

upgs

Lake, Louis

From: Lake, Louis *R2*
Sent: Thursday, December 10, 2009 8:42 AM
To: Dan naus
Subject: Emailing: !Request #9_NRC SIT Question#3 Information.docx
Attachments: !Request #24_NRC SIT Question#18 Information.docx; !Request #9_NRC SIT Question#3 Information.docx *3 pages* *2 pages*

Attached is a re sponse to Question #9 for your review.

Lou

The message is ready to be sent with the following file or link attachments:

!Request #9_NRC SIT Question#3 Information.docx

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License Request# 24, NRC SIT Question#18 Information

18 What were results of the last three IWE/IWL surveillance reports (provide actual complete reports)? Provide inspection procedures and including qualification of personnel information?

Enclosed in this folder in response to the above question [Note: Since the IWL rules went into effect in 2001 there have only been 2 IWL examinations performed (5 year requirement)]:

Breakdown of the "IWE/IWL - Examination History" Folder:

Folder: RFO11 - IWE

Sub Folder: RFO11 Examination

Files: RFO-11 IWE Examination.pdf

Sub Folder: RFO11 Personnel

Sub Folder: RFO11 Procedures

Folder: RFO12 – IWE-IWL

Sub Folder: RFO12 IWE-IWL Examination

Files: CR3_2001_IWE_IWL_EXAM_Vol 1.pdf

Files: CR3_2001_IWE_IWL_EXAM_Vol 2.pdf

Sub Folder: RFO12 Personnel

Sub Folder: RFO12 Procedures

Folder: RFO14 – IWE

Sub Folder: RFO14 IWE Examination

Files: 2005 Containment Inspection Program Summary.doc

Files: wo 702983-16 for IWE prior to ILRT 2005.pdf

Sub Folder: RFO14 Personnel

Sub Folder: RFO14 Procedures

Folder: RFO15 – IWE-IWL

Sub Folder: R15 IWE-IWL Examination

Files: R15 IWE-IWL Results.xls

Files: R15 WO 681043-08 - Liner-Containment Inspection.pdf

Files: R15 WO 681043-08 - Liner Inspection (supplement 1).pdf

Files: R15 WO 681043-08 - Liner UT Inspection.pdf

Sub Folder: RFO15 Personnel

Sub Folder: RFO15 Procedures

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.

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.

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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.

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.