

1. *Discuss any trends in the amount of primary-to-secondary leakage observed during the recently completed cycle.*

No discernible trend was identified in the calculated primary-to-secondary leakage during the recently completed cycle. Indicated leakage levels were significantly less than the lowest action level of 5 gallons per day and trended at or just above the limit of detectability.

2. *Discuss whether any secondary side pressure tests were performed during the outage and the associated results.*

No secondary side pressure tests have been performed during this outage and none are expected to be performed.

3. *Discuss any exceptions taken to the industry guidelines.*

Davis-Besse takes no exceptions to any of the industry guidelines.

4. *For each steam generator, provide a description of the inspections performed including the areas examined and the probes used (e.g., dents/dings, sleeves, expansion-transition), the scope of the inspection (e.g., 100 percent of dents/dings greater than 5 volts and a 20 percent sample between 2 and 5 volts), and the expansion criteria.*

From the Inspection Plan document, the inspection scope is as follows:

- 100% of all tubes from tube end to tube end with a bobbin coil. A separate sludge analysis (slg) will be performed by AIDA.
- Special interest examinations will be performed on bobbin signals as follows:
  - All confirmed wear at drilled TSP intersections shall be examined with a MRPC probe
  - All bobbin I codes will be examined with an Array probe
  - All bobbin indications potentially indicative of a foreign object will be examined with MRPC or Array probe
  - All bobbin indications potentially indicative of foreign object wear will be examined with MRPC or an Array probe
  - A sample of broached TSP wear will be examined with MRPC or an Array probe. The final sample size and makeup will be determined during the outage, but an initial scope would be a population of 25 flaws, concentrated on larger flaws, and all flaws  $\geq 15\%$  TWD. This can be modified based on actual inspection findings.
  - All DNT or DNG calls  $\geq 2V$  will be examined with MRPC or an Array probe
  - Any other location specified by DB Engineering or TIE as required to support CMOA
  - A sample of Tube-to-Tube wear indications, if detected, with an array or MRPC probe

All in-service tubes are being inspected full length with a bobbin probe therefore no scope expansion will be necessary. Special interest exams are not scope expansions per se. Identification of foreign objects or foreign object wear will result in additional exams to bound the tubes with indications.

5. *For each area examined (e.g., tube supports, dent/dings, sleeves), provide a summary of the number of indications identified to-date for each degradation mode (e.g., number of circumferential primary water stress corrosion cracking indications at the expansion transition). For the most significant indications in each area, provide an estimate of the severity of the indication (e.g., provide the*

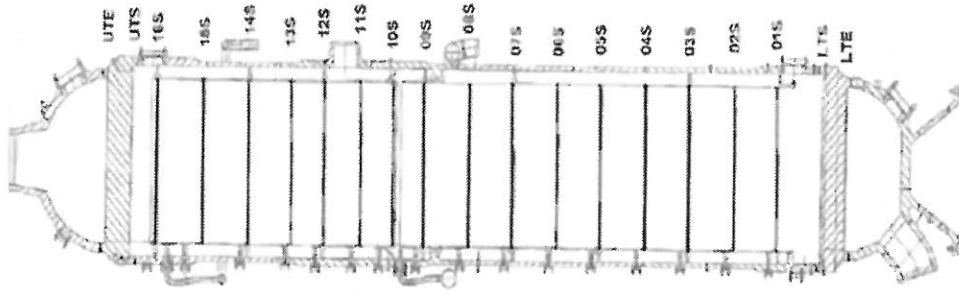
*voltage, depth, and length of the indication). In particular, address whether tube integrity (structural and accident induced leakage integrity) was maintained during the previous operating cycle. In addition, discuss whether any location exhibited a degradation mode that had not previously been observed at this location at this unit (e.g., observed circumferential primary water stress corrosion cracking at the expansion transition for the first time at this unit).*

Based on current inspection results, all flaws detected meet condition monitoring criteria for structural and leakage integrity and have done so for the entirety of the previous cycle.

The only degradation detected to date is wear at TSP intersections. This was expected and addressed in the Degradation Assessment. No unexpected modes of degradation have been identified.

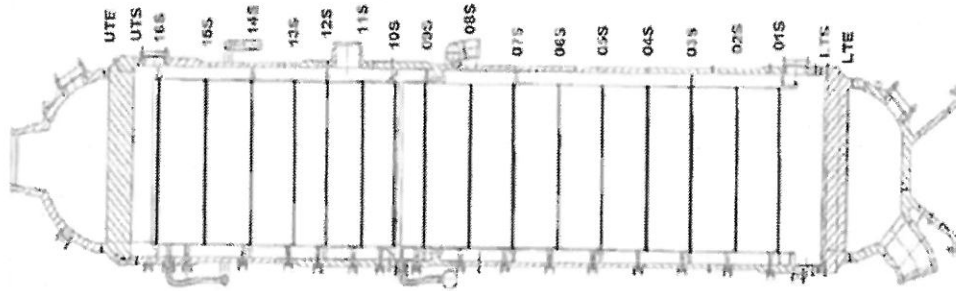
SG2A Indication Totals - 4/12/2016 11:58 AM

ADI	BLG	DDI	DNT	DSI	DTI	IDC	INC	LPI	NQI	OBS	FLP	PTB	PTR	PTU	PVN	SVI	TWD	VOL	WAR	WPX	WSI
UTE-UTR																					
UTR																					
UTR-UTS																					
UTS																					
UTS-16S																					
16S																	132				
16S-15S																	1				
15S				7													90				
15S-14S																					
14S																	72				
14S-13S																					
13S																	6				
13S-12S																					
12S																					
12S-11S																					
11S																					
11S-10S																					
10S																					
10S-09S																					
09S																					
09S-08S				3																	
08S																					
08S-07S																					
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07S-06S																					
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06S-05S																					
05S																					
05S-04S																					
04S																					
04S-03S																					
03S																					
03S-02S																					
02S																					
02S-01S				3																	
01S																					
01S-LTS				1																	
LTS																					
LTS-LTR																					
LTR																					
LTR-LTE																					
Total	2	0	0	7	7	0	0	0	0	0	0	0	0	0	0	0	351	0	0	0	0



SG1B Indication Totals - 4/12/2016 11:58 AM

ADI	BLG	DDI	DNI	DSI	DTI	IDC	INC	LPI	NQI	OBS	PLP	PTB	PTR	PTU	P/N	S/I	TWD	VOL	WAR	WPX	WSI
UTE-UTR																					
UTR																					
UTR-UTS																					
UTS																					
UTS-16S			1																		
16S																					
16S-15S	1		1														18				
15S																					
15S-14S																					
14S																					
14S-13S																					
13S																					
13S-12S																					
12S																					
12S-11S																					
11S																	4				
11S-10S																					
10S																					
10S-09S	2																				
09S																					
09S-08S	2																				
08S																					
08S-07S	1																				
07S																					
07S-06S																					
06S																					
06S-05S																					
05S																					
05S-04S	1																				
04S																					
04S-03S																					
03S																					
03S-02S																					
02S																					
02S-01S			4																		
01S																					
01S-LTS			2																		
LTS																					
LTS-LTR	1																				
LTR																					
LTR-LTE																					
Total	9	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0



QUERY: SG A TWD 30 and larger.qry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL #	LEG	PROBE
4	1	0.94	125	P1	TWD	32	16S -0.30	UTE	LTE					13	COLD	510UL
8	1	0.87	130	P1	TWD	31	16S -0.32	UTE	LTE					20	COLD	510UL
10	1	1.12	123	P1	TWD	34	16S -0.33	UTE	LTE					20	COLD	510UL
89	1	0.89	124	P1	TWD	31	16S -0.33	UTE	LTE					27	COLD	510UL

Total Tubes : 4

Total Records: 4

QUERY: SG B TWD 20 and larger.gry

ROW	COL	VOLTS	DEG	CHN	IND	%TW	LOCATION	EXT	EXT	UTIL	1	UTIL	2	CAL	#	LEG	PROBE
18	1	0.40	123	P1	TWD	21	16S -0.82	UTE	LTE					42		COLD	510UL
19	1	0.29	141	P1	TWD	17	16S -0.89	UTE	LTE					42		COLD	510UL
94	1	0.36	136	P1	TWD	17	16S -0.29	UTE	LTE					45		COLD	510UL
141	1	0.33	133	P1	TWD	17	16S -0.78	UTE	LTE					18		COLD	510UL

Total Tubes : 4  
Total Records: 4

6. *Describe repair/plugging plans.*

To date there are no indications that meet or exceed the Tech Spec plugging limit of 40% TWD. There is insufficient data at this point to perform a full-bundle, probabilistic operational assessment. Once enough data is available to perform the preliminary OA and a projected run time until the next inspection is established, a plugging limit more conservative than the Tech Spec limit may be implemented. Any tubes plugged will be stabilized full-length with an approved stabilizer.

7. *Describe in-situ pressure test and tube pull plans and results (as applicable and if available).*

All tubes inspected to date have met all applicable condition monitoring criteria. As such, in-situ pressure testing is neither planned nor anticipated. No tube pulls have been planned and none are anticipated.

8. *Discuss the following regarding loose parts:*

a. *What inspections are performed to detect loose parts*

All tubes are being examined full length with the bobbin probe and follow-up examinations of ambiguous indications are being performed with array and/or MRPC probes. Any tubes with indications potentially associated with foreign objects or foreign object wear will be further bounded with array or MRPC probes. Bobbin probe detection of wear and objects at the secondary tubesheet face is expected to be less challenging due to the lack of contact between the tube OD and the tubesheet, and due to the absence of an interfering expansion transition signal coincident with the tubesheet edge (i.e., the tubes are partially expanded, the transition is within the tubesheet).

b. *A description of any loose parts detected and their location within the SG (including the source or nature of the loose part, if known)*

To date no loose parts have been detected in either the primary or secondary side of any SG.

c. *If the loose parts were removed from the SG*

As no loose parts have been detected, none have been removed.

d. *Indications of tube damage associated with the loose parts*

The inspection results to date have no indications of any tube degradation that could have been caused by foreign objects.

9. *Discuss the scope and results of any secondary side inspection and maintenance activities (e.g., in-bundle visual inspections, feedring inspections, sludge lancing, assessing deposit loading).*

No secondary side inspections have been performed or are scheduled to be performed during this outage. The integral orifice plate in both SG are being adjusted as part of a maintenance activity to ensure desired operating range levels are achieved during subsequent operating cycles. The orifice plate rotation activity will be completed prior to the completion of eddy current examination.

10. *Discuss any unexpected or unusual results.*

No inspection results are outside the predictions of the Degradation Assessment. There have been no unusual or unexpected findings in the inspection results to date.

*11. Provide the schedule for steam generator-related activities during the remainder of the current outage.*

The inspection is projected to be completed on 14 April 2016 with plugging activities, if required, to commence thereafter. System closure and return to service will follow to support outage restart sequence.