

ENCLOSURE 1

ST. LUCIE NUCLEAR PLANT UNITS 1 AND 2

SUBSEQUENT LICENSE RENEWAL APPLICATION

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- Enclosure 1 St. Lucie Nuclear Plant Units 1 and 2 Subsequent License Renewal Application Enclosures Summary
- Enclosure 2 Affidavits Supporting Withholding Proprietary Information from Public Disclosure Pursuant to 10 CFR 2.390
- Attachment 1 CAW-21-5192, Affidavit for Westinghouse proprietary portions of LTR-SDA-21-021-P Rev. 1, dated June 25, 2021 (Enclosure 5 Attachment 1)
- Attachment 2 CAW-21-5199, Affidavit for Westinghouse proprietary portions of LTR-SDA-II-20-31-P, Revision 2, dated July 14, 2021 (Enclosure 5 Attachment 2)
- Attachment 3 MSLEF-LTR-001 Rev. 0, Affidavit for BWXT proprietary portions of MSLEF-SR-01-P, "St. Lucie Unit I Replacement Steam Generator – Environmental Assisted Fatigue Report," dated July 16, 2021 (Enclosure 5 Attachment 3)
- Attachment 4 No. 86-9329644-001, Affidavit for Framatome proprietary portions of Document No. 86-9329644-001, entitled, "St. Lucie SLR CUFen Evaluations Summary," dated July 14, 2021 (Enclosure 5 Attachment 4)
- Attachment 5 CAW-21-5189, Affidavit for Westinghouse proprietary portions of WCAP-18617-P, Revision 1, dated June 3, 2021 (Enclosure 5 Attachment 5)
- Attachment 6 CAW-21-5180, Affidavit for Westinghouse proprietary portions of LTR-SDA-20-097-P, Rev. 2, dated May 5, 2021 (Enclosure 5 Attachment 6)
- Attachment 7 CAW-21-5201, Affidavit for Westinghouse proprietary portions of LTR-SDA-20-104-P, Rev. 2, dated July 9, 2021 (Enclosure 5 Attachment 7)
- Attachment 8 CAW-21-5173, Affidavit for Westinghouse proprietary portions of LTR-SDA-20-099-P Rev. 1, dated April 9, 2021 (Enclosure 5 Attachment 8)

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	<u>Attachment 9</u>	No. 86-9329645-000, Affidavit for Framatome proprietary portions of Document No 86-9329645-000, entitled, "St. Lucie SLR Crack Growth Analysis Summary," dated July 14, 2021 (Enclosure 5 Attachment 9)
	<u>Attachment 10</u>	LTR-SDA-II-20-31-P Rev. 2, Affidavit for Flowserve proprietary portions of LTR-SDA-II-20-31-P Rev. 2, dated July 29, 2021 (Enclosure 5 Attachment 2)
Enclosure 3		St. Lucie Nuclear Plant Units 1 and 2 Subsequent License Renewal Application (Public Version)
	<u>Attachment 1</u>	St. Lucie Nuclear Plant Units 1 and 2 Subsequent License Renewal Application (Public Version) August 2021
	<u>Attachment 2</u>	Appendix E Applicant's Environmental Report Subsequent Operating License Renewal Stage St. Lucie Nuclear Plant Units 1 and 2
Enclosure 4		Non-proprietary Reference Documents and Redacted Versions of Proprietary Reference Documents (Public Version)
	<u>Attachment 1</u>	Westinghouse Report LTR-REA-21-1-NP, Revision 1, St. Lucie Units 1 & 2 Subsequent License Renewal: Unit 1 Reactor Vessel, Vessel Support, and Bioshield Concrete Exposure Data, May 26, 2021
	<u>Attachment 2</u>	Westinghouse Report LTR-REA-21-2-NP, Revision 1, St. Lucie Units 1 & 2 Subsequent License Renewal: Unit 2 Reactor Vessel, Vessel Support, and Bioshield Concrete Exposure Data, June 7, 2021
	<u>Attachment 3</u>	Westinghouse Report LTR-SDA-21-021-NP, Revision 1, St. Lucie Units 1&2 Subsequent License Renewal: Reactor Pressure Vessel Supports Assessment, June 24, 2021
	<u>Attachment 4</u>	Westinghouse Report WCAP-18609-NP, Revision 2, St. Lucie Units 1 & 2 Subsequent License Renewal: Time-Limited Aging Analyses on Reactor Vessel Integrity, July 16, 2021

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- Attachment 5 Westinghouse Report LTR-SDA-II-20-32-NP, Revision 3, St. Lucie Units 1 & 2 Subsequent License Renewal: 80-Year Projected Transient Cycles, July 15, 2021
- Attachment 6 Westinghouse Report LTR-SDA-II-20-31-NP, Rev. 2, St. Lucie Units 1 & 2 Subsequent License Renewal: Primary Equipment and Piping Environmentally Assisted Fatigue Evaluations, July 14, 2021
- Attachment 7 BWXT Report MSLEF-SR-01-NP, Revision 0, St. Lucie Unit 1 Replacement Steam Generator Environmentally Assisted Fatigue Report (Non-Proprietary), July 16, 2021
- Attachment 8 Framatome Document No. 86-9329647-000, St. Lucie SLR CUFen Evaluations Summary – Non Proprietary, July 15, 2021
- Attachment 9 Structural Integrity Report No. 2001262.403, Revision 0, Summary of Fatigue Usage for Charging Nozzle at St. Lucie, Units 1 and 2 for Subsequent License Renewal, June 25, 2021
- Attachment 10 Westinghouse Report WCAP-18617-NP, Revision 1, St. Lucie Units 1 & 2 Subsequent License Renewal: Technical Justification for Eliminating Large Primary Loop Pipe Rupture as the Structural Design Basis, June 3, 2021
- Attachment 11 Westinghouse Report LTR-SDA-20-097-NP, Revision 2, St. Lucie Units 1 & 2 Subsequent License Renewal: Alloy 600 Half Nozzle Repair Flaw Evaluation, May 5, 2021
- Attachment 12 Westinghouse Report LTR-SDA-20-104-NP, Rev. 2, St. Lucie Units 1&2 Subsequent License Renewal: Evaluation of Time-Limited Aging Analysis of the Reactor Vessel Internals, July 9, 2021
- Attachment 13 Westinghouse Report LTR-SDA-20-099-NP, Revision 1, St. Lucie Units 1&2 Subsequent License Renewal: Task 9E RCP Casing Code Case N-481 Evaluation, April 7, 2021

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<u>Attachment 14</u>	Structural Integrity Report No. 2001262.402, Revision 1, Flaw Tolerance Evaluation of St. Lucie Units 1 and 2 CASS Components for SLR, July 15, 2021
<u>Attachment 15</u>	Framatome Document No. 86-9329648-000, St. Lucie SLR Crack Growth Analysis Summary – Non Proprietary, July 2, 2021
<u>Attachment 16</u>	Structural Integrity Report No. 2001262.401, Revision 1, Flaw Tolerance Evaluation of St. Lucie, Units 1 and 2 Surge Line Using ASME Code, Section XI, Appendix L for Subsequent License Renewal, July 15, 2021
Enclosure 5	10 CFR 2.390 Withheld Proprietary Documents
<u>Attachment 1</u>	Westinghouse Report LTR-SDA-21-021-P, Revision 1, St. Lucie Units 1&2 Subsequent License Renewal: Reactor Pressure Vessel Supports Assessment, June 24, 2021
<u>Attachment 2</u>	Westinghouse Report LTR-SDA-II-20-31-P, Rev. 2, St. Lucie Units 1 & 2 Subsequent License Renewal: Primary Equipment and Piping Environmentally Assisted Fatigue Evaluations, July 14, 2021
<u>Attachment 3</u>	BWXT Report MSLEF-SR-01-P, Revision 0, St. Lucie Unit 1 Replacement Steam Generator Environmentally Assisted Fatigue Report, July 16, 2021
<u>Attachment 4</u>	Framatome Document No. 86-9329644-001, St. Lucie SLR CUFen Evaluations Summary, July 15, 2021
<u>Attachment 5</u>	Westinghouse Report WCAP-18617-P, Revision 1, St. Lucie Units 1 & 2 Subsequent License Renewal: Technical Justification for Eliminating Large Primary Loop Pipe Rupture as the Structural Design Basis, June 3, 2021
<u>Attachment 6</u>	Westinghouse Report LTR-SDA-20-097-P, Revision 2, St. Lucie Units 1 & 2 Subsequent License Renewal: Alloy 600 Half Nozzle Repair Flaw Evaluation, May 5, 2021

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- Attachment 7 Westinghouse Report LTR-SDA-20-104-P, Rev. 2, St. Lucie Units 1&2 Subsequent License Renewal: Evaluation of Time-Limited Aging Analysis of the Reactor Vessel Internals, July 8, 2021
- Attachment 8 Westinghouse Report LTR-SDA-20-099-P, Revision 1, St. Lucie Units 1&2 Subsequent License Renewal: Task 9E RCP Casing Code Case N-481 Evaluation, April 7, 2021
- Attachment 9 Framatome Document No. 86-9329645-000, St. Lucie SLR Crack Growth Analysis Summary, July 1, 2021