

In the Matter of Florida Power & Light Company  
(License Amendments for Turkey Point Nuclear Generating Units 3 and 4)  
Docket Nos. 50-250-LA and 50-251-LA  
ASLBP No. 15-935-02-LA-BD01  
2016 Evidentiary Hearing

NRC Staff Hearing Exhibits

NRC Staff Exhibit #	Witness	Description
NRC-001	All	NRC Staff Testimony of Audrey L. Klett, Briana A. Grange, William Ford, And Nicholas P. Hobbs Concerning Contention 1
NRC-002	Audrey L. Klett	Audrey L. Klett Statement of Professional Qualifications
NRC-003	Briana A. Grange	Briana A Grange Statement of Professional Qualifications
NRC-004	William Ford	William Ford Statement of Professional Qualifications
NRC-005	Nicholas P. Hobbs	Nicholas P. Hobbs Statement of Professional Qualifications
NRC-006	Briana A. Grange	Letter From Audrey Klett, Project Manager, N.R.C., to Mano Nazar, President and Chief Nuclear Officer, NextEra Energy, Turkey Point Generating Station Unit Nos. 3 and 4 - Issuance of Amendments Under Exigent Circumstances Regarding Ultimate Heat Sink and Component Cooling Water Technical Specifications (August 8, 2014) (ADAMS No. ML14199A107).
NRC-007	Briana A. Grange	Florida Power & Light Company, Turkey Point Units 3 and 4: License amendment application; opportunity to comment, request a hearing, and petition for leave to intervene, 79 Fed. Reg. 44,214 (July 30, 2014).

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NRC-008	Briana A. Grange	Letter From Audrey Klett, Project Manager, N.R.C., to Mano Nazar, President and Chief Nuclear Officer, NextEra Energy, Turkey Point Generating Station Unit Nos. 3 and 4 - Individual Notice of Consideration of Issuance of Amendments to Renewed Facility Operating Licenses, Proposed No Significant Hazards Consideration Determination, and Opportunity for a Hearing (Exigent Circumstances) (July 24, 2014) (ADAMS Accession No. ML14204A129).
NRC-009	Briana A. Grange	Florida Power & Light Company, Turkey Point Units 3 and 4: Environmental Analysis and Finding of No Significant Impact, 79 Fed. Reg. 44,464 (July 31, 2014).
NRC-010	Briana A. Grange	N.R.C., Biological Assessment on the American Crocodile ( <i>Crocodylus acutus</i> ), Florida Power & Light Company, Turkey Point Units 3 and 4: Proposed License amendment application to increase the ultimate heat sink temperature limit (July 2014) (ADAMS Accession No. ML14206A806).
NRC-011	Briana A. Grange	Letter from Michael Kiley, Florida Power & Light, to N.R.C. Document Control Desk, Request for Emergency Approval of License Amendment Request No. 231 (Application to Revise Ultimate Heat Sink Temperature Limit), (July 17, 2014) (ADAMS Accession No. ML14202A392).
NRC-012	Briana A. Grange	Letter from Michael Kiley, Florida Power & Light, to N.R.C. Document Control Desk, Supplement 1 and Response to Request for Additional Information for License Amendment Request No. 231 (Application to Revise Ultimate Heat Sink Temperature Limit), (July 22, 2014) (ADAMS Accession No. ML14204A367).

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NRC-013	Briana A. Grange	Letter from Michael Kiley, Florida Power & Light, to N.R.C. Document Control Desk, Response to Request for Additional Information Regarding License Amendment Request No. 231 (Application to Revise Ultimate Heat Sink Temperature Limit), (July 22, 2014) (ADAMS Accession No. ML14204A368).
NRC-014	Briana A. Grange	Letter from Michael Kiley, Florida Power & Light, to N.R.C., Response to Containment and Ventilation Branch Request for Additional Information, Regarding License Amendment Request No. 231 (Application to Revise Ultimate Heat Sink Temperature Limit), (July 24, 2014) (ADAMS Accession No. ML14206A853).
NRC-015	Briana A. Grange	Email from Audrey Klett, N.R.C., to Bob Tomonto and Paul Czaya, Florida Power & Light, Turkey Point 3 and 4: Request for Additional Information - License Amendment Request 231 (1 of 2), (July 18, 2014) (ADAMS Accession No. ML14203A614).
NRC-016	Briana A. Grange	Email from Audrey Klett, N.R.C., to Bob Tomonto and Paul Czaya, Florida Power & Light, Turkey Point 3 and 4: Request for Additional Information - License Amendment Request 231 (2 of 2), (July 18, 2014) (ADAMS Accession No. ML14203A618).
NRC-017	Briana A. Grange	Email from Audrey Klett, N.R.C., to Bob Tomonto, Paul Czaya, and Olga Hanek, Florida Power & Light, Turkey Point 3 and 4: Request for Additional Information - License Amendment Request 231, (July 22, 2014) (ADAMS Accession No. ML14204A814).

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NRC-018	Briana A. Grange	Letter from Victor McCree, Regional Administrator, N.R.C. Region II, to Michael Kiley, Florida Power & Light, Notice of Enforcement Discretion for Florida Power & Light Company Regarding Turkey Point Nuclear Generating Unit 3 and 4 [NOED NO. 14-2-001], (July 23, 2014) (ADAMS Accession No. ML14202A392 should be ML14213A069).
NRC-019	Briana A. Grange	Memorandum from Briana Grange and Dennis Logan, N.R.C., to David J. Wrona, Chief, Environmental Review and Guidance Update Branch, N.R.C., Summary of Meeting with U.S. Fish and Wildlife Service's South Florida Ecological Services Office Regarding Endangered Species Act Section 7 Consultation for Turkey Point Nuclear Generating Station Units Nos. 3 and 4 (July 22, 2014) (ADAMS Accession No. ML14216A533).
NRC-020	Briana A. Grange	Letter from David J. Wrona, Chief, Environmental Review and Guidance Update Branch, N.R.C., to Larry Williams, Field Supervisor, U.S. Fish and Wildlife Service, Request to Reinitiate Informal Consultation for a Proposed License Amendment to Increase the Ultimate Heat Sink Temperature Limit at Turkey Point Nuclear Generating Station Unit Nos. 3 and 4 (July 25, 2014) (ADAMS Accession No. ML14206A800).
NRC-021	Briana A. Grange	Letter from Craig Aubrey, Field Supervisor, U.S. Fish and Wildlife Service, to David J. Wrona, Chief, Environmental Review and Guidance Update Branch, N.R.C., Endangered Species Act Section 7 Consultation Concurrence (July 29, 2014) (ADAMS Accession No. ML14210A170).

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NRC-022	Briana A. Grange	License Amendment to Increase the Maximum Reactor Power Level, Florida Power & Light Company Turkey Point, Units 3 and 4: Final environmental assessment and finding of no significant impact, 77 Fed. Reg 20,059 (April 3, 2012).
NRC-023	Not Used	Not Used
NRC-024	William Ford	NUREG-1437, Generic Environmental Impact Statement for License Renewal of Nuclear Plants, Supplement 5, Regarding Turkey Point Units 3 and 4, (January 2002) (ADAMS Accession No. ML020280119).
NRC-025	Audrey L. Klett	Florida Power and Light, Root Cause Evaluation for CR Number 1979235, "Canal Temperature Exceeded 100 degrees F" (Nov. 21, 2014) (ADAMS Accession No. ML15128A656).
NRC-026	William Ford	Florida Power & Light Company, Turkey Point Units 6 & 7 Combine License Application, Part 3: Environmental Report, Rev. 5, 2.3-48 (December 23, 2013) (ADAMS Accession No. ML13357A411).
NRC-027	Briana A. Grange	N.R.C., NRR Office Instruction LIC-101, Rev. 4: License Amendment Review Procedures (May 25, 2012) (ADAMS Accession No. ML113200053).
NRC-028	Briana A. Grange	N.R.C., NRR Office Instruction LIC-203, Rev. 3: Procedural Guidance for Preparing Categorical Exclusions, Environmental Assessments, and Considering Environmental Issues (July 13, 2013) (ADAMS Accession No. ML12234A708).

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NRC-029	Briana A. Grange	Letter from Stewart Bailey, Senior Project Manager, N.R.C., to William Levis, Senior Vice President & Chief Nuclear Officer, PSEG Nuclear LLC, Hope Creek Generating Station - Issuance of Amendment Re: Ultimate Heat Sink (August 1, 2006) (ADAMS Accession No. ML062130012).
NRC-030	Briana A. Grange	Letter from Peter Tam, Senior Project Manager, N.R.C., to Mr. James A. Spina, Vice President, Nine Mile Point Nuclear Station, LLC, Nine Mile Point Nuclear Station, Unit No. 2 - Issuance of Amendment Re: Ultimate Heat Sink Temperature Limit Requirements (May 7, 2004) (ADAMS Accession No. ML041170234).
NRC-031	Briana A. Grange	Exelon Generation Company, LLC, LaSalle County Station, Units 1 and 2: Environmental assessment and finding of no significant impact; issuance. 80 Fed. Reg. 46062 (August 3, 2015).
NRC-032	Audrey L. Klett	Florida Power and Light Company, Application for Renewed Operating Licenses: Applicant's Environmental Report – Operating License Renewal Stage, Turkey Point 3 & 4 (September 8, 2000) (ADAMS Accession No. ML003749667).
NRC-033	Audrey L. Klett	S. Fla. Water Mgmt. Dist., Resolution 2009-1000, Fifth Supplemental Agreement Between the S. Fla. Water Mgmt. Dist. and Florida Power & Light Company (October 16, 2009).
NRC-034	Audrey L. Klett	Fla. Dep't. of Env'tl. Protection, Conditions of Certification for Florida Power & Light Company: Turkey Point Plant, Units 3 and 4 Nuclear Power Plant, Unit 5 Combined Cycle Plant, PA 03-45D (June 19, 2009) (ADAMS Accession No. ML15142A650).

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NRC-035	Audrey L. Klett	Letter from T.O. Jones, Vice President, Turkey Point Plant, Florida Power and Light, to N.R.C. Document Control Desk, Turkey Point Units 3 and 4 – Request for Renewal Notification of Wastewater Permit Number FL0001562 (June 25, 2004) (ADAMS Accession No. ML042190427).
NRC-036	William Ford	Scott T. Prinos, et al., Origins and Delineation of Saltwater Intrusion in the Biscayne Aquifer and Changes in the Distribution of Saltwater in Miami-Dade County, Florida, U.S. Geological Survey Scientific Investigations Report 2014-15, SIR 2014-5025 (May 13, 2014), <a href="http://pubs.usgs.gov/sir/2014/5025/">http://pubs.usgs.gov/sir/2014/5025/</a> .
NRC-037	William Ford	Water Manager's Glossary, S. Fla. Water Mgmt. Dist., <a href="http://www.sfwmd.gov/portal/page/portal/levelthree/water%20managers%20glossary">http://www.sfwmd.gov/portal/page/portal/levelthree/water%20managers%20glossary</a> . (last visited Nov. 9, 2015).
NRC-038	William Ford	Aquifers, Fla. Dep't. of Env'tl. Protection, <a href="https://fldep.dep.state.fl.us/swapp/Aquifer.asp#">https://fldep.dep.state.fl.us/swapp/Aquifer.asp#</a> . (last visited Nov. 9, 2015).
NRC-039	William Ford	Florida Power & Light Company, Turkey Point Units 6 & 7 Combine License Application, Part 3: Environmental Report, Rev. 5 (December 23, 2013) (ADAMS Accession No. ML13357A413) (excerpt).

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NRC-040	Audrey L. Klett	Letter from Michael Kiley, Vice President, Turkey Point Nuclear Plant, Florida Power and Light, to N.R.C. Document Control Desk, License Amendment Request No. 231, Application to Revise Ultimate Heat Sink Temperature Limit – Supplement 2, and Response to Request for Additional Information (July 29, 2014) (ADAMS Accession No. ML14211A508).
NRC-041	Briana A. Grange	N.R.C., Public Notice: NRC Staff proposes to amend renewed facility operating licenses at the Turkey Point Nuclear Generating Unit Nos. 3 and 4 (July 31, 2014) (ADAMS Accession No. ML14211A266).
NRC-042	Briana A. Grange	Florida Power & Light Company, Turkey Point Units 3 and 4: License amendment; issuance, opportunity to comment, request a hearing, and petition for leave to intervene, 79 Fed. Reg. 47,689 (August 14, 2014).
NRC-043	Briana A. Grange	Letter from James Kim, Project Manager, N.R.C., to David A. Heacock, President and Chief Nuclear Officer, Dominion Nuclear, Millstone Power Station Station, Unit No. 2 - Issuance of Amendment Re:RE: Revise Technical Specification 3/4.7.11 Ultimate Heat Sink (April 18, 2014) (ADAMS Accession No. ML14037A408).
NRC-044	William Ford	Hughes et al., Effect of hypersaline cooling canals on aquifer salinization, 18 Hydrogeology Journal 25 (2010) (ADAMS Accession No. ML15301A928).
NRC-045	Nicholas P. Hobbs	Sharqawy, et al., Thermophysical properties of seawater: a review of existing correlations and data, 16 Desalination and Water Treatment 354 (2010).



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NRC-046	Audrey L. Klett	Florida Power and Light, Turkey Point, Units 3 and 4 – License Amendment Request for Extended Power Uprate, Attachment 4; Licensing Report (December 14, 2010) (ADAMS Accession No. ML103560177).
NRC-047	Briana A. Grange	Atomic Energy Comm'n, Final Environmental Statement Related to Operation of Turkey Point Plant, Appendix C: Final Judgement Order, U.S. v. Florida Power and Light Company, No. 70-328-CA, (S.D. Fla. 1970), (July 1972) (ADAMS Accession No. ML092030310).
NRC-048	Audrey L. Klett	NUREG-0800, Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants: LWR Edition, Chapter 8.2, "Offsite Power System," Rev. 5 (May 2010) (ADAMS Accession No.) ML100740246).
NRC-049	N/A	NRC Staff's Initial and Rebuttal Statement of Position Regarding Contention 1
NRC-050		NRC Staff Hearing Exhibits