Tennessee Valley Authority, Post Office Box 2000, Spring City, Tennessee 37381-2000

MAR 27 2006

10 CFR 50.4

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

Gentlemen:

In the Matter of)
Tennessee Valley Authority)

Docket No. 50-390

WATTS BAR NUCLEAR PLANT (WBN) UNIT 1 - STEAM GENERATOR INSERVICE INSPECTION - CYCLE 6 TWELVE MONTH REPORT

In accordance with the requirements in WBN Technical Specification 5.9.9, "SG Tube Inspection Report," the Enclosure provides the Steam Generator Inservice Inspection Report for Cycle 6. This report is required to be submitted within twelve months following the refueling outage and provides the complete results of the tube inspections. Other reports required by Technical Specification 5.9.9 were previously submitted on March 23, 2005, F* Alternate Repair Criteria Report, and March 23, 2005, 15-day Report. TVA also submitted a 90-day Report concerning the use of an alternate repair criterion for outside diameter stress corrosion cracking (ODSCC) on June 28, 2005, as committed in TVA's letter dated April 10, 2000, concerning the license amendment request for use of this alternate repair criterion. In addition, TVA responded to a request for additional information concerning the Cycle 6 steam generator 15 day and 90 day inspection reports on November 2, 2005.

The enclosed report completes the reporting requirements for the steam generator inspections during Unit 1 Cycle 6 Refueling Outage.

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There are no regulatory commitments identified in this submittal. If you have any questions about this report, please contact me at (423) 365-1824.

Sincerely,

P. L. Pace
Manager, Site Licensing
and Industry Affairs

Enclosure
cc (Enclosure):

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WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATORS
12 MONTH INSERVICE INSPECTION REPORT

March 2005

ENCLOSURE

WATTS BAR NUCLEAR PLANT (WBN) UNIT 1
CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION

MARCH 2005

In accordance with Technical Specification 5.9.9, this report documents the complete results of the Unit 1 Cycle 6 steam generator tube inservice inspection. The following list includes the examinations that were performed and the extent the tubes were tested.

- 100 percent full-length bobbin coil examination in all four steam generators.
- 100 percent hot leg top of tubesheet +3-inch/-2-inch Plus Point examination in all four steam generators.
- 100 percent Plus Point examination in dented tube support plate area from the first hot support (H01) through the upper most cold support (C14) with bobbin dent voltage greater than or equal to 2 volts.
- 20 percent Plus Point sample of freespan dings greater than or equal to 2 volts between the hot leg top of tubesheet and the second tube support plate.
- 100 percent freespan dings greater than or equal to 2 volts between the cold leg top of tubesheet and the eleventh cold leg support plate Plus Point examination.
- 100 percent Row 1 and 2 U-Bend region Plus Point examinations in all four steam generators.
- 100 percent Rows 3 through 5 U-Bend region Plus Point examinations in all four steam generators.
- 100 percent Plus Point of locations with both manufacturing burnish mark (MBM) and dent or ding.
- 100 percent Plus Point of anti-vibration bar locations with a dent.
- 100 percent Plus Point of freespan dings in the U-bend area.
- 100 percent Plus Point of the tubesheet region below sleeves.
- 100 percent Plus Point of previously installed sleeve pressure boundary.
- 100 percent of overexpansion (OXPs) and bludges (BLGs).

45,180 total examinations were performed.

Attached are listings of location and percent of wall-thickness penetration or eddy current voltage associated with each indication by mechanism and the status of the tube (plugged, sleeved, or in service).

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WATTS BAR NUCLEAR PLANT (WBN) UNIT 1
CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION

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Condition monitoring and operational assessments were performed for each damage mechanism. Performance criteria were met for both the last cycle and the full Unit 1 Cycle 7 operation. Twenty-six tubes were in-situ pressure tested to verify tube integrity.

No secondary side cleaning or inspections were performed.

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ATTACHMENT 1

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

The following indications are axial outside diameter stress corrosion cracking (ODSCC) indications at the tube support plates (TSP). The eddy current call "DSI" is a bobbin coil call and the call "SAI" is a plus point probe call. If the bobbin voltage is less than 1 volt, the indication may remain in service via the ODSCC Generic Letter 95-05 Alternate Repair Criteria (ARC). Details of these indications were reported to the NRC in the required 90-Day Report.

SG	ROW	COL	INDICATION	LOCATION	CHARACTERIZATION	RESOLUTION
1	1	6	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
1	1	25	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
1	1	31	DSI	H08-.37	ODSCC TSP AXIAL	In Service via ARC
1	1	39	DSI	H03-.03	ODSCC TSP AXIAL	In Service via ARC
1	1	58	DSI	H02-.03	ODSCC TSP AXIAL	In Service via ARC
1	1	59	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
1	1	108	DSI	C10-.03	ODSCC TSP AXIAL	In Service via ARC
1	2	2	DSI	H02-.09	ODSCC TSP AXIAL	In Service via ARC
1	2	4	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
1	2	16	DSI	H07-.03	ODSCC TSP AXIAL	In Service via ARC
1	2	46	SAI	H03+.26	ODSCC TSP AXIAL	In Service via ARC
1	2	46	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
1	2	87	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
1	2	90	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
1	2	111	DSI	H04-.03	ODSCC TSP AXIAL	In Service via ARC
1	2	111	DSI	C10-.06	ODSCC TSP AXIAL	In Service via ARC
1	3	7	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
1	3	8	DSI	H03-.03	ODSCC TSP AXIAL	In Service via ARC
1	3	10	DSI	H06-.06	ODSCC TSP AXIAL	In Service via ARC
1	3	19	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
1	3	23	DSI	H02+.12	ODSCC TSP AXIAL	In Service via ARC
1	3	24	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
1	3	36	DSI	H05+.03	ODSCC TSP AXIAL	In Service via ARC
1	3	45	DSI	H04+.06	ODSCC TSP AXIAL	In Service via ARC
1	3	45	DSI	H03-.03	ODSCC TSP AXIAL	In Service via ARC
1	3	51	DSI	H04+.00	ODSCC TSP AXIAL	In Service via ARC
1	3	51	DSI	H02-.06	ODSCC TSP AXIAL	In Service via ARC
1	3	54	DSI	H07-.06	ODSCC TSP AXIAL	In Service via ARC
1	3	57	DSI	C14-.03	ODSCC TSP AXIAL	In Service via ARC
1	3	57	DSI	H04+.06	ODSCC TSP AXIAL	In Service via ARC
1	3	59	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
1	3	59	DSI	H04-.06	ODSCC TSP AXIAL	In Service via ARC
1	3	61	DSI	H06-.03	ODSCC TSP AXIAL	In Service via ARC
1	3	61	DSI	H03+.17	ODSCC TSP AXIAL	In Service via ARC
1	3	63	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC

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ATTACHMENT 1

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

1	3	65	DSI	H03-.06	ODSCC TSP AXIAL	In Service via ARC
1	3	67	DSI	H02+.09	ODSCC TSP AXIAL	In Service via ARC
1	3	67	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
1	3	69	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
1	3	69	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
1	3	72	DSI	H03-.12	ODSCC TSP AXIAL	In Service via ARC
1	3	90	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
1	3	94	DSI	H04+.00	ODSCC TSP AXIAL	In Service via ARC
1	3	97	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
1	3	102	DSI	H02+.17	ODSCC TSP AXIAL	Plugged
1	3	102	DSI	H03-.03	ODSCC TSP AXIAL	Plugged
1	4	1	DSI	H02-.06	ODSCC TSP AXIAL	In Service via ARC
1	4	8	DSI	C10-.06	ODSCC TSP AXIAL	In Service via ARC
1	4	22	DSI	H04-.03	ODSCC TSP AXIAL	In Service via ARC
1	4	23	DSI	H04-.06	ODSCC TSP AXIAL	Plugged
1	4	26	DSI	H02+.12	ODSCC TSP AXIAL	In Service via ARC
1	4	27	DSI	H03+.21	ODSCC TSP AXIAL	Plugged
1	4	28	DSI	H02-.09	ODSCC TSP AXIAL	In Service via ARC
1	4	29	DSI	H07-.06	ODSCC TSP AXIAL	In Service via ARC
1	4	47	SAI	H02+.16	ODSCC TSP AXIAL	Plugged
1	4	47	DSI	H02+.11	ODSCC TSP AXIAL	Plugged
1	4	50	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
1	4	51	DSI	H04-.06	ODSCC TSP AXIAL	In Service via ARC
1	4	58	SAI	H03+.31	ODSCC TSP AXIAL	Plugged
1	4	58	SAI	H03+.33	ODSCC TSP AXIAL	Plugged
1	4	58	DSI	H03+.06	ODSCC TSP AXIAL	Plugged
1	4	63	SAI	H03+.26	ODSCC TSP AXIAL	Plugged
1	4	63	DSI	H03+.12	ODSCC TSP AXIAL	Plugged
1	4	69	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
1	4	78	DSI	H02-.06	ODSCC TSP AXIAL	Plugged
1	4	89	SAI	H03+.19	ODSCC TSP AXIAL	In Service via ARC
1	4	89	DSI	H03-.03	ODSCC TSP AXIAL	In Service via ARC
1	4	90	DSI	H02+.23	ODSCC TSP AXIAL	In Service via ARC
1	4	109	DSI	H08+.00	ODSCC TSP AXIAL	In Service via ARC
1	5	1	DSI	H02-.06	ODSCC TSP AXIAL	In Service via ARC
1	5	6	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
1	5	7	DSI	H02+.06	ODSCC TSP AXIAL	In Service via ARC
1	5	9	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
1	5	9	DSI	H02+.15	ODSCC TSP AXIAL	In Service via ARC
1	5	10	SAI	H02+.18	ODSCC TSP AXIAL	Plugged
1	5	10	DSI	H02+.06	ODSCC TSP AXIAL	Plugged
1	5	11	DSI	H03-.06	ODSCC TSP AXIAL	Plugged
1	5	11	SAI	H02+.15	ODSCC TSP AXIAL	Plugged
1	5	11	DSI	H02+.15	ODSCC TSP AXIAL	Plugged

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ATTACHMENT 1

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

1	5	12	DSI	H06-.06	ODSCC TSP AXIAL	Plugged
1	5	12	SAI	H02+.17	ODSCC TSP AXIAL	Plugged
1	5	12	DSI	H02+.00	ODSCC TSP AXIAL	Plugged
1	5	14	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
1	5	15	DSI	H05+.06	ODSCC TSP AXIAL	In Service via ARC
1	5	17	SAI	H02+.20	ODSCC TSP AXIAL	Plugged
1	5	17	SAI	H02+.22	ODSCC TSP AXIAL	Plugged
1	5	17	DSI	H02+.06	ODSCC TSP AXIAL	Plugged
1	5	18	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
1	5	19	SAI	H02+.08	ODSCC TSP AXIAL	Plugged
1	5	19	SAI	H02+.19	ODSCC TSP AXIAL	Plugged
1	5	19	DSI	H02+.14	ODSCC TSP AXIAL	Plugged
1	5	23	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
1	5	24	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
1	5	24	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
1	5	27	DSI	H03-.06	ODSCC TSP AXIAL	In Service via ARC
1	5	27	DSI	H08-.06	ODSCC TSP AXIAL	In Service via ARC
1	5	29	DSI	H04-.03	ODSCC TSP AXIAL	In Service via ARC
1	5	37	DSI	H02-.09	ODSCC TSP AXIAL	In Service via ARC
1	5	42	DSI	H03-.03	ODSCC TSP AXIAL	In Service via ARC
1	5	44	DSI	H03-.09	ODSCC TSP AXIAL	In Service via ARC
1	5	44	DSI	H02+.12	ODSCC TSP AXIAL	In Service via ARC
1	5	46	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
1	5	47	DSI	H04+.09	ODSCC TSP AXIAL	In Service via ARC
1	5	47	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
1	5	48	DSI	H07+.00	ODSCC TSP AXIAL	Plugged
1	5	48	SAI	H03+.06	ODSCC TSP AXIAL	Plugged
1	5	48	DSI	H03-.06	ODSCC TSP AXIAL	Plugged
1	5	48	DSI	H06+.03	ODSCC TSP AXIAL	Plugged
1	5	51	DSI	H03-.12	ODSCC TSP AXIAL	In Service via ARC
1	5	52	DSI	H03-.09	ODSCC TSP AXIAL	In Service via ARC
1	5	53	DSI	H03-.06	ODSCC TSP AXIAL	In Service via ARC
1	5	53	DSI	H04+.00	ODSCC TSP AXIAL	In Service via ARC
1	5	55	DSI	H02-.09	ODSCC TSP AXIAL	Plugged
1	5	55	SAI	H03+.16	ODSCC TSP AXIAL	Plugged
1	5	55	DSI	H03-.03	ODSCC TSP AXIAL	Plugged
1	5	55	SAI	H03+.03	ODSCC TSP AXIAL	Plugged
1	5	58	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
1	5	61	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
1	5	71	DSI	H03-.03	ODSCC TSP AXIAL	In Service via ARC
1	5	72	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
1	5	73	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
1	5	76	DSI	H02-.06	ODSCC TSP AXIAL	In Service via ARC
1	5	77	DSI	H06-.06	ODSCC TSP AXIAL	Plugged

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WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

1	5	77	SAI	H02+.18	ODSCC TSP AXIAL	Plugged
1	5	77	SAI	H02+.23	ODSCC TSP AXIAL	Plugged
1	5	77	DSI	H02+.12	ODSCC TSP AXIAL	Plugged
1	5	78	DSI	H02+.12	ODSCC TSP AXIAL	Plugged
1	5	86	DSI	H04+.06	ODSCC TSP AXIAL	Plugged
1	5	90	DSI	H02+.23	ODSCC TSP AXIAL	Plugged
1	5	92	DSI	H02-.03	ODSCC TSP AXIAL	Plugged
1	5	92	DSI	H03-.12	ODSCC TSP AXIAL	Plugged
1	5	92	SAI	H04+.26	ODSCC TSP AXIAL	Plugged
1	5	92	DSI	H04+.12	ODSCC TSP AXIAL	Plugged
1	5	94	DSI	H02-.03	ODSCC TSP AXIAL	In Service via ARC
1	5	94	DSI	H04+.03	ODSCC TSP AXIAL	In Service via ARC
1	6	3	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
1	6	8	SAI	H02-.01	ODSCC TSP AXIAL	Plugged
1	6	8	DSI	H02+.12	ODSCC TSP AXIAL	Plugged
1	6	9	DSI	H02+.20	ODSCC TSP AXIAL	In Service via ARC
1	6	11	DSI	H02+.14	ODSCC TSP AXIAL	Plugged
1	6	11	SAI	H03+.15	ODSCC TSP AXIAL	Plugged
1	6	11	DSI	H03+.03	ODSCC TSP AXIAL	Plugged
1	6	15	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
1	6	37	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
1	6	40	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
1	6	41	DSI	H02+.18	ODSCC TSP AXIAL	Plugged
1	6	41	SAI	H03+.20	ODSCC TSP AXIAL	Plugged
1	6	41	DSI	H03+.03	ODSCC TSP AXIAL	Plugged
1	6	43	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
1	6	46	SAI	H03+.21	ODSCC TSP AXIAL	Plugged
1	6	46	DSI	H03+.03	ODSCC TSP AXIAL	Plugged
1	6	50	SAI	H03+.35	ODSCC TSP AXIAL	Plugged
1	6	50	DSI	H03+.06	ODSCC TSP AXIAL	Plugged
1	6	56	SAI	H03+.22	ODSCC TSP AXIAL	In Service via ARC
1	6	56	DSI	H03+.15	ODSCC TSP AXIAL	In Service via ARC
1	6	60	SAI	H03+.28	ODSCC TSP AXIAL	Plugged
1	6	60	DSI	H03+.11	ODSCC TSP AXIAL	Plugged
1	6	63	DSI	H03+.11	ODSCC TSP AXIAL	In Service via ARC
1	6	63	DSI	H06+.11	ODSCC TSP AXIAL	In Service via ARC
1	6	65	DSI	H03+.14	ODSCC TSP AXIAL	In Service via ARC
1	6	66	SAI	H03+.14	ODSCC TSP AXIAL	Plugged
1	6	66	DSI	H03+.11	ODSCC TSP AXIAL	Plugged
1	6	67	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
1	6	69	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
1	6	75	DSI	H02+.12	ODSCC TSP AXIAL	In Service via ARC
1	6	77	DSI	H07+.03	ODSCC TSP AXIAL	In Service via ARC
1	6	82	DSI	H04+.03	ODSCC TSP AXIAL	In Service via ARC

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WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

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1	6	82	DSI	H02+.29	ODSCC TSP AXIAL	In Service via ARC
1	6	84	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
1	6	93	DSI	H02+.15	ODSCC TSP AXIAL	In Service via ARC
1	6	94	DSI	H03+.08	ODSCC TSP AXIAL	Plugged
1	6	94	SAI	H04+.09	ODSCC TSP AXIAL	Plugged
1	6	94	DSI	H02-.03	ODSCC TSP AXIAL	Plugged
1	6	94	DSI	H04+.00	ODSCC TSP AXIAL	Plugged
1	6	99	DSI	H05+.12	ODSCC TSP AXIAL	In Service via ARC
1	6	101	DSI	H04+.03	ODSCC TSP AXIAL	In Service via ARC
1	6	103	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
1	6	104	DSI	H08+.06	ODSCC TSP AXIAL	In Service via ARC
1	6	110	DSI	H05+.06	ODSCC TSP AXIAL	In Service via ARC
1	7	4	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
1	7	7	SAI	H03+.26	ODSCC TSP AXIAL	Plugged
1	7	7	DSI	H03+.03	ODSCC TSP AXIAL	Plugged
1	7	8	DSI	H02+.06	ODSCC TSP AXIAL	Plugged
1	7	8	SAI	H03+.06	ODSCC TSP AXIAL	Plugged
1	7	8	SAI	H03+.11	ODSCC TSP AXIAL	Plugged
1	7	8	DSI	H03-.06	ODSCC TSP AXIAL	Plugged
1	7	9	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
1	7	11	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
1	7	11	DSI	H02+.20	ODSCC TSP AXIAL	In Service via ARC
1	7	12	DSI	H02+.06	ODSCC TSP AXIAL	In Service via ARC
1	7	15	DSI	H02+.19	ODSCC TSP AXIAL	In Service via ARC
1	7	15	DSI	H04+.03	ODSCC TSP AXIAL	In Service via ARC
1	7	15	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
1	7	16	DSI	H04+.06	ODSCC TSP AXIAL	In Service via ARC
1	7	18	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
1	7	19	DSI	H05+.03	ODSCC TSP AXIAL	Plugged
1	7	19	DSI	H04+.03	ODSCC TSP AXIAL	Plugged
1	7	19	SAI	H02+.18	ODSCC TSP AXIAL	Plugged
1	7	19	DSI	H02+.00	ODSCC TSP AXIAL	Plugged
1	7	21	DSI	H08+.00	ODSCC TSP AXIAL	In Service via ARC
1	7	49	DSI	H03+.12	ODSCC TSP AXIAL	In Service via ARC
1	7	50	SAI	H03+.21	ODSCC TSP AXIAL	Plugged
1	7	50	DSI	H03+.12	ODSCC TSP AXIAL	Plugged
1	7	55	SAI	H03+.12	ODSCC TSP AXIAL	In Service via ARC
1	7	55	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
1	7	59	DSI	H02+.12	ODSCC TSP AXIAL	In Service via ARC
1	7	59	DSI	H04+.21	ODSCC TSP AXIAL	In Service via ARC
1	7	61	DSI	H07+.06	ODSCC TSP AXIAL	In Service via ARC
1	7	61	DSI	H08+.25	ODSCC TSP AXIAL	In Service via ARC
1	7	61	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
1	7	62	DSI	H08+.06	ODSCC TSP AXIAL	In Service via ARC

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WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

1	7	63	SAI	H03+.24	ODSCC TSP AXIAL	Plugged
1	7	63	DSI	H03+.00	ODSCC TSP AXIAL	Plugged
1	7	65	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
1	7	68	SAI	H03+.21	ODSCC TSP AXIAL	In Service via ARC
1	7	68	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
1	7	76	DSI	H04+.09	ODSCC TSP AXIAL	In Service via ARC
1	7	103	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
1	7	104	DSI	H04+.11	ODSCC TSP AXIAL	In Service via ARC
1	7	106	DSI	H05+.03	ODSCC TSP AXIAL	In Service via ARC
1	7	107	DSI	H05+.00	ODSCC TSP AXIAL	In Service via ARC
1	7	108	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
1	7	108	DSI	H04+.03	ODSCC TSP AXIAL	In Service via ARC
1	7	108	DSI	H05+.03	ODSCC TSP AXIAL	In Service via ARC
1	8	8	SAI	H03+.14	ODSCC TSP AXIAL	Plugged
1	8	8	DSI	H03+.03	ODSCC TSP AXIAL	Plugged
1	8	19	SAI	H03+.20	ODSCC TSP AXIAL	Plugged
1	8	19	SAI	H03+.15	ODSCC TSP AXIAL	Plugged
1	8	19	DSI	H03+.12	ODSCC TSP AXIAL	Plugged
1	8	25	DSI	H05+.06	ODSCC TSP AXIAL	In Service via ARC
1	8	34	DSI	H02+.11	ODSCC TSP AXIAL	In Service via ARC
1	8	41	SAI	H03+.11	ODSCC TSP AXIAL	Plugged
1	8	41	SAI	H03+.20	ODSCC TSP AXIAL	Plugged
1	8	41	DSI	H03+.09	ODSCC TSP AXIAL	Plugged
1	8	42	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
1	8	43	DSI	H04+.09	ODSCC TSP AXIAL	Plugged
1	8	43	SAI	H03+.37	ODSCC TSP AXIAL	Plugged
1	8	43	DSI	H03+.12	ODSCC TSP AXIAL	Plugged
1	8	46	SAI	H03+.23	ODSCC TSP AXIAL	Plugged
1	8	46	DSI	H03+.06	ODSCC TSP AXIAL	Plugged
1	8	47	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
1	8	51	DSI	H04-.06	ODSCC TSP AXIAL	In Service via ARC
1	8	52	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
1	8	53	DSI	H03-.09	ODSCC TSP AXIAL	In Service via ARC
1	8	58	DSI	H04+.00	ODSCC TSP AXIAL	Plugged
1	8	58	SAI	H03+.24	ODSCC TSP AXIAL	Plugged
1	8	58	DSI	H03+.12	ODSCC TSP AXIAL	Plugged
1	8	62	SAI	H03+.28	ODSCC TSP AXIAL	Plugged
1	8	62	DSI	H03+.09	ODSCC TSP AXIAL	Plugged
1	8	64	DSI	H04+.03	ODSCC TSP AXIAL	Plugged
1	8	64	SAI	H03+.27	ODSCC TSP AXIAL	Plugged
1	8	64	DSI	H03+.23	ODSCC TSP AXIAL	Plugged
1	8	69	SAI	H03+.21	ODSCC TSP AXIAL	Plugged
1	8	69	DSI	H03+.00	ODSCC TSP AXIAL	Plugged
1	8	75	DSI	H01-.08	ODSCC TSP AXIAL	Plugged

ENCLOSURE
ATTACHMENT 1

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

1	8	75	SAI	H01-.01	ODSCC TSP AXIAL	Plugged
1	8	81	DSI	H02-.06	ODSCC TSP AXIAL	In Service via ARC
1	8	89	DSI	H04-.14	ODSCC TSP AXIAL	In Service via ARC
1	8	89	DSI	H05+.17	ODSCC TSP AXIAL	In Service via ARC
1	8	91	DSI	H02+.15	ODSCC TSP AXIAL	In Service via ARC
1	8	104	DSI	H05+.11	ODSCC TSP AXIAL	In Service via ARC
1	8	108	DSI	H05+.06	ODSCC TSP AXIAL	In Service via ARC
1	8	109	DSI	H02+.06	ODSCC TSP AXIAL	In Service via ARC
1	8	112	DSI	H05+.03	ODSCC TSP AXIAL	In Service via ARC
1	9	5	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
1	9	9	DSI	H02-.03	ODSCC TSP AXIAL	In Service via ARC
1	9	9	DSI	H05-.03	ODSCC TSP AXIAL	In Service via ARC
1	9	13	DSI	H04+.06	ODSCC TSP AXIAL	In Service via ARC
1	9	20	DSI	H05+.12	ODSCC TSP AXIAL	In Service via ARC
1	9	43	DSI	H03+.24	ODSCC TSP AXIAL	In Service via ARC
1	9	45	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
1	9	46	SAI	H03+.20	ODSCC TSP AXIAL	Plugged
1	9	46	DSI	H03+.09	ODSCC TSP AXIAL	Plugged
1	9	47	DSI	H04+.15	ODSCC TSP AXIAL	In Service via ARC
1	9	47	DSI	H02+.12	ODSCC TSP AXIAL	In Service via ARC
1	9	48	DSI	H05+.06	ODSCC TSP AXIAL	In Service via ARC
1	9	52	SAI	H02-.03	ODSCC TSP AXIAL	Plugged
1	9	52	DSI	H02-.09	ODSCC TSP AXIAL	Plugged
1	9	53	DSI	H03+.12	ODSCC TSP AXIAL	In Service via ARC
1	9	54	DSI	H05+.03	ODSCC TSP AXIAL	In Service via ARC
1	9	57	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
1	9	63	SAI	H03+.13	ODSCC TSP AXIAL	Plugged
1	9	63	DSI	H03+.06	ODSCC TSP AXIAL	Plugged
1	10	12	DSI	H04+.09	ODSCC TSP AXIAL	In Service via ARC
1	10	17	DSI	H05-.03	ODSCC TSP AXIAL	In Service via ARC
1	10	18	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
1	10	30	DSI	H04+.00	ODSCC TSP AXIAL	In Service via ARC
1	10	40	SAI	H03+.10	ODSCC TSP AXIAL	Plugged
1	10	40	SAI	H03+.09	ODSCC TSP AXIAL	Plugged
1	10	40	DSI	H03+.06	ODSCC TSP AXIAL	Plugged
1	10	44	DSI	H07+.06	ODSCC TSP AXIAL	In Service via ARC
1	10	46	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
1	10	65	DSI	H05+.12	ODSCC TSP AXIAL	Plugged
1	10	65	SAI	H04+.20	ODSCC TSP AXIAL	Plugged
1	10	65	SAI	H03-.01	ODSCC TSP AXIAL	Plugged
1	10	65	DSI	H04+.18	ODSCC TSP AXIAL	Plugged
1	10	65	DSI	H03-.06	ODSCC TSP AXIAL	Plugged
1	10	66	SAI	H03+.07	ODSCC TSP AXIAL	In Service via ARC
1	10	66	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC

ENCLOSURE
ATTACHMENT 1

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

1	10	69	DSI	H03-.12	ODSCC TSP AXIAL	In Service via ARC
1	10	107	DSI	H04+.09	ODSCC TSP AXIAL	In Service via ARC
1	11	33	DSI	H03+.03	ODSCC TSP AXIAL	Plugged
1	11	33	DSI	H02+.18	ODSCC TSP AXIAL	Plugged
1	11	38	DSI	H04+.20	ODSCC TSP AXIAL	In Service via ARC
1	11	44	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
1	11	69	DSI	H03-.06	ODSCC TSP AXIAL	In Service via ARC
1	11	71	DSI	H03+.15	ODSCC TSP AXIAL	In Service via ARC
1	11	101	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
1	12	2	DSI	H02+.03	ODSCC TSP AXIAL	Plugged
1	12	46	SAI	H02+.18	ODSCC TSP AXIAL	Plugged
1	12	46	DSI	H02+.06	ODSCC TSP AXIAL	Plugged
1	12	50	DSI	H05+.09	ODSCC TSP AXIAL	In Service via ARC
1	12	66	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
1	12	71	DSI	H02+.03	ODSCC TSP AXIAL	Plugged
1	12	71	SAI	H03-.04	ODSCC TSP AXIAL	Plugged
1	12	71	SAI	H03+.20	ODSCC TSP AXIAL	Plugged
1	12	71	DSI	H03+.09	ODSCC TSP AXIAL	Plugged
1	12	72	SAI	H02+.28	ODSCC TSP AXIAL	Plugged
1	12	72	DSI	H02+.03	ODSCC TSP AXIAL	Plugged
1	12	93	DSI	H02+.06	ODSCC TSP AXIAL	In Service via ARC
1	12	68	DSI	H02+.14	ODSCC TSP AXIAL	In Service via ARC
1	13	7	DSI	H04+.03	ODSCC TSP AXIAL	Plugged
1	13	67	DSI	H03+.17	ODSCC TSP AXIAL	In Service via ARC
1	13	68	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
1	13	71	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
1	13	72	SAI	H02+.15	ODSCC TSP AXIAL	Plugged
1	13	72	SAI	H02+.22	ODSCC TSP AXIAL	Plugged
1	13	72	DSI	H02+.00	ODSCC TSP AXIAL	Plugged
1	13	91	DSI	H02+.09	ODSCC TSP AXIAL	In Service via ARC
1	14	39	DSI	H04+.12	ODSCC TSP AXIAL	Plugged
1	15	37	DSI	H04+.09	ODSCC TSP AXIAL	In Service via ARC
1	15	37	DSI	H05+.09	ODSCC TSP AXIAL	In Service via ARC
1	15	93	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
1	15	103	DSI	H02-.06	ODSCC TSP AXIAL	In Service via ARC
1	16	39	DSI	H02-.03	ODSCC TSP AXIAL	In Service via ARC
1	16	39	DSI	H03-.03	ODSCC TSP AXIAL	In Service via ARC
1	16	65	DSI	H02+.27	ODSCC TSP AXIAL	In Service via ARC
1	17	6	DSI	H03+.03	ODSCC TSP AXIAL	Plugged
1	17	22	SAI	H02+.15	ODSCC TSP AXIAL	Plugged
1	17	22	SAI	H02+.27	ODSCC TSP AXIAL	Plugged
1	17	22	DSI	H02+.06	ODSCC TSP AXIAL	Plugged
1	17	36	DSI	H02+.03	ODSCC TSP AXIAL	Plugged
1	17	54	DSI	H04+.06	ODSCC TSP AXIAL	In Service via ARC

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ATTACHMENT 1

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

1	17	64	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
1	17	64	DSI	H04+.06	ODSCC TSP AXIAL	In Service via ARC
1	17	72	DSI	H05-.26	ODSCC TSP AXIAL	In Service via ARC
1	17	94	DSI	H04+.09	ODSCC TSP AXIAL	In Service via ARC
1	18	55	DSI	C10-.06	ODSCC TSP AXIAL	In Service via ARC
1	18	56	SAI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
1	18	56	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
1	18	65	DSI	H04+.12	ODSCC TSP AXIAL	In Service via ARC
1	18	68	DSI	H02+.14	ODSCC TSP AXIAL	In Service via ARC
1	18	74	DSI	H06-.03	ODSCC TSP AXIAL	In Service via ARC
1	19	36	DSI	H02-.03	ODSCC TSP AXIAL	In Service via ARC
1	19	81	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
1	19	100	SAI	H02+.18	ODSCC TSP AXIAL	In Service via ARC
1	19	100	DSI	H02+.09	ODSCC TSP AXIAL	In Service via ARC
1	19	100	SAI	H02+.24	ODSCC TSP AXIAL	In Service via ARC
1	20	63	DSI	H05+.21	ODSCC TSP AXIAL	Plugged
1	20	93	DSI	H03+.12	ODSCC TSP AXIAL	In Service via ARC
1	21	16	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
1	21	20	DSI	H04+.29	ODSCC TSP AXIAL	Plugged
1	21	79	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
1	22	12	DSI	H02-.03	ODSCC TSP AXIAL	In Service via ARC
1	22	30	SAI	H03+.17	ODSCC TSP AXIAL	Plugged
1	22	30	DSI	H03+.03	ODSCC TSP AXIAL	Plugged
1	22	73	DSI	H04+.09	ODSCC TSP AXIAL	In Service via ARC
1	22	82	DSI	H03+.14	ODSCC TSP AXIAL	In Service via ARC
1	22	94	SAI	H03+.16	ODSCC TSP AXIAL	In Service via ARC
1	22	94	DSI	H03-.03	ODSCC TSP AXIAL	In Service via ARC
1	22	109	SAI	H02+.15	ODSCC TSP AXIAL	Plugged
1	22	109	DSI	H02-.09	ODSCC TSP AXIAL	Plugged
1	23	99	DSI	H03+.11	ODSCC TSP AXIAL	In Service via ARC
1	25	24	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
1	25	35	SAI	H02+.21	ODSCC TSP AXIAL	Plugged
1	25	35	DSI	H02-.03	ODSCC TSP AXIAL	Plugged
1	25	69	DSI	C10-.12	ODSCC TSP AXIAL	In Service via ARC
1	29	20	DSI	H02-.03	ODSCC TSP AXIAL	In Service via ARC
1	31	18	DSI	H02+.06	ODSCC TSP AXIAL	In Service via ARC
1	31	21	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
1	32	63	DSI	H02+.31	ODSCC TSP AXIAL	In Service via ARC
1	32	70	SAI	H03+.22	ODSCC TSP AXIAL	In Service via ARC
1	32	70	SAI	H03+.10	ODSCC TSP AXIAL	In Service via ARC
1	32	70	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
1	34	24	DSI	H02+.21	ODSCC TSP AXIAL	In Service via ARC
1	34	99	DSI	H02+.06	ODSCC TSP AXIAL	In Service via ARC
1	35	48	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC

ENCLOSURE
ATTACHMENT 1

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

1	36	100	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
1	37	90	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
1	37	98	DSI	H02+.26	ODSCC TSP AXIAL	Plugged
1	38	85	SAI	H02+.21	ODSCC TSP AXIAL	In Service via ARC
1	38	85	DSI	H02+.14	ODSCC TSP AXIAL	In Service via ARC
1	38	92	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
1	39	74	DSI	H02+.36	ODSCC TSP AXIAL	In Service via ARC
1	39	84	DSI	H05+.03	ODSCC TSP AXIAL	In Service via ARC
1	40	86	SAI	H03+.13	ODSCC TSP AXIAL	Plugged
1	40	86	DSI	H03-.06	ODSCC TSP AXIAL	Plugged
1	41	64	DSI	H04-.03	ODSCC TSP AXIAL	In Service via ARC
1	41	94	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
1	42	39	DSI	H02-.03	ODSCC TSP AXIAL	In Service via ARC
1	42	41	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
1	42	69	SAI	H03+.18	ODSCC TSP AXIAL	In Service via ARC
1	42	69	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
1	43	39	DSI	H08-.16	ODSCC TSP AXIAL	In Service via ARC
1	46	41	DSI	H02+.15	ODSCC TSP AXIAL	In Service via ARC
1	46	86	DSI	H03-.06	ODSCC TSP AXIAL	In Service via ARC
2	1	42	DSI	H08+.03	ODSCC TSP AXIAL	In Service via ARC
2	1	43	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
2	1	45	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
2	1	47	DSI	H03+.11	ODSCC TSP AXIAL	In Service via ARC
2	1	54	DSI	H03+.08	ODSCC TSP AXIAL	In Service via ARC
2	1	59	SAI	H03+.23	ODSCC TSP AXIAL	Plugged
2	1	59	DSI	H03-.03	ODSCC TSP AXIAL	Plugged
2	1	75	DSI	H03-.26	ODSCC TSP AXIAL	In Service via ARC
2	1	78	DSI	C10-.03	ODSCC TSP AXIAL	In Service via ARC
2	2	45	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
2	2	46	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
2	2	49	SAI	H03+.23	ODSCC TSP AXIAL	Plugged
2	2	49	DSI	H03+.08	ODSCC TSP AXIAL	Plugged
2	2	53	DSI	H03-.06	ODSCC TSP AXIAL	In Service via ARC
2	2	66	DSI	H06+.00	ODSCC TSP AXIAL	In Service via ARC
2	2	68	DSI	H02+.06	ODSCC TSP AXIAL	In Service via ARC
2	2	73	SAI	H02+.08	ODSCC TSP AXIAL	In Service via ARC
2	2	73	DSI	H02-.03	ODSCC TSP AXIAL	In Service via ARC
2	2	83	DSI	H02+.08	ODSCC TSP AXIAL	In Service via ARC
2	2	87	DSI	H02+.17	ODSCC TSP AXIAL	Plugged
2	2	96	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
2	2	104	SAI	H03+.11	ODSCC TSP AXIAL	In Service via ARC
2	2	104	SAI	H03+.12	ODSCC TSP AXIAL	In Service via ARC
2	2	104	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
2	2	108	SAI	H03+.13	ODSCC TSP AXIAL	In Service via ARC

ENCLOSURE
ATTACHMENT 1

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

2	2	108	DSI	H03-.09	ODSCC TSP AXIAL	In Service via ARC
2	2	113	DSI	H03-.08	ODSCC TSP AXIAL	In Service via ARC
2	3	15	DSI	H02-.08	ODSCC TSP AXIAL	In Service via ARC
2	3	23	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
2	3	49	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
2	3	51	DSI	H03-.03	ODSCC TSP AXIAL	In Service via ARC
2	3	60	DSI	H03+.11	ODSCC TSP AXIAL	In Service via ARC
2	3	63	DSI	H03+.14	ODSCC TSP AXIAL	In Service via ARC
2	3	66	DSI	H04+.20	ODSCC TSP AXIAL	In Service via ARC
2	3	68	DSI	H04+.00	ODSCC TSP AXIAL	In Service via ARC
2	3	101	SAI	H03+.20	ODSCC TSP AXIAL	In Service via ARC
2	3	101	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
2	3	113	DSI	H02-.14	ODSCC TSP AXIAL	In Service via ARC
2	4	20	SAI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
2	4	20	DSI	H03-.09	ODSCC TSP AXIAL	In Service via ARC
2	4	36	DSI	H07-.03	ODSCC TSP AXIAL	In Service via ARC
2	4	50	DSI	H03+.11	ODSCC TSP AXIAL	In Service via ARC
2	4	55	SAI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
2	4	55	DSI	H03-.08	ODSCC TSP AXIAL	In Service via ARC
2	4	104	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
2	4	113	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
2	4	114	DSI	H02-.11	ODSCC TSP AXIAL	In Service via ARC
2	5	1	DSI	H02+.06	ODSCC TSP AXIAL	In Service via ARC
2	5	8	SAI	H03+.06	ODSCC TSP AXIAL	Plugged
2	5	8	DSI	H03-.22	ODSCC TSP AXIAL	Plugged
2	5	9	DSI	H03-.08	ODSCC TSP AXIAL	In Service via ARC
2	5	24	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
2	5	24	DSI	H04-.09	ODSCC TSP AXIAL	In Service via ARC
2	5	36	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
2	5	37	DSI	H03-.06	ODSCC TSP AXIAL	In Service via ARC
2	5	39	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
2	5	41	SAI	H03+.24	ODSCC TSP AXIAL	Plugged
2	5	41	DSI	H03+.00	ODSCC TSP AXIAL	Plugged
2	5	52	SAI	H03+.15	ODSCC TSP AXIAL	In Service via ARC
2	5	52	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
2	5	60	DSI	C10-.03	ODSCC TSP AXIAL	In Service via ARC
2	5	61	DSI	H04+.08	ODSCC TSP AXIAL	In Service via ARC
2	5	62	DSI	H07+.08	ODSCC TSP AXIAL	In Service via ARC
2	5	70	DSI	H03-.03	ODSCC TSP AXIAL	In Service via ARC
2	5	84	SAI	H03+.17	ODSCC TSP AXIAL	In Service via ARC
2	5	84	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
2	5	85	SAI	H03+.26	ODSCC TSP AXIAL	In Service via ARC
2	5	85	DSI	H03+.12	ODSCC TSP AXIAL	In Service via ARC
2	5	101	SAI	H03+.25	ODSCC TSP AXIAL	Plugged

ENCLOSURE
ATTACHMENT 1

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

2	5	101	DSI	H03+.00	ODSCC TSP AXIAL	Plugged
2	5	105	SAI	H03+.22	ODSCC TSP AXIAL	Plugged
2	5	105	DSI	H03-.06	ODSCC TSP AXIAL	Plugged
2	6	11	DSI	H02-.17	ODSCC TSP AXIAL	In Service via ARC
2	6	35	DSI	H04+.00	ODSCC TSP AXIAL	In Service via ARC
2	6	38	DSI	H03+.12	ODSCC TSP AXIAL	In Service via ARC
2	6	45	SAI	H03+.22	ODSCC TSP AXIAL	In Service via ARC
2	6	45	DSI	H02+.06	ODSCC TSP AXIAL	In Service via ARC
2	6	45	DSI	H03+.26	ODSCC TSP AXIAL	In Service via ARC
2	6	51	SAI	H03+.14	ODSCC TSP AXIAL	Plugged
2	6	51	DSI	H03+.20	ODSCC TSP AXIAL	Plugged
2	6	103	SAI	H03+.23	ODSCC TSP AXIAL	Plugged
2	6	103	DSI	H03+.09	ODSCC TSP AXIAL	Plugged
2	6	104	SAI	H03+.11	ODSCC TSP AXIAL	In Service via ARC
2	6	104	SAI	H03+.01	ODSCC TSP AXIAL	In Service via ARC
2	6	104	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
2	6	113	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
2	6	114	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
2	7	4	DSI	H02+.11	ODSCC TSP AXIAL	In Service via ARC
2	7	12	DSI	H03+.14	ODSCC TSP AXIAL	In Service via ARC
2	7	12	DSI	H04+.17	ODSCC TSP AXIAL	In Service via ARC
2	7	13	SAI	H04+.15	ODSCC TSP AXIAL	In Service via ARC
2	7	13	DSI	H04+.12	ODSCC TSP AXIAL	In Service via ARC
2	7	45	SAI	H03+.23	ODSCC TSP AXIAL	Plugged
2	7	45	SAI	H03+.02	ODSCC TSP AXIAL	Plugged
2	7	45	DSI	H03+.26	ODSCC TSP AXIAL	Plugged
2	7	63	DSI	H05+.08	ODSCC TSP AXIAL	In Service via ARC
2	7	67	SAI	H03+.05	ODSCC TSP AXIAL	In Service via ARC
2	7	67	DSI	H03+.05	ODSCC TSP AXIAL	In Service via ARC
2	7	69	DSI	H02+.12	ODSCC TSP AXIAL	In Service via ARC
2	7	111	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
2	8	38	SAI	H04+.16	ODSCC TSP AXIAL	In Service via ARC
2	8	38	DSI	H04+.12	ODSCC TSP AXIAL	In Service via ARC
2	8	39	DSI	H02-.06	ODSCC TSP AXIAL	In Service via ARC
2	8	42	SAI	H03+.26	ODSCC TSP AXIAL	In Service via ARC
2	8	42	SAI	H03+.01	ODSCC TSP AXIAL	In Service via ARC
2	8	42	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
2	8	56	SAI	H04+.33	ODSCC TSP AXIAL	Plugged
2	8	56	DSI	H04+.22	ODSCC TSP AXIAL	Plugged
2	8	63	DSI	H04+.05	ODSCC TSP AXIAL	In Service via ARC
2	8	64	DSI	H04+.08	ODSCC TSP AXIAL	In Service via ARC
2	8	65	SAI	H04+.25	ODSCC TSP AXIAL	Plugged
2	8	65	DSI	H04+.22	ODSCC TSP AXIAL	Plugged
2	8	69	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC

ENCLOSURE
ATTACHMENT 1

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

2	8	78	DSI	C10-.06	ODSCC TSP AXIAL	In Service via ARC
2	8	106	DSI	H04+.09	ODSCC TSP AXIAL	In Service via ARC
2	9	5	DSI	H02+.06	ODSCC TSP AXIAL	In Service via ARC
2	9	7	DSI	H05+.06	ODSCC TSP AXIAL	In Service via ARC
2	9	38	DSI	H02-.03	ODSCC TSP AXIAL	In Service via ARC
2	9	41	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
2	9	41	DSI	H04+.15	ODSCC TSP AXIAL	In Service via ARC
2	9	44	DSI	H03+.15	ODSCC TSP AXIAL	In Service via ARC
2	9	64	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
2	9	64	DSI	H05+.06	ODSCC TSP AXIAL	In Service via ARC
2	9	68	DSI	H05+.03	ODSCC TSP AXIAL	In Service via ARC
2	9	74	DSI	H06+.12	ODSCC TSP AXIAL	In Service via ARC
2	9	78	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
2	9	84	DSI	H03+.12	ODSCC TSP AXIAL	In Service via ARC
2	9	88	SAI	H02+.04	ODSCC TSP AXIAL	In Service via ARC
2	9	88	DSI	H02-.06	ODSCC TSP AXIAL	In Service via ARC
2	9	96	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
2	9	99	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
2	10	12	DSI	H02-.14	ODSCC TSP AXIAL	In Service via ARC
2	10	36	DSI	H02-.23	ODSCC TSP AXIAL	Plugged
2	10	36	SAI	H03+.22	ODSCC TSP AXIAL	Plugged
2	10	36	DSI	H03+.06	ODSCC TSP AXIAL	Plugged
2	10	42	SAI	H03+.22	ODSCC TSP AXIAL	In Service via ARC
2	10	42	DSI	H03+.26	ODSCC TSP AXIAL	In Service via ARC
2	10	43	DSI	H02+.09	ODSCC TSP AXIAL	In Service via ARC
2	10	45	DSI	H03+.12	ODSCC TSP AXIAL	In Service via ARC
2	10	46	SAI	H02+.20	ODSCC TSP AXIAL	In Service via ARC
2	10	46	SAI	H02+.14	ODSCC TSP AXIAL	In Service via ARC
2	10	46	DSI	H02+.09	ODSCC TSP AXIAL	In Service via ARC
2	10	49	SAI	H02+.13	ODSCC TSP AXIAL	In Service via ARC
2	10	49	SAI	H02+.17	ODSCC TSP AXIAL	In Service via ARC
2	10	49	DSI	H02+.06	ODSCC TSP AXIAL	In Service via ARC
2	10	53	DSI	H02+.06	ODSCC TSP AXIAL	Plugged
2	10	53	SAI	H02+.00	ODSCC TSP AXIAL	Plugged
2	10	53	SAI	H02+.16	ODSCC TSP AXIAL	Plugged
2	10	53	SAI	H02+.23	ODSCC TSP AXIAL	Plugged
2	10	77	DSI	H05-.12	ODSCC TSP AXIAL	Plugged
2	10	78	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
2	10	79	DSI	H05+.06	ODSCC TSP AXIAL	In Service via ARC
2	10	84	DSI	H03+.05	ODSCC TSP AXIAL	In Service via ARC
2	10	111	SAI	H03+.24	ODSCC TSP AXIAL	Plugged
2	10	111	DSI	H03+.00	ODSCC TSP AXIAL	Plugged
2	10	112	SAI	H05+.25	ODSCC TSP AXIAL	Plugged
2	10	112	DSI	H05+.03	ODSCC TSP AXIAL	Plugged

ENCLOSURE
ATTACHMENT 1

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

2	11	36	DSI	H02-.12	ODSCC TSP AXIAL	In Service via ARC
2	11	39	DSI	H04+.21	ODSCC TSP AXIAL	In Service via ARC
2	11	44	SAI	H02+.25	ODSCC TSP AXIAL	Plugged
2	11	44	DSI	H02+.00	ODSCC TSP AXIAL	Plugged
2	11	52	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
2	11	56	SAI	H02+.04	ODSCC TSP AXIAL	In Service via ARC
2	11	56	DSI	H02-.03	ODSCC TSP AXIAL	In Service via ARC
2	11	65	DSI	H02+.09	ODSCC TSP AXIAL	In Service via ARC
2	11	72	DSI	H04+.06	ODSCC TSP AXIAL	In Service via ARC
2	11	82	DSI	H03+.18	ODSCC TSP AXIAL	In Service via ARC
2	11	98	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
2	11	100	DSI	H03+.15	ODSCC TSP AXIAL	In Service via ARC
2	12	31	DSI	H04+.00	ODSCC TSP AXIAL	In Service via ARC
2	12	32	DSI	H02+.00	ODSCC TSP AXIAL	Plugged
2	12	32	SAI	H02+.05	ODSCC TSP AXIAL	Plugged
2	12	32	SAI	H02+.06	ODSCC TSP AXIAL	Plugged
2	12	32	SAI	H02+.07	ODSCC TSP AXIAL	Plugged
2	12	37	DSI	H04+.00	ODSCC TSP AXIAL	In Service via ARC
2	12	37	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
2	12	43	DSI	H03+.15	ODSCC TSP AXIAL	Plugged
2	12	52	SAI	H02-.10	ODSCC TSP AXIAL	Plugged
2	12	52	SAI	H02+.25	ODSCC TSP AXIAL	Plugged
2	12	52	SAI	H02-.05	ODSCC TSP AXIAL	Plugged
2	12	52	DSI	H02+.00	ODSCC TSP AXIAL	Plugged
2	12	66	DSI	H03+.21	ODSCC TSP AXIAL	In Service via ARC
2	12	70	DSI	H04+.15	ODSCC TSP AXIAL	In Service via ARC
2	12	78	DSI	H02+.09	ODSCC TSP AXIAL	In Service via ARC
2	12	79	SAI	H01+.32	ODSCC TSP AXIAL	Plugged
2	12	111	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
2	13	44	SAI	H02+.20	ODSCC TSP AXIAL	Plugged
2	13	44	DSI	H02+.09	ODSCC TSP AXIAL	Plugged
2	13	49	DSI	H02+.21	ODSCC TSP AXIAL	In Service via ARC
2	13	52	DSI	H02-.06	ODSCC TSP AXIAL	In Service via ARC
2	13	67	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
2	13	69	DSI	H05+.06	ODSCC TSP AXIAL	In Service via ARC
2	13	72	DSI	H02-.03	ODSCC TSP AXIAL	In Service via ARC
2	13	78	DSI	H04+.08	ODSCC TSP AXIAL	In Service via ARC
2	13	82	DSI	H03+.05	ODSCC TSP AXIAL	In Service via ARC
2	13	104	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
2	14	14	DSI	H05-.23	ODSCC TSP AXIAL	In Service via ARC
2	14	68	DSI	H04+.05	ODSCC TSP AXIAL	In Service via ARC
2	14	77	DSI	H07+.06	ODSCC TSP AXIAL	Plugged
2	15	28	SAI	H02+.07	ODSCC TSP AXIAL	In Service via ARC
2	15	28	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC

ENCLOSURE
ATTACHMENT 1

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

2	15	56	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
2	15	66	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
2	15	76	DSI	H04+.15	ODSCC TSP AXIAL	In Service via ARC
2	15	76	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
2	16	37	DSI	H06+.00	ODSCC TSP AXIAL	In Service via ARC
2	16	40	SAI	H03+.16	ODSCC TSP AXIAL	In Service via ARC
2	16	40	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
2	16	50	DSI	H02+.06	ODSCC TSP AXIAL	In Service via ARC
2	16	75	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
2	18	34	DSI	H02-.03	ODSCC TSP AXIAL	In Service via ARC
2	18	38	DSI	H05+.03	ODSCC TSP AXIAL	In Service via ARC
2	18	41	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
2	18	43	DSI	H02+.09	ODSCC TSP AXIAL	In Service via ARC
2	18	55	DSI	H05+.18	ODSCC TSP AXIAL	In Service via ARC
2	18	79	DSI	H01-.18	ODSCC TSP AXIAL	Plugged
2	18	79	SAI	H01-.06	ODSCC TSP AXIAL	Plugged
2	18	109	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
2	18	110	SAI	H03+.17	ODSCC TSP AXIAL	Plugged
2	18	110	DSI	H03-.06	ODSCC TSP AXIAL	Plugged
2	19	30	DSI	H03-.15	ODSCC TSP AXIAL	In Service via ARC
2	20	38	DSI	H05+.00	ODSCC TSP AXIAL	In Service via ARC
2	20	84	DSI	H01+.21	ODSCC TSP AXIAL	In Service via ARC
2	22	89	DSI	H03+.12	ODSCC TSP AXIAL	In Service via ARC
2	22	105	SAI	H03+.17	ODSCC TSP AXIAL	In Service via ARC
2	22	105	SAI	H03+.13	ODSCC TSP AXIAL	In Service via ARC
2	22	105	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
2	23	54	DSI	H08-.20	ODSCC TSP AXIAL	In Service via ARC
2	23	101	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
2	24	36	DSI	H02-.21	ODSCC TSP AXIAL	In Service via ARC
2	27	85	DSI	H01+.12	ODSCC TSP AXIAL	In Service via ARC
2	28	51	DSI	C04-.03	ODSCC TSP AXIAL	In Service via ARC
2	28	91	DSI	H01+.21	ODSCC TSP AXIAL	Plugged
2	28	91	SAI	H01+.37	ODSCC TSP AXIAL	Plugged
2	28	104	DSI	H02+.15	ODSCC TSP AXIAL	In Service via ARC
2	32	84	DSI	H03-.03	ODSCC TSP AXIAL	In Service via ARC
2	32	88	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
2	37	49	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
2	38	69	DSI	C04-.27	ODSCC TSP AXIAL	In Service via ARC
2	38	77	DSI	H01+.24	ODSCC TSP AXIAL	Plugged
2	38	77	SAI	H01+.30	ODSCC TSP AXIAL	Plugged
2	41	49	SAI	H03+.14	ODSCC TSP AXIAL	Plugged
2	41	49	DSI	H03+.06	ODSCC TSP AXIAL	Plugged
2	43	81	DSI	H03+.12	ODSCC TSP AXIAL	In Service via ARC
2	43	90	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC

ENCLOSURE
ATTACHMENT 1

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

2	43	91	DSI	H06+.03	ODSCC TSP AXIAL	In Service via ARC
2	45	81	DSI	H02+.09	ODSCC TSP AXIAL	In Service via ARC
2	45	82	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
2	46	77	SAI	H01-.03	ODSCC TSP AXIAL	Plugged
2	46	88	DSI	H02+.12	ODSCC TSP AXIAL	In Service via ARC
2	47	83	SAI	H02+.11	ODSCC TSP AXIAL	In Service via ARC
2	47	83	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
2	48	41	DSI	H03+.03	ODSCC TSP AXIAL	Plugged
2	48	44	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
2	48	76	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
2	49	34	DSI	H02-.20	ODSCC TSP AXIAL	In Service via ARC
3	1	76	DSI	H06+.03	ODSCC TSP AXIAL	In Service via ARC
3	2	24	DSI	H07+.00	ODSCC TSP AXIAL	In Service via ARC
3	2	68	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
3	2	112	DSI	H04+.09	ODSCC TSP AXIAL	In Service via ARC
3	3	60	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
3	3	61	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
3	3	65	DSI	H03+.14	ODSCC TSP AXIAL	In Service via ARC
3	3	65	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
3	3	66	DSI	H03-.03	ODSCC TSP AXIAL	In Service via ARC
3	3	66	DSI	H06+.09	ODSCC TSP AXIAL	In Service via ARC
3	3	69	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
3	3	74	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
3	3	78	DSI	H03-.06	ODSCC TSP AXIAL	In Service via ARC
3	3	83	DSI	H02-.12	ODSCC TSP AXIAL	In Service via ARC
3	4	21	DSI	H07-.03	ODSCC TSP AXIAL	In Service via ARC
3	4	23	DSI	H03-.03	ODSCC TSP AXIAL	In Service via ARC
3	4	23	DSI	H02-.03	ODSCC TSP AXIAL	In Service via ARC
3	4	26	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
3	4	32	DSI	H02+.06	ODSCC TSP AXIAL	In Service via ARC
3	4	35	DSI	H02+.06	ODSCC TSP AXIAL	In Service via ARC
3	4	47	DSI	H02+.16	ODSCC TSP AXIAL	In Service via ARC
3	4	86	DSI	H03-.03	ODSCC TSP AXIAL	In Service via ARC
3	4	86	DSI	H02+.13	ODSCC TSP AXIAL	In Service via ARC
3	4	87	DSI	H02+.09	ODSCC TSP AXIAL	In Service via ARC
3	4	89	DSI	C13+.00	ODSCC TSP AXIAL	In Service via ARC
3	4	112	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
3	4	113	DSI	H02+.00	ODSCC TSP AXIAL	Plugged
3	5	18	DSI	H03-.06	ODSCC TSP AXIAL	In Service via ARC
3	5	20	DSI	H02+.20	ODSCC TSP AXIAL	In Service via ARC
3	5	25	DSI	H04-.03	ODSCC TSP AXIAL	In Service via ARC
3	5	36	DSI	H06+.19	ODSCC TSP AXIAL	In Service via ARC
3	5	37	DSI	H02+.09	ODSCC TSP AXIAL	In Service via ARC
3	5	47	DSI	H03+.13	ODSCC TSP AXIAL	In Service via ARC

ENCLOSURE
ATTACHMENT 1

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

3	5	56	DSI	H02-.03	ODSCC TSP AXIAL	In Service via ARC
3	5	78	DSI	H04+.00	ODSCC TSP AXIAL	In Service via ARC
3	5	89	DSI	H04+.03	ODSCC TSP AXIAL	In Service via ARC
3	5	95	DSI	H02-.06	ODSCC TSP AXIAL	In Service via ARC
3	5	95	DSI	H04+.00	ODSCC TSP AXIAL	In Service via ARC
3	5	106	DSI	H08+.00	ODSCC TSP AXIAL	In Service via ARC
3	6	10	DSI	H05+.00	ODSCC TSP AXIAL	In Service via ARC
3	6	26	DSI	H04+.06	ODSCC TSP AXIAL	In Service via ARC
3	6	30	DSI	H03+.17	ODSCC TSP AXIAL	In Service via ARC
3	6	31	DSI	H08-.03	ODSCC TSP AXIAL	In Service via ARC
3	6	38	DSI	H02+.11	ODSCC TSP AXIAL	In Service via ARC
3	6	41	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
3	6	42	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
3	6	43	DSI	H02+.16	ODSCC TSP AXIAL	In Service via ARC
3	6	45	DSI	H02+.11	ODSCC TSP AXIAL	In Service via ARC
3	6	48	DSI	H02+.16	ODSCC TSP AXIAL	In Service via ARC
3	6	48	DSI	H05+.11	ODSCC TSP AXIAL	In Service via ARC
3	6	53	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
3	6	58	SAI	H02+.33	ODSCC TSP AXIAL	Plugged
3	6	58	DSI	H02+.22	ODSCC TSP AXIAL	Plugged
3	6	59	DSI	H04+.09	ODSCC TSP AXIAL	In Service via ARC
3	6	61	DSI	H04-.09	ODSCC TSP AXIAL	Plugged
3	6	61	DSI	H05+.06	ODSCC TSP AXIAL	Plugged
3	6	62	DSI	H03+.03	ODSCC TSP AXIAL	Plugged
3	6	62	DSI	H05+.06	ODSCC TSP AXIAL	Plugged
3	6	63	DSI	H02+.09	ODSCC TSP AXIAL	Plugged
3	6	63	DSI	H03+.03	ODSCC TSP AXIAL	Plugged
3	6	63	DSI	H05+.15	ODSCC TSP AXIAL	Plugged
3	6	66	DSI	H04+.09	ODSCC TSP AXIAL	Plugged
3	6	66	SAI	H03+.11	ODSCC TSP AXIAL	Plugged
3	6	66	DSI	H03+.21	ODSCC TSP AXIAL	Plugged
3	6	68	DSI	H07+.06	ODSCC TSP AXIAL	In Service via ARC
3	6	68	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
3	6	70	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
3	6	77	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
3	6	77	DSI	H02+.06	ODSCC TSP AXIAL	In Service via ARC
3	6	78	DSI	H02+.08	ODSCC TSP AXIAL	In Service via ARC
3	6	79	DSI	H05+.08	ODSCC TSP AXIAL	In Service via ARC
3	6	79	DSI	H02+.05	ODSCC TSP AXIAL	In Service via ARC
3	6	80	DSI	H04+.00	ODSCC TSP AXIAL	In Service via ARC
3	6	81	DSI	H04-.05	ODSCC TSP AXIAL	In Service via ARC
3	6	84	DSI	H04+.11	ODSCC TSP AXIAL	Plugged
3	6	97	DSI	C14-.03	ODSCC TSP AXIAL	In Service via ARC
3	7	4	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC

ENCLOSURE
ATTACHMENT 1

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

3	7	18	DSI	H03+.11	ODSCC TSP AXIAL	In Service via ARC
3	7	30	DSI	H05+.03	ODSCC TSP AXIAL	In Service via ARC
3	7	42	SAI	H03+.37	ODSCC TSP AXIAL	Plugged
3	7	42	DSI	H03+.16	ODSCC TSP AXIAL	Plugged
3	7	44	DSI	H02+.08	ODSCC TSP AXIAL	In Service via ARC
3	7	49	SAI	H03+.18	ODSCC TSP AXIAL	In Service via ARC
3	7	49	DSI	H03+.19	ODSCC TSP AXIAL	In Service via ARC
3	7	63	SAI	H03+.13	ODSCC TSP AXIAL	In Service via ARC
3	7	63	DSI	H03+.13	ODSCC TSP AXIAL	In Service via ARC
3	7	68	SAI	H03+.02	ODSCC TSP AXIAL	In Service via ARC
3	7	68	DSI	H06+.09	ODSCC TSP AXIAL	In Service via ARC
3	7	68	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
3	7	76	DSI	H05+.03	ODSCC TSP AXIAL	In Service via ARC
3	7	88	DSI	H02+.27	ODSCC TSP AXIAL	In Service via ARC
3	7	90	DSI	H05+.08	ODSCC TSP AXIAL	In Service via ARC
3	7	93	DSI	H04+.05	ODSCC TSP AXIAL	In Service via ARC
3	7	101	DSI	H05+.00	ODSCC TSP AXIAL	In Service via ARC
3	7	102	DSI	H04+.05	ODSCC TSP AXIAL	In Service via ARC
3	7	102	DSI	H05+.08	ODSCC TSP AXIAL	In Service via ARC
3	7	104	DSI	H05+.00	ODSCC TSP AXIAL	In Service via ARC
3	7	106	DSI	H04+.00	ODSCC TSP AXIAL	In Service via ARC
3	7	109	DSI	H04+.06	ODSCC TSP AXIAL	In Service via ARC
3	8	3	DSI	H02+.09	ODSCC TSP AXIAL	In Service via ARC
3	8	10	DSI	H05+.09	ODSCC TSP AXIAL	In Service via ARC
3	8	64	DSI	H04+.08	ODSCC TSP AXIAL	In Service via ARC
3	8	64	DSI	H05+.11	ODSCC TSP AXIAL	In Service via ARC
3	8	76	DSI	H04+.11	ODSCC TSP AXIAL	In Service via ARC
3	9	22	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
3	9	46	DSI	H04+.05	ODSCC TSP AXIAL	In Service via ARC
3	9	48	SAI	H03+.37	ODSCC TSP AXIAL	Plugged
3	9	48	DSI	H03+.11	ODSCC TSP AXIAL	Plugged
3	9	53	DSI	H04+.05	ODSCC TSP AXIAL	In Service via ARC
3	9	62	DSI	H04+.11	ODSCC TSP AXIAL	In Service via ARC
3	10	15	DSI	H05+.03	ODSCC TSP AXIAL	In Service via ARC
3	10	36	DSI	H04+.14	ODSCC TSP AXIAL	In Service via ARC
3	10	40	DSI	H03-.05	ODSCC TSP AXIAL	In Service via ARC
3	10	44	SAI	H03+.06	ODSCC TSP AXIAL	Plugged
3	10	44	DSI	H03-.08	ODSCC TSP AXIAL	Plugged
3	10	52	DSI	H05+.15	ODSCC TSP AXIAL	Plugged
3	10	52	DSI	H04+.15	ODSCC TSP AXIAL	Plugged
3	10	61	DSI	H04+.05	ODSCC TSP AXIAL	In Service via ARC
3	10	61	DSI	H02+.08	ODSCC TSP AXIAL	In Service via ARC
3	10	66	DSI	H02+.19	ODSCC TSP AXIAL	In Service via ARC
3	10	75	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC

ENCLOSURE
ATTACHMENT 1

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

3	10	76	DSI	H03-.05	ODSCC TSP AXIAL	In Service via ARC
3	10	82	DSI	H04+.13	ODSCC TSP AXIAL	In Service via ARC
3	10	83	DSI	H03+.05	ODSCC TSP AXIAL	In Service via ARC
3	10	88	DSI	H05+.05	ODSCC TSP AXIAL	In Service via ARC
3	10	97	DSI	H03+.08	ODSCC TSP AXIAL	In Service via ARC
3	10	101	DSI	H02+.13	ODSCC TSP AXIAL	In Service via ARC
3	10	112	DSI	H05+.00	ODSCC TSP AXIAL	In Service via ARC
3	10	113	DSI	H02-.03	ODSCC TSP AXIAL	In Service via ARC
3	11	62	DSI	H02+.09	ODSCC TSP AXIAL	In Service via ARC
3	11	68	SAI	H03+.17	ODSCC TSP AXIAL	In Service via ARC
3	11	68	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
3	11	85	DSI	H02+.27	ODSCC TSP AXIAL	In Service via ARC
3	11	90	DSI	H04-.19	ODSCC TSP AXIAL	In Service via ARC
3	11	90	DSI	H05-.13	ODSCC TSP AXIAL	In Service via ARC
3	11	96	SAI	H03+.20	ODSCC TSP AXIAL	Plugged
3	11	96	DSI	H03-.03	ODSCC TSP AXIAL	Plugged
3	11	97	DSI	H02+.16	ODSCC TSP AXIAL	In Service via ARC
3	11	111	DSI	H05+.06	ODSCC TSP AXIAL	In Service via ARC
3	12	36	DSI	H05+.05	ODSCC TSP AXIAL	In Service via ARC
3	12	37	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
3	12	51	DSI	H04-.14	ODSCC TSP AXIAL	In Service via ARC
3	12	83	DSI	H06+.03	ODSCC TSP AXIAL	In Service via ARC
3	12	85	DSI	H05+.05	ODSCC TSP AXIAL	In Service via ARC
3	12	88	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
3	13	72	DSI	H02+.11	ODSCC TSP AXIAL	In Service via ARC
3	13	75	DSI	H02+.08	ODSCC TSP AXIAL	In Service via ARC
3	14	21	DSI	H03-.03	ODSCC TSP AXIAL	In Service via ARC
3	14	48	DSI	H02+.14	ODSCC TSP AXIAL	Plugged
3	14	48	DSI	H06+.06	ODSCC TSP AXIAL	Plugged
3	14	62	DSI	H04+.16	ODSCC TSP AXIAL	In Service via ARC
3	14	62	DSI	H02+.05	ODSCC TSP AXIAL	In Service via ARC
3	14	86	DSI	H01+.29	ODSCC TSP AXIAL	In Service via ARC
3	14	100	SAI	H02+.19	ODSCC TSP AXIAL	Plugged
3	14	100	DSI	H02+.05	ODSCC TSP AXIAL	Plugged
3	14	111	DSI	H02+.09	ODSCC TSP AXIAL	In Service via ARC
3	15	72	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
3	15	75	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
3	16	49	DSI	H04+.05	ODSCC TSP AXIAL	In Service via ARC
3	16	67	DSI	H04+.06	ODSCC TSP AXIAL	In Service via ARC
3	16	67	DSI	H05+.06	ODSCC TSP AXIAL	In Service via ARC
3	16	69	DSI	H05+.06	ODSCC TSP AXIAL	In Service via ARC
3	16	97	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
3	17	45	DSI	H03-.03	ODSCC TSP AXIAL	In Service via ARC
3	17	86	DSI	H02+.05	ODSCC TSP AXIAL	In Service via ARC

ENCLOSURE
ATTACHMENT 1

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

3	17	88	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
3	17	92	DSI	H05+.03	ODSCC TSP AXIAL	In Service via ARC
3	17	94	DSI	H05+.00	ODSCC TSP AXIAL	In Service via ARC
3	17	95	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
3	18	87	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
3	18	88	DSI	H06+.03	ODSCC TSP AXIAL	In Service via ARC
3	18	91	DSI	H04+.00	ODSCC TSP AXIAL	In Service via ARC
3	19	90	DSI	H05+.00	ODSCC TSP AXIAL	In Service via ARC
3	19	90	DSI	H03+.11	ODSCC TSP AXIAL	In Service via ARC
3	20	45	DSI	H02+.05	ODSCC TSP AXIAL	In Service via ARC
3	20	86	DSI	H06-.05	ODSCC TSP AXIAL	In Service via ARC
3	21	19	DSI	H02+.18	ODSCC TSP AXIAL	In Service via ARC
3	21	98	DSI	H02+.05	ODSCC TSP AXIAL	In Service via ARC
3	22	23	DSI	H03-.20	ODSCC TSP AXIAL	In Service via ARC
3	22	65	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
3	22	76	DSI	H02+.13	ODSCC TSP AXIAL	In Service via ARC
3	22	84	DSI	H08+.03	ODSCC TSP AXIAL	In Service via ARC
3	22	90	DSI	H03-.24	ODSCC TSP AXIAL	In Service via ARC
3	22	92	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
3	22	94	SAI	H03+.10	ODSCC TSP AXIAL	Plugged
3	22	105	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
3	25	14	DSI	H02-.18	ODSCC TSP AXIAL	In Service via ARC
3	25	27	SAI	H02+.24	ODSCC TSP AXIAL	In Service via ARC
3	25	27	DSI	H02+.12	ODSCC TSP AXIAL	In Service via ARC
3	25	98	DSI	H03-.03	ODSCC TSP AXIAL	In Service via ARC
3	26	99	DSI	H04-.08	ODSCC TSP AXIAL	In Service via ARC
3	28	94	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
3	28	94	DSI	H03+.05	ODSCC TSP AXIAL	In Service via ARC
3	28	95	DSI	H04-.05	ODSCC TSP AXIAL	In Service via ARC
3	28	95	DSI	H02+.11	ODSCC TSP AXIAL	In Service via ARC
3	28	95	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
3	28	95	DSI	H06-.05	ODSCC TSP AXIAL	In Service via ARC
3	29	87	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
3	29	103	DSI	H06+.12	ODSCC TSP AXIAL	In Service via ARC
3	31	99	DSI	H02-.03	ODSCC TSP AXIAL	In Service via ARC
3	32	26	DSI	H02-.03	ODSCC TSP AXIAL	Plugged
3	32	26	SAI	H02+.05	ODSCC TSP AXIAL	Plugged
3	32	56	SAI	H03+.01	ODSCC TSP AXIAL	Plugged
3	32	56	SAI	H03+.19	ODSCC TSP AXIAL	Plugged
3	32	56	DSI	H03+.00	ODSCC TSP AXIAL	Plugged
3	33	95	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
3	34	57	DSI	H04+.08	ODSCC TSP AXIAL	In Service via ARC
3	35	30	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
3	35	51	DSI	H05-.25	ODSCC TSP AXIAL	In Service via ARC

ENCLOSURE
ATTACHMENT 1

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

3	35	57	DSI	H03+.05	ODSCC TSP AXIAL	In Service via ARC
3	37	96	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
3	38	55	DSI	H02-.05	ODSCC TSP AXIAL	In Service via ARC
3	40	91	DSI	H05+.00	ODSCC TSP AXIAL	In Service via ARC
3	44	70	DSI	H06-.19	ODSCC TSP AXIAL	In Service via ARC
3	46	33	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
3	47	63	DSI	H02-.03	ODSCC TSP AXIAL	In Service via ARC
3	48	67	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
4	1	26	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
4	1	29	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
4	1	32	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
4	1	55	DSI	H02-.06	ODSCC TSP AXIAL	In Service via ARC
4	1	57	DSI	H04+.03	ODSCC TSP AXIAL	In Service via ARC
4	1	70	DSI	H02+.06	ODSCC TSP AXIAL	In Service via ARC
4	1	83	DSI	H04-.12	ODSCC TSP AXIAL	In Service via ARC
4	1	87	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
4	1	113	DSI	H02-.03	ODSCC TSP AXIAL	In Service via ARC
4	2	30	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
4	2	39	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
4	2	39	DSI	H07+.00	ODSCC TSP AXIAL	In Service via ARC
4	2	39	DSI	H04+.03	ODSCC TSP AXIAL	In Service via ARC
4	2	43	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
4	2	53	DSI	H02+.09	ODSCC TSP AXIAL	In Service via ARC
4	2	61	DSI	H03-.06	ODSCC TSP AXIAL	In Service via ARC
4	2	66	DSI	C12+.00	ODSCC TSP AXIAL	In Service via ARC
4	2	98	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
4	3	9	DSI	H05-.03	ODSCC TSP AXIAL	In Service via ARC
4	3	25	DSI	H03+.00	ODSCC TSP AXIAL	Plugged
4	3	29	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
4	3	34	DSI	H03-.03	ODSCC TSP AXIAL	In Service via ARC
4	3	39	DSI	H05-.03	ODSCC TSP AXIAL	In Service via ARC
4	3	40	DSI	H05-.03	ODSCC TSP AXIAL	In Service via ARC
4	3	41	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
4	3	53	DSI	H05-.03	ODSCC TSP AXIAL	Plugged
4	3	56	DSI	H04-.12	ODSCC TSP AXIAL	In Service via ARC
4	3	58	DSI	H05+.06	ODSCC TSP AXIAL	In Service via ARC
4	3	63	DSI	H02+.09	ODSCC TSP AXIAL	In Service via ARC
4	3	66	DSI	H05+.00	ODSCC TSP AXIAL	In Service via ARC
4	3	74	DSI	H02+.09	ODSCC TSP AXIAL	In Service via ARC
4	3	89	DSI	H02-.21	ODSCC TSP AXIAL	Plugged
4	3	101	DSI	H04-.06	ODSCC TSP AXIAL	Plugged
4	3	102	DSI	H03-.06	ODSCC TSP AXIAL	In Service via ARC
4	3	104	DSI	H02-.09	ODSCC TSP AXIAL	In Service via ARC
4	4	13	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC

ENCLOSURE
ATTACHMENT 1

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

4	4	26	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
4	4	33	DSI	H03+.06	ODSCC TSP AXIAL	Plugged
4	4	39	DSI	H03+.00	ODSCC TSP AXIAL	Plugged
4	4	43	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
4	4	46	DSI	H05-.09	ODSCC TSP AXIAL	Plugged
4	4	52	DSI	H04+.00	ODSCC TSP AXIAL	In Service via ARC
4	4	59	DSI	H05-.06	ODSCC TSP AXIAL	In Service via ARC
4	4	60	DSI	H06+.09	ODSCC TSP AXIAL	In Service via ARC
4	4	60	DSI	H04+.06	ODSCC TSP AXIAL	In Service via ARC
4	4	64	DSI	H05-.09	ODSCC TSP AXIAL	In Service via ARC
4	4	70	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
4	4	72	DSI	H02-.03	ODSCC TSP AXIAL	In Service via ARC
4	4	81	DSI	H06+.06	ODSCC TSP AXIAL	Plugged
4	4	85	DSI	H02-.27	ODSCC TSP AXIAL	In Service via ARC
4	4	87	DSI	H02-.24	ODSCC TSP AXIAL	In Service via ARC
4	4	87	DSI	H03-.09	ODSCC TSP AXIAL	In Service via ARC
4	4	99	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
4	4	100	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
4	4	107	DSI	H03-.12	ODSCC TSP AXIAL	In Service via ARC
4	4	114	DSI	H04-.03	ODSCC TSP AXIAL	In Service via ARC
4	5	2	DSI	H05-.23	ODSCC TSP AXIAL	In Service via ARC
4	5	31	DSI	H03+.15	ODSCC TSP AXIAL	In Service via ARC
4	5	32	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
4	5	36	DSI	H03+.12	ODSCC TSP AXIAL	In Service via ARC
4	5	38	DSI	H03-.03	ODSCC TSP AXIAL	In Service via ARC
4	5	40	DSI	H03-.06	ODSCC TSP AXIAL	In Service via ARC
4	5	41	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
4	5	42	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
4	5	52	DSI	H02+.06	ODSCC TSP AXIAL	In Service via ARC
4	5	55	DSI	H02-.17	ODSCC TSP AXIAL	In Service via ARC
4	5	55	DSI	H04-.06	ODSCC TSP AXIAL	In Service via ARC
4	5	62	DSI	H05-.06	ODSCC TSP AXIAL	In Service via ARC
4	5	62	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
4	5	62	DSI	H03-.03	ODSCC TSP AXIAL	In Service via ARC
4	5	66	DSI	H04-.06	ODSCC TSP AXIAL	In Service via ARC
4	5	67	DSI	H05+.00	ODSCC TSP AXIAL	In Service via ARC
4	5	68	DSI	H02-.11	ODSCC TSP AXIAL	In Service via ARC
4	5	68	DSI	H05-.03	ODSCC TSP AXIAL	In Service via ARC
4	5	73	DSI	H04+.00	ODSCC TSP AXIAL	In Service via ARC
4	5	75	DSI	H04+.15	ODSCC TSP AXIAL	In Service via ARC
4	5	81	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
4	5	97	DSI	H03-.12	ODSCC TSP AXIAL	In Service via ARC
4	5	98	DSI	H02-.06	ODSCC TSP AXIAL	In Service via ARC
4	5	102	DSI	H04-.27	ODSCC TSP AXIAL	In Service via ARC

ENCLOSURE
ATTACHMENT 1

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

4	5	103	DSI	H04+.00	ODSCC TSP AXIAL	In Service via ARC
4	5	106	SAI	H02+.21	ODSCC TSP AXIAL	In Service via ARC
4	5	106	SAI	H02+.10	ODSCC TSP AXIAL	In Service via ARC
4	5	106	DSI	H02-.03	ODSCC TSP AXIAL	In Service via ARC
4	5	108	SAI	H02+.11	ODSCC TSP AXIAL	In Service via ARC
4	5	108	DSI	H02-.09	ODSCC TSP AXIAL	In Service via ARC
4	5	113	DSI	H04-.03	ODSCC TSP AXIAL	In Service via ARC
4	6	6	DSI	H02+.09	ODSCC TSP AXIAL	In Service via ARC
4	6	8	SAI	H02+.20	ODSCC TSP AXIAL	Plugged
4	6	8	DSI	H02-.08	ODSCC TSP AXIAL	Plugged
4	6	27	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
4	6	28	DSI	H03+.18	ODSCC TSP AXIAL	In Service via ARC
4	6	40	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
4	6	45	DSI	H04+.20	ODSCC TSP AXIAL	In Service via ARC
4	6	49	DSI	H05+.09	ODSCC TSP AXIAL	Plugged
4	6	49	DSI	H04+.03	ODSCC TSP AXIAL	Plugged
4	6	50	DSI	H04-.06	ODSCC TSP AXIAL	In Service via ARC
4	6	84	DSI	H07-.03	ODSCC TSP AXIAL	In Service via ARC
4	6	100	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
4	6	101	DSI	H03+.18	ODSCC TSP AXIAL	In Service via ARC
4	6	109	DSI	H05+.12	ODSCC TSP AXIAL	In Service via ARC
4	6	109	DSI	H04+.15	ODSCC TSP AXIAL	In Service via ARC
4	6	110	DSI	H05+.03	ODSCC TSP AXIAL	Plugged
4	6	110	SAI	H03+.17	ODSCC TSP AXIAL	Plugged
4	6	110	SAI	H03+.18	ODSCC TSP AXIAL	Plugged
4	6	110	DSI	H03-.03	ODSCC TSP AXIAL	Plugged
4	6	113	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
4	6	113	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
4	7	5	DSI	H04+.03	ODSCC TSP AXIAL	In Service via ARC
4	7	6	SAI	H02+.23	ODSCC TSP AXIAL	In Service via ARC
4	7	6	SAI	H02+.26	ODSCC TSP AXIAL	In Service via ARC
4	7	6	DSI	H02+.06	ODSCC TSP AXIAL	In Service via ARC
4	7	40	DSI	H03+.08	ODSCC TSP AXIAL	In Service via ARC
4	7	43	DSI	H04+.06	ODSCC TSP AXIAL	In Service via ARC
4	7	45	DSI	H04+.15	ODSCC TSP AXIAL	In Service via ARC
4	7	59	DSI	C10+.03	ODSCC TSP AXIAL	In Service via ARC
4	7	62	DSI	H05+.05	ODSCC TSP AXIAL	In Service via ARC
4	7	65	DSI	H05+.06	ODSCC TSP AXIAL	In Service via ARC
4	7	75	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
4	7	96	DSI	H02+.08	ODSCC TSP AXIAL	In Service via ARC
4	7	97	SAI	H02+.25	ODSCC TSP AXIAL	Plugged
4	7	97	DSI	H02+.14	ODSCC TSP AXIAL	Plugged
4	7	97	DSI	H03+.00	ODSCC TSP AXIAL	Plugged
4	7	99	DSI	H02-.05	ODSCC TSP AXIAL	In Service via ARC

ENCLOSURE
ATTACHMENT 1

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

4	7	102	DSI	H02+.06	ODSCC TSP AXIAL	In Service via ARC
4	7	108	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
4	7	112	SAI	H03+.21	ODSCC TSP AXIAL	In Service via ARC
4	7	112	SAI	H03+.22	ODSCC TSP AXIAL	In Service via ARC
4	7	112	SAI	H03+.03	ODSCC TSP AXIAL	In Service via ARC
4	7	112	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
4	8	27	DSI	H03+.20	ODSCC TSP AXIAL	In Service via ARC
4	8	27	DSI	H04+.11	ODSCC TSP AXIAL	In Service via ARC
4	8	27	DSI	H02+.12	ODSCC TSP AXIAL	In Service via ARC
4	8	34	DSI	H03+.06	ODSCC TSP AXIAL	Plugged
4	8	34	DSI	H02+.03	ODSCC TSP AXIAL	Plugged
4	8	36	DSI	H03+.18	ODSCC TSP AXIAL	In Service via ARC
4	8	39	DSI	H03+.21	ODSCC TSP AXIAL	In Service via ARC
4	8	39	DSI	H04+.06	ODSCC TSP AXIAL	In Service via ARC
4	8	39	DSI	H02-.06	ODSCC TSP AXIAL	In Service via ARC
4	8	49	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
4	8	49	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
4	8	91	DSI	H02+.08	ODSCC TSP AXIAL	Plugged
4	8	98	DSI	H03+.15	ODSCC TSP AXIAL	In Service via ARC
4	8	100	SAI	H02-.22	ODSCC TSP AXIAL	In Service via ARC
4	8	100	SAI	H02+.04	ODSCC TSP AXIAL	In Service via ARC
4	8	100	DSI	H02+.12	ODSCC TSP AXIAL	In Service via ARC
4	8	103	DSI	H04+.20	ODSCC TSP AXIAL	Plugged
4	8	103	SAI	H02+.18	ODSCC TSP AXIAL	Plugged
4	8	103	DSI	H02+.00	ODSCC TSP AXIAL	Plugged
4	8	104	DSI	H03+.03	ODSCC TSP AXIAL	Plugged
4	8	104	SAI	H03+.06	ODSCC TSP AXIAL	Plugged
4	8	104	SAI	H02+.13	ODSCC TSP AXIAL	Plugged
4	8	104	SAI	H02-.02	ODSCC TSP AXIAL	Plugged
4	8	104	SAI	H02+.02	ODSCC TSP AXIAL	Plugged
4	8	104	DSI	H02-.03	ODSCC TSP AXIAL	Plugged
4	8	111	DSI	H04+.00	ODSCC TSP AXIAL	In Service via ARC
4	9	28	DSI	H03+.03	ODSCC TSP AXIAL	Plugged
4	9	40	DSI	H03+.20	ODSCC TSP AXIAL	In Service via ARC
4	9	41	DSI	H04+.12	ODSCC TSP AXIAL	In Service via ARC
4	9	41	DSI	H03+.27	ODSCC TSP AXIAL	In Service via ARC
4	9	44	DSI	H04+.00	ODSCC TSP AXIAL	Plugged
4	9	49	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
4	9	49	DSI	H04+.12	ODSCC TSP AXIAL	In Service via ARC
4	9	49	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
4	9	60	DSI	H05+.08	ODSCC TSP AXIAL	In Service via ARC
4	10	37	DSI	H04+.21	ODSCC TSP AXIAL	In Service via ARC
4	10	37	DSI	H03+.30	ODSCC TSP AXIAL	In Service via ARC
4	10	47	DSI	H03+.03	ODSCC TSP AXIAL	Plugged

ENCLOSURE
ATTACHMENT 1

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

4	10	51	DSI	C10+.00	ODSCC TSP AXIAL	In Service via ARC
4	10	78	DSI	H03+.12	ODSCC TSP AXIAL	In Service via ARC
4	10	95	SAI	H02-.08	ODSCC TSP AXIAL	Plugged
4	10	95	DSI	H02+.12	ODSCC TSP AXIAL	Plugged
4	11	38	DSI	H02-.12	ODSCC TSP AXIAL	In Service via ARC
4	11	41	DSI	H03+.15	ODSCC TSP AXIAL	In Service via ARC
4	11	41	DSI	H05+.03	ODSCC TSP AXIAL	In Service via ARC
4	12	5	DSI	H04+.08	ODSCC TSP AXIAL	In Service via ARC
4	12	12	DSI	H03+.12	ODSCC TSP AXIAL	In Service via ARC
4	12	14	DSI	H02+.00	ODSCC TSP AXIAL	Plugged
4	12	14	DSI	H05+.00	ODSCC TSP AXIAL	Plugged
4	12	14	SAI	H05+.03	ODSCC TSP AXIAL	Plugged
4	12	24	DSI	H03+.12	ODSCC TSP AXIAL	In Service via ARC
4	12	49	DSI	H02+.09	ODSCC TSP AXIAL	Plugged
4	12	52	DSI	H02+.09	ODSCC TSP AXIAL	In Service via ARC
4	12	53	DSI	H02+.18	ODSCC TSP AXIAL	Plugged
4	12	87	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
4	12	89	DSI	H05-.09	ODSCC TSP AXIAL	In Service via ARC
4	13	40	DSI	H02+.06	ODSCC TSP AXIAL	In Service via ARC
4	13	51	DSI	H04-.09	ODSCC TSP AXIAL	Plugged
4	13	64	DSI	C05+.27	ODSCC TSP AXIAL	In Service via ARC
4	13	77	DSI	H05+.00	ODSCC TSP AXIAL	In Service via ARC
4	13	84	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
4	14	26	DSI	H03+.12	ODSCC TSP AXIAL	In Service via ARC
4	14	29	DSI	H05+.09	ODSCC TSP AXIAL	In Service via ARC
4	14	31	DSI	H05+.00	ODSCC TSP AXIAL	In Service via ARC
4	14	31	DSI	H02-.03	ODSCC TSP AXIAL	In Service via ARC
4	14	32	DSI	H03+.12	ODSCC TSP AXIAL	Plugged
4	14	33	DSI	H04+.11	ODSCC TSP AXIAL	In Service via ARC
4	14	44	DSI	H02+.09	ODSCC TSP AXIAL	In Service via ARC
4	14	47	DSI	H02+.09	ODSCC TSP AXIAL	Plugged
4	14	48	DSI	H02+.06	ODSCC TSP AXIAL	Plugged
4	14	49	DSI	H02+.15	ODSCC TSP AXIAL	Plugged
4	14	72	DSI	H03+.09	ODSCC TSP AXIAL	In Service via ARC
4	14	111	DSI	H02-.20	ODSCC TSP AXIAL	In Service via ARC
4	15	55	DSI	H02+.06	ODSCC TSP AXIAL	In Service via ARC
4	15	101	DSI	C11+.00	ODSCC TSP AXIAL	In Service via ARC
4	16	35	DSI	H02+.00	ODSCC TSP AXIAL	In Service via ARC
4	16	39	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
4	16	82	DSI	C12+.30	ODSCC TSP AXIAL	In Service via ARC
4	16	82	DSI	H02-.03	ODSCC TSP AXIAL	In Service via ARC
4	17	13	DSI	H04-.09	ODSCC TSP AXIAL	In Service via ARC
4	17	55	DSI	H05+.00	ODSCC TSP AXIAL	In Service via ARC
4	17	79	DSI	H04+.11	ODSCC TSP AXIAL	In Service via ARC

ENCLOSURE
ATTACHMENT 1

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TUBE SUPPORT PLATE - "DSI" AND "SAI"

MARCH 2005

4	17	109	DSI	H07-.03	ODSCC TSP AXIAL	In Service via ARC
4	18	70	DSI	H04+.17	ODSCC TSP AXIAL	In Service via ARC
4	20	109	DSI	H04+.09	ODSCC TSP AXIAL	In Service via ARC
4	22	11	DSI	C13+.00	ODSCC TSP AXIAL	In Service via ARC
4	22	58	DSI	H02+.28	ODSCC TSP AXIAL	In Service via ARC
4	24	60	DSI	C10+.00	ODSCC TSP AXIAL	In Service via ARC
4	24	66	DSI	C11+.00	ODSCC TSP AXIAL	In Service via ARC
4	25	108	SAI	H04+.05	ODSCC TSP AXIAL	Plugged
4	25	108	DSI	H04-.12	ODSCC TSP AXIAL	Plugged
4	29	41	DSI	H02+.09	ODSCC TSP AXIAL	In Service via ARC
4	29	62	DSI	H04-.23	ODSCC TSP AXIAL	In Service via ARC
4	30	105	DSI	H03-.03	ODSCC TSP AXIAL	In Service via ARC
4	32	103	DSI	H02-.22	ODSCC TSP AXIAL	In Service via ARC
4	32	103	DSI	H04+.09	ODSCC TSP AXIAL	In Service via ARC
4	33	43	SAI	H01+.08	ODSCC TSP AXIAL	Plugged
4	35	17	DSI	H04+.18	ODSCC TSP AXIAL	In Service via ARC
4	38	84	SAI	H01+.24	ODSCC TSP AXIAL	Plugged
4	39	23	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
4	39	79	DSI	H02+.06	ODSCC TSP AXIAL	In Service via ARC
4	39	79	DSI	H03+.06	ODSCC TSP AXIAL	In Service via ARC
4	39	97	DSI	H06+.12	ODSCC TSP AXIAL	In Service via ARC
4	39	97	DSI	H07+.15	ODSCC TSP AXIAL	In Service via ARC
4	43	28	DSI	H02+.06	ODSCC TSP AXIAL	In Service via ARC
4	46	27	DSI	H02+.03	ODSCC TSP AXIAL	In Service via ARC
4	46	77	DSI	H02+.14	ODSCC TSP AXIAL	In Service via ARC
4	48	42	DSI	C05+.30	ODSCC TSP AXIAL	In Service via ARC
4	48	51	DSI	H03+.00	ODSCC TSP AXIAL	In Service via ARC
4	48	61	DSI	H03+.03	ODSCC TSP AXIAL	In Service via ARC

ENCLOSURE
ATTACHMENT 2

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
ANTI-VIBRATION OR PRE-HEATER WEAR

MARCH 2005

The following are anti vibration bar wear (AVB) or preheater wear indications that may remain in service if the indication is less than 40% through wall. Also listed are indications of loose parts wear or other volumetric indications that are plugged on detection. The bobbin coil call is the percent through wall (maximum depth) with associated voltage.

SG	ROW	COL	VOLTAGE	MAX DEPTH	LOCATION	CHARACTERIZATION	RESOLUTION
1	14	69	0.19	18	C04-.01	Loose Parts Wear	Plugged
1	28	71	0.46	24	AV4-.24	AVB WEAR	In Service <40%
1	28	71	0.7	31	AV1+.03	AVB WEAR	In Service <40%
1	29	89	0.33	21	AV2-.06	AVB WEAR	In Service <40%
1	32	46	0.14	10	AV4-.15	AVB WEAR	In Service <40%
1	36	46	0.24	15	AV3-.03	AVB WEAR	In Service <40%
1	36	58	0.16	11	AV1+.27	AVB WEAR	In Service <40%
1	36	81	0.23	16	AV4-.49	AVB WEAR	In Service <40%
1	37	24	0.17	11	AV3+.00	AVB WEAR	In Service <40%
1	37	24	0.42	22	AV2+.00	AVB WEAR	In Service <40%
1	37	47	0.38	21	AV4+.09	AVB WEAR	In Service <40%
1	37	80	0.37	22	AV1-.49	AVB WEAR	In Service <40%
1	38	71	0.25	15	AV2-.09	AVB WEAR	In Service <40%
1	42	22	0.19	11	AV1+.00	AVB WEAR	Plugged
1	42	81	0.39	23	AV1+.17	AVB WEAR	In Service <40%
1	43	49	0.28	17	AV1+.00	AVB WEAR	In Service <40%
1	43	50	0.19	12	AV1+.21	AVB WEAR	In Service <40%
1	43	58	0.3	18	AV1-.09	AVB WEAR	In Service <40%
1	43	62	0.42	23	AV1-.09	AVB WEAR	In Service <40%
1	44	64	0.18	12	AV1-.21	AVB WEAR	In Service <40%
1	47	81	0.29	17	AV1-.09	AVB WEAR	In Service <40%
2	18	56	0.31	23	AV4+.00	AVB WEAR	In Service <40%
2	26	42	0.28	18	AV4+.00	AVB WEAR	In Service <40%
2	28	38	0.22	15	AV4+.00	AVB WEAR	In Service <40%
2	31	37	0.16	16	AV2+.00	AVB WEAR	In Service <40%
2	33	12	0.22	16	AV2+.21	AVB WEAR	In Service <40%
2	33	37	0.17	17	AV2-.09	AVB WEAR	In Service <40%
2	35	36	0.16	10	AV3+.00	AVB WEAR	In Service <40%
2	35	57	0.26	18	AV2+.00	AVB WEAR	In Service <40%
2	36	51	0.1	9	AV3+.03	AVB WEAR	In Service <40%
2	37	46	0.23	16	AV3-.03	AVB WEAR	Plugged
2	37	50	0.26	17	AV3+.00	AVB WEAR	In Service <40%
2	37	51	0.19	16	AV3+.00	AVB WEAR	In Service <40%
2	37	51	0.23	18	AV2-.06	AVB WEAR	In Service <40%
2	37	52	0.21	14	AV2+.00	AVB WEAR	In Service <40%
2	37	54	0.22	16	AV2+.00	AVB WEAR	In Service <40%
2	37	54	0.28	20	AV3+.00	AVB WEAR	In Service <40%
2	37	83	0.46	28	AV3-.12	AVB WEAR	In Service <40%
2	40	74	0.2	14	AV1-.24	AVB WEAR	In Service <40%
2	40	74	0.32	20	AV3-.21	AVB WEAR	In Service <40%
2	40	74	0.32	20	AV4+.42	AVB WEAR	In Service <40%
2	42	28	0.37	19	AV2+.00	AVB WEAR	In Service <40%
2	42	50	0.24	16	AV2+.03	AVB WEAR	In Service <40%

ENCLOSURE
ATTACHMENT 2

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
ANTI-VIBRATION OR PRE-HEATER WEAR

MARCH 2005

2	42	82	0.22	15	AV2-.21	AVB WEAR	In Service <40%
2	45	74	0.27	20	AV2-.12	AVB WEAR	In Service <40%
2	48	36	0.4	10	C06+.34	PRE-HEATER WEAR	In Service <40%
2	48	67	0.4	26	AV1-.03	AVB WEAR	In Service <40%
2	49	37	0.38	10	C06+.31	PRE-HEATER WEAR	In Service <40%
3	19	38	0.25	14	AV4+.00	AVB WEAR	In Service <40%
3	19	77	0.38	24	AV1+.00	AVB WEAR	In Service <40%
3	19	77	0.72	33	AV4+.00	AVB WEAR	In Service <40%
3	28	75	0.2	12	AV1+.00	AVB WEAR	In Service <40%
3	28	98	0.11	10	AV3+.00	AVB WEAR	In Service <40%
3	36	66	0.31	16	AV3-.05	AVB WEAR	In Service <40%
3	36	66	0.46	22	AV2-.08	AVB WEAR	In Service <40%
3	37	95	0.24	18	AV1+.00	AVB WEAR	In Service <40%
3	37	96	0.26	15	AV2-.18	AVB WEAR	In Service <40%
3	39	71	0.26	15	AV4+.00	AVB WEAR	In Service <40%
3	40	33	0.26	14	AV2+.18	AVB WEAR	In Service <40%
3	40	33	0.25	14	AV3-.09	AVB WEAR	In Service <40%
3	40	61	0.26	19	AV2+.00	AVB WEAR	In Service <40%
3	40	61	0.3	20	AV3-.08	AVB WEAR	In Service <40%
3	40	93	0.27	15	AV1+.09	AVB WEAR	In Service <40%
3	42	91	0.29	16	AV2+.06	AVB WEAR	In Service <40%
3	42	91	0.35	18	AV3+.00	AVB WEAR	In Service <40%
3	43	53	0.3	16	AV1+.03	AVB WEAR	In Service <40%
3	45	30	0.2	16	AV3-.03	AVB WEAR	Plugged
3	45	51	0.26	14	AV2-.06	AVB WEAR	In Service <40%
4	15	58	0.96	51	C03+3.19	Volumetric Indication	Plugged
4	23	85	0.93	34	AV3+.00	AVB WEAR	In Service <40%
4	24	106	0.22	13	AV3+.00	AVB WEAR	In Service <40%
4	24	106	0.24	14	AV2+.00	AVB WEAR	In Service <40%
4	29	69	0.42	24	AV2-.06	AVB WEAR	In Service <40%
4	32	86	0.31	17	AV4+.00	AVB WEAR	In Service <40%
4	34	70	0.39	19	AV2+.00	AVB WEAR	In Service <40%
4	36	74	0.3	16	AV3+.00	AVB WEAR	Plugged
4	36	74	0.41	20	AV4+.00	AVB WEAR	Plugged
4	36	86	0.21	12	AV4-.09	AVB WEAR	In Service <40%
4	37	64	0.3	16	AV1+.00	AVB WEAR	In Service <40%
4	38	17	0.36	19	AV4+.00	AVB WEAR	In Service <40%
4	40	81	0.3	16	AV3+.00	AVB WEAR	In Service <40%
4	41	22	0.16	10	AV2-.03	AVB WEAR	In Service <40%
4	41	22	0.19	12	AV4-.15	AVB WEAR	In Service <40%
4	41	22	0.23	13	AV3-.24	AVB WEAR	In Service <40%
4	41	24	0.36	20	AV2+.12	AVB WEAR	In Service <40%
4	42	49	0.36	19	AV1+.00	AVB WEAR	In Service <40%
4	42	49	0.61	28	AV2+.00	AVB WEAR	In Service <40%
4	42	49	0.68	30	AV4+.00	AVB WEAR	In Service <40%
4	42	49	0.72	31	AV3+.00	AVB WEAR	In Service <40%
4	43	41	0.15	10	AV1+.00	AVB WEAR	In Service <40%
4	45	88	0.19	12	AV1+.14	AVB WEAR	In Service <40%
4	48	39	0.49	8	C06+.08	Loose Parts Wear	Plugged

ENCLOSURE
ATTACHMENT 3

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TOP OF TUBESHEET - AXIAL

MARCH 2005

The following are axial outside diameter stress corrosion cracking (ODSCC) indications at the top of the tubesheet or inside the tubesheet on the hot leg side. These indications are plugged or sleeved on detection. The Plus Point voltage is an indication of the severity of the flaws and is listed for each indication.

SG	ROW	COL	VOLTAGE	INDICATION	LOCATION	CHARACTERIZATION	RESOLUTION
1	3	74	0.24	SAI	HTS-.03	ODSCC HTS AXIAL	Sleeved
1	5	79	0.14	SAI	HTS-.08	ODSCC HTS AXIAL	Sleeved
1	5	80	0.08	SAI	HTS-.11	ODSCC HTS AXIAL	Plugged
1	5	82	0.08	SAI	HTS-.12	ODSCC HTS AXIAL	Sleeved
1	10	65	0.65	SAI	HTS+.07	ODSCC HTS AXIAL	Plugged
1	16	58	0.33	SAI	HTS+.13	ODSCC HTS AXIAL	Plugged
1	21	52	0.34	SAI	HTS+.11	ODSCC HTS AXIAL	Sleeved
2	10	53	0.12	SAI	HTS-.04	ODSCC HTS AXIAL	Plugged
2	12	51	0.38	SAI	HTS-.08	ODSCC HTS AXIAL	Plugged
2	16	35	0.12	SAI	HTS-.03	ODSCC HTS AXIAL	Plugged
2	31	72	0.55	SAI	HTS-.02	ODSCC HTS AXIAL	Plugged
2	46	40	2.66	SAI	HTE+.25	ODSCC HTS AXIAL	Plugged
2	46	40	0.94	SAI	HTE+.24	ODSCC HTS AXIAL	Plugged
3	22	59	0.1	SAI	HTS+.07	ODSCC HTS AXIAL	Plugged
4	17	19	0.53	SAI	HTS+.08	ODSCC HTS AXIAL	Plugged
4	17	19	0.64	SAI	HTS+.07	ODSCC HTS AXIAL	Plugged
4	26	46	0.58	SAI	HTS-.07	ODSCC HTS AXIAL	Plugged
4	31	17	1.41	SAI	HTS+.00	ODSCC HTS AXIAL	Plugged

ENCLOSURE
ATTACHMENT 4

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
SLUDGE PILE

MARCH 2005

The following are axial outside diameter stress corrosion cracking (ODSCC) indications in the sludge pile area above the tubesheet on the hot leg side. These indications are plugged or sleeved on detection. The Plus Point voltage is an indication of the severity of the flaws and is listed for each indication.

SG	ROW	COL	VOLTAGE	INDICATION	LOCATION	CHARACTERIZATION	RESOLUTION
1	22	57	0.12	SAI	HTS+2.20	ODSCC SLUDGE PILE	Sleeved
1	23	60	0.25	SAI	HTS+1.27	ODSCC SLUDGE PILE	Sleeved
1	23	60	0.1	SAI	HTS+1.33	ODSCC SLUDGE PILE	Sleeved
1	24	57	0.19	SAI	HTS+2.24	ODSCC SLUDGE PILE	Sleeved
1	24	58	0.18	SAI	HTS+2.53	ODSCC SLUDGE PILE	Sleeved
2	21	55	0.13	SAI	HTS+1.59	ODSCC SLUDGE PILE	Plugged
2	22	58	0.24	SAI	HTS+.53	ODSCC SLUDGE PILE	Plugged
2	22	64	0.17	SAI	HTS+2.06	ODSCC SLUDGE PILE	Plugged
2	22	65	0.19	SAI	HTS+2.41	ODSCC SLUDGE PILE	Plugged
2	23	56	0.16	SAI	HTS+2.21	ODSCC SLUDGE PILE	Plugged
2	23	65	0.25	SAI	HTS+2.74	ODSCC SLUDGE PILE	Plugged
2	24	54	0.12	SAI	HTS+1.91	ODSCC SLUDGE PILE	Plugged
3	25	58	0.09	SAI	HTS+.47	ODSCC SLUDGE PILE	Plugged
4	20	67	0.18	SAI	HTS+2.58	ODSCC SLUDGE PILE	Sleeved
4	21	48	0.13	SAI	HTS+2.79	ODSCC SLUDGE PILE	Plugged
4	22	57	0.11	SAI	HTS+1.24	ODSCC SLUDGE PILE	Sleeved
4	22	57	0.16	SAI	HTS+2.26	ODSCC SLUDGE PILE	Sleeved
4	22	68	0.23	SAI	HTS+2.70	ODSCC SLUDGE PILE	Sleeved
4	23	49	0.15	SAI	HTS+2.85	ODSCC SLUDGE PILE	Plugged
4	23	55	0.08	SAI	HTS+2.76	ODSCC SLUDGE PILE	Sleeved
4	23	61	0.12	SAI	HTS+2.61	ODSCC SLUDGE PILE	Sleeved
4	24	49	0.25	SAI	HTS+2.61	ODSCC SLUDGE PILE	Sleeved

ENCLOSURE
ATTACHMENT 5

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
DINGS IN PRE-HEATER REGION

MARCH 2005

The following indications are axial outside diameter stress corrosion cracking (ODSCC) indications associated with dings in the preheater region of the steam generator. These indications are plugged on detection.

SG	ROW	COL	VOLTAGE	INDICATION	LOCATION	CHARACTERIZATION	RESOLUTION
4	6	16	0.71	SAI	C03+2.44	ODSCC AXIAL	Plugged
4	15	58	0.88	SVI	C03+3.19	ODSCC AXIAL	Plugged

ENCLOSURE
ATTACHMENT 6

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
PRIMARY WATER STRESS CORROSION CRACKING (PWSCC)
BULDGE CRACKS

MARCH 2005

The indications below are primary water stress corrosion cracking (PWSCC) indications on the cold leg side. The cracking is associated with an overexpansion above the tubesheet. Two tubes were affected with multiple indications. These indications are plugged on detection.

SG	ROW	COL	VOLTAGE	INDICATION	LOCATION	CHARACTERIZATION	RESOLUTION
3	42	28	0.08	SAI	CTS+3.88	PWSCC CTS AXIAL	Plugged
3	42	28	0.64	SAI	CTS+3.87	PWSCC CTS AXIAL	Plugged
3	42	28	0.41	SAI	CTS+3.89	PWSCC CTS AXIAL	Plugged
3	42	28	0.43	SAI	CTS+3.89	PWSCC CTS AXIAL	Plugged
3	42	28	0.34	SAI	CTS+3.91	PWSCC CTS AXIAL	Plugged
3	42	28	0.18	SAI	CTS+3.86	PWSCC CTS AXIAL	Plugged
3	42	28	0.44	SAI	CTS+3.90	PWSCC CTS AXIAL	Plugged
3	45	30	2.47	SAI	CTS+4.17	PWSCC CTS AXIAL	Plugged
3	45	30	0.73	SAI	CTS+4.08	PWSCC CTS AXIAL	Plugged
3	45	30	1.11	SAI	CTS+4.10	PWSCC CTS AXIAL	Plugged
3	45	30	1.14	SAI	CTS+4.11	PWSCC CTS AXIAL	Plugged
3	45	30	0.85	SAI	CTS+4.07	PWSCC CTS AXIAL	Plugged
3	45	30	0.99	SAI	CTS+4.12	PWSCC CTS AXIAL	Plugged
3	45	30	0.74	SAI	CTS+4.09	PWSCC CTS AXIAL	Plugged

ENCLOSURE
ATTACHMENT 7

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
PRIMARY WATER STRESS CORROSION CRACKING (PWSCC)
U-BEND AREA

MARCH 2005

The following indication is axial primary water stress corrosion cracking (PWSCC) in the U-Bend area at the apex. These indications are plugged on detection.

SG	ROW	COL	VOLTAGE	INDICATION	LOCATION	CHARACTERIZATION	RESOLUTION
4	3	89	0.58	SAI	H08+8.68	PWSCC UBEND AXIAL	Plugged

ENCLOSURE
ATTACHMENT 8

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
PRIMARY WATER STRESS CORROSION CRACKING (PWSCC)
TOP OF TUBESHEET - AXIAL

MARCH 2005

The following indications are primary water stress corrosion cracking (PWSCC) indications at the top of the tubesheet on the hot leg side (HTS) or inside the tubesheet. The eddy current call "SAI" is a plus point probe call with the associated voltage listed. These indications are either plugged, sleeved or remain in service via F* Alternate Repair Criteria. Details of the F* indications were reported to the NRC in the required F* Report prior to startup.

SG	ROW	COL	VOLTAGE	INDICATION	LOCATION	CHARACTERIZATION	RESOLUTION
1	5	80	0.7	SAI	HTE+.18	PWSCC HTS AXIAL	Plugged
1	11	33	1.78	SAI	HTE+.27	PWSCC HTS AXIAL	Plugged
1	13	41	0.77	SAI	HTS+.02	PWSCC HTS AXIAL	Sleeved
1	18	99	0.33	SAI	HTS-.12	PWSCC HTS AXIAL	Plugged
1	18	99	0.98	SAI	HTE+.24	PWSCC HTS AXIAL	Plugged
1	23	58	0.32	SAI	HTS+.12	PWSCC HTS AXIAL	Plugged
1	23	73	1	SAI	HTS+.10	PWSCC HTS AXIAL	Plugged
1	27	51	0.49	SAI	HTS-.15	PWSCC HTS AXIAL	Sleeved
1	40	76	0.59	SAI	HTS-.15	PWSCC HTS AXIAL	Plugged
1	42	22	0.38	SAI	HTS-.02	PWSCC HTS AXIAL	Plugged
1	43	36	0.38	SAI	HTS+.04	PWSCC HTS AXIAL	Plugged
1	47	70	1.89	SAI	HTE+.41	PWSCC HTS AXIAL	Plugged
2	2	87	0.37	SAI	HTS+.01	PWSCC HTS AXIAL	Plugged
2	4	51	2.87	SAI	HTE+.61	PWSCC HTS AXIAL	Plugged
2	5	67	0.57	SAI	HTS-3.09	PWSCC HTS AXIAL	In Service via F*
2	7	25	2.55	SAI	HTE+.28	PWSCC HTS AXIAL	Plugged
2	7	25	1	SAI	HTE+.24	PWSCC HTS AXIAL	Plugged
2	7	81	5.58	SAI	HTE+.97	PWSCC HTS AXIAL	Plugged
2	7	81	3.58	SAI	HTE+.96	PWSCC HTS AXIAL	Plugged
2	7	81	4.78	SAI	HTE+.92	PWSCC HTS AXIAL	Plugged
2	7	81	0.97	SAI	HTE+.83	PWSCC HTS AXIAL	Plugged
2	7	81	1.04	SAI	HTE+.80	PWSCC HTS AXIAL	Plugged
2	7	81	4.01	SAI	HTE+.95	PWSCC HTS AXIAL	Plugged
2	9	61	0.45	SAI	HTS+.03	PWSCC HTS AXIAL	Plugged
2	9	61	1.03	SAI	HTE+.27	PWSCC HTS AXIAL	Plugged
2	10	26	1.36	SAI	HTS+.10	PWSCC HTS AXIAL	Plugged
2	11	28	0.43	SAI	HTS-.01	PWSCC HTS AXIAL	Plugged
2	11	29	0.28	SAI	HTS+.04	PWSCC HTS AXIAL	Plugged
2	12	32	0.64	SAI	HTS-.14	PWSCC HTS AXIAL	Plugged
2	15	24	0.42	SAI	HTS-.13	PWSCC HTS AXIAL	Plugged
2	15	38	0.26	SAI	HTS-.03	PWSCC HTS AXIAL	Plugged
2	24	29	0.64	SAI	HTS-10.61	PWSCC HTS AXIAL	Plugged
2	24	29	3.81	SAI	HTS-10.34	PWSCC HTS AXIAL	Plugged
2	26	19	2.16	SAI	HTE+.72	PWSCC HTS AXIAL	Plugged
2	27	19	1.24	SAI	HTS-.01	PWSCC HTS AXIAL	Plugged
2	27	28	1.64	SAI	HTE+.63	PWSCC HTS AXIAL	Plugged
2	28	36	1.64	SAI	HTE+.45	PWSCC HTS AXIAL	Plugged

ENCLOSURE
ATTACHMENT 8

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
PRIMARY WATER STRESS CORROSION CRACKING (PWSCC)
TOP OF TUBESHEET - AXIAL

MARCH 2005

2	28	36	1.67	SAI	HTE+.46	PWSCC HTS AXIAL	Plugged
2	28	36	0.6	SAI	HTE+.41	PWSCC HTS AXIAL	Plugged
2	28	36	1.06	SAI	HTE+.41	PWSCC HTS AXIAL	Plugged
2	32	24	1.23	SAI	HTE+.68	PWSCC HTS AXIAL	Plugged
2	32	24	2.18	SAI	HTS-10.45	PWSCC HTS AXIAL	Plugged
2	32	24	2.18	SAI	HTS-10.50	PWSCC HTS AXIAL	Plugged
2	32	24	1.08	SAI	HTS-8.42	PWSCC HTS AXIAL	Plugged
2	32	24	2.79	SAI	HTE+.53	PWSCC HTS AXIAL	Plugged
2	32	24	0.91	SAI	HTS-8.62	PWSCC HTS AXIAL	Plugged
2	32	24	0.94	SAI	HTS-9.26	PWSCC HTS AXIAL	Plugged
2	32	24	1.06	SAI	HTE+.65	PWSCC HTS AXIAL	Plugged
2	32	24	1.22	SAI	HTS-9.28	PWSCC HTS AXIAL	Plugged
2	32	24	0.54	SAI	HTS-10.51	PWSCC HTS AXIAL	Plugged
2	32	24	1.67	SAI	HTS-9.30	PWSCC HTS AXIAL	Plugged
2	32	24	0.5	SAI	HTS-8.65	PWSCC HTS AXIAL	Plugged
2	32	25	2.12	SAI	HTE+.54	PWSCC HTS AXIAL	Plugged
2	32	30	6.51	SAI	HTS-9.58	PWSCC HTS AXIAL	Plugged
2	32	31	0.27	SAI	HTE+.56	PWSCC HTS AXIAL	Plugged
2	32	31	0.87	SAI	HTE+.57	PWSCC HTS AXIAL	Plugged
2	34	33	4.17	SAI	HTE+.57	PWSCC HTS AXIAL	Plugged
2	34	33	3.27	SAI	HTE+.56	PWSCC HTS AXIAL	Plugged
2	34	48	2.69	SAI	HTE+.66	PWSCC HTS AXIAL	Plugged
2	35	26	1.97	SAI	HTE+.58	PWSCC HTS AXIAL	Plugged
2	35	26	3.83	SAI	HTE+.59	PWSCC HTS AXIAL	Plugged
2	37	67	1.36	SAI	HTE+.81	PWSCC HTS AXIAL	Plugged
3	15	66	0.83	SAI	HTS+.10	PWSCC HTS AXIAL	Plugged
3	15	66	0.83	SAI	HTS+.09	PWSCC HTS AXIAL	Plugged
3	15	66	0.55	SAI	HTS+.00	PWSCC HTS AXIAL	Plugged
3	15	78	0.4	SAI	HTS+.01	PWSCC HTS AXIAL	Plugged
3	17	33	0.8	SAI	HTS-1.18	PWSCC HTS AXIAL	Plugged
3	17	33	0.53	SAI	HTS-1.20	PWSCC HTS AXIAL	Plugged
3	18	66	0.95	SAI	HTS-.01	PWSCC HTS AXIAL	Plugged
3	18	81	0.23	SAI	HTS+.10	PWSCC HTS AXIAL	Plugged
3	18	81	0.48	SAI	HTS+.13	PWSCC HTS AXIAL	Plugged
3	18	81	0.48	SAI	HTS+.08	PWSCC HTS AXIAL	Plugged
3	19	75	1.58	SAI	HTS-4.28	PWSCC HTS AXIAL	In Service via F*
3	19	75	0.96	SAI	HTS-4.32	PWSCC HTS AXIAL	In Service via F*
3	19	75	1.66	SAI	HTS-4.29	PWSCC HTS AXIAL	In Service via F*
3	19	75	1.28	SAI	HTS-4.27	PWSCC HTS AXIAL	In Service via F*
3	19	75	1.08	SAI	HTS-4.31	PWSCC HTS AXIAL	In Service via F*
3	19	79	0.38	SAI	HTS+.03	PWSCC HTS AXIAL	Plugged
3	19	79	0.3	SAI	HTS+.11	PWSCC HTS AXIAL	Plugged
3	19	83	0.69	SAI	HTS+.08	PWSCC HTS AXIAL	Plugged
3	19	83	0.28	SAI	HTS+.03	PWSCC HTS AXIAL	Plugged
3	22	69	0.17	SAI	HTS+.00	PWSCC HTS AXIAL	Plugged

ENCLOSURE
ATTACHMENT 8

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
PRIMARY WATER STRESS CORROSION CRACKING (PWSCC)
TOP OF TUBESHEET - AXIAL

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3	22	84	0.4	SAI	HTS-2.29	PWSCC HTS AXIAL	In Service via F*
3	27	43	0.5	SAI	HTS+.00	PWSCC HTS AXIAL	Plugged
3	28	42	0.57	SAI	HTS+.00	PWSCC HTS AXIAL	Plugged
3	31	98	1.15	SAI	HTS+.08	PWSCC HTS AXIAL	Plugged
4	4	37	0.34	SAI	HTS-.01	PWSCC HTS AXIAL	Plugged
4	4	49	0.19	SAI	HTS-.12	PWSCC HTS AXIAL	Plugged
4	4	82	2.31	SAI	HTE+.46	PWSCC HTS AXIAL	Plugged
4	4	82	3.83	SAI	HTE+.56	PWSCC HTS AXIAL	Plugged
4	4	82	2.24	SAI	HTE+.49	PWSCC HTS AXIAL	Plugged
4	4	82	5.06	SAI	HTE+.59	PWSCC HTS AXIAL	Plugged
4	6	52	0.87	SAI	HTE+.50	PWSCC HTS AXIAL	Plugged
4	6	56	1.89	SAI	HTE+.38	PWSCC HTS AXIAL	Plugged
4	6	56	1.66	SAI	HTE+.41	PWSCC HTS AXIAL	Plugged
4	6	56	2.98	SAI	HTE+.39	PWSCC HTS AXIAL	Plugged
4	6	56	2.45	SAI	HTE+.42	PWSCC HTS AXIAL	Plugged
4	6	56	1.59	SAI	HTE+.40	PWSCC HTS AXIAL	Plugged
4	8	18	0.46	SAI	HTS+.03	PWSCC HTS AXIAL	Plugged
4	8	18	0.26	SAI	HTS+.02	PWSCC HTS AXIAL	Plugged
4	8	82	6.1	SAI	HTE+.66	PWSCC HTS AXIAL	Plugged
4	8	82	5.2	SAI	HTE+.69	PWSCC HTS AXIAL	Plugged
4	13	61	0.78	SAI	HTE+.60	PWSCC HTS AXIAL	Plugged
4	13	65	1.2	SAI	HTE+.52	PWSCC HTS AXIAL	Plugged
4	17	32	0.83	SAI	HTS-4.92	PWSCC HTS AXIAL	Plugged
4	17	32	1.4	SAI	HTS-6.90	PWSCC HTS AXIAL	Plugged
4	17	32	0.6	SAI	HTS-18.11	PWSCC HTS AXIAL	Plugged
4	17	32	0.51	SAI	HTS-.01	PWSCC HTS AXIAL	Plugged
4	17	32	1.65	SAI	HTS-5.48	PWSCC HTS AXIAL	Plugged
4	17	32	1.08	SAI	HTS-4.58	PWSCC HTS AXIAL	Plugged
4	17	32	2.8	SAI	HTS-5.40	PWSCC HTS AXIAL	Plugged
4	17	32	0.49	SAI	HTS-4.01	PWSCC HTS AXIAL	Plugged
4	17	32	0.95	SAI	HTS-2.33	PWSCC HTS AXIAL	Plugged
4	17	32	0.83	SAI	HTS-6.86	PWSCC HTS AXIAL	Plugged
4	17	32	0.54	SAI	HTS-2.34	PWSCC HTS AXIAL	Plugged
4	17	32	0.61	SAI	HTS-19.96	PWSCC HTS AXIAL	Plugged
4	17	32	0.47	SAI	HTS-2.08	PWSCC HTS AXIAL	Plugged
4	18	35	2.09	SAI	HTE+.47	PWSCC HTS AXIAL	Plugged
4	19	26	0.3	SAI	HTS+.00	PWSCC HTS AXIAL	Plugged
4	19	27	0.18	SAI	HTS+.00	PWSCC HTS AXIAL	Plugged
4	19	28	0.2	SAI	HTS-.02	PWSCC HTS AXIAL	Plugged
4	19	32	2.9	SAI	HTE+.56	PWSCC HTS AXIAL	Plugged
4	22	31	2	SAI	HTE+.61	PWSCC HTS AXIAL	Plugged
4	22	37	2.32	SAI	HTE+.59	PWSCC HTS AXIAL	Plugged
4	23	49	3.9	SAI	HTE+.66	PWSCC HTS AXIAL	Plugged
4	26	46	0.54	SAI	HTS-6.00	PWSCC HTS AXIAL	Plugged
4	26	46	1.88	SAI	HTS-6.44	PWSCC HTS AXIAL	Plugged

ENCLOSURE
ATTACHMENT 8

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
PRIMARY WATER STRESS CORROSION CRACKING (PWSCC)
TOP OF TUBESHEET - AXIAL

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4	26	46	0.66	SAI	HTS-6.43	PWSCC HTS AXIAL	Plugged
4	26	46	2.36	SAI	HTS-5.89	PWSCC HTS AXIAL	Plugged
4	28	36	3.34	SAI	HTS-3.38	PWSCC HTS AXIAL	Plugged
4	29	47	0.3	SAI	HTS-.02	PWSCC HTS AXIAL	Sleeved
4	35	14	2.77	SAI	HTS-4.68	PWSCC HTS AXIAL	In Service via F*
4	35	14	1.31	SAI	HTS-4.77	PWSCC HTS AXIAL	In Service via F*
4	35	39	0.92	SAI	HTS+.02	PWSCC HTS AXIAL	Plugged
4	36	66	1.81	SAI	HTE+.85	PWSCC HTS AXIAL	Plugged
4	36	74	2.57	SAI	HTE+.60	PWSCC HTS AXIAL	Plugged
4	36	74	1.46	SAI	HTE+.49	PWSCC HTS AXIAL	Plugged
4	36	74	2.03	SAI	HTE+.48	PWSCC HTS AXIAL	Plugged
4	38	83	2.24	SAI	HTE+.49	PWSCC HTS AXIAL	Plugged
4	38	83	2.71	SAI	HTE+.47	PWSCC HTS AXIAL	Plugged
4	38	83	2.9	SAI	HTE+.48	PWSCC HTS AXIAL	Plugged
4	38	83	2.37	SAI	HTE+.52	PWSCC HTS AXIAL	Plugged
4	38	84	3.65	SAI	HTE+.57	PWSCC HTS AXIAL	Plugged
4	38	84	2.19	SAI	HTE+.51	PWSCC HTS AXIAL	Plugged
4	38	84	2.37	SAI	HTE+.54	PWSCC HTS AXIAL	Plugged
4	38	84	1.33	SAI	HTE+.49	PWSCC HTS AXIAL	Plugged
4	38	84	1.61	SAI	HTE+.47	PWSCC HTS AXIAL	Plugged
4	38	84	2.43	SAI	HTE+.53	PWSCC HTS AXIAL	Plugged
4	38	86	2.56	SAI	HTE+.36	PWSCC HTS AXIAL	Plugged
4	38	86	3.48	SAI	HTE+.34	PWSCC HTS AXIAL	Plugged
4	38	87	0.93	SAI	HTE+.45	PWSCC HTS AXIAL	Plugged
4	38	87	2.56	SAI	HTE+.59	PWSCC HTS AXIAL	Plugged
4	38	87	3.57	SAI	HTE+.53	PWSCC HTS AXIAL	Plugged
4	38	87	3.45	SAI	HTE+.56	PWSCC HTS AXIAL	Plugged
4	39	19	2.01	SAI	HTS-4.73	PWSCC HTS AXIAL	In Service via F*

ENCLOSURE
ATTACHMENT 9

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
PRIMARY WATER STRESS CORROSION CRACKING (PWSCC)
TOP OF TUBESHEET - CIRCUMFERENTIAL

MARCH 2005

The following are circumferential primary water stress corrosion cracking (PWSCC) indications at the top of the tubesheet on the hot leg side. These indications are plugged or sleeved on detection.

SG	ROW	COL	VOLTAGE	INDICATION	LOCATION	CHARACTERIZATION	RESOLUTION
1	23	63	0.54	SCI	HTS-.09	PWSCC HTS CIRC	Sleeved
1	23	63	0.36	SCI	HTS-.10	PWSCC HTS CIRC	Sleeved
1	36	53	0.61	SCI	HTS-.03	PWSCC HTS CIRC	Plugged
1	36	53	1.98	SCI	HTE+.29	PWSCC HTS CIRC	Plugged
2	24	82	0.17	SCI	HTS-.05	PWSCC HTS CIRC	Plugged
2	38	66	0.44	SCI	HTS-.04	PWSCC HTS CIRC	Sleeved
4	44	23	0.19	SCI	HTS-.02	PWSCC HTS CIRC	Plugged

ENCLOSURE
ATTACHMENT 10

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
PREVENTIVE PLUGGING

MARCH 2005

The following indication was plugged due to noisy data that could mask a flaw.

SG	ROW	COL	VOLTAGE	INDICATION	LOCATION	CHARACTERIZATION	RESOLUTION
3	40	81	0	TBP	+0.00	Permeability Variation	Plugged

ENCLOSURE
ATTACHMENT 11

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TOP OF TUBE SHEET - CIRCUMFERENTIAL

MARCH 2005

The following are circumferential outside diameter stress corrosion cracking (ODSCC) indications at the top of the tubesheet on the hot leg side. These indications are plugged or sleeved on detection.

SG	ROW	COL	VOLTAGE	INDICATION	LOCATION	CHARACTERIZATION	RESOLUTION
1	2	1	0.09	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
1	3	1	0.09	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
1	3	19	0.09	SCI	HTS-.11	ODSCC HTS CIRC	Sleeved
1	3	20	0.11	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved
1	3	21	0.11	SCI	HTS-.10	ODSCC HTS CIRC	Sleeved
1	3	102	0.16	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
1	4	37	0.08	SCI	HTS-.17	ODSCC HTS CIRC	Sleeved
1	5	3	0.2	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
1	5	14	0.11	SCI	HTS-.13	ODSCC HTS CIRC	Sleeved
1	5	18	0.13	SCI	HTS-.14	ODSCC HTS CIRC	Sleeved
1	5	18	0.06	SCI	HTS-.06	ODSCC HTS CIRC	Sleeved
1	5	19	0.11	SCI	HTS-.12	ODSCC HTS CIRC	Plugged
1	5	77	0.16	SCI	HTS-.16	ODSCC HTS CIRC	Plugged
1	6	4	0.12	SCI	HTS-.11	ODSCC HTS CIRC	Plugged
1	6	6	0.1	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
1	6	6	0.14	SCI	HTS-.10	ODSCC HTS CIRC	Sleeved
1	6	23	0.09	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
1	6	35	0.11	SCI	HTS-.03	ODSCC HTS CIRC	Sleeved
1	7	12	0.07	SCI	HTS-.06	ODSCC HTS CIRC	Sleeved
1	7	12	0.1	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved
1	7	14	0.13	SCI	HTS-.05	ODSCC HTS CIRC	Sleeved
1	7	17	0.14	SCI	HTS-.04	ODSCC HTS CIRC	Sleeved
1	7	19	0.12	SCI	HTS-.07	ODSCC HTS CIRC	Plugged
1	7	88	0.19	SCI	HTS-.13	ODSCC HTS CIRC	Sleeved
1	7	98	0.13	SCI	HTS-.01	ODSCC HTS CIRC	Sleeved
1	8	75	0.11	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
1	9	5	0.14	SCI	HTS-.03	ODSCC HTS CIRC	Sleeved
1	9	8	0.11	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
1	9	9	0.12	SCI	HTS-.02	ODSCC HTS CIRC	Sleeved
1	9	83	0.08	SCI	HTS-.03	ODSCC HTS CIRC	Sleeved
1	9	97	0.15	SCI	HTS+.00	ODSCC HTS CIRC	Sleeved
1	9	99	0.07	SCI	HTS-.04	ODSCC HTS CIRC	Sleeved
1	10	30	0.29	SCI	HTS-.06	ODSCC HTS CIRC	Sleeved
1	10	83	0.14	SCI	HTS-.01	ODSCC HTS CIRC	Sleeved
1	10	83	0.09	SCI	HTS-.02	ODSCC HTS CIRC	Sleeved
1	11	33	0.12	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
1	12	2	0.1	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
1	12	8	0.1	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved

ENCLOSURE
ATTACHMENT 11

WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TOP OF TUBE SHEET - CIRCUMFERENTIAL

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1	12	22	0.18	SCI	HTS+.00	ODSCC HTS CIRC	Sleeved
1	12	25	0.12	SCI	HTS-.02	ODSCC HTS CIRC	Sleeved
1	12	25	0.08	SCI	HTS-.04	ODSCC HTS CIRC	Sleeved
1	12	25	0.11	SCI	HTS-.03	ODSCC HTS CIRC	Sleeved
1	13	23	0.1	SCI	HTS-.11	ODSCC HTS CIRC	Sleeved
1	13	27	0.11	SCI	HTS-.06	ODSCC HTS CIRC	Sleeved
1	14	93	0.09	SCI	HTS-.01	ODSCC HTS CIRC	Sleeved
1	16	14	0.13	SCI	HTS-.14	ODSCC HTS CIRC	Sleeved
1	16	58	0.12	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
1	16	85	0.16	SCI	HTS-.01	ODSCC HTS CIRC	Sleeved
1	16	89	0.11	SCI	HTS-.10	ODSCC HTS CIRC	Sleeved
1	17	8	0.17	SCI	HTS-.05	ODSCC HTS CIRC	Sleeved
1	17	25	0.05	SCI	HTS-.05	ODSCC HTS CIRC	Sleeved
1	17	90	0.33	SCI	HTS-.13	ODSCC HTS CIRC	Sleeved
1	18	17	0.1	SCI	HTS-.04	ODSCC HTS CIRC	Sleeved
1	18	25	0.1	SCI	HTS-.04	ODSCC HTS CIRC	Sleeved
1	18	29	0.21	SCI	HTS-.01	ODSCC HTS CIRC	Sleeved
1	19	90	0.11	SCI	HTS-.01	ODSCC HTS CIRC	Sleeved
1	20	25	0.09	SCI	HTS-.02	ODSCC HTS CIRC	Sleeved
1	20	26	0.11	SCI	HTS-.02	ODSCC HTS CIRC	Sleeved
1	20	27	0.12	SCI	HTS-.02	ODSCC HTS CIRC	Sleeved
1	20	54	0.14	SCI	HTS-.04	ODSCC HTS CIRC	Sleeved
1	20	57	0.17	SCI	HTS-.05	ODSCC HTS CIRC	Sleeved
1	21	13	0.26	SCI	HTS-.03	ODSCC HTS CIRC	Sleeved
1	21	31	0.12	SCI	HTS-.01	ODSCC HTS CIRC	Sleeved
1	21	34	0.14	SCI	HTS-.02	ODSCC HTS CIRC	Sleeved
1	21	34	0.09	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved
1	21	91	0.18	SCI	HTS-.02	ODSCC HTS CIRC	Sleeved
1	22	22	0.15	SCI	HTS-.10	ODSCC HTS CIRC	Sleeved
1	22	22	0.12	SCI	HTS-.12	ODSCC HTS CIRC	Sleeved
1	22	22	0.08	SCI	HTS-.11	ODSCC HTS CIRC	Sleeved
1	22	24	0.11	SCI	HTS-.03	ODSCC HTS CIRC	Sleeved
1	22	25	0.08	SCI	HTS-.03	ODSCC HTS CIRC	Sleeved
1	22	26	0.15	SCI	HTS-.05	ODSCC HTS CIRC	Sleeved
1	22	27	0.13	SCI	HTS-.05	ODSCC HTS CIRC	Sleeved
1	22	39	0.15	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
1	23	25	0.07	SCI	HTS-.06	ODSCC HTS CIRC	Sleeved
1	24	10	0.16	SCI	HTS-.07	ODSCC HTS CIRC	Plugged
1	24	90	0.24	SCI	HTS-.12	ODSCC HTS CIRC	Sleeved
1	25	9	0.16	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
1	25	10	0.31	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
1	25	12	0.16	SCI	HTS-.06	ODSCC HTS CIRC	Sleeved
1	25	25	0.16	SCI	HTS-.09	ODSCC HTS CIRC	Sleeved
1	25	46	0.09	SCI	HTS-.01	ODSCC HTS CIRC	Sleeved
1	25	48	0.22	SCI	HTS-.10	ODSCC HTS CIRC	Sleeved

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WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
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TOP OF TUBE SHEET - CIRCUMFERENTIAL

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1	25	51	0.17	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved
1	26	52	0.11	SCI	HTS-.04	ODSCC HTS CIRC	Sleeved
1	26	66	0.09	SCI	HTS-.02	ODSCC HTS CIRC	Sleeved
1	26	92	0.11	SCI	HTS-.12	ODSCC HTS CIRC	Sleeved
1	27	28	0.21	SCI	HTS-.04	ODSCC HTS CIRC	Sleeved
1	27	45	0.18	SCI	HTS-.05	ODSCC HTS CIRC	Sleeved
1	27	45	0.08	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
1	27	50	0.09	SCI	HTS-.02	ODSCC HTS CIRC	Sleeved
1	27	60	0.15	SCI	HTS-.01	ODSCC HTS CIRC	Sleeved
1	27	62	0.16	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved
1	28	14	0.18	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
1	28	27	0.09	SCI	HTS-.05	ODSCC HTS CIRC	Sleeved
1	28	63	0.13	SCI	HTS-.05	ODSCC HTS CIRC	Sleeved
1	29	13	0.17	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
1	29	14	0.1	SCI	HTS-.17	ODSCC HTS CIRC	Plugged
1	29	26	0.11	SCI	HTS-.09	ODSCC HTS CIRC	Sleeved
1	29	78	0.09	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
1	31	19	0.13	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
1	32	12	0.06	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
1	32	14	0.07	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
1	32	16	0.15	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
1	33	52	0.19	SCI	HTS-.11	ODSCC HTS CIRC	Sleeved
1	33	84	0.14	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
1	34	15	0.17	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
1	34	51	0.09	SCI	HTS-.12	ODSCC HTS CIRC	Sleeved
1	35	16	0.25	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
1	35	17	0.12	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
1	35	17	0.16	SCI	HTS+.01	ODSCC HTS CIRC	Plugged
1	35	18	0.17	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
1	35	20	0.06	SCI	HTS-.13	ODSCC HTS CIRC	Plugged
1	35	20	0.08	SCI	HTS-.09	ODSCC HTS CIRC	Plugged
1	35	24	0.08	SCI	HTS-.05	ODSCC HTS CIRC	Sleeved
1	35	27	0.09	SCI	HTS-.11	ODSCC HTS CIRC	Plugged
1	35	47	0.21	SCI	HTS-.13	ODSCC HTS CIRC	Sleeved
1	35	49	0.07	SCI	HTS-.10	ODSCC HTS CIRC	Sleeved
1	35	53	0.8	SCI	HTS-.11	ODSCC HTS CIRC	Plugged
1	35	58	0.1	SCI	HTS-.04	ODSCC HTS CIRC	Sleeved
1	35	74	0.08	SCI	HTS-.04	ODSCC HTS CIRC	Sleeved
1	36	17	0.09	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
1	36	89	0.12	SCI	HTS-.10	ODSCC HTS CIRC	Sleeved
1	37	18	0.08	SCI	HTS-.09	ODSCC HTS CIRC	Plugged
1	37	79	0.11	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved
1	37	82	0.16	SCI	HTS-.14	ODSCC HTS CIRC	Sleeved
1	39	18	0.15	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
1	39	72	0.11	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved

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STEAM GENERATOR INSERVICE INSPECTION
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1	40	31	0.14	SCI	HTS-.04	ODSCC HTS CIRC	Sleeved
1	40	76	0.14	SCI	HTS-.25	ODSCC HTS CIRC	Plugged
1	41	26	0.25	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
1	41	48	0.1	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
1	41	54	0.36	SCI	HTS-.01	ODSCC HTS CIRC	Sleeved
1	41	92	0.08	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
1	41	93	0.11	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
1	42	22	0.15	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
1	42	23	0.08	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
1	42	23	0.12	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
1	42	25	0.1	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
1	42	73	0.23	SCI	HTS-.06	ODSCC HTS CIRC	Sleeved
1	42	83	0.12	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved
1	42	94	0.1	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
1	43	23	0.1	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
1	43	28	0.13	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
1	43	29	0.2	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
1	43	30	0.19	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
1	43	36	0.11	SCI	HTS-.09	ODSCC HTS CIRC	Plugged
1	43	46	0.09	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
1	43	78	0.27	SCI	HTS-.03	ODSCC HTS CIRC	Sleeved
1	43	83	0.12	SCI	HTS-.02	ODSCC HTS CIRC	Sleeved
1	43	84	0.07	SCI	HTS-.01	ODSCC HTS CIRC	Sleeved
1	43	93	0.23	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
1	44	25	0.12	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
1	44	25	0.19	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
1	44	26	0.49	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
1	44	27	0.14	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
1	44	32	0.09	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
1	44	51	0.27	SCI	HTS-.03	ODSCC HTS CIRC	Sleeved
1	44	56	0.1	SCI	HTS-.02	ODSCC HTS CIRC	Sleeved
1	45	25	0.19	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
1	45	26	0.15	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
1	45	30	0.17	SCI	HTS-.14	ODSCC HTS CIRC	Plugged
1	45	48	0.13	SCI	HTS-.03	ODSCC HTS CIRC	Sleeved
1	45	49	0.15	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved
1	45	53	0.18	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
1	45	54	0.13	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
1	45	63	0.11	SCI	HTS-.05	ODSCC HTS CIRC	Sleeved
1	45	82	0.2	SCI	HTS+.00	ODSCC HTS CIRC	Sleeved
1	46	47	0.09	SCI	HTS-.06	ODSCC HTS CIRC	Sleeved
1	46	48	0.19	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved
1	46	49	0.2	SCI	HTS-.11	ODSCC HTS CIRC	Sleeved
1	47	70	0.1	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
1	47	85	0.11	SCI	HTS-.01	ODSCC HTS CIRC	Plugged

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1	48	46	0.12	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved
1	48	55	0.15	SCI	HTS-.09	ODSCC HTS CIRC	Sleeved
1	49	62	0.07	SCI	HTS-.11	ODSCC HTS CIRC	Sleeved
1	49	71	0.11	SCI	HTS-.04	ODSCC HTS CIRC	Sleeved
1	49	79	0.42	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
1	49	80	0.21	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
1	49	80	0.27	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
1	49	81	0.26	SCI	HTS+.00	ODSCC HTS CIRC	Plugged
1	49	83	0.22	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
2	1	5	0.18	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
2	3	16	0.17	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
2	3	96	0.06	SCI	HTS-.09	ODSCC HTS CIRC	Plugged
2	4	3	0.11	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
2	4	6	0.08	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
2	4	51	0.1	SCI	HTS-.12	ODSCC HTS CIRC	Plugged
2	4	92	0.11	SCI	HTS-.09	ODSCC HTS CIRC	Plugged
2	5	8	0.12	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
2	5	17	0.09	SCI	HTS-.07	ODSCC HTS CIRC	Plugged
2	5	80	0.12	SCI	HTS-.11	ODSCC HTS CIRC	Plugged
2	6	3	0.15	SCI	HTS-.11	ODSCC HTS CIRC	Plugged
2	6	51	0.14	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
2	6	51	0.15	SCI	HTS-.07	ODSCC HTS CIRC	Plugged
2	6	92	0.08	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
2	7	2	0.15	SCI	HTS-.14	ODSCC HTS CIRC	Plugged
2	7	25	0.17	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
2	7	29	0.11	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
2	7	81	0.11	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
2	7	90	0.05	SCI	HTS-.11	ODSCC HTS CIRC	Plugged
2	8	100	0.05	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
2	9	2	0.2	SCI	HTS-.07	ODSCC HTS CIRC	Plugged
2	9	3	1.62	SCI	HTS+.12	ODSCC HTS CIRC	Plugged
2	9	4	0.14	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
2	10	2	0.09	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
2	10	77	0.08	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
2	11	3	0.12	SCI	HTS-.21	ODSCC HTS CIRC	Plugged
2	11	20	0.1	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
2	11	27	0.11	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
2	12	3	0.12	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
2	12	6	0.09	SCI	HTS-.16	ODSCC HTS CIRC	Plugged
2	12	43	0.14	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
2	12	43	0.11	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
2	12	56	0.17	SCI	HTS+.03	ODSCC HTS CIRC	Plugged
2	12	79	0.17	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
2	12	81	0.09	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
2	12	81	0.17	SCI	HTS-.08	ODSCC HTS CIRC	Plugged

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TOP OF TUBE SHEET - CIRCUMFERENTIAL

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2	12	82	0.18	SCI	HTS-.07	ODSCC HTS CIRC	Plugged
2	13	44	0.15	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
2	13	79	0.09	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
2	14	77	0.12	SCI	HTS-.14	ODSCC HTS CIRC	Plugged
2	15	18	0.13	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
2	16	5	0.2	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
2	16	8	0.07	SCI	HTS-.15	ODSCC HTS CIRC	Plugged
2	16	8	0.11	SCI	HTS-.09	ODSCC HTS CIRC	Plugged
2	16	55	0.09	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
2	17	5	0.09	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
2	17	19	0.12	SCI	HTS+.05	ODSCC HTS CIRC	Plugged
2	17	93	0.22	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
2	18	9	0.35	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
2	18	79	0.1	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
2	19	48	0.08	SCI	HTS-.11	ODSCC HTS CIRC	Plugged
2	19	49	0.12	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
2	19	71	0.12	SCI	HTS-.17	ODSCC HTS CIRC	Plugged
2	20	12	0.13	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
2	22	65	0.27	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
2	22	73	0.14	SCI	HTS-.34	ODSCC HTS CIRC	Plugged
2	22	86	0.08	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
2	22	87	0.95	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
2	22	88	0.11	SCI	HTS-.07	ODSCC HTS CIRC	Plugged
2	24	24	0.2	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
2	24	29	0.1	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
2	24	41	0.11	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
2	25	20	0.16	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
2	25	44	0.21	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
2	25	48	0.17	SCI	HTS-.09	ODSCC HTS CIRC	Plugged
2	25	49	0.18	SCI	HTS-.09	ODSCC HTS CIRC	Plugged
2	25	50	0.06	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
2	25	66	0.19	SCI	HTS-.07	ODSCC HTS CIRC	Plugged
2	25	71	0.07	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
2	25	73	0.08	SCI	HTS-.13	ODSCC HTS CIRC	Plugged
2	26	10	0.07	SCI	HTS-.12	ODSCC HTS CIRC	Plugged
2	26	12	0.27	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
2	26	16	0.1	SCI	HTS-.17	ODSCC HTS CIRC	Plugged
2	26	19	0.13	SCI	HTS-.07	ODSCC HTS CIRC	Plugged
2	26	21	3.69	SCI	HTS+.11	ODSCC HTS CIRC	Plugged
2	26	45	0.13	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
2	26	47	0.12	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
2	26	61	0.22	SCI	HTS-.12	ODSCC HTS CIRC	Sleeved
2	26	63	0.16	SCI	HTS-.06	ODSCC HTS CIRC	Sleeved
2	26	76	0.1	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
2	26	76	0.1	SCI	HTS-.04	ODSCC HTS CIRC	Plugged

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2	26	100	0.12	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
2	27	16	0.13	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
2	27	19	0.15	SCI	HTS+.02	ODSCC HTS CIRC	Plugged
2	27	28	0.1	SCI	HTS-.07	ODSCC HTS CIRC	Plugged
2	27	35	0.12	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
2	27	60	0.2	SCI	HTS-.06	ODSCC HTS CIRC	Sleeved
2	27	61	0.12	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved
2	27	63	0.13	SCI	HTS-.06	ODSCC HTS CIRC	Sleeved
2	27	64	0.19	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
2	27	65	0.09	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
2	27	75	0.07	SCI	HTS-.13	ODSCC HTS CIRC	Plugged
2	27	83	0.16	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
2	27	96	0.12	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
2	27	98	0.08	SCI	HTS-.11	ODSCC HTS CIRC	Plugged
2	28	22	0.15	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
2	28	24	0.09	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
2	28	29	0.13	SCI	HTS+.05	ODSCC HTS CIRC	Plugged
2	28	29	0.14	SCI	HTS+.04	ODSCC HTS CIRC	Plugged
2	28	36	0.06	SCI	HTS-.13	ODSCC HTS CIRC	Plugged
2	28	49	0.2	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
2	28	49	0.17	SCI	HTS-.02	ODSCC HTS CIRC	Sleeved
2	28	52	0.14	SCI	HTS-.12	ODSCC HTS CIRC	Sleeved
2	28	54	0.08	SCI	HTS-.10	ODSCC HTS CIRC	Sleeved
2	28	75	0.09	SCI	HTS-.13	ODSCC HTS CIRC	Plugged
2	28	75	0.05	SCI	HTS-.11	ODSCC HTS CIRC	Plugged
2	28	91	0.1	SCI	HTS-.13	ODSCC HTS CIRC	Plugged
2	29	10	0.12	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
2	29	13	0.13	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
2	29	14	0.08	SCI	HTS-.09	ODSCC HTS CIRC	Plugged
2	29	14	0.15	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
2	29	18	0.13	SCI	HTS-.17	ODSCC HTS CIRC	Plugged
2	29	20	0.1	SCI	HTS-.12	ODSCC HTS CIRC	Plugged
2	29	41	0.08	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
2	29	62	0.38	SCI	HTS-.06	ODSCC HTS CIRC	Sleeved
2	30	12	0.12	SCI	HTS-.20	ODSCC HTS CIRC	Plugged
2	31	16	0.23	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
2	31	63	0.08	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
2	31	80	0.21	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
2	31	82	0.14	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
2	32	24	0.13	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
2	32	25	0.06	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
2	32	25	0.1	SCI	HTS-.09	ODSCC HTS CIRC	Plugged
2	32	30	0.16	SCI	HTS-.17	ODSCC HTS CIRC	Plugged
2	32	31	0.07	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
2	32	45	0.16	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved

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2	32	46	0.08	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved
2	32	49	0.13	SCI	HTS-.05	ODSCC HTS CIRC	Sleeved
2	32	55	0.15	SCI	HTS-.03	ODSCC HTS CIRC	Sleeved
2	32	56	0.14	SCI	HTS-.03	ODSCC HTS CIRC	Sleeved
2	33	15	0.14	SCI	HTS-.14	ODSCC HTS CIRC	Plugged
2	33	49	0.09	SCI	HTS-.06	ODSCC HTS CIRC	Sleeved
2	33	52	0.08	SCI	HTS-.09	ODSCC HTS CIRC	Sleeved
2	33	60	0.08	SCI	HTS-.11	ODSCC HTS CIRC	Sleeved
2	34	14	0.11	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
2	34	33	0.31	SCI	HTS+.08	ODSCC HTS CIRC	Plugged
2	34	46	0.17	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
2	34	48	0.08	SCI	HTS-.12	ODSCC HTS CIRC	Plugged
2	34	51	0.16	SCI	HTS-.03	ODSCC HTS CIRC	Sleeved
2	34	53	0.09	SCI	HTS-.10	ODSCC HTS CIRC	Sleeved
2	34	62	0.15	SCI	HTS-.04	ODSCC HTS CIRC	Sleeved
2	34	79	0.15	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
2	35	20	0.19	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
2	35	23	0.17	SCI	HTS-.07	ODSCC HTS CIRC	Plugged
2	35	26	0.22	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
2	35	67	0.19	SCI	HTS-.10	ODSCC HTS CIRC	Sleeved
2	35	93	0.15	SCI	HTS-.13	ODSCC HTS CIRC	Plugged
2	36	19	0.15	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
2	37	16	0.11	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
2	37	17	0.2	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
2	37	46	0.11	SCI	HTS-.11	ODSCC HTS CIRC	Plugged
2	37	66	0.16	SCI	HTS-.12	ODSCC HTS CIRC	Sleeved
2	37	67	0.14	SCI	HTS-.12	ODSCC HTS CIRC	Plugged
2	38	17	0.15	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
2	38	23	0.3	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
2	38	49	0.08	SCI	HTS-.14	ODSCC HTS CIRC	Plugged
2	38	62	0.15	SCI	HTS-.14	ODSCC HTS CIRC	Sleeved
2	38	77	0.91	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
2	38	82	0.07	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
2	38	88	0.11	SCI	HTS-.12	ODSCC HTS CIRC	Plugged
2	38	91	0.27	SCI	HTS-.12	ODSCC HTS CIRC	Plugged
2	39	23	0.24	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
2	39	32	0.08	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
2	39	48	0.09	SCI	HTS-.15	ODSCC HTS CIRC	Plugged
2	39	59	0.1	SCI	HTS-.12	ODSCC HTS CIRC	Sleeved
2	40	32	0.09	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
2	40	37	0.1	SCI	HTS-.07	ODSCC HTS CIRC	Plugged
2	40	57	0.1	SCI	HTS-.18	ODSCC HTS CIRC	Sleeved
2	40	75	0.28	SCI	HTS-.13	ODSCC HTS CIRC	Plugged
2	40	89	0.12	SCI	HTS-.15	ODSCC HTS CIRC	Plugged
2	42	22	0.18	SCI	HTS-.05	ODSCC HTS CIRC	Plugged

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2	42	24	0.13	SCI	HTS-.12	ODSCC HTS CIRC	Plugged
2	42	27	0.18	SCI	HTS-.16	ODSCC HTS CIRC	Plugged
2	43	28	0.19	SCI	HTS-.26	ODSCC HTS CIRC	Plugged
2	43	31	0.16	SCI	HTS-.11	ODSCC HTS CIRC	Plugged
2	43	85	0.09	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
2	45	75	0.13	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
2	46	31	0.18	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
2	46	40	0.15	SCI	HTS-.17	ODSCC HTS CIRC	Plugged
2	46	52	0.09	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
2	46	77	0.14	SCI	HTS-.12	ODSCC HTS CIRC	Plugged
2	48	41	0.15	SCI	HTS-.17	ODSCC HTS CIRC	Plugged
2	48	51	0.07	SCI	HTS-.21	ODSCC HTS CIRC	Plugged
2	48	52	0.19	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
2	48	72	0.23	SCI	HTS-.15	ODSCC HTS CIRC	Plugged
3	1	108	0.1	SCI	HTS-.31	ODSCC HTS CIRC	Plugged
3	2	113	0.08	SCI	HTS-.24	ODSCC HTS CIRC	Plugged
3	4	14	0.18	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
3	4	39	0.2	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
3	4	113	0.12	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
3	5	62	0.12	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
3	5	62	0.09	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
3	5	63	0.25	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
3	6	61	0.13	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
3	6	62	0.08	SCI	HTS-.09	ODSCC HTS CIRC	Plugged
3	6	63	0.13	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
3	6	66	0.11	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
3	6	76	0.15	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
3	6	84	0.23	SCI	HTS-.20	ODSCC HTS CIRC	Plugged
3	6	84	0.09	SCI	HTS-.22	ODSCC HTS CIRC	Plugged
3	6	94	0.23	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
3	7	50	0.22	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
3	8	58	0.08	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
3	8	63	0.09	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
3	9	15	0.21	SCI	HTS-.15	ODSCC HTS CIRC	Plugged
3	9	65	0.09	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
3	9	80	0.1	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
3	10	52	0.06	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
3	10	69	0.13	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
3	10	70	0.1	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
3	11	26	0.1	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
3	11	44	0.09	SCI	HTS-.15	ODSCC HTS CIRC	Plugged
3	11	56	0.14	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
3	11	78	0.11	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
3	12	9	0.13	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
3	12	62	0.1	SCI	HTS+.00	ODSCC HTS CIRC	Plugged

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3	12	64	0.19	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
3	12	68	0.07	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
3	14	48	0.12	SCI	HTS+.00	ODSCC HTS CIRC	Plugged
3	14	58	0.17	SCI	HTS-.11	ODSCC HTS CIRC	Plugged
3	15	68	0.06	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
3	16	53	0.1	SCI	HTS-.11	ODSCC HTS CIRC	Plugged
3	17	64	0.14	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
3	17	68	0.12	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
3	17	71	0.27	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
3	18	38	0.09	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
3	18	39	0.23	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
3	18	79	0.11	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
3	19	32	0.16	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
3	19	54	0.09	SCI	HTS+.02	ODSCC HTS CIRC	Plugged
3	19	57	0.07	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
3	19	61	0.07	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
3	20	33	0.18	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
3	20	41	0.08	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
3	20	59	0.14	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
3	20	61	0.11	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
3	20	63	0.17	SCI	HTS-.07	ODSCC HTS CIRC	Plugged
3	20	65	0.07	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
3	20	69	0.08	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
3	21	7	0.09	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
3	21	33	0.18	SCI	HTS+.04	ODSCC HTS CIRC	Plugged
3	21	55	0.08	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
3	21	56	0.09	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
3	22	34	0.09	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
3	22	55	0.17	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
3	22	67	0.18	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
3	22	71	0.26	SCI	HTS-.07	ODSCC HTS CIRC	Plugged
3	22	72	0.15	SCI	HTS+.00	ODSCC HTS CIRC	Plugged
3	22	75	0.09	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
3	23	68	0.18	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
3	24	41	0.09	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
3	24	79	0.1	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
3	24	88	0.22	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
3	25	30	0.1	SCI	HTS-.17	ODSCC HTS CIRC	Plugged
3	25	42	0.19	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
3	25	51	0.1	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
3	25	77	0.11	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
3	26	50	0.18	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
3	26	51	0.1	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
3	26	66	0.11	SCI	HTS+.00	ODSCC HTS CIRC	Plugged
3	27	42	0.1	SCI	HTS-.02	ODSCC HTS CIRC	Plugged

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3	27	51	0.13	SCI	HTS-.12	ODSCC HTS CIRC	Plugged
3	27	57	0.13	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
3	28	47	0.09	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
3	30	38	0.18	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
3	32	25	0.11	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
3	32	25	0.13	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
3	32	26	0.4	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
3	34	41	0.11	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
3	34	45	0.22	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
3	35	20	0.13	SCI	HTS-.11	ODSCC HTS CIRC	Plugged
3	35	40	0.14	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
3	35	44	0.08	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
3	37	42	0.14	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
3	37	44	0.12	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
3	39	32	0.12	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
3	39	34	0.11	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
3	39	39	0.17	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
3	39	41	0.12	SCI	HTS-.11	ODSCC HTS CIRC	Plugged
3	42	31	0.14	SCI	HTS+.00	ODSCC HTS CIRC	Plugged
3	42	37	0.19	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
3	42	42	0.1	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
3	42	42	0.11	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
3	43	47	0.07	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
3	49	64	0.14	SCI	HTS-.09	ODSCC HTS CIRC	Plugged
4	2	32	0.17	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
4	2	33	0.09	SCI	HTS-.12	ODSCC HTS CIRC	Plugged
4	2	61	0.09	SCI	HTS-.02	ODSCC HTS CIRC	Sleeved
4	3	13	0.07	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
4	3	25	0.09	SCI	HTS-.16	ODSCC HTS CIRC	Plugged
4	3	53	0.13	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
4	3	101	0.09	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
4	4	7	0.2	SCI	HTS-.11	ODSCC HTS CIRC	Plugged
4	4	14	0.17	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
4	4	30	0.13	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
4	4	33	0.23	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
4	4	33	0.1	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
4	4	36	0.21	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
4	4	36	0.13	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
4	4	39	0.19	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
4	4	41	0.1	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
4	4	41	0.21	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
4	4	45	0.1	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
4	4	46	0.17	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
4	4	49	0.11	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
4	4	81	0.09	SCI	HTS-.18	ODSCC HTS CIRC	Plugged

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4	4	82	0.14	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
4	5	43	0.11	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
4	5	67	0.07	SCI	HTS-.06	ODSCC HTS CIRC	Sleeved
4	5	67	0.14	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved
4	5	67	0.09	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
4	5	87	0.12	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
4	6	32	0.11	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
4	6	49	0.12	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
4	6	52	0.13	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
4	6	56	0.19	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
4	6	73	0.17	SCI	HTS-.02	ODSCC HTS CIRC	Sleeved
4	6	84	0.19	SCI	HTS-.16	ODSCC HTS CIRC	Sleeved
4	7	8	0.09	SCI	HTS-.07	ODSCC HTS CIRC	Plugged
4	7	8	0.05	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
4	7	17	0.07	SCI	HTS-.14	ODSCC HTS CIRC	Plugged
4	7	17	0.09	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
4	7	30	0.09	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
4	7	51	0.11	SCI	HTS-.07	ODSCC HTS CIRC	Plugged
4	7	52	0.19	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
4	7	60	0.4	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved
4	7	72	0.2	SCI	HTS-.05	ODSCC HTS CIRC	Sleeved
4	7	89	0.14	SCI	HTS-.06	ODSCC HTS CIRC	Sleeved
4	7	101	0.1	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
4	8	32	0.15	SCI	HTS+.00	ODSCC HTS CIRC	Plugged
4	8	34	0.1	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
4	8	35	0.16	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
4	8	35	0.07	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
4	8	43	0.12	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
4	8	57	0.23	SCI	HTS-.06	ODSCC HTS CIRC	Sleeved
4	8	66	0.09	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
4	8	82	0.28	SCI	HTS-.07	ODSCC HTS CIRC	Plugged
4	8	91	0.1	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
4	8	95	0.14	SCI	HTS-.12	ODSCC HTS CIRC	Sleeved
4	9	9	0.07	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
4	9	14	0.27	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
4	9	28	0.21	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
4	9	35	0.18	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
4	9	44	0.09	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
4	9	69	0.1	SCI	HTS-.09	ODSCC HTS CIRC	Sleeved
4	10	47	0.18	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
4	11	23	0.13	SCI	HTS-.17	ODSCC HTS CIRC	Plugged
4	11	44	0.11	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
4	11	54	0.22	SCI	HTS-.09	ODSCC HTS CIRC	Plugged
4	11	67	0.16	SCI	HTS-.03	ODSCC HTS CIRC	Sleeved
4	11	68	0.19	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved

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4	11	69	0.14	SCI	HTS-.06	ODSCC HTS CIRC	Sleeved
4	12	14	0.25	SCI	HTS+.03	ODSCC HTS CIRC	Plugged
4	12	14	0.13	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
4	12	16	0.13	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
4	12	18	0.17	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
4	12	18	0.09	SCI	HTS+.00	ODSCC HTS CIRC	Plugged
4	12	18	0.11	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
4	12	20	0.15	SCI	HTS-.07	ODSCC HTS CIRC	Plugged
4	12	23	0.08	SCI	HTS-.12	ODSCC HTS CIRC	Plugged
4	12	23	0.08	SCI	HTS-.11	ODSCC HTS CIRC	Plugged
4	12	34	0.08	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
4	12	36	0.09	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
4	12	49	0.17	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
4	12	49	0.21	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
4	12	53	0.23	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
4	12	79	0.1	SCI	HTS-.11	ODSCC HTS CIRC	Sleeved
4	12	89	0.07	SCI	HTS-.10	ODSCC HTS CIRC	Sleeved
4	12	93	0.11	SCI	HTS-.10	ODSCC HTS CIRC	Sleeved
4	13	39	0.18	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
4	13	43	0.11	SCI	HTS+.00	ODSCC HTS CIRC	Plugged
4	13	46	0.17	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
4	13	47	0.21	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
4	13	48	0.21	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
4	13	49	0.15	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
4	13	51	0.16	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
4	13	54	0.09	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved
4	13	61	0.12	SCI	HTS-.11	ODSCC HTS CIRC	Plugged
4	13	63	0.14	SCI	HTS-.16	ODSCC HTS CIRC	Sleeved
4	13	64	0.17	SCI	HTS-.13	ODSCC HTS CIRC	Sleeved
4	13	65	0.1	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
4	13	65	0.08	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
4	13	75	0.17	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved
4	13	77	0.1	SCI	HTS-.04	ODSCC HTS CIRC	Sleeved
4	13	81	0.13	SCI	HTS-.13	ODSCC HTS CIRC	Sleeved
4	14	17	0.12	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
4	14	23	0.09	SCI	HTS-.18	ODSCC HTS CIRC	Plugged
4	14	23	0.11	SCI	HTS-.20	ODSCC HTS CIRC	Plugged
4	14	32	0.12	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
4	14	32	0.14	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
4	14	42	0.26	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
4	14	47	0.13	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
4	14	48	0.14	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
4	14	48	0.1	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
4	14	49	0.23	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
4	14	55	0.11	SCI	HTS-.10	ODSCC HTS CIRC	Sleeved

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WATTS BAR NUCLEAR PLANT (WBN)
UNIT 1 CYCLE 6 REFUELING OUTAGE
STEAM GENERATOR INSERVICE INSPECTION
OUTSIDE DIAMETER STRESS CORROSION CRACKING (ODSCC)
TOP OF TUBE SHEET - CIRCUMFERENTIAL

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4	14	57	0.26	SCI	HTS-.03	ODSCC HTS CIRC	Sleeved
4	14	63	0.14	SCI	HTS-.06	ODSCC HTS CIRC	Sleeved
4	14	66	0.17	SCI	HTS-.10	ODSCC HTS CIRC	Sleeved
4	14	79	0.12	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
4	14	83	0.1	SCI	HTS-.12	ODSCC HTS CIRC	Sleeved
4	15	80	0.08	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved
4	16	30	0.29	SCI	HTS-.17	ODSCC HTS CIRC	Plugged
4	16	34	0.23	SCI	HTS-.11	ODSCC HTS CIRC	Plugged
4	16	58	0.13	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
4	16	68	0.18	SCI	HTS-.09	ODSCC HTS CIRC	Sleeved
4	17	14	0.14	SCI	HTS-.14	ODSCC HTS CIRC	Plugged
4	17	14	0.15	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
4	17	28	0.21	SCI	HTS-.12	ODSCC HTS CIRC	Plugged
4	17	54	0.18	SCI	HTS-.07	ODSCC HTS CIRC	Plugged
4	17	63	0.1	SCI	HTS-.06	ODSCC HTS CIRC	Sleeved
4	17	77	0.18	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
4	18	8	0.18	SCI	HTS-.12	ODSCC HTS CIRC	Plugged
4	18	30	0.15	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
4	18	34	0.16	SCI	HTS-.05	ODSCC HTS CIRC	Plugged
4	19	27	0.14	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
4	19	30	0.13	SCI	HTS-.14	ODSCC HTS CIRC	Plugged
4	19	33	0.47	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
4	19	94	0.11	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
4	20	29	0.41	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
4	20	30	0.12	SCI	HTS-.13	ODSCC HTS CIRC	Plugged
4	20	33	0.23	SCI	HTS-.02	ODSCC HTS CIRC	Sleeved
4	20	52	0.15	SCI	HTS-.09	ODSCC HTS CIRC	Sleeved
4	20	81	0.12	SCI	HTS-.11	ODSCC HTS CIRC	Sleeved
4	21	9	0.12	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
4	21	24	0.18	SCI	HTS-.11	ODSCC HTS CIRC	Plugged
4	21	26	0.18	SCI	HTS-.16	ODSCC HTS CIRC	Plugged
4	21	32	0.1	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
4	21	52	0.16	SCI	HTS-.10	ODSCC HTS CIRC	Sleeved
4	22	22	0.23	SCI	HTS-.19	ODSCC HTS CIRC	Plugged
4	22	32	0.15	SCI	HTS-.11	ODSCC HTS CIRC	Sleeved
4	22	57	0.12	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
4	22	63	0.16	SCI	HTS-.04	ODSCC HTS CIRC	Sleeved
4	22	73	0.14	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
4	22	94	0.08	SCI	HTS-.14	ODSCC HTS CIRC	Sleeved
4	22	98	0.08	SCI	HTS-.10	ODSCC HTS CIRC	Sleeved
4	23	32	0.12	SCI	HTS-.14	ODSCC HTS CIRC	Sleeved
4	23	40	0.15	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved
4	23	41	0.13	SCI	HTS-.01	ODSCC HTS CIRC	Sleeved
4	23	74	0.06	SCI	HTS-.10	ODSCC HTS CIRC	Sleeved
4	23	87	0.11	SCI	HTS-.10	ODSCC HTS CIRC	Sleeved

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TOP OF TUBE SHEET - CIRCUMFERENTIAL

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4	24	65	0.22	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
4	24	66	0.14	SCI	HTS-.13	ODSCC HTS CIRC	Sleeved
4	24	67	0.18	SCI	HTS-.09	ODSCC HTS CIRC	Sleeved
4	25	21	0.14	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
4	25	25	0.13	SCI	HTS-.02	ODSCC HTS CIRC	Sleeved
4	25	40	0.08	SCI	HTS-.11	ODSCC HTS CIRC	Sleeved
4	25	48	0.18	SCI	HTS-.16	ODSCC HTS CIRC	Sleeved
4	25	49	0.22	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
4	26	26	0.08	SCI	HTS-.15	ODSCC HTS CIRC	Sleeved
4	26	35	0.22	SCI	HTS-.01	ODSCC HTS CIRC	Sleeved
4	26	64	0.15	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
4	27	22	0.11	SCI	HTS-.11	ODSCC HTS CIRC	Plugged
4	27	31	0.09	SCI	HTS-.02	ODSCC HTS CIRC	Sleeved
4	27	34	0.14	SCI	HTS-.18	ODSCC HTS CIRC	Sleeved
4	27	51	0.21	SCI	HTS+.00	ODSCC HTS CIRC	Sleeved
4	27	60	0.06	SCI	HTS-.04	ODSCC HTS CIRC	Sleeved
4	27	75	0.15	SCI	HTS-.09	ODSCC HTS CIRC	Sleeved
4	27	83	0.11	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved
4	28	20	0.16	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
4	28	53	0.22	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
4	28	63	0.13	SCI	HTS-.11	ODSCC HTS CIRC	Sleeved
4	29	31	0.21	SCI	HTS-.04	ODSCC HTS CIRC	Sleeved
4	29	59	0.08	SCI	HTS-.14	ODSCC HTS CIRC	Sleeved
4	29	69	0.09	SCI	HTS-.12	ODSCC HTS CIRC	Sleeved
4	29	90	0.13	SCI	HTS-.11	ODSCC HTS CIRC	Sleeved
4	30	16	0.11	SCI	HTS-.16	ODSCC HTS CIRC	Plugged
4	30	16	0.09	SCI	HTS-.11	ODSCC HTS CIRC	Plugged
4	30	58	0.1	SCI	HTS-.07	ODSCC HTS CIRC	Plugged
4	30	68	0.12	SCI	HTS-.10	ODSCC HTS CIRC	Sleeved
4	30	72	0.22	SCI	HTS-.14	ODSCC HTS CIRC	Sleeved
4	31	22	0.56	SCI	HTS-.07	ODSCC HTS CIRC	Plugged
4	31	23	0.12	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
4	31	24	0.21	SCI	HTS+.00	ODSCC HTS CIRC	Plugged
4	31	25	0.17	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
4	31	26	0.29	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
4	31	28	0.13	SCI	HTS+.03	ODSCC HTS CIRC	Plugged
4	31	28	0.19	SCI	HTS+.04	ODSCC HTS CIRC	Plugged
4	31	34	0.31	SCI	HTS+.03	ODSCC HTS CIRC	Plugged
4	31	62	0.11	SCI	HTS-.09	ODSCC HTS CIRC	Sleeved
4	31	64	0.12	SCI	HTS-.19	ODSCC HTS CIRC	Sleeved
4	31	66	0.15	SCI	HTS-.05	ODSCC HTS CIRC	Sleeved
4	31	69	0.13	SCI	HTS-.09	ODSCC HTS CIRC	Sleeved
4	31	73	0.19	SCI	HTS-.06	ODSCC HTS CIRC	Sleeved
4	31	74	0.09	SCI	HTS-.09	ODSCC HTS CIRC	Sleeved
4	31	76	0.12	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved

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4	31	85	0.14	SCI	HTS-.10	ODSCC HTS CIRC	Sleeved
4	31	87	0.15	SCI	HTS-.11	ODSCC HTS CIRC	Sleeved
4	32	23	0.3	SCI	HTS+.01	ODSCC HTS CIRC	Plugged
4	32	24	0.35	SCI	HTS+.00	ODSCC HTS CIRC	Plugged
4	32	27	0.29	SCI	HTS-.11	ODSCC HTS CIRC	Plugged
4	32	28	0.12	SCI	HTS+.00	ODSCC HTS CIRC	Plugged
4	32	41	0.09	SCI	HTS+.04	ODSCC HTS CIRC	Sleeved
4	32	44	0.12	SCI	HTS-.01	ODSCC HTS CIRC	Sleeved
4	32	51	0.09	SCI	HTS-.12	ODSCC HTS CIRC	Sleeved
4	33	20	0.4	SCI	HTS+.04	ODSCC HTS CIRC	Plugged
4	33	21	0.15	SCI	HTS+.00	ODSCC HTS CIRC	Plugged
4	33	23	0.11	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
4	33	24	0.18	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
4	33	28	0.2	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
4	33	29	0.14	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
4	33	30	0.11	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
4	33	33	0.27	SCI	HTS+.02	ODSCC HTS CIRC	Plugged
4	33	43	0.21	SCI	HTS-.07	ODSCC HTS CIRC	Plugged
4	33	46	0.07	SCI	HTS-.11	ODSCC HTS CIRC	Sleeved
4	33	54	0.1	SCI	HTS-.14	ODSCC HTS CIRC	Sleeved
4	33	59	0.06	SCI	HTS-.11	ODSCC HTS CIRC	Sleeved
4	33	64	0.09	SCI	HTS-.13	ODSCC HTS CIRC	Sleeved
4	33	67	0.09	SCI	HTS-.05	ODSCC HTS CIRC	Sleeved
4	33	68	0.14	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
4	33	71	0.13	SCI	HTS-.09	ODSCC HTS CIRC	Sleeved
4	33	83	0.14	SCI	HTS+.02	ODSCC HTS CIRC	Sleeved
4	34	23	0.26	SCI	HTS-.08	ODSCC HTS CIRC	Plugged
4	34	24	0.2	SCI	HTS+.00	ODSCC HTS CIRC	Plugged
4	34	25	0.17	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
4	34	31	0.14	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
4	34	35	0.09	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
4	34	48	0.07	SCI	HTS-.02	ODSCC HTS CIRC	Sleeved
4	34	56	0.09	SCI	HTS-.12	ODSCC HTS CIRC	Sleeved
4	34	60	0.18	SCI	HTS-.04	ODSCC HTS CIRC	Sleeved
4	34	78	0.13	SCI	HTS-.10	ODSCC HTS CIRC	Sleeved
4	34	82	0.17	SCI	HTS-.09	ODSCC HTS CIRC	Sleeved
4	34	83	0.18	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved
4	34	85	0.18	SCI	HTS-.13	ODSCC HTS CIRC	Sleeved
4	34	88	0.13	SCI	HTS-.12	ODSCC HTS CIRC	Sleeved
4	35	24	0.24	SCI	HTS+.02	ODSCC HTS CIRC	Plugged
4	35	26	0.22	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
4	35	30	0.3	SCI	HTS+.00	ODSCC HTS CIRC	Plugged
4	35	33	0.29	SCI	HTS+.03	ODSCC HTS CIRC	Plugged
4	35	37	0.11	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
4	35	53	0.09	SCI	HTS-.17	ODSCC HTS CIRC	Sleeved

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4	35	85	0.11	SCI	HTS-.13	ODSCC HTS CIRC	Sleeved
4	36	25	0.21	SCI	HTS-.10	ODSCC HTS CIRC	Plugged
4	36	30	0.13	SCI	HTS+.00	ODSCC HTS CIRC	Plugged
4	36	38	0.25	SCI	HTS+.00	ODSCC HTS CIRC	Plugged
4	36	54	0.17	SCI	HTS-.16	ODSCC HTS CIRC	Sleeved
4	36	57	0.18	SCI	HTS-.04	ODSCC HTS CIRC	Sleeved
4	36	62	0.23	SCI	HTS-.13	ODSCC HTS CIRC	Sleeved
4	36	66	0.24	SCI	HTS-.14	ODSCC HTS CIRC	Plugged
4	36	74	0.08	SCI	HTS-.12	ODSCC HTS CIRC	Plugged
4	37	22	0.5	SCI	HTS+.02	ODSCC HTS CIRC	Plugged
4	37	35	0.22	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
4	37	50	0.06	SCI	HTS-.18	ODSCC HTS CIRC	Sleeved
4	38	37	0.19	SCI	HTS+.01	ODSCC HTS CIRC	Plugged
4	38	48	0.1	SCI	HTS-.05	ODSCC HTS CIRC	Sleeved
4	38	54	0.08	SCI	HTS-.14	ODSCC HTS CIRC	Sleeved
4	38	58	0.07	SCI	HTS-.20	ODSCC HTS CIRC	Sleeved
4	38	66	0.16	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
4	38	71	0.13	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
4	38	83	0.06	SCI	HTS-.14	ODSCC HTS CIRC	Plugged
4	38	84	0.21	SCI	HTS-.07	ODSCC HTS CIRC	Plugged
4	38	86	0.25	SCI	HTS-.09	ODSCC HTS CIRC	Plugged
4	38	87	0.2	SCI	HTS-.17	ODSCC HTS CIRC	Plugged
4	39	31	0.18	SCI	HTS+.00	ODSCC HTS CIRC	Plugged
4	39	33	0.18	SCI	HTS+.00	ODSCC HTS CIRC	Plugged
4	39	47	0.08	SCI	HTS-.07	ODSCC HTS CIRC	Sleeved
4	40	29	0.15	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
4	40	30	0.22	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
4	40	32	0.2	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
4	40	33	0.19	SCI	HTS-.06	ODSCC HTS CIRC	Plugged
4	40	48	0.09	SCI	HTS-.09	ODSCC HTS CIRC	Sleeved
4	40	76	0.12	SCI	HTS-.15	ODSCC HTS CIRC	Sleeved
4	40	77	0.12	SCI	HTS-.12	ODSCC HTS CIRC	Sleeved
4	40	78	0.08	SCI	HTS-.15	ODSCC HTS CIRC	Sleeved
4	40	80	0.09	SCI	HTS-.10	ODSCC HTS CIRC	Sleeved
4	41	34	0.08	SCI	HTS-.04	ODSCC HTS CIRC	Plugged
4	41	37	0.14	SCI	HTS-.01	ODSCC HTS CIRC	Plugged
4	42	54	0.05	SCI	HTS-.13	ODSCC HTS CIRC	Sleeved
4	42	60	0.09	SCI	HTS-.14	ODSCC HTS CIRC	Sleeved
4	43	39	0.34	SCI	HTS+.02	ODSCC HTS CIRC	Plugged
4	43	47	0.12	SCI	HTS-.14	ODSCC HTS CIRC	Sleeved
4	43	51	0.12	SCI	HTS-.09	ODSCC HTS CIRC	Sleeved
4	43	52	0.07	SCI	HTS-.13	ODSCC HTS CIRC	Sleeved
4	43	55	0.29	SCI	HTS-.08	ODSCC HTS CIRC	Sleeved
4	43	64	0.12	SCI	HTS-.13	ODSCC HTS CIRC	Sleeved
4	44	38	0.18	SCI	HTS-.01	ODSCC HTS CIRC	Plugged

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4	44	38	0.21	SCI	HTS+.00	ODSCC HTS CIRC	Plugged
4	44	80	0.1	SCI	HTS-.12	ODSCC HTS CIRC	Sleeved
4	45	39	0.1	SCI	HTS-.02	ODSCC HTS CIRC	Plugged
4	45	39	0.1	SCI	HTS-.03	ODSCC HTS CIRC	Plugged
4	45	58	0.25	SCI	HTS-.14	ODSCC HTS CIRC	Sleeved
4	45	64	0.07	SCI	HTS-.15	ODSCC HTS CIRC	Sleeved
4	45	76	0.13	SCI	HTS-.10	ODSCC HTS CIRC	Sleeved
4	48	55	0.11	SCI	HTS-.09	ODSCC HTS CIRC	Sleeved
4	49	35	0.14	SCI	HTS-.01	ODSCC HTS CIRC	Plugged