


United States Nuclear Regulatory Commission Official Hearing Exhibit	
Progress Energy Florida, Inc. (Levy County Nuclear Power Plant, Units 1 and 2)	
	ASLBP #: 09-879-04-COL-BD01 Docket #: 05200029 05200030 Exhibit #: NRC000-00-BD01 Admitted: 10/31/2012 Rejected: Other:
	Identified: 10/31/2012 Withdrawn: Stricken:

Submitted: October 26, 2012

**Progress Energy Florida, Inc.
(Levy County Nuclear Power Plant, Units 1 and 2)
Docket Nos. 52-029-COL and 52-030-COL
October 2012 Evidentiary Hearing
NRC Staff Final Exhibit List**

NRC Exhibit #	Witness/Panel	Description
NRC001A	Sutton	NUREG-1941 Environmental Impact Statement for Combined Licenses (COLs) for Levy Nuclear Plant Units 1 and 2, Final Report (April, 2012) Volume 1 (Chapters 1-5).
NRC001B	Sutton	NUREG-1941 Environmental Impact Statement for Combined Licenses (COLs) for Levy Nuclear Plant Units 1 and 2, Final Report (April, 2012) Volume 2 (Chapters 6-10).
NRC001C	Sutton	NUREG-1941 Environmental Impact Statement for Combined Licenses (COLs) for Levy Nuclear Plant Units 1 and 2, Final Report (April, 2012) Volume 3 (Appendixes).
NRC002	Sutton	Professional Qualifications of Mallecia A. Sutton
NRC003	Miracle	Professional Qualifications of Ann L. Miracle
NRC004	Masnik	Professional Qualifications of Michael T. Masnik
NRC005	Doub	Professional Qualifications of Joseph Peyton Doub
NRC006	Aston	Professional Qualifications of Lara M. Aston
NRC007	Barnhurst	Professional Qualifications of Dan O. Barnhurst
NRC008	Vail	Professional Qualifications of Lance W. Vail
NRC009	Prasad	Professional Qualifications of Rajiv Prasad
NRC010	Vermeul	Professional Qualifications of Vince R. Vermeul
NRC011	Quinlan	Professional Qualifications of Kevin R. Quinlan
NRC012	Berg	Professional Qualifications of Larry K. Berg

NRC013	All	NUREG-1555 Standard Review Plans for Environmental Reviews for Nuclear Power Plants (“ESRP”) (2000) Sections: 2.3, 2.4, 2.6, 2.7, 2.8, 3.3, 3.4, 4.2, 4.3, 5.2, 5.10, 6.3, 6.5, 10.1, and 10.2.
NRC014	All	NUREG-1555 Standard Review Plans for Environmental Reviews for Nuclear Power Plants (“ESRP”) Draft Rev. 1 (2007) Sections: 4.7, 5.3, 5.11, and 9.4.
NRC015	Prasad, Vail, Vermeul, Barnhurst	NUREG-0800 Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants: LWR Edition, (“SRP”) Rev. 3 (2007) Sections: 2.4.1, and 2.4.13.
NRC016	Prasad, Vail, Vermeul, Barnhurst	Application for Combined License for Levy Nuclear Plant, Units 1 and 2, Part 2, Final Safety Analysis Report, Revision 3, portions of section 2.5 (2012).
NRC017	Prasad, Vail, Vermeul, Barnhurst	Exhibit created by Staff showing four maps and figures of the region around the LNP site and focusing on specific features discussed in the testimony.
NRC018	Prasad, Vail, Vermeul, Barnhurst	Excerpts from U.S. Geological Survey (USGS): Ground Water Atlas of the United States: Alabama, Florida, Georgia, and South Carolina HA 730-G. Ed. J.A. Miller, Reston, Virginia (1990).
NRC019	Prasad, Vail, Vermeul, Barnhurst	Excerpts from Randazzo, A.F. and D. Jones, editors: The Geology of Florida. University Press of Florida, Gainesville, Florida (1997).
NRC020	Prasad, Vail, Vermeul, Barnhurst	Excerpts from Miller, James A., Hydrogeologic Framework of the Floridan Aquifer System in Florida, and in Parts of Georgia, Alabama and South Carolina. USGS Professional Paper 1403-B, Washington, D.C (1986).
NRC021	Prasad, Vail, Vermeul, Barnhurst, Berg	Levy Nuclear Plant Units 1 and 2 COL Application, Part 3, Environmental Report – Combined License Stage, Revision 1 (2009) Excerpts from Section 2.4 and Sections 4.1 and 5.3.

NRC022	Prasad, Vail, Vermeul, Barnhurst	Excerpts from letter from Garry Miller, Progress Energy Florida, Inc. (PEF), to NRC, dated July 29, 2009, regarding Supplement 3 to Response to Request for Additional Information Regarding the Environmental Review.
NRC023	Prasad, Vail, Vermeul, Barnhurst	Letter from John Elitsky, PEF, to NRC, dated December 14, 2009, regarding Response to Supplemental Request for Additional Information Regarding the Environmental Review. The technical memorandum from CH2M Hill attached to this letter is exhibit PEF210.
NRC024	Prasad, Vail, Vermeul, Barnhurst	Southwest Florida Water Management District (SWFWMD), Environmental Resource Permitting Information Manual, Part D: Project Design Aids. West Palm Beach, Florida (1996).
NRC025	Prasad, Vail, Vermeul, Barnhurst	SWFWMD, Environmental Resource Permitting Information Manual, Part B: Basis of Review (December 29, 2011).
PEF005		Florida Department of Environmental Protection (FDEP), Levy Nuclear Power Plant Units 1 and 2, Progress Energy Florida, Proposed Conditions of Certification, Plant and Associated Facilities and Transmission Lines. PA08-51, Tallahassee, Florida (as amended on January 25, 2011).
NRC027	Miracle	Florida Department of Natural Resources (FDNR), St. Martins Marsh Aquatic Preserve Management Plan. Tallahassee, Florida (1987).
NRC028	Miracle	Estevez, E.D. and M.A. Marshall. 1993 Summary Report for: Crystal River 3 Year NPDES Monitoring Project. Mote Marine Laboratory, Sarasota, Florida (1993) (NRC028).
NRC029	Miracle	Estevez, E.D. and M.A. Marshall. 1994 Summary Report for: Crystal River 3 Year NPDES Monitoring Project. Mote Marine Laboratory, Sarasota, Florida (1994).
NRC030	Miracle	Estevez, E.D. and M.A. Marshall. 1995 Summary Report for: Crystal River 3 Year NPDES Monitoring Project. Mote Marine Laboratory, Sarasota, Florida (1995).
NRC031	Miracle	Letter from B.L. Mozafari, National Marine Fisheries Service ("NMFS") to D. Young, "Crystal River Unit 3 – Section 7 Consultation under the Endangered Species Act Regarding Sea Turtles at the Crystal River Energy Complex (Sept. 19, 2002).
NRC032	Miracle	Excerpts from NMFS, Sea Turtle Strandings and Salvage Network (STSSN) Reports (2009).

NRC033	Miracle	Eaton, C., E. McMichael, B. Witherington, A. Foley, R. Hardy, and A. Meylan, In-water Sea Turtle Monitoring and Research in Florida: Review and Recommendations. National Oceanic and Atmospheric Association (NOAA) Technical Memorandum NMFS-OPR-38, Silver Spring, Maryland (2008).
NRC034	Miracle	FWS, West Indian Manatee (<i>Trichechus manatus</i>): 5-yr review: Summary and Evaluation. Jacksonville Ecological Services Office, Boqueron, Puerto Rico (2007).
NRC035	Miracle	FFWCC (Florida Fish and Wildlife Conservation Commission), Basic Recreational Saltwater Fishing Regulations. Tallahassee, Florida. (2009).
NRC036	Miracle	FFWCC, 2008 Annual Landings Summary Edited Landings Data Through Batch 1015 (Closed 12/22/2008). Marine Fisheries Information System, Tallahassee, Florida 2009.
NRC037	Berg	Excerpts from Reisman, J., and G. Frisbie: Calculating realistic PM10 emissions from cooling towers. <i>Environmental Progress</i> , 21, (2002).
NRC038	Berg, Quinlan	Staff created exhibit showing a comparison of atmospheric conditions at Gainesville, FL and the LNP site. This graph was created by using atmospheric conditions from the National Oceanographic and Atmospheric Administration, 2008 National Climatic Data Center, Climate Data website and comparing them to data from the LNP site.
NRC039	Berg	Letter from J. Scarola, Progress Energy Carolinas, Inc. (PEC) to NRC, "Supplemental Meteorological Data in Support of Combined License Application for Levy Nuclear Power Plants Units 1 and 2 NRC Project Number 756." (July 28, 2008).
NRC040	Berg	Letter from G.D. Miller, PEC, to NRC "Supplemental Meteorological Data in Support of Combined License Application – Second Year Data." (Mar. 17, 2009).
NRC041	Doub, Aston	Mortellaro, S., S. Krupa, L. Fink and J. VanArman, Literature Review on the Effects of Groundwater Drawdowns on Isolated Wetlands, South Florida Water Management District, West Palm, Florida (1995).
NRC042	Miracle, Masnik	CH2M HILL, Aquatic Ecology Sampling Report Levy Nuclear Plant. 338884-TMEM-087, Revision 1, Denver, Colorado (2009).
NRC043	Miracle, Masnik	Stone and Webster Engineering Corporation, Crystal River 316 Studies, Final Report, Stoughton, Mass. (1985).

NRC044	Miracle, Masnik	Gosselink, J., Tidal Marshes: The Boundary Between Land and Ocean. U.S. Fish and Wildlife Service, Biological Services Program, Washington, D.C. (1980).
NRC045	Miracle, Masnik	Zieman, J.C. and R.T. Zieman, The Ecology of the Seagrass Meadows of the West Coast of Florida: A Community Profile. Biological Report 85, U.S. Fish and Wildlife Service, Slidell, Louisiana (1989).
NRC046	Miracle, Masnik	Mattson, R.A., T.K. Frazer, J. Hale, S. Blitch, and L. Ahijevych. "Florida Big Bend." In Seagrass Status and Trends in the Northern Gulf of Mexico: 1940-2002. L. Handley, D. Altsman, and R. DeMay, editors, Scientific Investigations Report 2006-5287 and U.S. Environmental Protection Agency 855-R-04-003, U.S. Geological Survey, Reston, Virginia (2007).
NRC047	Doub, Aston	Environmental Protection Agency ("EPA")/United States Army Corps of Engineers ("USACE"), Draft Guidance on Identifying Waters Protected by the Clean Water Act, Washington, D.C. (2011).
NRC048R	Doub, Aston	Excerpts from Environmental Services, Inc. and Taylor Engineering, Inc., Levy Nuclear Plant and Associated Transmission Lines Wetland Mitigation Plan Comprehensive Design Document. Jacksonville, Florida (2011).
PEF504		FDEP, Division of Air Resource Management, Air Permit No. PSD-FL-403, "Levy Nuclear Plant Units 1 and 2 Cooling Towers" (NRC049).
NRC050	Berg	Excerpts from Monahan, E.C., D.E. Spiel and K.L. Davidson, "A Model of Marine Aerosol Generation Via Whitecaps and Wave Disruption" in "Oceanic Whitecaps and Their Role in Air-Sea Exchange Processes; Proceedings of the 1983 Galway Whitecap Workshop", Hingham, MA (1986) (NRC050).
NRC051	Berg	Excerpts from Gong, S.L., L.A. Barrie, J.P. Blanchet, "Modeling sea-salt aerosols in the atmosphere-Model development (Abstract)." <i>Journal of Geophysical Research</i> 102(D3):3805, Washington, D.C. (1997).
NRC052	Berg	Excerpts from Marks, R., "Preliminary investigations on the influence of rain on the production, concentration, and vertical distribution of sea salt aerosol (Abstract)." <i>Journal of Geophysical Research</i> 95(C12):22299-22304, Washington, D.C. (1990).

NRC053	Berg	Excerpts from Noble, C.A. and K.A. Prather, "Real-time single particle monitoring of a relative increase in marine aerosol concentration during winter rainstorms." <i>Geophysical Research Letters</i> 24(22):2753-2756, Washington, D.C. (1997).
NRC054	Berg	Excerpts from Lewis, E.R. and S.E. Schwartz, "Sea salt aerosol production: mechanisms, methods, measurements and models: a critical review", American Geophysical Union, Washington D.C. (2004).
NRC055	Berg	Excerpts from Clarke, A., V. Kapustin, S. Howell, K. Moore, B. Lienert, S. Masonis, T. Anderson, and D. Covert, "Sea-Salt Size Distributions from Breaking Waves: Implications for Marine Aerosol Production and Optical Extinction Measurements during SEAS", <i>Journal of Atmospheric and Oceanic Technology</i> 20(10):1362, Boston, Mass. (2003).
NRC056	Berg	Excerpts from Wigington, P.J. Jr., M.R. Church, T.C. Strickland, K.N. Eshleman, and J. Van Sickle, "Autumn Chemistry of Oregon Coast Range Streams [Abstract]." <i>Journal of the American Water Resources Association</i> 34(5):1035 (1998).
NRC057	Doub, Aston	NUREG-1437 Generic Environmental Impact Statement for License Renewal of Nuclear Plants, (1996) Section 4.3.
NRC058	Doub, Aston	Letter from Garry Miller, PEF, to NRC, regarding Supplement Information Related to Environmental Review – Future Native Files and CREC 1993/1994 Annual Salt Drift Report, (Aug. 31, 2009).
NRC059	Miracle, Masnik	Letter from R. Hoffman, NMFS to NRC regarding "List of federally-protected species under the jurisdiction of NMFS for the State of Florida." (Dec. 11, 2008).
NRC060	Miracle, Masnik	FWS, <i>Aerial Manatee Counts – 2006-2011</i> . Crystal River, Florida (2011).
NRC061	Miracle, Masnik	Letter from Roy Crabtree, NMFS, to Robert Schaaf and Gordon Hambrick, NRC, regarding Levy Nuclear Plant Units 1 and 2. (November 26, 2010).
NRC062	Doub, Aston	Staff created figure depicting the salt deposition model output overlaid onto a habitat map of the proposed LNP site and vicinity.
NRC63	Prasad, Vail, Vermeul, Barnhurst	USGS Water Resources Data, USGS Surface-Water Annual Statistics from "USGS 02313100 RAINBOW RIVER AT DUNNELLO, FL" (retrieved June 20, 2012).

NRC64	Prasad	Excerpts from FDEP, Levy Nuclear Power Plant Units 1 and 2, Progress Energy Florida, Proposed Conditions of Certification, Plant and Associated Facilities and Transmission Lines. PA08-51, 4th Amended Conditions of Certification, Tallahassee, Florida (March 12, 2009).
NRC065	Prasad, Vail, Vermeul, Barnhurst	Excerpts from Memorandum to Brent Clayton, NRC, from Jack Cushing, NRC, Providing Supplemental Staff Guidance for Cumulative Effects Analysis (April 8, 2010).
NRC066	Doub, Aston	FWS and NMFS, Endangered Species Consultation Handbook: Procedures for Conducting Consultation and Conference Activities Under Section 7 of the Endangered Species Act (March 1998).
PEF014		CH2M Hill, Effects of Temporary Dewatering of Wetlands for the Construction of the Levy Nuclear Plant Levy County, Florida. 338884-TMEM-131, Rev 1 (2011).
NRC068	Doub, Aston	State of Florida Department of Transportation, Florida Land Use, Cover and Forms Classification System Handbook (1999).
NRC069	Doub, Aston	USACE, Corps of Engineers Wetlands Delineation Manual (1987).
NRC070	Stirewalt	Professional Qualifications of Gerry L. Stirewalt
NRC071	Prasad, Vail, Vermeul, Barnhurst	Excerpts from Scanlon, Bridget R., Robert E. Mace, Michael E. Barrett, and Brian Smith, "Can we simulate regional groundwater flow in a karst system using equivalent porous media models? Case study, Barton Springs Edwards aquifer, USA", <i>Journal of Hydrology</i> 276 137–158 (2003).
NRC072	Prasad, Vail, Vermeul, Barnhurst	Excerpts from Larocque, M., O. Banton, P. Ackerer, and M. Razack, "Determining Karst Transmissivities with Inverse Modeling and an Equivalent Porous Media", <i>Groundwater</i> , Vol 37, No. 6 (1999).
NRC073	Prasad, Vail, Vermeul, Barnhurst	Excerpts from U.S. Army Corps of Engineers Jacksonville District, "Draft Tarmac King Road Limestone Mine Environmental Impact Statement, Volume II (Appendixes A-H)" (May 2012).
NRC074	Prasad, Vail, Vermeul, Barnhurst	Minutes from the Levy County Planning Commission's April 2, 2012, Meeting.

NRC075	Prasad, Vail, Vermeul, Barnhurst	Excerpts from Renard, Phillippe, Damian Glenz, and Miguel Mejias, "Understanding diagnostic plots for well-test interpretation", <i>Hydrogeology Journal</i> , 17, Issue 3, 589 – 600 (2009).
NRC076	Stirewalt, Prasad, Vail, Vermeul, Barnhurst	Application for Combined License for Levy Nuclear Plant, Units 1 and 2, Part 2, Final Safety Analysis Report, Revision 3, portions of section 2.5.1 (2012).
NRC077	Stirewalt, Prasad, Vail, Vermeul, Barnhurst	Excerpts from Easterbrook, Don J., <i>Surface Processes and Landforms</i> , Second Edition, Prentice Hall (1999).
NRC078	Stirewalt, Prasad, Vail, Vermeul, Barnhurst	U.S. NRC, Advanced Final Safety Evaluation Report for Levy County, Units 1 and 2, Portions of Section 2.5.1 (2011).
NRC079	Doub, Aston	Long, A. J., "Benefits of Prescribed Burning" FOR 70. School of Forest Resources and Conservation, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida (2006).
NRC080	Berg, Quinlan	U.S. Environmental Protection Agency, "AERMOD: Latest Features and Evaluation Results", EPA-454/R-03-003, (June, 2003).
NRC081	Masnik, Miracle	Letter from Miles M. Croom, National Marine Fisheries Service, to NRC, Providing Comments on the draft EIS and Essential Fish Habitat (Oct. 26, 2010).

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of)
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PROGRESS ENERGY FLORIDA, INC.) Docket Nos. 52-029 and 52-030
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(Levy County Nuclear Site, Units 1 and 2))

CERTIFICATE OF SERVICE

I hereby certify that the NRC Staff's Final Exhibit List has been filed through the E-Filing system this 26th day of October 2012.

/Signed (electronically) by/
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