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 DOCUMENT TITLE: FINAL REPORT FOR THE 30<sup>TH</sup> YEAR CONTAINMENT IWL INSPECTION  
 PROJECT TITLE: 30<sup>TH</sup> YEAR TENDON SURVEILLANCE AT CRYSTAL RIVER DATE: 02/04/2009



**6.0 TENDON ACCESSIBILITY**

- 6.1 The PSC field personnel performed a general examination for tendon accessibility during this surveillance period. This examination was performed in order to assist CR03ENG in the planning of future surveillances. The results are summarized in Tables 27 thru 38.
- 6.2 During this examination it was noted that small grease/oil leaks were occurring on multiple tendon caps, which were located inside existing structures that adjoin the containment building. The substance displacing from the tendon cap is actually the oil portion from the original P2 grease that has separated. This is a common occurrence that has been noted throughout many plants during tendon surveillances. This condition does not correspond to the system's degradation. A small amount of oil can cause a large aesthetically unpleasing condition. On buttresses without any coating, the oil is absorbed into the concrete, leaving very little signs of leakage. However, in the existing condition, the coated surface does not allow for the absorption to occur. Therefore, the oil continues to displace down the buttress face. PSC recommends this condition be monitored and cleaned on a periodic basis. Gasket replacement can be performed on the tendon cap, however the oil will continue to leak from the cap based on our experience. The labor and material required for the gasket replacement is not cost effective and PSC does not recommend performing such task.

**TABLE 27: 12V & 23V SERIES – TENDON ACCESSIBILITY MATRIX**

TENDON	ACCESSIBLE FOR COMPLETE INSPECTION	ACCESSIBLE FOR VISUAL INSPECTION ONLY	COMPLETELY INACCESS.	TENDON	ACCESSIBLE FOR COMPLETE INSPECTION	ACCESSIBLE FOR VISUAL INSPECTION ONLY	COMPLETELY INACCESS.
12V 01	T & B			23V 01	T & B		
12V 02	T & B			23V 02	T & B		
12V 03	T & B			23V 03	T & B		
12V 04	T & B			23V 04	T & B		
12V 05	T & B			23V 05	T & B		
12V 06	T & B			23V 06	T & B		
12V 07	T & B			23V 07	T & B		
12V 08	T & B			23V 08	T & B		
12V 09	T & B			23V 09	T & B		
12V 10	T & B			23V 10	T & B		
12V 11	T & B			23V 11	T & B		
12V 12	T & B			23V 12	T & B		
12V 13	T & B			23V 13	T & B		
12V 14	T & B			23V 14	T & B		
12V 15	T & B			23V 15	T & B		
12V 16	T & B			23V 16	T & B		
12V 17	T & B			23V 17	T & B		
12V 18	T & B			23V 18	T & B		
12V 19	T & B			23V 19	T & B		
12V 20	T & B			23V 20	T & B		
12V 21	T & B			23V 21	T & B		
12V 22	T & B			23V 22	T & B		
12V 23	T & B			23V 23	T & B		
12V 24	T & B			23V 24	T & B		

T = TOP CAN

B = BOTTOM END

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