



Serial: NPD-NRC-2009-150
July 17, 2009

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

**LEVY NUCLEAR POWER PLANT UNITS 1 AND 2
NRC DOCKET NOS. 52-029 AND 52-030
RESPONSE TO SUPPLEMENTAL REQUEST FOR ADDITIONAL INFORMATION
REGARDING THE ENVIRONMENTAL REVIEW – NATIVE FIGURE FILES**

Reference: Letter from Douglas Bruner (NRC) to James Scarola (Progress Energy), dated June 23, 2009, "Supplemental Request for Additional Information Regarding the Environmental Review of the Combined License Application for the Levy Nuclear Power Plant Units 1 and 2"

Ladies and Gentlemen:

Progress Energy Florida, Inc. (PEF) hereby submits our response to the Nuclear Regulatory Commission's (NRC) supplemental request for native files for figures noted in Request for Additional Information (RAI) General – 1 per the referenced letter.

The supplemental information contained in the files on the attached DVDs is provided to support the NRC's review of the LNP application but does not comply with the requirements for electronic submission in the NRC Guidance Document. The NRC staff requested the files be submitted in their native formats for utilization by their GIS experts and graphic specialists.

Enclosure 1 provides our response to the RAI and describes the figure files that are included on the attached set of DVDs. The attached set of seven DVDs includes six DVDs with native and associated graphic files. Disc 7 of 7 provides color and black-and-white figures as requested.

If you have any questions, or need additional information, 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 July 17, 2009.

Sincerely,

A handwritten signature in black ink that reads "Garry D. Miller".

Garry D. Miller
Manager – Nuclear Plant Development

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

DD94
NRC

Enclosure/Attachments

cc (w/2 sets of attached DVDs):

Mr. Douglas Bruner, U.S. NRC Environmental Project Manager

cc (w/o attached DVDs)

Mr. Brian Anderson, U.S. NRC Project Manager
U.S. NRC Region II, Regional Administrator

Levy Nuclear Plant Units 1 and 2
Response to NRC Supplemental Request for Additional Information Letter Related to
the Environmental Review for the Combined License Application, dated June 23, 2009

<u>NRC RAI #</u>	<u>Progress Energy RAI #</u>	<u>Progress Energy Response</u>
General-1	L-0507	Response enclosed – see following pages

NRC Letter No.: ER-NRC

NRC Letter Date: June 23, 2009

NRC Review of Environmental Report

NRC RAI #: General-1

Text of NRC RAI: Provide files of figures that reproduce clearly in both black-and-white and color, and that can be modified as necessary by our GIS experts and graphics specialists, as specified below. For non-GIS figures, i.e. those that are drawn or otherwise created by graphics designers, provide "original" files, such as, native-platform vector files, CAD files, Freehand files, etc. In addition, provide (300 dpi) editable PDFs in both Black and White and color for each figure. These files are needed because the website version of the Environmental Impact Statement (EIS) will be in color, while hardcopies are printed in black-and-white. For GIS figures, provide shapefiles. Provide the following figures in the format described above

Environmental Report (ER) Figures: 1.1-1, 2.1-2, 2.2-1, 2.2-3, 2.2-6, 2.3-1 through 2.3-13, 2.3-18, 2.3-20, 2.3-28, 2.4-11, 2.5-1, 2.5-2, 2.5-5, 2.5-7, 2.5-10, 2.5-14, 2.5-15, 2.6-1, 2.6-4, 3.1-2, 3.1-3, 3.3-2, 3.3-3, 3.3-4, 3.7-1, 3.7-2, 4.2-1, 5.2-6, 6.1-3

Site Certification Application (SCA) Figures: 9A3.2-1 through 9A3.3-16 and Vol. 1 4.10.2-1

CH2M HILL Technical Memo 338884-TMEM-087 (CH2M HILL, 2009, Sampling Report for Crystal River Energy Complex (CREC)): 2-1 (CFBC Aquatic Sampling Locations), 2-2 (CFBC Aquatic Sampling Locations), 2-3 (OWR Aquatic Sampling Locations)

Figures provided in RAI Responses: Attachment A to response RAI 2.3.1-1, Attachment B to response RAI 2.3.1-1, Figure 1 of Appendix A to response to RAI 2.3.3-1

PGN RAI ID #: L-0507

PGN Response to NRC RAI:

The native files for all figures requested are provided on the attached discs (7 total discs). These files will allow NRC staff to reproduce and modify the figures as needed for use in the EIS. The table below is an index of figures requested with the associated native files. In addition all shapefiles used in figures have been provided on the attached discs. All figures in color and/or B&W are also included on Disc 7 of 7.

Document	Figure Number	Figure Title	Type	Size	Native File	Notes
ER	1.1-1	LNP Site	GIS	8.5x11	Native Files\MXD\ER_Figure1.1-1.mxd	
ER	2.1-02	General Station Features	GIS	11x17	Native Files\MXD\ER_Figure2.1-2_SCARev2.mxd	
ER	2.2-01	Site/Region Location Map	GIS	11x17	Native Files\MXD\ER_Figure2.2-1.mxd	Broken Links refer to copyrighted, non-distributable ESRI StreetMaps USA Data
ER	2.2-3	Land Uses within the Site Boundary	GIS	11x17	Native Files\MXD\ER_Figure2.2-3_SCARev2.mxd	
ER	2.2-06	Transmission Corridor Locations	GIS	11x17	Native Files\MXD\ER_Figure2.2-6-07389573D013.mxd	
ER	2.3-1	Cities, Counties, and Roadways	GIS	8.5x11	Native Files\MXD\ER_Figure2.3-1.mxd	Broken Links refer to copyrighted, non-distributable ESRI StreetMaps USA Data
ER	2.3-2	LNP Site Location Map	GIS	11x17	Native Files\MXD\ER_Figure2.3-2.mxd	
ER	2.3-3	Topographic Map of LNP Site	GIS	11x17	Native Files\MXD\ER_Figure2.3-3.mxd	
ER	2.3-4	Waccasassa and Withlacoochee Drainage Basins	GIS	11x17	Native Files\MXD\ER_Figure2.3-4.mxd	
ER	2.3-5	LNP Site Subbasin Drainage Areas	GIS	11x17	Native Files\MXD\ER_Figure2.3-5.mxd	

Document	Figure Number	Figure Title	Type	Size	Native File	Notes
ER	2.3-6	USGS Monitoring Stations within the Waccasassa and Withlacoochee Drainage Basins	GIS	11x17	Native Files\MXD\ER_Figure2.3-6.mxd	
ER	2.3-7	Water Control Structures Near the LNP Site	GIS	11x17	Native Files\MXD\ER_Figure2.3-7.mxd	
ER	2.3-8	Surface Water Quality Sampling Locations	GIS	11x17	Native Files\MXD\ER_Figure2.3-8.mxd	
ER	2.3-9	Wacasassa and Withlacoochee Drainage Basin Locks and Dams	GIS	11x17	Native Files\MXD\ER_Figure2.3-9.mxd	
ER	2.3-10	Wetlands Located Within 3000 feet of LNP	GIS	11x17	Native Files\MXD\ER_Figure2.3-10.mxd	
ER	2.3-11	100 Year Flood Zone at LNP Site	GIS	11x17	Native Files\MXD\ER_Figure2.3-11.mxd	
ER	2.3-12	Cross Florida Barge Canal Bathymetry	GIS	11x17	Native Files\MXD\ER_Figure2.3-12.mxd	Broken Links refer to copyrighted, non-distributable ESRI StreetMaps USA Data
ER	2.3-13	Blowdown Pipeline and Discharge Location	GIS	8.5x11	Native Files\MXD\ER_Figure2.3-13.mxd	
ER	2.3-18	Regional Aquifer System Analysis	Graphics	11x17	Native Files\AIs\LNP_ER_FIG02_03_18.ai	See USGS Professional Paper 1403-F: http://pubs.er.usgs.gov/usgspubs/pp/p1403E
ER	2.3-20	Potentiometric Surface Map of the Surficial/Overburden	GIS	8.5x11	Native Files\MXD\ER_Figure2.3-20.mxd	

Document	Figure Number	Figure Title	Type	Size	Native File	Notes
		Aquifer: March 6, 2007				
ER	2.3-28	Surficial Aquifer Groundwater Elevation at LNP 1	Graphics	8.5x11	Native Files\AIs\LNP_ER_FIG02_03_28.ai	Raw data contained in spreadsheet: Data\MS_Excel\MW-15S March 2007_March 2008.xls
ER	2.4-11	Aquatic Sampling Locations	GIS	8.5x11	Native Files\MXD\ER_Figure2.4-11.mxd	
ER	2.5-01	10-Mile Sector Chart	GIS	8.5x11	Native Files\MXD\ER_Figure2.5.1.mxd	Broken Links refer to copyrighted, non-distributable ESRI StreetMaps USA Data
ER	2.5-02	Regional Sector Chart	GIS	11x17	Native Files\MXD\ER_Figure2.5-2.mxd	Broken Links refer to copyrighted, non-distributable ESRI StreetMaps USA Data
ER	2.5-05	Regional Parks and Recreational Areas	GIS	11x17	Native Files\MXD\ER_Figure2.5-5.mxd	Broken Links refer to copyrighted, non-distributable ESRI StreetMaps USA Data
ER	2.5-07	Regional Recreational Trails	GIS	11x17	Native Files\MXD\ER_Figure2.5-7.mxd	Broken Links refer to copyrighted, non-distributable ESRI StreetMaps USA Data
ER	2.5-10	Regional Healthcare	GIS	11x17	Native Files\MXD\ER_Figure2.5-10.mxd	Broken Links refer to copyrighted, non-distributable ESRI StreetMaps USA Data
ER	2.5-14	Regional Minority Population	GIS	11x17	Native Files\MXD\ER_Figure2.5-14_SCARev2.mxd	

Document	Figure Number	Figure Title	Type	Size	Native File	Notes
ER	2.5-15	Regional Low Income Populations	GIS	11x17	Native Files\MXDs\ER_Figure2.5-15_SCARev2.mxd	
ER	2.6-1	Physiographic Provinces	GIS	11x17	Native Files\MXDs\ER_Figure2.6-1.mxd	
ER	2.6-4	Relationship of Stratigraphic and Hydrogeologic Units in West-Central Florida	Graphics	8.5x11	Native Files\AIs\LNP_ER_FIG02_06_04.ai	Original Doc at: Data\Document\sir2006-5320.pdf
ER	3.1-1	Generalized AP1000 Reactor Facility	Graphics	11 x17	Native Files\AIs\LNP_ER_FIG03_01_01.ai	
ER	3.1-02	AP1000 Plant Layout (4 Sheets)	Graphics	8.5x11	Native Files\AIs\LNP_ER_FIG03_01_02-sheet1.ai - LNP_ER_FIG03_01_02-sheet4.ai	Original images extracted from Westinghouse Design Control Document
ER	3.1-03	Conceptual View Looking South of Major Station Components on the LNP Site	Graphics	8.5x11	Native Files\AIs\LNP_ER_FIG03_01_03.ai	Raw aerial photo edited in "Photo Explosion©" Software: Data/Raster/IMG_0135.jpg
ER	3.2-1	Reactor Power Conversion System Simplified Flow Diagram	Graphics	8.5x11	Native Files\DWGs\LNP_ER_FIG03_02_01.dwg	
ER	3.3-02	AP1000 Water Balance Diagram (Two Units)	Graphics	8.5x11	Native Files\MS_VISIO\Water Balance Diagram_vER_Rev0.vsd	

Document	Figure Number	Figure Title	Type	Size	Native File	Notes
ER	3.3-03	Cooling Water Intake Structure General Arrangement	Graphics	11x17	Native Files\DGNs\LNG-G1-CC-000002\Workspace\Projects\LNG-G1-CC-000002\dgn\LNG-G1-CC-000002.dgn	
ER	3.3-04	Cooling Water Intake Structure Section View	Graphics	11x17	Native Files\DGNs\LNG-G1-CC-000003\Workspace\Projects\LNG-G1-CC-000003\dgn\LNG-G1-CC-000003.dgn	
ER	3.7-01	PEF High-Voltage Transmission System	GIS	11x17	Native Files\MXD\ER_Figure3.7-1-07389573D011.mxd	
ER	3.7-02	Proposed Transmission Line Corridors	GIS	11x17	Native Files\MXD\ER_Figure3.7-2-07389573D012.mxd	
ER	4.2-1	Raw Water Supply Well Locations	GIS	11x17	Native Files\MXD\ER_Figure4.2-1_SCARev2.mxd	
ER	5.2-6	Regional County Map	GIS	8.5x11	Native Files\MXD\ER_Figure5.2-6.mxd	
ER	6.1-3	Proposed Crystal River Discharge Canal Monitoring Locations	GIS	8.5x11	Native Files\MXD\ER_Figure6.1-3.mxd	
SCA	4.10.2-1	Proposed Pipeline Corridor	GIS	11x17	Native Files\MXD\SCA_Figure4.10-1_Rev2.mxd	
SCA	9A3.2-1	Typical Tangent Steel H-Frame Structure on New Right-of-Way	Graphics	8.5x11	Native Files\DWGs\9-A3.2-1.dwg	
SCA	9A3.2-2	Typical Tangent Steel Monopole	Graphics	8.5x11	Native Files\DWGs\9-A3.2-2.dwg	

Document	Figure Number	Figure Title	Type	Size	Native File	Notes
		Structure on New Right-of-Way				
SCA	9A3.2-3	Typical Tangent Steel H-Frame Structure on New Multi-Circuit Right-of-Way N of SR40	Graphics	11x17	Native Files\DWGs\9-A3.2-3.dwg	
SCA	9A3.2-4	Typical Tangent Steel H-Frame Structure on New Multi-Circuit Right-of-Way North of SR 40 with 69kV Line	Graphics	11x17	Native Files\DWGs\9-A3.2-4.dwg	
SCA	9A3.2-5	Typical Tangent Steel Monopole Structure on New Multi-Circuit Right-of-way North of CR 40	Graphics	11x17	Native Files\DWGs\9-A3.2-5.dwg	
SCA	9A3.2-6	Typical Tangent Steel Monopole Structure on New Multi-Circuit Right-of-Way North of CR 40 with 69kV Line	Graphics	11x17	Native Files\DWGs\9-A3.2-6.dwg	
SCA	9A3.2-7	Typical Tangent Steel H-Frame Structure on New Multi-Circuit Right-of-Way South of CR 40 with 69kV Line	Graphics	11x17	Native Files\DWGs\9-A3.2-7.dwg	
SCA	9A3.2-8	Typical Tangent Steel Monopole Structure on New Multi-Circuit Right-of-Way South of CR 40 with 69kV Line	Graphics	11x17	Native Files\DWGs\9-A3.2-8.dwg	

Document	Figure Number	Figure Title	Type	Size	Native File	Notes
SCA	9A3.2-9	Typical Tangent Steel H-Frame Structure on New Multi-Circuit Right-of-Way South of CR 40	Graphics	11x17	Native Files\DWGs\9-A3.2-9.dwg	
SCA	9A3.2-10	Typical Tangent Steel Monopole Structure on New Multi-Circuit Right-of-Way South of CR 40	Graphics	11x17	Native Files\DWGs\9-A3.2-10.dwg	
SCA	9A3.2-11	Typical Tangent Steel H-Frame Structure Parallel (Right) to Existing PEF 230/500kV Right-of-Way	Graphics	11x17	Native Files\DWGs\9-A3.2-11.dwg	
SCA	9A3.2-12	Typical Tangent Steel H-Frame Structure Parallel (Left) to Existing PEF 23/500kV Right-of-Way	Graphics	11x17	Native Files\DWGs\9-A3.2-12.dwg	
SCA	9A3.2-13	Typical Tangent Steel Monopole Structure Parallel (Right) to Existing PEF 230/500 kV Right-of-Way	Graphics	11x17	Native Files\DWGs\9-A3.2-13.dwg	

Document	Figure Number	Figure Title	Type	Size	Native File	Notes
SCA	9A3.2-14	Typical Tangent Steel Monopole Structure Parallel (Left) to Existing PEF 230/500 kV Right-of-Way	Graphics	11x17	Native Files\DWGs\9-A3.2-14.dwg	
SCA	9A3.2-15	Typical 500kV Tangent Insulator Assembly	Graphics	11x17	Native Files\DWGs\9-A3.2-15.dwg	
SCA	9A3.2-16	Conductor Profile for Typical Tangent Steel H-Frame Structure	Graphics	11x17	Native Files\DWGs\9-A3.2-16.dwg	
TM 087	Figure 2-1	CFBC Aquatic Sampling Locations	GIS	8.5x11	Native Files\MXD\TM_087_Figure2-1.mxd	
TM 087	Figure 2-2	CREC Aquatic Sampling Stations	GIS	8.5x11	Native Files\MXD\TM_087_Figure2-2.mxd	
TM 087	Figure 2-3	OWR Aquatic Sampling Stations	GIS	8.5x11	Native Files\MXD\TM_087_Figure2-3.mxd	
RAI 2.3.1-1	Attachment A	Existing 100 Year Flood Zone at LNP Site	GIS	11x17	Native Files\MXD\RAI_2.3.1-1A_Flood_Zone_LNP_Site.mxd	
RAI 2.3.1-1	Attachment B	Existing 100 Year Flood Zone Potentially Disturbed by the LNP Site	GIS	11x17	Native Files\MXD\RAI_2.3.1-1B_Flood_Zone_LNP_Site_Impacts.mxd	
RAI 2.3.3-1	Figure 1	CREC Water Quality Sampling Stations	GIS	11x17	Native Files\MXD\RAI_2.3.3-1_Figure1.mxd	

Associated LNP COL Application Revisions:

None

Attachments/Enclosures:

None