

Turkey Point Units 3 and 4  
Docket Nos. 50-250 and 50-251  
L-2018-082 Enclosure 1

**Enclosure 1**

**Turkey Point Subsequent License Renewal Application**

**Enclosure Summary**

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**Enclosure 1** – Turkey Point Subsequent License Renewal Application Enclosure Summary

**Enclosure 2** – Applications for Withholding Proprietary Information from Public Disclosure Pursuant to 10 CFR 2.390

**Attachment 1** – CAW-17-4686 Affidavit for Westinghouse CUFs in SLR Tables (Enclosure 5 Attachment 1- SLRA Section 4, Attachment 4, & Attachment 5)

**Attachment 2** – CAW-17-4675 Affidavit for Westinghouse EAF Calculations (Enclosure 5 Attachment 1- SLRA Section 4 & Attachment 7)

**Attachment 3** – CAW-17-4621 Affidavit for Westinghouse LBB (Enclosure 5 Attachment 1- SLRA Section 4 & Attachment 9)

**Attachment 4** – EPRI Affidavit for MRP 2017-038 (Enclosure 5 Attachment 1 – SLRA Appendix C & Attachment 11)

**Attachment 5** – Areva Affidavit for Topical Reports

- i. ANP-3646P Revision 0 (Enclosure 5 Attachment 1 –SLRA Section 4 & Attachment 2)
- ii. ANP-3647P Revision 0 (Enclosure 5 Attachment 1 –SLRA Section 4 & Attachment 3)

**Attachment 6** – Framatome Affidavit for RT<sub>PTS</sub>, USE, ART and CUF Values in SLRA Tables (Enclosure 5 Attachment 1 – SLRA Section 4, Attachment 4, & Attachment 5)

**Attachment 7** – Areva Affidavit for EAF Calculations (Enclosure 5 Attachment 1 - SLRA Section 4 & Attachment 8)

**Attachment 8** – CAW-17-4674 Affidavit for PWROG 17033-P Update for Subsequent License Renewal: WCAP-13045, Compliance to ASME Code Case N-481 of the Primary Loop Pump Casings of Westinghouse Type Nuclear Steam Supply Systems dated October 2017 (Enclosure 5 Attachment 10)

**Attachment 9** – CAW-17-4683 Affidavit for Westinghouse Data Package for Pressurizer Spray and Surge Nozzle Analysis (Enclosure 5 Attachment 1 - SLRA Section 4 & Attachment 6)

**Enclosure 3** – Turkey Point Nuclear Plant Units 3 and 4 Subsequent License Renewal Application, Revision 1 (Public Version)

**Enclosure 4** – Non-proprietary Reference Documents and Redacted Versions of Proprietary Reference Documents (Public Version)

- a. **Attachment 1** – Westinghouse Letter No. LTR-REA-17-116-NP, Revision 0, Reactor Vessel Neutron Exposure Data
- b. **Attachment 2** – Areva Topical Report ANP-3646NP Revision 0
- c. **Attachment 3** – Areva Topical Report ANP-3647NP Revision 0
- d. **Attachment 4** – SIA Report No. 1700109.402P, Revision 4 – REDACTED
- e. **Attachment 5** – SIA Report No. 1700109.401P, Revision 5 – REDACTED

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- f. **Attachment 6** – SIA Environmentally Assisted Fatigue Calculations
  - i. Pressurizer Lower Head – 1700804.316P Revision 0 – REDACTED, 1700804.317 Revision 0, and 1700804.318 Revision 0,
  - ii. Pressurizer Spray Nozzle – 1700804.313P Revision 2 – REDACTED, 1700804.314P Revision 1 – REDACTED, and 1700804.315P Revision 2 – REDACTED
- g. **Attachment 7** – Westinghouse Environmentally Assisted Fatigue Calculations
  - i. LTR-SDA-II-17-13-NP, Rev. 2, Pressurizer Upper Head, RV Core Support Blocks
  - ii. LTR-CECO-17-025-NP, Rev. 1, Replacement Steam Generators
- h. **Attachment 8** – Areva Environmentally Assisted Fatigue Calculations: Areva Letter No. AREVA-17-02742, dated December 6, 2017, Final CUF<sub>EN</sub> Results – Turkey Point 3 & 4 – SLR EAF Analyses
  - i. 32-9280707, Rev. 0, CRDM Nozzle to Adapter Weld Connection
  - ii. 32-9280708, Rev. 0, Replacement RVCH J Groove
  - iii. 32-9280709, Rev. 0, CRDM Latch Housing
  - iv. 32-9280710, Rev. 0, Vent Nozzle
  - v. 32-9280711, Rev. 0, Reactor Vessel Flange
  - vi. 32-9280712, Rev. 0, CRDM Lower Joint
- i. **Attachment 9** – PWROG-17031-NP, Rev. 0 – Update for Subsequent License Renewal: WCAP-15338-A
- j. **Attachment 10** – PWROG-17011-NP, Rev. 0 – Update for Subsequent License Renewal: WCAP-14535A and WCAP-15666-A
- k. **Attachment 11** – WCAP-15354-NP, Rev. 1, Technical Justification for Eliminating Primary Loop Pipe Rupture as the Structural Design Basis
- l. **Attachment 12** – SIA Leak-Before-Break Evaluation for Auxiliary Lines 0901350-401 Rev. 3 and 0901350-304 Rev. 2
- m. **Attachment 13** – PWROG-17033-NP, Rev. 0, Update for Subsequent License Renewal: WCAP-13045

**Enclosure 5** – 10 CFR 2.390 Withheld Proprietary Documents

- a. **Attachment 1** – Turkey Point Nuclear Plant Units 3 and 4 Subsequent License Renewal Application, Revision 1 (Non-Public Version)
- b. **Attachment 2** – Areva Topical Report ANP-3646P Revision 0
- c. **Attachment 3** – Areva Topical Report ANP-3647P Revision 0
- d. **Attachment 4** – SIA Report No. 1700109.402P Revision 4
- e. **Attachment 5** – SIA Report No. 1700109.401P Revision 5
- f. **Attachment 6** – SIA EAF Calculations
  - i. Pressurizer Lower Head – SIA Calculation No. 1700804.316P Revision 0.

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- ii. Pressurizer Spray Nozzle – SIA Calculation Nos. 1700804.313P Revision 2, 1700804.314P Revision 1, and 1700804.315P Revision 2
- g. **Attachment 7** – Westinghouse EAF Calculations
  - i. Pressurizer Upper Head, RV Core Support Blocks – LTR-SDA-II-17-13-P, Revision 2
  - ii. Steam Generators LTR-CECO-17-025-P, Revision 1
- h. **Attachment 8** – Areva EAF Calculations (6)
  - i. CRDM Nozzle to Adapter Weld Connection – Areva Calculation No. 32-9279174, Revision 1, 12/14/17
  - ii. CRDM Nozzle J-Groove Weld - Areva Calculation No. 32-9279212, Revision 1, 12/12/17
  - iii. CRDM Latch Housing - Areva Calculation No. 32-9279367, Revision 1, 12/15/17
  - iv. CRDM Vent Nozzle - Areva Calculation No. 32-9279362, Revision 1, 12/14/17
  - v. CRDM Vessel Flange - Areva Calculation No. 32-9279161, Revision 1, 12/14/17
  - vi. CRDM Lower Joint - Areva Calculation No. 32-9280202, Revision 1, 12/15/17
- i. **Attachment 9** – WCAP-15354-P, Revision 1, Westinghouse LBB Analysis – Proprietary
- j. **Attachment 10** – PWROG-17033-P, Revision 0 – RCP Code Case N-481 – Proprietary
- k. **Attachment 11** – MRP 2017-038