteorological Data in Support of Combined License Application – Second Year of Data

Ladies and Gentlemen:

In the referenced letter, Progress Energy Florida, Inc. (PEF) provided a second year of meteorological data for the Levy site to supplement the data provided in the combined license application for the Levy Nuclear Power Plant Units 1 and 2. With this letter, PEF hereby submits the atmospheric dispersion data (Chi over Q data) based on the 2-year period from February 1, 2007 through January 31, 2009.

The attached CD-ROM contains the following files:

- XOQDOQ Calculation Input/Output ASCII text data files.
- The same XOQDOQ files provided in an electronic submittal-ready "pdf" format. The "pdf" file passes electronic submittal guidelines, including preflight.
- Draft Revision 1 to Environmental Report Tables 2.7-58 through 2.7-61, long-term X/Q calculations for February 1, 2007 – January 31, 2009, which will be submitted in a future COLA revision. This file is also provided in an electronic submittal ready "pdf" format. The "pdf" file passes electronic submittal guidelines, including preflight.

Enclosure 1 provides a list of the files included on the CD-ROM, which is provided as Attachment 1.

If you have questions, please contact Bob Kitchen at (919) 546-6992 or me at (919) 546-6107.

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

Executed on April 17, 2009.

Sincerely,

Garry D. Miller  
General Manager  
Nuclear Plant Development

Progress Energy Carolinas, Inc.  
P.O. Box 1551  
Raleigh, NC 27602

DO94  
NRW

Enclosure and Attachment

cc : U.S. NRC Director, Office of New Reactors/NRLPO (w/o Attachment)  
U.S. NRC Office of Nuclear Reactor Regulation/NRLPO (w/o Attachment)  
U.S. NRC Region II, Regional Administrator (w/o Attachment)  
Mr. Brian C. Anderson, U.S. NRC Project Manager (w/o Attachment)  
Mr. Douglas Bruner, U.S. NRC Environmental Project Manager (4 copies w/ Attachment)

The following files are provided on the Attachment 1 CD-ROM:

<u>File Name</u>	<u>Description</u>
001_LEVY0207.0109.IN2.txt	XOQDOQ Input file for the period February 1, 2007 – January 31, 2009 in ASCII text data format
002_LEVY0207.0109.OUT2.txt	XOQDOQ Output file for the period February 1, 2007 – January 31, 2009 in ASCII text data format
003_LEVY0207.0109.IN2.pdf	Same data as the previous XOQDOQ Input file for the period February 1, 2007 – January 31, 2009 provided in an electronic submittal-ready “pdf” format. The preflight report follows this description.
004_LEVY0207.0109.OUT2.pdf	Same data as the previous XOQDOQ Output file for the period February 1, 2007 – January 31, 2009 provided in an electronic submittal-ready “pdf” format. The preflight report follows this description.
005_LNP_ER_CHAP02.07_TABLES_DRAFT_REV1.pdf	Draft Revision 1 of Environmental Report Tables 2.7-58 through 2.7-61, long-term X/Q calculations for February 1, 2007 – January 31, 2009, which will be submitted in a future COLA revision. This file is also provided in an electronic submittal-ready “pdf” format. The preflight report follows this description.

#### PREFLIGHT REPORT: LEVY – 2-YEAR CHI OVER Q DATA

This table serves as a preflight report for the LNP Supplemental Meteorological 2-Year Chi Over Q Data submittal in support of the LNP COLA. The following files were checked for items related to preflight/electronic submittal acceptance. The results of the review are shown below; the files within this submittal are deemed compliant with the NRC electronic submittal checklist as noted below.

Item #	File Name	Acceptance Review			Preflight Review		
		Word Searchable? (Y/N)	Fast Web View? (Y/N)	Fonts Embedded? (Y/N)	Preflight (Pass/Fail)	Failure Reason	Comments
1	003_LEVY0207.0109.IN2.pdf	Y	Y	Y	PASS	N/A	N/A
2	004_LEVY0207.0109.OUT2.pdf	Y	Y	Y	PASS	N/A	N/A
3	005_LNP_ER_CHAP02.07_TABLES_DRAFT_REV1.pdf	Y	Y	Y	PASS	N/A	N/A