

Request #9, NRC SIT Question#3 Information

3. Was there any analysis of why re-tensioning was required in past tendon surveillance activities (done at that time of surveillance testing)?

Response: There was no analysis performed during past surveillance testing years in which tendons were re-tensioned.

Additional information in response to the above question: See License Request No. 24 – NRC SIT Question# 18 folder, under sub-folder: "IWL - Tendon Surveillance History" for information, discussions and actions taken related to tendon lift-off testing and re-tensioning. Below shows the breakdown of the information contained in that folder and highlights specific areas related to the tendon lift-off testing and re-tensioning.

Breakdown of the "IWL - Tendon Surveillance History" Folder:

6th Surveillance:

File: WR 341602_ 6th-Surv.pdf:

General Contents: Pages 1-57, Work Request, general documents, parts lists.
 Pages 58-59, Surveillance Plan
 Pages 60-82, PSC Equipment lists and calibration certifications
 Pages 83-114, FPC Evaluation of the 6th Surveillance (**Section 5.0 relates to evaluation of the tendon lift-off testing and potential cause discussions**)
 Pages 115 – end, FPC Surveillance Procedure SP-182, Rev. 13

File: 6TH TENDON SURVEL TEST REPT.pdf:

General Contents: Pages (All), PSC 20th Year Surveillance of the Post-Tensioning System at the Crystal River Nuclear Plant Unit 3 – Final Report. (**Pages 34-39 relate to the tendon lift-off and detensioning, pages 42-45 relate to the tendon retensioning.**)

7th Surveillance:

File: WR 368426-1_7th-Surv.pdf:

General Contents: Pages 1-47, Work Request, general documents, parts lists.

Pages 48-50, FPC Evaluation of the 7th Surveillance (**page 49 relates to evaluation of the tendon force measurements**)

Pages 51-113, PSC Equipment lists and calibration certifications.

Pages 114 – 184, Misc. personnel information and certifications.

File: 7TH TENDON SURVEL TEST REPT.pdf:

General Contents: Pages 1-56, PSC 25th Year Surveillance of the Post-Tensioning System at the Crystal River Nuclear Plant Unit 3 – Final Report. (**Pages 27-30 relate to the tendon lift-off and detensioning, pages 33, 35-39 relate to the tendon retensioning.**)

Page 56-End, Calculation S01-0019, Preparation of Tendon Force Curves for the 7th Tendon Surveillance at CR3.

8th Surveillance:

File: 8TH TENDON SURVEL TEST REPT- Original.pdf:

General Contents: Pages 2-4, PEF Evaluation and acceptance of PSC Tendon Surveillance Results.

Pages 5-61, PSC Final Report for the 30th Year Containment IWL Inspection, 30th Year Tendon Surveillance (**pages 45-49, Section 8.0 relates to tendon lift-off and re-stressing, pages 52-53, Section 10.0 relates to tendon re-stressing, pages 68-69, testing conclusions**)

Pages 61-463, Final Report App. A - PSC field data sheets.

Pages 464–475, Final Report App. B – Testing Laboratory results.

Pages 476–489, Final Report App. C – PSC Nonconformance reports.

Pages 490–491, Final Report App. D – Field Changes

Pages 492–523, Final Report App. E – PSC Calibration records.

Pages 524–770, Final Report App. F – PSC Inservice Inspection Manual (procedures)

Pages 771–End, Final Report App. G – PSC Calibration verification reports.