Entergy

Entergy Operations, Inc.
17265 River Road
Killona, LA 70066
Tel 504 739 6650

W3F1-2000-0027
A4.05
PR

March 3, 2000

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

Subject: Waterford 3 SES
Docket No. 50-382
License No. NPF-38
12-Month Special Report SR-00-001-00 on the 9th
Refueling Steam Generator Tube Inservice Inspection

Gentlemen:

Attached is Special Report (SR) Number SR-00-001-00 for Entergy Operations, Inc (EOI) Waterford Steam Electric Station Unit 3. This report provides the complete results of the Refuel 9 Steam Generator Tube Inservice Inspection. This special report is being submitted pursuant to Technical Specifications 4.4.4.5.b and 6.9.2.

Very truly yours,

Everett P. Perkins Jr

E.P. Perkins
Director,
Nuclear Safety Assurance

EPP/RLW/rtk
Attachment

cc: E.W. Merschoff, NRC Region IV; N. Kalyanam, NRC-NRR; J. Smith; N.S. Reynolds; and the NRC Resident Inspectors Office

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SPECIAL REPORT
SR-00-001-00

STEAM GENERATOR EDDY CURRENT EXAMINATION (9^{TH} REFUELING OUTAGE)

INTRODUCTION

This report is submitted in accordance with Technical Specification 4.4.4.5.b. that requires the complete eddy current tests results from Refuel #9 to be submitted in a special report, pursuant to Technical Specification 6.9.2, within 12 months following the inspection.

The eddy current testing examination program was performed to meet and exceed the requirements of Technical Specification 3/4.4.4. EOI performed all S/G eddy current testing examinations in accordance with EPRI "PWR Steam Generator Examination Guidelines" and Appendix H qualified techniques. The Refuel #9 S/G eddy current testing program consisted of the following inspection plans:

- 100% Full Length Bobbin Coil examination of each S/G (S/G #1-8,972 tubes and S/G #2-8,974 tubes)

- 100% Hot Leg Top of the Tubesheet Inspection of the Expansion Transition Region (±2" at Tubesheet Plane) of each S/G utilizing a 3 Coil ["+Point" (+Pt.), 0.115" Pancake & 0.080" High Frequency].

- 20% of each S/G's low rows (1 - 3) from the 07H to the 07C Eggcrates utilizing a Rotating "+Pt." Coil. Note, the original scope was expanded to 100% in S/G #2 as a result of identifying one indication.

- Previous Hot and Cold Leg No Tube Expansion, Partial Tube Expansion and Bulge with Rotating "+Pt." (S/G #1-5 tubes and S/G #2-18 tubes).

- Special Interest 100% Bobbin I-Codes examined with "+Pt." and Wear ≥40%Through Wall (S/G #1-43 tubes and S/G #2-61 tubes).

- Special Interest 100% Bobbin Wear Indications examined with "+Pt." ≥20% - ≤39% Through Wall (S/G #1-56 tubes and S/G #2-62 tubes).

- Special Interest 100% Bobbin Dent Indications at Intersections ≥3.0 Volts with "+Pt." (S/G #1-72 tubes and S/G #1-80 tubes).

- Special Interest 20% Bobbin Ding Indications in the Freespan ≥5.0 Volts with "+Pt." (S/G #1-34 tubes and S/G #2-40 tubes).

- Visual Inspection of all plugs in each S/G plenum.

As required by the EPRI inspection guidelines, EOI S/G data analysts attended formal data analysis guideline training and were qualified to Waterford 3 site specific examinations prior to performing data analysis. Primary and Secondary data analysts were qualified to EPRI TR-107569-V1R5, "PWR Steam Generator Examination Guidelines," Appendix G.

Additionally, EOI utilized two independent S/G data analysis groups that operated from remote facilities via dedicated T-1 frame relay lines set-up between Waterford 3, FTI/Rockridge Technologies West Coast Division office located in Benecia, CA and Anatec International located in San Clemente, CA. The primary data analysis group was responsible for data management utilizing two independent systems (Framatome Data Management System FDMS and Zetec's Data Management System IMS). The use of two data management systems tracked the accuracy of the inspection program and verified that all tubes were inspected per the original scope and subsequent re-tests.

The 100% full length bobbin coil inspection program for both S/Gs (17,946 Tubes) identified one tube in each S/G that exceeded the Technical Specification of 40% through wall plugging limit of the nominal tube wall thickness, thus declaring both Waterford 3 S/Gs as C-2 (One or more tubes inspected are defective...). No further actions specific to additional inspections were required, since EOI performed 100% full length bobbin coil examination of both Waterford 3 S/Gs. The upper bundle wear indications were detected and sized in accordance with EOI's "S/G Eddy Current Data Analysis Guidelines" and ER-W3-99-0133-00-00, "Engineering Report for Demonstrating Equivalency to PWR S/G Examination Guidelines," Rev. 5, Volume 1. EOI also identified two wear indications, one in each S/G, that had a depth between 23% to 27% through wall at the cold leg batwing structure BW9. Both wear indications were re-tested and analyzed in the absolute channel "2" (400kHz), indicating that the wear was actually long indications spanning the entire batwing intersection. As a result of the bobbin wear indications that exceeded the Technical Specifications plugging limit and the long wear, the four tubes were removed from service by plugging.

The plugging method utilized FTI's inconel-690 mechanical plugs for both tube ends of the affected tubes.

The 100% S/G hot leg top of the tubesheet expansion transition region inspection was performed in accordance with EPRI guidelines and EOI's commitment to NRC Generic Letter 95-03, "Circumferential Cracking of S/G Tubes," Letter No. W3F1-95-0095. EOI's commitment to utilize the "+Pt." Coil for detecting top of the tubesheet crack-like indications identified eight tubes with hot leg Outer Diameter Stress Corrosion and Primary Water Stress Corrosion Cracking (ODSCC/PWSCC). All tubes with crack-like indications were plugged upon detection and removed from service. Five of the eight tubes contained circumferential hot leg indications. EOI installed stabilizers and plugged both ends of the five tubes with FTI inconel-690 mechanical plugs. The remaining 3 tubes contained axial indications and were also plugged on both ends with the FTI inconel-690 mechanical plugs.

As a result of the 20% inspection of each S/G's Row 1 - 3 tight radius U-bends utilizing rotating "+Pt.," EOI identified one tube in S/G #2 with a Single Circumferential Indication (SCI) 3.20 inches above the centerline of hot leg batwing BW1. The one PWSCC indication resulted in expanding the S/G #2 scope to 100% of the remaining tubes within this region. The expanded scope did not identify any additional indications. The one tight radius tube identified as having the SCI was removed from service by plugging both ends with FTI inconel-690 mechanical plugs.

As a result of the 100% full length bobbin coil examination, EOI identified eight eggcrate hot leg intersection ODSCC axial indications. Utilizing the bobbin coil as a screening tool, EOI identified 44 Distorted Signal Indications (DSI) at intersections that were spun with "+Pt.". The results identified eight small (Average Axial Length $\cong$ 0.35") axial indications. As a result of identifying the eight DSIs as positive indications, EOI spun 100% of all wear indications $\geq$20% - $\leq$39% through wall. The results of this expansion did not identify any additional axial indications at the eggcrate structures. The eight Single Axial Indications (SAIs) were removed from service by plugging both ends with FTI's inconel-690 mechanical plugs.

The 1 Single Volumetric Indication (SVI) identified in S/G #2 at 7C was flagged as a 28% through wall bobbin coil indication. Upon further diagnostic testing, utilizing the "+Pt." coil, the indication was reported as a SVI. This tube was removed from service by plugging both ends with FTI's inconel-690 mechanical plugs.

As a result of the 100% bobbin coil examination, EOI also identified 152 tubes with dented intersections that had a voltage response $\geq$3.0 volts. The identified

tubes were reported as Dented Indications (DNIs) and upon further diagnostic testing, utilizing the rotating "+Pt." coil, there were No Distinguishable Discontinuities (NDD) found. The 74 reported bobbin freespan DNIs were reported at voltage responses $\geq$5.0 volts. Upon further diagnostic testing, utilizing the "+Pt." Coil, there were no NDD found in the freespan Dings.

On March 7, 1999, EOI successfully completed all S/G eddy current examinations and plugging activities on Waterford 3. Additionally, EOI performed a visual inspection of both S/G tubesheets for evidence of leaking tube plugs. As a result of the tubesheet scans, EOI did not identify any leaking tube plugs, thus closing out the Waterford 3 S/G primary side inspection for Refuel #9.

TUBE INTEGRITY

Acceptable tube integrity was demonstrated at the end of cycle 9 and condition monitoring requirements on burst pressure (3ΔNOP) and accident leakage rates were satisfied for all forms of degradation mechanisms identified during the Refuel #9 S/G eddy current testing. All indications identified were well below their associated structural limits based on average tube material properties. The Waterford 3 Refuel #9 Condition Monitoring Report was documented via ER-W3-99-0276-00-00. The flaw evaluations were documented in Entergy Operations Engineering Report, "Steam Generator Tubing – Flaw Evaluation."

The methodology utilized for performing the evaluations relied on an assessment of tubing material mechanical properties and estimating the essential flaw parameters. The evaluations were performed in accordance with EPRI NP-6865-L, "Steam Generator Tube Integrity: Volumes 1 "Burst Test Results and Validation of Rupture Criteria (FTI Data);" and Volume 2, "Leak-Before-Break Analysis for Primary Water Stress Corrosion Cracking Near the Tubesheet (FTI Data)," dated June 1991.

PERCENTAGE OF TUBES PLUGGED

At the start of the Waterford 3 fuel Cycle 10, Waterford 3 currently has 390 tubes plugged in S/G #1 (4.1%) and 386 tubes plugged in S/G #2 (4.1%). Waterford 3's current plugging limit is 500 (5.3%) tubes per S/G. The current Safety Analysis maintains the 500 tube plugging limit in accordance with: ABB-CE Letter No. L-94-016, dated April 15, 1994, "Waterford 3 ECCS Performance Analysis Results for 3% MSSV Tolerance, 500 Plugged Tubes, and Revised Fuel Assembly Loss Coefficients."

RESULTS OF EXAMINATION

STEAM GENERATOR #1

The eddy current testing bobbin coil inspection of 8,972 tubes in S/G #1 resulted in the following distribution and analysis of indications:

- 161 Tubes Less Than 20% Through Wall
- 52 Tubes Greater Than or Equal to 20%, but Less Than 40% Through Wall
- 1 Tube long wear indication with maximum depth 23% Through Wall **(Plugged)**
- 1 Tube Greater Than or Equal to 40% Through Wall **(Plugged)**

Refer to Attachment 1 for the distribution of S/G #1 Bobbin Coil Indications and Attachment 1A for the list of S/G #1 Bobbin Coil Indications.

The S/G #1 hot leg top of the tubesheet 100% (8,972) inspection of the expansion transition region and vertical hot leg "+Pt." of DSIs resulted in the following analysis of Single Circumferential Indications and Single Axial Indications (SCI & SAI):

- 2 Tubes with SCIs. Hot Leg Top of the Tubesheet SCIs Stabilized on the Hot Leg and **Plugged** in both Plenums.
- 3 Tubes with SAIs. Hot Leg Top of the Tubesheet SAIs **Plugged** in both Plenums.
- 5 Tubes with SAIs at Hot Leg Vertical Intersections. Hot Leg SAIs **Plugged** in both Plenums.

Refer to Attachment 3 for the list of S/G #1 Rotating "+Pt." Coil Indications.

STEAM GENERATOR #2

The eddy current testing bobbin coil inspection of 8,974 tubes in S/G #2 resulted in the following distribution and analysis of indications:

- 169 Tubes Less Than 20% Through Wall
- 59 Tubes Greater Than or Equal to 20%, but Less Than 40% Through Wall

- 1 Tube long wear indication with maximum depth 27% Through Wall **(Plugged)**
- 1 Tube Greater Than or Equal to 40% Through Wall **(Plugged)**

Refer to Attachment 2 for the distribution of S/G #2 Bobbin Coil Indications and Attachment 2A for the list of S/G #2 Bobbin Coil Indications.

The S/G #2 hot leg top of the tubesheet 100% (8,974) inspection of the expansion transition region and vertical hot leg "+Pt." of DSIs resulted in the following analysis of Single Circumferential and Single Axial Indications (SCI & SAI):

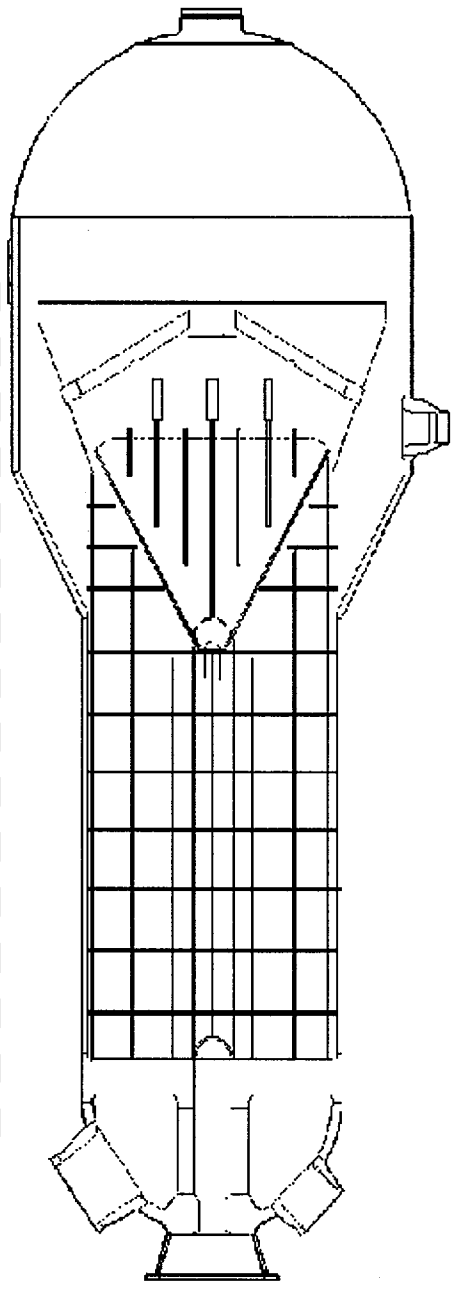
- 3 Tubes with SCIs. Hot Leg Top of the Tubesheet SCIs Stabilized on the Hot Leg and **Plugged** in both Plenums.
- 3 Tubes with SAIs at Hot Leg Vertical Intersections. Hot Leg SAIs **Plugged** in both Plenums.
- 1 Tube with a SVI at Cold Leg Vertical Intersection 07C. **Plugged** in both Plenums.
- 1 Tube with a SCI at Hot Leg Tight Radius U-Bend Location BW9. Hot Leg SCI at U-Bend **Plugged** in both Plenums.

Refer to Attachment 4 for the list of S/G #2 Rotating "+Pt." Coil Indications.

WATERFORD 3
REFUEL #9 - 02/99

DISTRIBUTION OF INDICATIONS
S/G #1 BOBBIN DATA

	DNT >=5 V	DNT <5 V	DNG >=5 V	DTI DSI	NQI	WAR <40	WAR >=40	
BW5		6		1		113		
			10					
BW4	3	1				39		
			13					
BW3	6	4				19		
			4					
BW2	3					11		
			1					
BW1	1	6				16		
			1					
10H	1	1				6		
			5		3			
09H		1		2		4		
			1					
08H	2			1		3		
			7					
07H				2				
			1		1			
06H				2				
			15					
05H	2	3		3				
			11		1			
04H				3				
			20					
03H		1						
			1		1			
02H		1		2				
			1					
01H		8		2				
			7		5			
TSH					7			



	WAR >=40	WAR <40		NQI	DTI DSI	DNG >=5 V	DNT <5 V	DNT >=5 V	
				1		9			
BW6	1	38			1		1	3	
				9					
BW7		8					2	6	
				4					
BW8		1					3	3	
				19					
BW9		25			3		1	1	
10C		1						1	
				3					
09C		2					2		
				1					
08C		4			1		1		
				5					
07C		2			2				
				1					
06C									
				2		3			
05C					1				
				5					
04C		1							
				3					
O3C					2				
				4					
02C							1	1	
				6					
01C					1			1	
				1					
TSC									

WAR >=40	WAR <40	NQI	DTI DSI	DNG >=5 V	DNT <5 V	DNT >=5 V	
1	293	22	29	170	43	34	TOTAL INDICATIONS
8972	8972	8972	8972	8972	8972	8972	TOTAL INSPECTED
0.0	3.3	0.2	0.3	1.9	0.5	0.4	IND PER 100 INSPECT
0.0	2.8	0.4	0.3	2.6	N/A	0.6	IND PER 100 INSPECT 1997

S/G #1 EDDY CURRENT TEST INDICATIONS

ROW	COLUMN	VOLTS	CHANNEL	INDICATION	%TW	LOCATION	INCHES	EXTENT	EXTENT	PROBE	CAL
67	11	1.03	P2	TWD	30	BW5	1	TEH	TEC	600UL	18
		1.03	P2	TWD	30	BW5	1	TEH	TEC	600UL	18
74	14	0.34	P2	TWD	15	BW4	0.92	TEH	TEC	600UL	19
		0.2	P2	TWD	8	BW1	-0.93	TEH	TEC	600UL	19
19	15	0.28	P2	TWD	13	BW5	-0.7	TEH	TEC	600UL	7
		0.27	P2	TWD	12	BW5	0.81	TEH	TEC	600UL	7
57	15	0.27	P2	TWD	11	BW5	-0.82	TEH	TEC	600UL	18
61	15	0.39	P2	TWD	15	BW6	0.76	TEH	TEC	600UL	18
		0.91	P2	TWD	27	BW6	-0.64	TEH	TEC	600UL	18
		0.34	P2	TWD	14	BW5	1.02	TEH	TEC	600UL	18
		0.41	P2	TWD	16	BW5	-0.88	TEH	TEC	600UL	18
36	16	0.31	P2	TWD	14	BW5	1.07	TEH	TEC	600UL	7
64	16	0.42	P2	TWD	19	BW5	-0.92	TEH	TEC	600UL	19
		0.26	P2	TWD	11	BW5	0.93	TEH	TEC	600UL	19
36	18	0.33	P2	TWD	11	BW5	-0.84	TEH	TEC	600UL	9
		0.24	P2	TWD	11	BW5	0.84	TEH	TEC	600UL	9
62	18	0.51	P2	TWD	11	BW4	0.96	TEH	TEC	600UL	18
82	18	0.26	P2	TWD	11	BW4	1.05	TEH	TEC	600UL	18
42	20	0.28	P2	TWD	11	BW5	-0.44	TEH	TEC	600UL	8
62	20	0.27	P2	TWD	11	BW4	0.76	TEH	TEC	600UL	18
81	21	0.46	P2	TWD	11	08C	0.78	TEH	TEC	600UL	18
32	22	0.26	P2	TWD	11	BW5	-0.75	TEH	TEC	600UL	9
78	22	0.32	P2	TWD	11	BW5	0.93	TEH	TEC	600UL	18
		0.38	P2	TWD	11	BW6	0.99	TEH	TEC	600UL	18
70	24	0.38	P2	TWD	11	BW6	0.9	TEH	TEC	600UL	20
		0.35	P2	TWD	11	BW5	-0.7	TEH	TEC	600UL	20
19	27	0.33	P2	TWD	11	BW5	0.78	TEH	TEC	600UL	11
67	27	0.22	P2	TWD	11	BW5	0.84	TEH	TEC	600UL	21
71	27	0.19	P2	TWD	11	BW4	-0.61	TEH	TEC	600UL	21
77	27	0.35	P2	TWD	11	BW6	1.07	TEH	TEC	600UL	20
		0.52	P2	TWD	11	BW6	-0.99	TEH	TEC	600UL	20
		0.29	P2	TWD	11	BW5	0.84	TEH	TEC	600UL	20

Row* - Greater Than Technical Specifications Plugging Limit
Row** - Long wear indication with max. depth 23%

S/G #1 EDDY CURRENT TEST INDICATIONS

ROW	COLUMN	VOLTS	CHANNEL	INDICATION	11	LOCATION	INCHES	EXTENT	EXTENT	PROBE	CAL
77	27	0.29	P2	TWD	11	BW5	-0.75	TEH	TEC	600UL	20
		0.32	P2	TWD	11	BW4	-0.81	TEH	TEC	600UL	20
87	27	0.4	P2	TWD	18	BW7	-0.72	TEH	TEC	600UL	21
50	28	0.3	P2	TWD	10	BW5	1	TEH	TEC	600UL	10 HR
		0.27	P2	TWD	10	BW5	1	TEH	TEC	600UL	21 ID
83	29	0.22	P2	TWD	11	BW5	-0.23	TEH	TEC	600UL	21
105	31	0.18	P2	TWD	7	BW7	-0.83	TEH	TEC	600UL	35
107	31	0.34	P2	TWD	14	BW7	-0.81	TEH	TEC	600UL	34
70	32	0.26	P2	TWD	9	08C	-0.17	TEH	TEC	600UL	23
100	32	0.34	P2	TWD	13	09H	-0.83	TEH	TEC	600UL	22
68	34	0.75	P2	TWD	25	04C	0	TEH	TEC	600UL	22
114	34	0.33	P2	TWD	14	BW9	2.1	TEH	TEC	600UL	34
61	35	0.37	P2	TWD	14	BW5	1.05	TEH	TEC	600UL	22
		0.37	P2	TWD	14	BW6	0.73	TEH	TEC	600UL	22
77	35	0.23	P2	TWD	8	BW4	1.17	TEH	TEC	600UL	22
		0.2	P2	TWD	7	BW5	0.99	TEH	TEC	600UL	22
		0.2	P2	TWD	6	BW5	-0.79	TEH	TEC	600UL	22
95	35	0.19	P2	TWD	7	BW3	0.81	TEH	TEC	600UL	23
105	35	0.87	P2	TWD	31	BW5	0.92	TEH	TEC	600UL	35
98	36	0.21	P2	TWD	8	BW3	-0.61	TEH	TEC	600UL	23
59	37	0.21	P2	TWD	8	BW6	-0.87	TEH	TEC	600UL	23
119	37	0.23	P2	TWD	10	10H	-1.75	TEH	TEC	600UL	35 LOC
76	38	0.19	P2	TWD	6	BW5	-0.76	TEH	TEC	600UL	22
80	38	0.2	P2	TWD	7	BW5	-0.91	TEH	TEC	600UL	22
		0.22	P2	TWD	7	BW4	1.03	TEH	TEC	600UL	22
		0.63	P2	TWD	22	BW6	-0.82	TEH	TEC	600UL	22
82	38	0.35	P2	TWD	14	BW5	-0.78	TEH	TEC	600UL	23
		0.98	P2	TWD	32	BW6	-0.81	TEH	TEC	600UL	23
21	39	0.28	P2	TWD	11	BW5	1.12	TEH	TEC	600UL	12
51	39	0.27	P2	TWD	11	BW6	0.75	TEH	TEC	600UL	23
113	39	0.42	P2	TWD	17	BW7	0.75	TEH	TEC	600UL	34
42	40	0.31	P2	TWD	12	BW5	1.05	TEH	TEC	600UL	12

Row* - Greater Than Technical Specifications Plugging Limit
Row** - Long wear indication with max. depth 23%

S/G #1 EDDY CURRENT TEST INDICATIONS

ROW	COLUMN	VOLTS	CHANNEL	INDICATION	%TW	LOCATION	INCHES	EXTENT	EXTENT	PROBE	CAL
50	40	0.25	P2		10	BW5	-0.71	TEH	TEC	600UL	12
39	41	0.68	P2	TWD	26	BW5	-0.84	TEH	TEC	600UL	13
45	41	1.34	P2	TWD	33	BW5	-0.85	TEH	TEC	600UL	12
55	41	0.25	P2	TWD	12	BW5	0.87	TEH	TEC	600UL	25
87	41	0.5	P2	TWD	21	BW9	2.46	TEH	TEC	600UL	25
102	42	0.53	P2	TWD	20	BW3	-0.64	TEH	TEC	600UL	34
120	42	0.23	P2	TWD	11	10H	-1.4	TEH	TEC	600UL	35
		0.29	P2	TWD	14	10H	1.41	TEH	TEC	600UL	35
37	45	0.34	P2	TWD	13	BW5	1.09	TEH	TEC	600UL	3
105	45	0.29	P2	TWD	12	BW7	1.14	TEH	TEC	600UL	34
44	46	0.68	P2	TWD	23	BW5	-0.95	TEH	TEC	600UL	3
		0.43	P2	TWD	15	BW5	0.83	TEH	TEC	600UL	3
67	47	0.35	P2	TWD	14	BW6	-0.46	TEH	TEC	600UL	32
45	49	0.34	P2	TWD	13	BW5	0.77	TEH	TEC	600UL	12
59	49	0.26	P2	TWD	13	BW5	0.89	TEH	TEC	600UL	33
131	51	0.25	P2	TWD	11	08C	0.71	TEH	TEC	600UL	48
		0.2	P2	TWD	9	10H	0.97	TEH	TEC	600UL	48
46	52	0.49	P2	TWD	18	BW5	0.89	TEH	TEC	600UL	14
43	53	0.41	P2	TWD	19	BW5	0.9	TEH	TEC	600UL	15
105	53	0.66	P2	TWD	24	BW3	-0.87	TEH	TEC	600UL	36
82	54	0.28	P2	TWD	11	BW5	-0.81	TEH	TEC	600UL	32
		0.73	P2	TWD	25	BW5	1.02	TEH	TEC	600UL	32
57	55	0.16	P2	TWD	8	BW4	0.71	TEH	TEC	600UL	33
50	56	0.31	P2	TWD	12	BW5	-0.77	TEH	TEC	600UL	14
		0.5	P2	TWD	18	BW5	0.8	TEH	TEC	600UL	14
120	56	0.35	P2	TWD	14	10H	1.35	TEH	TEC	600UL	36
23	57	0.23	P2	TWD	12	BW5	0.9	TEH	TEC	600UL	15
51	57	0.32	P2	TWD	13	BW4	0.79	TEH	TEC	600UL	30
28	58	0.18	P2	TWD	10	BW5	-0.9	TEH	TEC	600UL	15
76	58	0.23	P2	TWD	10	BW6	-0.89	TEH	TEC	600UL	31
120	58	0.25	P2	TWD	9	10H	-1.02	TEH	TEC	600UL	36
29	59	0.3	P2	TWD	12	BW5	-0.73	TEH	TEC	600UL	14

Row* - Greater Than Technical Specifications Plugging Limit
Row** - Long wear indication with max. depth 23%

S/G #1 EDDY CURRENT TEST INDICATIONS

ROW	COLUMN	VOLTS	CHANNEL	INDICATION	%TW	LOCATION	INCHES	EXTENT	EXTENT	PROBE	CAL
85	59	0.25	P2	TWD	12	BW4	-0.03	TEH	TEC	600UL	31
129	59	0.2	P2	TWD	9	BW3	-0.5	TEH	TEC	600UL	39
24	60	0.22	P2	TWD	12	BW5	-0.84	TEH	TEC	600UL	14
30	60	0.49	P2	TWD	18	BW5	0.79	TEH	TEC	600UL	14
32	60	0.21	P2	TWD	11	BW5	0.87	TEH	TEC	600UL	15
38	60	0.27	P2	TWD	11	BW5	0.91	TEH	TEC	600UL	14
138	60	0.49	P2	TWD	21	09H	-0.99	TEH	TEC	600UL	49
49	61	0.44	P2	TWD	16	08H	-1.14	TEH	TEC	600UL	14
81	61	0.34	P2	TWD	16	BW4	0.77	TEH	TEC	600UL	31
26	62	0.37	P2	TWD	14	BW9	-2.06	TEH	TEC	600UL	16
82	62	0.22	P2	TWD	11	BW4	-1.09	TEH	TEC	600UL	31
140	62	0.2	P2	TWD	6	BW1	-1.93	TEH	TEC	600UL	49
61	63	0.33	P2	TWD	15	BW5	0.82	TEH	TEC	600UL	31
63	63	0.31	P2	TWD	13	BW6	0.85	TEH	TEC	600UL	30
		0.27	P2	TWD	11	BW5	0.73	TEH	TEC	600UL	30
141	63	0.45	P2	TWD	20	BW1	-1.75	TEH	TEC	600UL	49
46	64	1.11	P2	TWD	31	BW5	-0.79	TEH	TEC	600UL	16
43	65	0.27	P2	TWD	14	BW5	-0.81	TEH	TEC	600UL	17
119	65	0.23	P2	TWD	13	BW2	0.56	TEH	TEC	600UL	43
137	65	0.21	P2	TWD	7	BW4	1.03	TEH	TEC	600UL	49
44	66	0.47	P2	TWD	22	BW5	0.84	TEH	TEC	600UL	17
48	66	0.4	P2	TWD	19	BW5	-0.67	TEH	TEC	600UL	17
50	66	0.94	P2	TWD	28	BW5	-0.73	TEH	TEC	600UL	16
31	67	0.29	P2	TWD	11	BW5	0.85	TEH	TEC	600UL	16
51	67	0.39	P2	TWD	15	BW5	-0.74	TEH	TEC	600UL	28
		1.09	P2	TWD	30	BW4	0.8	TEH	TEC	600UL	28
135	67	0.23	P2	TWD	12	BW3	-1.04	TEH	TEC	600UL	49
114	68	0.21	P2	TWD	12	BW1	-1.79	TEH	TEC	600UL	43
46	70	0.75	P2	TWD	24	BW5	0.76	TEH	TEC	600UL	16
100	70	0.3	P2	TWD	12	BW3	-0.7	TEH	TEC	600UL	28
117	71	0.29	P2	TWD	12	BW1	0.63	TEH	TEC	600UL	42
48	72	0.82	P2	TWD	30	BW5	-0.7	TEH	TEC	600UL	17

Row* - Greater Than Technical Specifications Plugging Limit
Row** - Long wear indication with max. depth 23%

S/G #1 EDDY CURRENT TEST INDICATIONS

ROW	COLUMN	VOLTS	CHANNEL	INDICATION	%TW	LOCATION	INCHES	EXTENT	EXTENT	PROBE	CAL
48	72	0.71	P2	TWD	28	BW5	0.09	TEH	TEC	600UL	17
		0.49	P2	TWD	22	BW5	0.89	TEH	TEC	600UL	17
144	72	0.18	P2	TWD	5	BW9	1.96	TEH	TEC	600UL	49
105	73	0.16	P2	TWD	7	BW5	0.83	TEH	TEC	600UL	42
145	73	0.6	P2	TWD	24	BW1	1.53	TEH	TEC	600UL	49
108	74	0.41	P2	TWD	16	BW3	-0.76	TEH	TEC	600UL	44
98	76	0.39	P2	TWD	17	BW3	-0.65	TEH	TEC	600UL	26
118	76	0.21	P2	TWD	11	BW4	1.04	TEH	TEC	600UL	45
138	76	0.2	P2	TWD	6	09C	-1.02	TEH	TEC	600UL	49
146	76	0.56	P2	TWD	23	BW1	1.99	TEH	TEC	600UL	49
51	77	1.05	P2	TWD	32	BW4	0.74	TEH	TEC	600UL	26
133	77	0.22	P2	TWD	8	BW3	-0.67	TEH	TEC	600UL	49
133	77	0.17	P2	TWD	5	BW4	-0.66	TEH	TEC	600UL	49
68	78	0.58	P2	TWD	21	BW6	1.12	TEH	TEC	600UL	27
136	78	0.3	P2	TWD	13	BW2	-0.8	TEH	TEC	600UL	48
146	78	0.2	P2	TWD	10	BW4	1.06	TEH	TEC	600UL	49
51**	**79**	**0.44**	**P2**	**TWD**	**19**	**BW9**	**1.51**	**TEH**	**TEC**	**600UL**	**26**
		0.61	**P2**	**TWD**	**23**	**BW9**	**-1.5**	**TEH**	**TEC**	**600UL**	**26**
61	79	0.24	P2	TWD	10	BW5	0.94	TEH	TEC	600UL	27
97	79	0.31	P2	TWD	14	BW3	-0.73	TEH	TEC	600UL	26
127	79	0.23	P2	TWD	11	08H	0.77	TEH	TEC	600UL	45
78	80	0.24	P2	TWD	11	BW6	1.02	TEH	TEC	600UL	26
		0.32	P2	TWD	15	BW5	-0.75	TEH	TEC	600UL	26
146	80	0.79	P2	TWD	28	BW1	-2	TEH	TEC	600UL	49
83	81	0.28	P2	TWD	11	BW3	1.01	TEH	TEC	600UL	99
107	81	0.16	P2	TWD	7	BW3	0.72	TEH	TEC	600UL	45
82	82	0.73	P2	TWD	21	BW5	0.87	TEH	TEC	600UL	100
130	82	0.22	P2	TWD	10	BW1	1.13	TEH	TEC	600UL	45
53	83	0.35	P2	TWD	17	BW9	1.75	TEH	TEC	600UL	99
119	83	0.37	P2	TWD	17	07C	-0.18	TEH	TEC	600UL	45
125	83	0.28	P2	TWD	11	BW5	-0.68	TEH	TEC	600UL	44
62	84	0.24	P2	TWD	12	BW9	-1.75	TEH	TEC	600UL	94

Row* - Greater Than Technical Specifications Plugging Limit
Row** - Long wear indication with max. depth 23%

S/G #1 EDDY CURRENT TEST INDICATIONS

ROW	COLUMN	VOLTS	CHANNEL	INDICATION	%TW	LOCATION	INCHES	EXTENT	EXTENT	PROBE	CAL
141	85	1.09	P2	TWD	32	BW3	-1.1	TEH	TEC	600UL	48
147	85	0.35	P2	TWD	16	09H	0.03	TEH	TEC	600UL	49
58	86	0.33	P2	TWD	15	BW9	2	TEH	TEC	600UL	93
60	86	0.68	P2	TWD	26	BW9	1.33	TEH	TEC	600UL	94
62	86	0.29	P2	TWD	13	BW9	2	TEH	TEC	600UL	93
80	86	0.4	P2	TWD	18	BW9	2	TEH	TEC	600UL	93
64	88	0.32	P2	TWD	15	BW9	1.72	TEH	TEC	600UL	94
138	88	0.3	P2	TWD	11	BW3	0.24	TEH	TEC	600UL	49
146	88	0.53	P2	TWD	20	BW1	2	TEH	TEC	600UL	49
		0.27	P2	TWD	13	BW9	2	TEH	TEC	600UL	49
147	89	0.43	P2	TWD	19	BW1	-2	TEH	TEC	600UL	49
126	90	0.31	P2	TWD	14	BW2	1	TEH	TEC	600UL	87
119	91	0.33	P2	TWD	14	BW6	-0.96	TEH	TEC	600UL	87
147	91	0.31	P2	TWD	13	BW9	1.83	TEH	TEC	600UL	51
130	94	0.36	P2	TWD	16	BW2	-0.81	TEH	TEC	600UL	87
145	95	0.28	P2	TWD	12	BW9	-2.14	TEH	TEC	600UL	51
76	96	0.33	P2	TWD	13	BW5	-0.66	TEH	TEC	600UL	91
82	96	0.23	P2	TWD	10	BW5	-0.64	TEH	TEC	600UL	92
83	97	0.36	P2	TWD	16	BW5	-0.95	TEH	TEC	600UL	92
		0.26	P2	TWD	12	BW6	-0.95	TEH	TEC	600UL	92
		0.21	P2	TWD	10	BW6	0.8	TEH	TEC	600UL	92
78	98	0.4	P2	TWD	17	BW6	0.74	TEH	TEC	600UL	92
49	99	0.37	P2	TWD	12	BW1	1.74	TEH	TEC	600UL	63
145	99	0.24	P2	TWD	10	BW9	1.97	TEH	TEC	600UL	51
78	100	0.41	P2	TWD	18	BW6	0.9	TEH	TEC	600UL	92
146	100	0.35	P2	TWD	15	BW9	-1.73	TEH	TEC	600UL	51
145	101	0.3	P2	TWD	13	BW1	2.09	TEH	TEC	600UL	51
		0.26	P2	TWD	11	BW9	2	TEH	TEC	600UL	51
106	102	0.29	P2	TWD	13	BW1	1.91	TEH	TEC	600UL	87
		0.47	P2	TWD	20	BW3	0.77	TEH	TEC	600UL	87
144	102	0.21	P2	TWD	9	BW9	2	TEH	TEC	600UL	51

Row* - Greater Than Technical Specifications Plugging Limit
Row** - Long wear indication with max. depth 23%

S/G #1 EDDY CURRENT TEST INDICATIONS

ROW	COLUMN	VOLTS	CHANNEL	INDICATION	%TW	LOCATION	INCHES	EXTENT	EXTENT	PROBE	CAL
145	103	0.27	P2	TWD	11	BW9	-2	TEH	TEC	600UL	51
		0.34	P2	TWD	15	BW9	2	TEH	TEC	600UL	51
		0.53	P2	TWD	21	BW1	1.81	TEH	TEC	600UL	51
		0.36	P2	TWD	15	BW2	-0.31	TEH	TEC	600UL	51
145	103	0.33	P2	TWD	14	BW7	0.88	TEH	TEC	600UL	51
		0.75	P2	TWD	27	BW8	0.83	TEH	TEC	600UL	51
45	105	0.23	P2	TWD	10	BW5	0.31	TEH	TEC	600UL	64
24	108	0.63	P2	TWD	23	BW5	1.05	TEH	TEC	600UL	64
42	108	0.96	P2	TWD	26	BW5	-0.73	TEH	TEC	600UL	63
		0.16	P2	TWD	5	BW5	0.88	TEH	TEC	600UL	63
78	108	0.41	P2	TWD	17	BW4	-0.97	TEH	TEC	600UL	68
		0.31	P2	TWD	13	BW5	-0.99	TEH	TEC	600UL	68
		0.19	P2	TWD	5	BW6	-0.56	TEH	TEC	600UL	68
143	109	0.28	P2	TWD	13	08H	0.83	TEH	TEC	600UL	50
108	110	0.32	P2	TWD	12	BW5	-0.35	TEH	TEC	600UL	85
39	111	0.26	P2	TWD	11	BW5	0.88	TEH	TEC	600UL	64
61	111	0.38	P2	TWD	13	BW4	0.75	TEH	TEC	600UL	67
22	112	0.26	P2	TWD	8	BW5	0.08	TEH	TEC	600UL	63
42	112	0.29	P2	TWD	9	BW5	-0.88	TEH	TEC	600UL	63
		0.25	P2	TWD	8	BW5	1.08	TEH	TEC	600UL	63
115	113	0.36	P2	TWD	14	BW2	0.12	TEH	TEC	600UL	85
141	113	0.35	P2	TWD	15	BW9	-1.85	TEH	TEC	600UL	51
49	115	0.23	P2	TWD	7	BW5	-0.74	TEH	TEC	600UL	63
37	117	0.37	P2	TWD	13	BW5	0.54	TEH	TEC	600UL	63
99	117	0.41	P2	TWD	17	BW4	-0.74	TEH	TEC	600UL	69
107	117	0.43	P2	TWD	18	BW5	-1.24	TEH	TEC	600UL	83
61	119	0.49	P2	TWD	19	BW4	1	TEH	TEC	600UL	69
97	119	0.45	P2	TWD	18	BW6	-0.64	TEH	TEC	600UL	69

Row* - Greater Than Technical Specifications Plugging Limit
Row** - Long wear indication with max. depth 23%

S/G #1 EDDY CURRENT TEST INDICATIONS

ROW	COLUMN	VOLTS	CHANNEL	INDICATION	%TW	LOCATION	INCHES	EXTENT	EXTENT	PROBE	CAL
135	119	1.16	P2	TWD	34	BW2	-1.02	TEH	TEC	600UL	50
		0.56	P2	TWD	23	BW2	0.99	TEH	TEC	600UL	50
		0.77	P2	TWD	28	BW3	0.93	TEH	TEC	600UL	50
		0.82	P2	TWD	29	BW4	-0.99	TEH	TEC	600UL	50
		0.71	P2	TWD	26	BW4	0.9	TEH	TEC	600UL	50
		0.3	P2	TWD	14	BW7	-0.9	TEH	TEC	600UL	50
137	119	0.24	P2	TWD	10	BW2	-0.67	TEH	TEC	600UL	51
72	120	0.71	P2	TWD	25	BW4	1.23	TEH	TEC	600UL	69
133	121	0.49	P2	TWD	20	BW2	-0.86	TEH	TEC	600UL	51
133	121	0.99	P2	TWD	32	BW2	0.98	TEH	TEC	600UL	51
		0.29	P2	TWD	12	BW3	-0.81	TEH	TEC	600UL	51
62	124	0.33	P2	TWD	13	BW5	0.17	TEH	TEC	600UL	69
74	124	0.57	P2	TWD	22	BW5	-0.71	TEH	TEC	600UL	69
		0.33	P2	TWD	14	BW5	1	TEH	TEC	600UL	69
		0.48	P2	TWD	19	BW6	-0.77	TEH	TEC	600UL	69
99	125	0.25	P2	TWD	9	BW3	0.19	TEH	TEC	600UL	71
133	125	0.29	P2	TWD	13	07C	-1.07	TEH	TEC	600UL	51
72	126	0.31	P2	TWD	10	BW4	-0.93	TEH	TEC	600UL	71
		0.74	P2	TWD	22	BW4	0.99	TEH	TEC	600UL	71
		0.43	P2	TWD	14	BW5	-1.02	TEH	TEC	600UL	71
82	126	0.17	P2	TWD	6	BW6	0.96	TEH	TEC	600UL	72
22	128	0.17	P2	TWD	4	BW5	0.97	TEH	TEC	600UL	60
76	128	0.37	P2	TWD	14	BW4	0.7	TEH	TEC	600UL	72
		0.32	P2	TWD	11	BW5	-0.84	TEH	TEC	600UL	72
		0.3	P2	TWD	10	BW5	-0.14	TEH	TEC	600UL	72
		0.32	P2	TWD	12	BW5	0.8	TEH	TEC	600UL	72
		0.35	P2	TWD	13	BW6	-0.86	TEH	TEC	600UL	72
		0.77	P2	TWD	27	BW6	0.9	TEH	TEC	600UL	72
124	128	0.26	P2	TWD	12	10C	0.25	TEH	TEC	600UL	82
68	130	0.33	P2	TWD	12	BW4	-1.17	TEH	TEC	600UL	71
50	134	0.31	P2	TWD	13	BW5	-0.73	TEH	TEC	600UL	59
29	135	0.29	P2	TWD	14	BW5	-0.64	TEH	TEC	600UL	59

Row* - Greater Than Technical Specifications Plugging Limit
Row** - Long wear indication with max. depth 23%

S/G #1 EDDY CURRENT TEST INDICATIONS

ROW	COLUMN	VOLTS	CHANNEL	INDICATION	%TW	LOCATION	INCHES	EXTENT	EXTENT	PROBE	CAL
55	137	0.21	P2	TWD	11	BW4	0.91	TEH	TEC	600UL	80
63	137	0.45	P2	TWD	20	BW5	-0.9	TEH	TEC	600UL	80
70*	**138**	0.29	P2	TWD	14	BW5	0.14	TEH	TEC	600UL	80
		0.52	P2	TWD	23	BW4	-0.85	TEH	TEC	600UL	80
		0.62	P2	TWD	25	BW4	1.07	TEH	TEC	600UL	80
		1.03	P2	TWD	34	BW5	-0.57	TEH	TEC	600UL	80
		1.38	P2	TWD	39	BW6	-0.77	TEH	TEC	600UL	80
		1.73	**P2**	**TWD**	**42**	**BW6**	**0.85**	**TEH**	**TEC**	**600UL**	**80**
82	138	0.13	P2	TWD	5	BW4	-0.94	TEH	TEC	600UL	80
		0.31	P2	TWD	14	BW5	0.57	TEH	TEC	600UL	80
82	138	0.86	P2	TWD	31	BW6	1.07	TEH	TEC	600UL	80
		0.22	P2	TWD	11	BW4	0.94	TEH	TEC	600UL	80
67	139	0.23	P2	TWD	11	08C	0.8	TEH	TEC	600UL	80
76	140	0.93	P2	TWD	27	BW6	0.85	TEH	TEC	600UL	79
82	140	0.3	P2	TWD	14	BW4	1.13	TEH	TEC	600UL	80
		0.8	P2	TWD	30	BW6	-0.76	TEH	TEC	600UL	80
		0.27	P2	TWD	13	BW6	1.02	TEH	TEC	600UL	80
71	141	0.21	P2	TWD	11	BW6	-0.1	TEH	TEC	600UL	80
78	142	0.26	P2	TWD	13	BW4	-0.9	TEH	TEC	600UL	80
		0.27	P2	TWD	13	BW5	0.25	TEH	TEC	600UL	80
		0.38	P2	TWD	18	BW6	-0.84	TEH	TEC	600UL	80
82	142	0.43	P2	TWD	20	BW6	-0.72	TEH	TEC	600UL	80
48	144	0.83	P2	TWD	28	BW5	-0.89	TEH	TEC	600UL	58
		0.35	P2	TWD	15	BW5	1.03	TEH	TEC	600UL	58
74	144	0.19	P2	TWD	10	BW5	0.96	TEH	TEC	600UL	78
		0.32	P2	TWD	16	BW6	1	TEH	TEC	600UL	78
		0.25	P2	TWD	13	BW1	-1.14	TEH	TEC	600UL	78
78	144	0.83	P2	TWD	30	BW4	0.79	TEH	TEC	600UL	78
		0.7	P2	TWD	27	BW4	-0.84	TEH	TEC	600UL	78
		0.34	P2	TWD	17	BW5	-0.67	TEH	TEC	600UL	78
		0.32	P2	TWD	16	BW5	0.35	TEH	TEC	600UL	78
		0.92	P2	TWD	32	BW6	0.94	TEH	TEC	600UL	78

Row* - Greater Than Technical Specifications Plugging Limit
Row** - Long wear indication with max. depth 23%

S/G #1 EDDY CURRENT TEST INDICATIONS

ROW	COLUMN	VOLTS	CHANNEL	INDICATION	%TW	LOCATION	INCHES	EXTENT	EXTENT	PROBE	CAL
84	144	0.48	P2	TWD	16	09H	-1.35	TEH	TEC	600UL	77
95	145	0.25	P2	TWD	12	09C	0.65	TEH	TEC	600UL	78
57	147	0.62	P2	TWD	21	BW5	0.42	TEH	TEC	600UL	77
81	147	0.33	P2	TWD	11	BW6	0.79	TEH	TEC	600UL	77
83	149	0.3	P2	TWD	25	BW7	1.06	TEH	TEC	600UL	78
44	156	0.3	P2	TWD	12	BW5	0.9	TEH	TEC	600UL	56
81	159	0.2	P2	TWD	6	BW9	1.92	TEH	TEC	600UL	75
79	161	0.28	P2	TWD	11	BW9	1.71	TEH	TEC	600UL	75
19	167	0.57	P2	TWD	20	BW5	0.66	TEH	TEC	600UL	53
41	169	0.28	P2	TWD	13	BW5	-0.78	TEH	TEC	600UL	54
19	171	0.23	P2	TWD	9	BW5	-1.31	TEH	TEC	600UL	53
22	174	0.39	P2	TWD	17	BW5	0.84	TEH	TEC	600UL	54

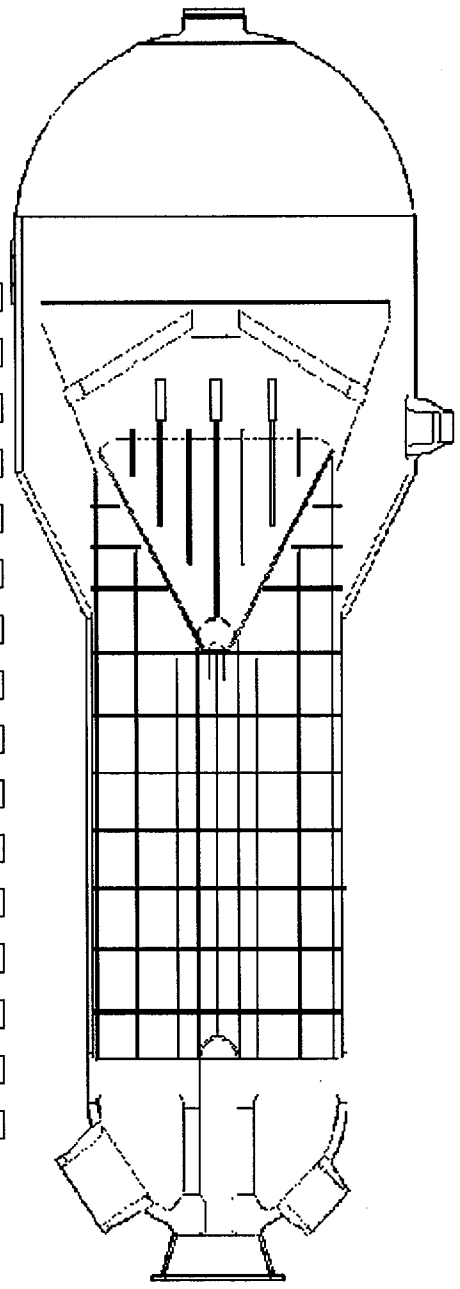
RF #9 S/G #1 EDDY CURRENT TEST INDICATIONS

Total Tubes: 213
Total Records: 296

Row* - Greater Than Technical Specifications Plugging Limit
Row** - Long wear indication with max. depth 23%

WATERFORD 3
REFUEL #9 - 02/99

DISTRIBUTION OF INDICATIONS
S/G #2 BOBBIN DATA



	DNT >=5 V	DNT <5 V	DNG >=5 V	DTI DSI	NQI	WAR <40	WAR >=40
BW5	1	3				104	
			9				
BW4	4					31	1
			1				
BW3	1	2				14	
			2				
BW2	2					2	
BW1		3		2		18	
10H	1	1				4	
09H	4					6	
			4				
08H	2	1		2		3	
			10		2		
07H	2			3		1	
			8				
06H				2		1	
			23		1		
05H		3		4		2	
			7				
04H		1		2		1	
			12		1		
03H		1		1			
			2				
02H	1	1		1			
			9		1		
01H	1	4		4		2	
			16		4		
TSH	1				1		

	WAR >=40	WAR <40	NQI	DTI DSI	DNG >=5 V	DNT <5 V	DNT >=5 V
			1		10		
BW6		30				2	6
					13		
BW7		16				3	6
					21		
BW8		16				4	2
					6		
BW9		26		1			2
10C		2				1	1
					8		
09C		8		1		2	1
					4		
08C		7		3			3
					5		
07C		7				2	4
					14		
06C		2		1		2	
					2		
05C		1		1		1	
					4		
04C		2	1	1			1
					7		
O3C				2			2
			1		5		
02C		2		5		1	
			1		8		
01C		1				5	
			1		10		
TSC			1				

WAR >=40	WAR <40	NQI	DTI DSI	DNG >=5 V	DNT <5 V	DNT >=5 V	
1	309	16	36	220	43	48	TOTAL INDICATIONS
8972	8972	8972	8972	8972	8972	8972	TOTAL INSPECTED
0.0	3.4	0.2	0.4	2.5	0.5	0.5	IND PER 100 INSPECT
0.1	3.1	0.6	0.5	2.7	N/A	0.6	IND PER 100 INSPECT 1997

S/G #2 EDDY CURRENT TEST INDICATIONS

ROW	COLUMN	VOLTS	CHANNNEL	INDICATION	%TW	LOCATION	INCHES	EXTENT	EXTENT	PROBE	CAL
19	3	1.09	P2	TWD	30	BW5	0.82	TEH	TEC	600UL	17
46	6	0.46	P2	TWD	17	BW5	-0.88	TEH	TEC	600UL	17
49	7	0.38	P2	TWD	14	01C	-0.02	TEH	TEC	600UL	17
34	8	0.35	P2	TWD	13	BW5	-0.64	TEH	TEC	600UL	17
39	9	0.47	P2	TWD	17	07C	-0.05	TEH	TEC	600UL	18
41	9	0.31	P2	TWD	12	BW5	-0.12	TEH	TEC	600UL	17
23	15	0.26	P2	TWD	11	BW5	-0.98	TEH	TEC	600UL	16
33	15	0.38	P2	TWD	14	BW5	-0.68	TEH	TEC	600UL	15
44	16	1.66	P2	TWD	39	BW5	-0.63	TEH	TEC	600UL	16
		0.3	P2	TWD	13	BW5	0.93	TEH	TEC	600UL	16
35	17	0.32	P2	TWD	14	BW5	-0.93	TEH	TEC	600UL	16
48	18	0.89	P2	TWD	29	BW5	-0.74	TEH	TEC	600UL	16
		0.29	P2	TWD	13	BW5	0.84	TEH	TEC	600UL	16
48	20	1.64	P2	TWD	39	BW5	0.96	TEH	TEC	600UL	14
74	20	0.41	P2	TWD	15	BW9	-2.12	TEH	TEC	600UL	1
90	20	0.58	P2	TWD	20	09H	-1.05	TEH	TEC	600UL	1
79	21	0.34	P2	TWD	14	BW9	1.91	TEH	TEC	600UL	2
81	21	0.34	P2	TWD	13	BW6	-0.8	TEH	TEC	600UL	1
10	24	0.33	P2	TWD	13	05H	0.96	TEH	TEC	600UL	106
76	24	0.33	P2	TWD	12	BW4	-1	TEH	TEC	600UL	4
		0.45	P2	TWD	16	BW5	-0.82	TEH	TEC	600UL	4
		0.39	P2	TWD	14	BW6	0.9	TEH	TEC	600UL	4
19	25	0.72	P2	TWD	25	BW5	-0.74	TEH	TEC	600UL	14
		0.42	P2	TWD	17	BW5	0.78	TEH	TEC	600UL	14
69	25	0.22	P2	TWD	8	BW5	0.88	TEH	TEC	600UL	3
		0.41	P2	TWD	15	BW6	0.93	TEH	TEC	600UL	3
79	25	0.34	P2	TWD	13	BW9	2.09	TEH	TEC	600UL	4
		0.21	P2	TWD	7	BW6	0.94	TEH	TEC	600UL	4
80	26	0.39	P2	TWD	14	08C	-0.99	TEH	TEC	600UL	3
82	26	0.25	P2	TWD	10	BW5	-0.9	TEH	TEC	600UL	4
		0.3	P2	TWD	12	BW6	-0.85	TEH	TEC	600UL	4
		0.24	P2	TWD	9	BW6	0.94	TEH	TEC	600UL	4

Row* - Greater Than Technical Specifications Plugging Limit
Row** - Long wear indication with max. depth 27%

S/G #2 EDDY CURRENT TEST INDICATIONS

ROW	COLUMN	VOLTS	CHANNNEL	INDICATION	%TW	LOCATION	INCHES	EXTENT	EXTENT	PROBE	CAL
81	27	0.24	P2	TWD	9	BW4	-0.81	TEH	TEC	600UL	3
		0.39	P2	TWD	14	BW6	1	TEH	TEC	600UL	3
78	28	0.22	P2	TWD	8	BW9	-2.09	TEH	TEC	600UL	4
		0.33	P2	TWD	12	BW6	-0.85	TEH	TEC	600UL	4
80	28	0.49	P2	TWD	17	BW6	1.08	TEH	TEC	600UL	3
82	28	0.29	P2	TWD	10	BW4	-0.74	TEH	TEC	600UL	4
		0.38	P2	TWD	13	BW5	-0.89	TEH	TEC	600UL	4
		0.78	P2	TWD	24	BW6	1.01	TEH	TEC	600UL	4
71	29	0.17	P2	TWD	7	BW5	0.6	TEH	TEC	600UL	6
103	29	0.92	P2	TWD	28	07C	1	TEH	TEC	600UL	23
94	30	0.73	P2	TWD	22	09C	0	TEH	TEC	600UL	6
46	32	0.55	P2	TWD	20	BW5	-0.75	TEH	TEC	600UL	11
81	33	0.29	P2	TWD	11	BW9	1.68	TEH	TEC	600UL	5
		0.54	P2	TWD	19	BW5	0.99	TEH	TEC	600UL	5
83	33	0.28	P2	TWD	11	BW5	1.17	TEH	TEC	600UL	6
10	34	0.26	P2	TWD	10	05H	0.98	TEH	TEC	600UL	106
46	34	0.32	P2	TWD	12	BW5	-0.91	TEH	TEC	600UL	11
		0.32	P2	TWD	12	BW5	1.08	TEH	TEC	600UL	11
69	35	0.31	P2	TWD	12	BW5	0.88	TEH	TEC	600UL	5
83	35	0.79	P2	TWD	24	BW5	1.01	TEH	TEC	600UL	6
		0.51	P2	TWD	17	BW7	-1.18	TEH	TEC	600UL	6
		0.54	P2	TWD	18	BW7	1.23	TEH	TEC	600UL	6
100	36	0.15	P2	TWD	5	BW5	-0.8	TEH	TEC	600UL	5
43	37	0.49	P2	TWD	18	BW5	-0.81	TEH	TEC	600UL	10
		0.46	P2	TWD	17	BW5	0.93	TEH	TEC	600UL	10
77	37	0.31	P2	TWD	11	BW4	0.94	TEH	TEC	600UL	7
		0.28	P2	TWD	11	BW5	-0.88	TEH	TEC	600UL	7
		0.33	P2	TWD	12	BW5	0.96	TEH	TEC	600UL	7
60	38	0.12	P2	TWD	4	BW4	0.65	TEH	TEC	600UL	7
41	39	0.32	P2	TWD	12	BW5	0.97	TEH	TEC	600UL	9
117	39	0.35	P2	TWD	14	BW5	-0.8	TEH	TEC	600UL	25

Row* - Greater Than Technical Specifications Plugging Limit
Row** - Long wear indication with max. depth 27%

S/G #2 EDDY CURRENT TEST INDICATIONS

ROW	COLUMN	VOLTS	CHANNNEL	INDICATION	%TW	LOCATION	INCHES	EXTENT	EXTENT	PROBE	CAL
44	40	0.37	P2	TWD	14	BW5	-0.88	TEH	TEC	600UL	10
		0.31	P2	TWD	12	BW5	0.92	TEH	TEC	600UL	10
46	40	0.27	P2	TWD	11	BW5	0.84	TEH	TEC	600UL	9
94	40	0.4	P2	TWD	16	BW3	-0.76	TEH	TEC	600UL	8
		0.27	P2	TWD	11	BW4	-0.97	TEH	TEC	600UL	8
94	40	0.25	P2	TWD	10	BW5	-0.98	TEH	TEC	600UL	8
		0.13	P2	TWD	5	BW6	-0.9	TEH	TEC	600UL	8
		0.63	P2	TWD	23	BW6	0.93	TEH	TEC	600UL	8
		0.25	P2	TWD	10	BW7	-0.28	TEH	TEC	600UL	8
76	42	0.25	P2	TWD	9	BW6	0.95	TEH	TEC	600UL	7
96	42	0.19	P2	TWD	6	BW3	-0.73	TEH	TEC	600UL	7
22	44	0.21	P2	TWD	8	BW5	-0.62	TEH	TEC	600UL	9
80	44	1.59	P2	TWD	37	BW4	-0.75	TEH	TEC	600UL	7
22	46	0.17	P2	TWD	6	BW5	0.82	TEH	TEC	600UL	9
48	46	0.36	P2	TWD	14	BW5	-0.83	TEH	TEC	600UL	10
77	47	0.25	P2	TWD	11	BW4	-0.71	TEH	TEC	600UL	35
44	48	0.5	P2	TWD	18	BW5	1.02	TEH	TEC	600UL	20
74	48	0.54	P2	TWD	19	BW4	0.91	TEH	TEC	600UL	36
		0.59	P2	TWD	20	BW5	0.93	TEH	TEC	600UL	36
		0.28	P2	TWD	11	BW6	0.83	TEH	TEC	600UL	36
80	48	0.6	P2	TWD	22	BW5	-0.87	TEH	TEC	600UL	35
77	49	0.36	P2	TWD	15	BW5	0.96	TEH	TEC	600UL	35
79	49	0.27	P2	TWD	10	BW6	-0.57	TEH	TEC	600UL	36
81	49	0.62	P2	TWD	23	BW5	1.01	TEH	TEC	600UL	35
		0.67	P2	TWD	24	BW6	-0.46	TEH	TEC	600UL	35
		0.36	P2	TWD	15	BW6	1.01	TEH	TEC	600UL	35
40	50	0.15	P2	TWD	6	BW5	0.89	TEH	TEC	600UL	20
44	50	0.48	P2	TWD	17	BW5	-0.78	TEH	TEC	600UL	20
60	50	0.3	P2	TWD	13	BW4	0.78	TEH	TEC	600UL	35
66	50	0.54	P2	TWD	19	BW9	1.9	TEH	TEC	600UL	36
9	51	0.41	P2	TWD	16	05C	0.75	TEH	TEC	600UL	106
47	51	0.35	P2	TWD	13	BW5	1.02	TEH	TEC	600UL	19

Row* - Greater Than Technical Specifications Plugging Limit
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S/G #2 EDDY CURRENT TEST INDICATIONS

ROW	COLUMN	VOLTS	CHANNNEL	INDICATION	%TW	LOCATION	INCHES	EXTENT	EXTENT	PROBE	CAL
61	51	0.49	P2	TWD	19	08H	-0.48	TEH	TEC	600UL	33
77	51	0.96	P2	TWD	30	BW4	-0.93	TEH	TEC	600UL	33
83	51	0.21	P2	TWD	8	BW7	0.95	TEH	TEC	600UL	34
107	51	0.26	P2	TWD	11	BW7	-0.75	TEH	TEC	600UL	37
133	51	0.21	P2	TWD	9	10H	0.9	TEH	TEC	600UL	48
44	52	0.43	P2	TWD	16	BW5	-0.93	TEH	TEC	600UL	20
		0.26	P2	TWD	10	BW5	1	TEH	TEC	600UL	20
80	52	0.24	P2	TWD	9	BW4	0.79	TEH	TEC	600UL	34
134	52	0.26	P2	TWD	11	BW1	1.15	TEH	TEC	600UL	48
134	52	0.36	P2	TWD	14	BW2	0.9	TEH	TEC	600UL	48
36	54	0.3	P2	TWD	11	BW5	-0.78	TEH	TEC	600UL	20
114	54	0.81	P2	TWD	27	BW7	1	TEH	TEC	600UL	37
124	54	0.39	P2	TWD	16	BW8	0.77	TEH	TEC	600UL	37
13	55	0.32	P2	TWD	12	07H	-0.7	TEH	TEC	600UL	19
21	55	0.2	P2	TWD	8	BW1	-0.85	TEH	TEC	600UL	19
43	55	0.19	P2	TWD	7	BW5	-0.83	TEH	TEC	600UL	20
107	55	0.43	P2	TWD	17	BW5	0.22	TEH	TEC	600UL	37
		0.6	P2	TWD	22	BW5	0.81	TEH	TEC	600UL	37
		0.56	P2	TWD	21	BW6	-0.93	TEH	TEC	600UL	37
24	56	0.24	P2	TWD	9	BW5	-0.62	TEH	TEC	600UL	20
94	56	0.25	P2	TWD	10	BW4	-0.89	TEH	TEC	600UL	34
49	57	0.43	P2	TWD	15	06H	-0.88	TEH	TEC	600UL	21
73	57	0.79	P2	TWD	26	BW6	0.92	TEH	TEC	600UL	33
77	57	0.43	P2	TWD	17	BW5	-0.83	TEH	TEC	600UL	33
81	57	0.94	P2	TWD	29	BW4	-0.71	TEH	TEC	600UL	33
		0.2	P2	TWD	8	BW5	0.98	TEH	TEC	600UL	33
70	60	0.26	P2	TWD	8	BW9	-1.65	TEH	TEC	600UL	32
77	61	0.81	P2	TWD	26	BW4	1.18	TEH	TEC	600UL	31
		0.35	P2	TWD	14	BW4	-0.93	TEH	TEC	600UL	31
81	61	0.24	P2	TWD	10	BW4	1	TEH	TEC	600UL	31
133	61	0.18	P2	TWD	4	BW3	0.59	TEH	TEC	600UL	47
		0.57	P2	TWD	19	BW5	0.77	TEH	TEC	600UL	47

Row* - Greater Than Technical Specifications Plugging Limit
Row** - Long wear indication with max. depth 27%

S/G #2 EDDY CURRENT TEST INDICATIONS

ROW	COLUMN	VOLTS	CHANNNEL	INDICATION	%TW	LOCATION	INCHES	EXTENT	EXTENT	PROBE	CAL
137	61	0.34	P2	TWD	12	09C	-0.87	TEH	TEC	600UL	47
46	64	0.91	P2	TWD	27	BW5	0.91	TEH	TEC	600UL	21
37	65	0.25	P2	TWD	8	BW5	-0.86	TEH	TEC	600UL	21
137	65	0.23	P2	TWD	9	BW5	-1.12	TEH	TEC	600UL	48
120	66	0.24	P2	TWD	10	10H	1.38	TEH	TEC	600UL	39
119	67	0.36	P2	TWD	14	09C	0.02	TEH	TEC	600UL	40
143	67	0.51	P2	TWD	19	BW8	0.57	TEH	TEC	600UL	48
20	68	0.27	P2	TWD	10	BW1	-2.04	TEH	TEC	600UL	22
		0.44	P2	TWD	16	BW5	-0.55	TEH	TEC	600UL	22
		0.24	P2	TWD	9	BW5	0.56	TEH	TEC	600UL	22
46	68	0.54	P2	TWD	19	BW5	-0.83	TEH	TEC	600UL	21
		0.61	P2	TWD	21	BW5	0.84	TEH	TEC	600UL	21
142	68	0.4	P2	TWD	15	10C	-0.17	TEH	TEC	600UL	48
43	69	0.55	P2	TWD	19	BW5	-0.78	TEH	TEC	600UL	21
		1.51	P2	TWD	36	BW5	0.97	TEH	TEC	600UL	21
141	69	0.34	P2	TWD	11	BW7	0.63	TEH	TEC	600UL	47
48	70	0.43	P2	TWD	16	BW5	-0.91	TEH	TEC	600UL	22
		0.33	P2	TWD	13	BW5	0.94	TEH	TEC	600UL	22
77	71	0.37	P2	TWD	14	BW4	1.32	TEH	TEC	600UL	29
		0.36	P2	TWD	14	BW5	0.86	TEH	TEC	600UL	29
92	72	0.42	P2	TWD	16	BW5	-0.74	TEH	TEC	600UL	29
47	73	0.45	P2	TWD	16	BW9	-1.86	TEH	TEC	600UL	22
141	75	0.5	P2	TWD	19	BW1	1.74	TEH	TEC	600UL	48
81	77	0.28	P2	TWD	11	BW9	-2	TEH	TEC	600UL	27
145	77	0.6	P2	TWD	21	BW8	-0.86	TEH	TEC	600UL	48
102	78	0.28	P2	TWD	11	BW3	-0.73	TEH	TEC	600UL	41
110	78	0.41	P2	TWD	14	BW6	-0.76	TEH	TEC	600UL	42
146	78	0.63	P2	TWD	21	BW9	1.6	TEH	TEC	600UL	48
143	79	0.31	P2	TWD	12	08C	0.83	TEH	TEC	600UL	48
146	80	0.44	P2	TWD	17	BW9	1.46	TEH	TEC	600UL	48
147	81	0.4	P2	TWD	16	09H	0.84	TEH	TEC	600UL	48
146	82	0.63	P2	TWD	22	BW1	1.5	TEH	TEC	600UL	48

Row* - Greater Than Technical Specifications Plugging Limit
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S/G #2 EDDY CURRENT TEST INDICATIONS

ROW	COLUMN	VOLTS	CHANNNEL	INDICATION	%TW	LOCATION	INCHES	EXTENT	EXTENT	PROBE	CAL
125	83	0.24	P2	TWD	10	BW4	0.95	TEH	TEC	600UL	41
145	83	0.46	P2	TWD	17	BW1	1.94	TEH	TEC	600UL	48
54	84	0.88	P2	TWD	28	BW1	-1.75	TEH	TEC	600UL	99
58	84	0.36	P2	TWD	14	BW1	-1.75	TEH	TEC	600UL	99
146	84	0.42	P2	TWD	16	BW9	1.8	TEH	TEC	600UL	48
97	85	0.27	P2	TWD	8	BW3	0.94	TEH	TEC	600UL	98
		0.28	P2	TWD	8	BW4	0.9	TEH	TEC	600UL	98
101	85	0.2	P2	TWD	9	BW4	0.81	TEH	TEC	600UL	41
105	85	0.36	P2	TWD	14	BW6	-0.68	TEH	TEC	600UL	41
145	85	0.34	P2	TWD	11	BW7	0.92	TEH	TEC	600UL	47
		0.77	P2	TWD	25	BW8	-0.8	TEH	TEC	600UL	47
		0.71	P2	TWD	23	BW8	0.88	TEH	TEC	600UL	47
		0.61	P2	TWD	21	BW9	-1.49	TEH	TEC	600UL	47
147	85	0.3	P2	TWD	12	BW1	-1.8	TEH	TEC	600UL	48
		0.4	P2	TWD	16	BW6	0.97	TEH	TEC	600UL	48
		0.63	P2	TWD	22	BW7	0.82	TEH	TEC	600UL	48
144	86	0.38	P2	TWD	13	BW1	1.97	TEH	TEC	600UL	47
67**	**87**	**0.92**	**P2**	**TWD**	**27**	**BW9**	**2**	**TEH**	**TEC**	**600UL**	**99**
81	87	0.35	P2	TWD	11	BW6	1	TEH	TEC	600UL	98
145	87	0.25	P2	TWD	10	BW9	-1.77	TEH	TEC	600UL	48
147	87	0.7	P2	TWD	23	BW2	-0.79	TEH	TEC	600UL	47
		0.51	P2	TWD	18	BW7	-0.86	TEH	TEC	600UL	47
		0.34	P2	TWD	12	BW7	0.56	TEH	TEC	600UL	47
		0.56	P2	TWD	19	BW8	-0.85	TEH	TEC	600UL	47
		1.1	P2	TWD	31	BW8	-0.05	TEH	TEC	600UL	47
54	88	0.53	P2	TWD	20	BW9	1.63	TEH	TEC	600UL	115
84	88	0.38	P2	TWD	12	BW7	0.85	TEH	TEC	600UL	98
		0.2	P2	TWD	4	BW4	-0.69	TEH	TEC	600UL	98
144	88	0.2	P2	TWD	8	BW9	1.8	TEH	TEC	600UL	48
146	88	0.74	P2	TWD	24	BW1	1.86	TEH	TEC	600UL	47
		0.72	P2	TWD	24	BW9	2.02	TEH	TEC	600UL	47
53	89	0.3	P2	TWD	11	08H	1.17	TEH	TEC	600UL	102

Row* - Greater Than Technical Specifications Plugging Limit
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S/G #2 EDDY CURRENT TEST INDICATIONS

ROW	COLUMN	VOLTS	CHANNNEL	INDICATION	%TW	LOCATION	INCHES	EXTENT	EXTENT	PROBE	CAL
135	89	0.33	P2	TWD	12	BW7	-0.49	TEH	TEC	600UL	101
145	89	0.35	P2	TWD	12	BW4	-0.91	TEH	TEC	600UL	45
		0.37	P2	TWD	13	BW7	-0.88	TEH	TEC	600UL	45
		0.74	P2	TWD	24	BW8	-0.74	TEH	TEC	600UL	45
		0.47	P2	TWD	16	BW8	1	TEH	TEC	600UL	45
146	90	0.25	P2	TWD	11	BW9	1.66	TEH	TEC	600UL	50
81	91	0.25	P2	TWD	9	BW4	1.07	TEH	TEC	600UL	96
147	91	0.74	P2	TWD	25	BW8	-0.82	TEH	TEC	600UL	50
		0.9	P2	TWD	28	BW8	-0.03	TEH	TEC	600UL	50
		0.48	P2	TWD	18	BW8	0.86	TEH	TEC	600UL	50
145	93	0.35	P2	TWD	11	BW9	1.95	TEH	TEC	600UL	49
54	94	0.34	P2	TWD	14	BW9	1.76	TEH	TEC	600UL	97
145	95	0.8	P2	TWD	22	BW8	-0.83	TEH	TEC	600UL	49
		0.3	P2	TWD	9	BW8	0.88	TEH	TEC	600UL	49
66	96	0.5	P2	TWD	19	BW1	2.08	TEH	TEC	600UL	97
81	97	0.88	P2	TWD	26	BW5	0.9	TEH	TEC	600UL	96
		0.27	P2	TWD	10	BW6	-0.62	TEH	TEC	600UL	96
144	100	0.27	P2	TWD	8	BW9	-1.86	TEH	TEC	600UL	49
139	101	0.31	P2	TWD	10	10H	-0.87	TEH	TEC	600UL	49
145	101	0.4	P2	TWD	16	BW3	0.9	TEH	TEC	600UL	50
69	103	0.86	P2	TWD	24	BW6	-0.63	TEH	TEC	600UL	78
69*	**103**	**2.46**	**P2**	**TWD**	**41**	**BW4**	**-0.72**	**TEH**	**TEC**	**600UL**	**78**
143	103	0.34	P2	TWD	14	BW9	-1.65	TEH	TEC	600UL	50
145	103	0.47	P2	TWD	18	BW9	1.74	TEH	TEC	600UL	50
114	106	0.49	P2	TWD	18	BW4	-0.13	TEH	TEC	600UL	93
144	106	1.19	P2	TWD	33	BW1	1.97	TEH	TEC	600UL	50
		0.27	P2	TWD	12	BW1	-1.98	TEH	TEC	600UL	50
77	107	0.31	P2	TWD	11	BW1	-0.6	TEH	TEC	600UL	76
83	107	0.42	P2	TWD	18	BW3	-0.81	TEH	TEC	600UL	77
21	109	0.34	P2	TWD	13	BW5	0.82	TEH	TEC	600UL	67
113	109	0.6	P2	TWD	21	BW3	0.83	TEH	TEC	600UL	93
24	110	0.25	P2	TWD	10	BW5	-0.77	TEH	TEC	600UL	67

Row* - Greater Than Technical Specifications Plugging Limit
Row** - Long wear indication with max. depth 27%

S/G #2 EDDY CURRENT TEST INDICATIONS

ROW	COLUMN	VOLTS	CHANNNEL	INDICATION	%TW	LOCATION	INCHES	EXTENT	EXTENT	PROBE	CAL
19	111	0.23	P2	TWD	9	BW5	0.83	TEH	TEC	600UL	65
121	111	0.18	P2	TWD	8	BW7	0.92	TEH	TEC	600UL	90
137	111	0.34	P2	TWD	14	BW8	-0.88	TEH	TEC	600UL	50
32	112	0.42	P2	TWD	15	BW5	0.69	TEH	TEC	600UL	65
114	112	0.28	P2	TWD	12	BW3	0.81	TEH	TEC	600UL	90
19	113	0.29	P2	TWD	12	BW5	-0.56	TEH	TEC	600UL	65
		0.2	P2	TWD	8	BW5	1.05	TEH	TEC	600UL	65
135	113	0.84	P2	TWD	26	BW8	0.09	TEH	TEC	600UL	49
106	116	0.31	P2	TWD	13	BW7	-0.9	TEH	TEC	600UL	90
19	117	0.73	P2	TWD	24	BW5	-0.51	TEH	TEC	600UL	65
77	117	0.46	P2	TWD	15	BW6	-0.76	TEH	TEC	600UL	74
91	117	0.22	P2	TWD	10	BW3	-0.62	TEH	TEC	600UL	75
133	117	0.54	P2	TWD	20	BW3	0.94	TEH	TEC	600UL	50
74	118	0.72	P2	TWD	24	BW4	-0.62	TEH	TEC	600UL	73
		0.84	P2	TWD	26	BW5	-0.67	TEH	TEC	600UL	73
83	121	0.28	P2	TWD	11	BW3	-0.78	TEH	TEC	600UL	73
		0.93	P2	TWD	28	BW4	-0.76	TEH	TEC	600UL	73
		1.3	P2	TWD	33	BW5	-0.08	TEH	TEC	600UL	73
		1.1	P2	TWD	31	BW6	-0.85	TEH	TEC	600UL	73
37	125	0.38	P2	TWD	14	BW5	-1.04	TEH	TEC	600UL	62
127	125	0.36	P2	TWD	13	06C	-0.95	TEH	TEC	600UL	88
41	127	0.49	P2	TWD	17	BW5	1.15	TEH	TEC	600UL	60
131	127	0.39	P2	TWD	15	BW1	2	TEH	TEC	600UL	50
82	128	0.88	P2	TWD	25	BW5	1.03	TEH	TEC	600UL	70
		0.44	P2	TWD	15	BW6	0.97	TEH	TEC	600UL	70
125	131	0.31	P2	TWD	12	02C	0.86	TEH	TEC	600UL	87
125	133	0.29	P2	TWD	9	BW4	-0.95	TEH	TEC	600UL	86
100	134	0.32	P2	TWD	12	07C	-0.24	TEH	TEC	600UL	68
124	134	1.34	P2	TWD	34	06C	-0.99	TEH	TEC	600UL	86
		0.6	P2	TWD	20	07C	-1.03	TEH	TEC	600UL	86
		0.49	P2	TWD	17	10C	0.69	TEH	TEC	600UL	86

Row* - Greater Than Technical Specifications Plugging Limit
Row** - Long wear indication with max. depth 27%

S/G #2 EDDY CURRENT TEST INDICATIONS

ROW	COLUMN	VOLTS	CHANNNEL	INDICATION	%TW	LOCATION	INCHES	EXTENT	EXTENT	PROBE	CAL
92	136	0.34	P2	TWD	11	07C	0.86	TEH	TEC	600UL	80
		0.31	P2	TWD	10	BW4	-0.64	TEH	TEC	600UL	80
40	138	0.24	P2	TWD	9	04H	0.07	TEH	TEC	600UL	53
70	138	0.26	P2	TWD	8	BW5	0.26	TEH	TEC	600UL	80
41	139	0.45	P2	TWD	16	BW5	0.91	TEH	TEC	600UL	52
79	139	0.52	P2	TWD	17	08C	-0.22	TEH	TEC	600UL	80
119	139	0.41	P2	TWD	14	10H	-1.65	TEH	TEC	600UL	86
37	141	0.4	P2	TWD	15	BW5	-0.7	TEH	TEC	600UL	54
109	141	0.28	P2	TWD	11	BW5	0.87	TEH	TEC	600UL	87
85	143	0.25	P2	TWD	10	BW3	-0.83	TEH	TEC	600UL	81
105	143	0.37	P2	TWD	12	BW6	-0.56	TEH	TEC	600UL	86
		0.38	P2	TWD	13	BW3	1.12	TEH	TEC	600UL	86
		0.65	P2	TWD	21	09H	-0.96	TEH	TEC	600UL	86
113	143	0.32	P2	TWD	10	04C	-0.99	TEH	TEC	600UL	86
34	144	0.28	P2	TWD	12	BW5	-0.76	TEH	TEC	600UL	54
84	144	0.28	P2	TWD	12	09H	-1.09	TEH	TEC	600UL	81
96	144	0.42	P2	TWD	17	08C	-1.04	TEH	TEC	600UL	81
45	145	1.17	P2	TWD	32	BW5	-0.77	TEH	TEC	600UL	54
		0.6	P2	TWD	21	BW5	0.72	TEH	TEC	600UL	54
47	147	0.46	P2	TWD	19	BW5	-0.88	TEH	TEC	600UL	55
		0.75	P2	TWD	27	BW5	0.97	TEH	TEC	600UL	55
91	147	0.4	P2	TWD	13	09C	-0.97	TEH	TEC	600UL	82
103	147	0.44	P2	TWD	15	09C	-1.04	TEH	TEC	600UL	86
41	149	1.14	P2	TWD	31	BW5	1.01	TEH	TEC	600UL	54
43	149	0.45	P2	TWD	18	BW5	0.76	TEH	TEC	600UL	55
49	149	0.83	P2	TWD	26	BW5	0.78	TEH	TEC	600UL	54
101	149	0.6	P2	TWD	20	09C	0.71	TEH	TEC	600UL	87
		0.56	P2	TWD	19	09C	-1.06	TEH	TEC	600UL	87
57	151	0.35	P2	TWD	14	07C	-0.9	TEH	TEC	600UL	83
96	152	0.36	P2	TWD	15	09H	-0.97	TEH	TEC	600UL	83
96	152	0.18	P2	TWD	7	09H	0	TEH	TEC	600UL	83
40	154	0.26	P2	TWD	11	BW5	0.95	TEH	TEC	600UL	57

Row* - Greater Than Technical Specifications Plugging Limit
Row** - Long wear indication with max. depth 27%

S/G #2 EDDY CURRENT TEST INDICATIONS

ROW	COLUMN	VOLTS	CHANNNEL	INDICATION	%TW	LOCATION	INCHES	EXTENT	EXTENT	PROBE	CAL
44	154	0.23	P2	TWD	10	BW5	-0.69	TEH	TEC	600UL	57
64	154	0.22	P2	TWD	9	BW6	-0.81	TEH	TEC	600UL	83
37	155	0.72	P2	TWD	24	BW5	-0.91	TEH	TEC	600UL	56
76	156	0.19	P2	TWD	8	BW4	0.92	TEH	TEC	600UL	83
37	157	0.44	P2	TWD	16	BW5	-0.96	TEH	TEC	600UL	56
		0.25	P2	TWD	9	BW5	1.09	TEH	TEC	600UL	56
85	157	0.23	P2	TWD	7	09C	-1.33	TEH	TEC	600UL	82
38	158	0.34	P2	TWD	13	BW5	1.06	TEH	TEC	600UL	56
59	159	0.2	P2	TWD	8	08C	-0.87	TEH	TEC	600UL	84
71	159	0.29	P2	TWD	11	BW4	-0.5	TEH	TEC	600UL	84
		0.29	P2	TWD	11	08H	-0.19	TEH	TEC	600UL	84
70	160	0.56	P2	TWD	20	08C	0.77	TEH	TEC	600UL	84
82	160	0.43	P2	TWD	16	BW9	1.76	TEH	TEC	600UL	84
14	164	0.48	P2	TWD	18	04C	-0.43	TEH	TEC	600UL	58
52	164	0.42	P2	TWD	14	BW9	1.8	TEH	TEC	600UL	85
62	164	0.29	P2	TWD	11	08C	0.75	TEH	TEC	600UL	84
67	165	0.19	P2	TWD	7	07C	0.73	TEH	TEC	600UL	84
41	167	0.43	P2	TWD	16	BW5	0.81	TEH	TEC	600UL	59
45	167	0.58	P2	TWD	21	BW5	-0.48	TEH	TEC	600UL	59
26	170	0.31	P2	TWD	12	BW1	-0.65	TEH	TEC	600UL	59
18	174	0.44	P2	TWD	17	02C	-0.91	TEH	TEC	600UL	58
1	175	0.42	P2	TWD	16	01H	0.12	TEH	TEC	580SF	112
		0.44	P2	TWD	18	01H	0.11	07H	TEH	600UL	95
11	175	0.58	P2	TWD	21	BW1	1.8	TEH	TEC	600UL	58

RF #9 S/G #2 EDDY CURRENT TEST INDICATIONS

Total Tubes : 228
Total Records: 310

Row* - Greater Than Technical Specifications Plugging Limit
Row** - Long wear indication with max. depth 27%

S/G #1 Plugged Tubes Based on Rotating "+Pt." Coil "Crack-Like" Indications

ROW	COLUMN	VOLTS	CHANNEL	INDICATION	LOCATION	INCHES	EXTENT	EXTENT	PROBE	CAL#
49	47	0.48	2	SAI	05H	0.9	05H	05H	600PP	123
45	53	0.22	2	SAI	TSH	0.21	TSH	TSH	600PP	37
15	63	0.48	P1	SCI	TSH	-0.03	TSH	TSH	600PP	38
72	80	0.54	2	SAI	04H	0.83	04H	04H	600PP	123
57	91	0.61	2	SAI	TSH	-1.16	TSH	TSH	600PP	113
		0.35	2	SAI	TSH	-0.97	TSH	TSH	600PP	113
82	92	0.32	2	SAI	05H	0.75	05H	05H	600PP	124
86	98	0.37	2	SAI	07H	-0.21	07H	07H	600PP	124
70	120	1.21	2	SAI	TSH	-0.35	TSH	TSH	600PP	83
19	123	0.21	P1	SCI	TSH	0	TSH	TSH	600PP	108
26	126	0.33	2	SAI	04H	0.6	04H	04H	600PP	124

Total Tubes: 10
Total Records: 11

S/G #2 Plugged Tubes Based on Rotating "+Pt." Coil "Crack-Like and Volumetric" Indications

ROW	COLUMN	VOLTS	CHANNEL	INDICATION	LOCATION	INCHES	EXTENT	EXTENT	PROBE	CAL#
103	29	0.52	2	SVI	07C	1	07C	07C	600PP	119
1	43	3.8	P2	SCI	BW1	3.2	07H	07C	540PF	116
70	76	0.47	P1	SCI	TSH	0	TSH	TSH	600PP	31
71	85	2.26	P1	SCI	TSH	-0.01	TSH	TSH	600PP	36
70	96	0.4	P1	SCI	TSH	-0.01	TSH	TSH	600PP	56
63	103	0.25	2	SAI	01H	0.91	01H	01H	600PP	100
75	135	0.29	2	SAI	05H	0.71	05H	05H	600PP	101
7	165	0.37	2	SAI	04H	0.79	04H	04H	600PP	106

Total Tubes: 8
Total Records: 8