

PRAIRIE ISLAND NUCLEAR GENERATING PLANT, UNIT 2
1717 WAKONADE DR
WELCH, MN 55089

REFUELING OUTAGE NUMBER 15
OUTAGE DATES 2-20-92 TO 3-15-92
COMMERCIAL SERVICE DATE DECEMBER 20, 1974
INSERVICE INSPECTION INTERVAL 2, PERIOD 3

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ISI NDE Prepared By: Bridgeman

ISI NDE Reviewed By: Markings

REPORT DATE: 6-10-92

ECT Prepared By: [Signature]

ECT Reviewed By: Richard A Deane

Approved By: [Signature]

9206160354 920612
PDR ADOCK 05000282
G PDR

I. Summary

The 15th Prairie Island Unit 2 outage began February 20, 1992 and ended March 15, 1992.

Visual and nondestructive examinations were performed by Northern States Power (NSP), Lambert Macgill and Thomas, Conam, and Zetec personnel. Copies of examination reports, examination procedures, personnel certifications and equipment records are available at NSP.

Results of the examination indicates that the integrity of the plant systems has been maintained.

All of the tubes (except those previously plugged) in the #21 and #22 steam generators (SG) were examined by eddy current. Thirteen tubes were plugged in #21 SG. Eleven tubes were plugged in #22 SG.

Hanger and component support examinations listed in appendices A,B & C as F-X.XX include the applicable F1.10 thru F1.40, F2.10 thru F2.40 and F3.10 thru F3.50 items.

II. Form NIS-1 Information

FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS
(As required by the Frovision of the ASME Code Rules)

1. Owner: Northern States Power Company
Address: 414 Nicollet Mall, Minneapolis, MN 55401
2. Plant: Prairie Island Nuclear Generating Plant
Address: Welch, MN 55809
3. Plant Unit : II 4. Owner (Certificate of Authorization): NA
5. Commercial Service Date: 12-20-74 6. National Board NO. for unit NA
7. Components: (See appendices for components inspected this outage)

<u>Component or Appurtenance</u>	<u>Manufacturer or Installer</u>	<u>Manufacturer or Installer Serial No.</u>	<u>State or Province No.</u>	<u>National Board No.</u>
REACTOR VESSEL	CREUSOT-LOIRE	~87	MINN 200-51	---
PRESSURIZER	WESTINGHOUSE	1191	---	68-57
STEAM GEN NUMBER 21	WESTINGHOUSE	1181	---	68-39
STEAM GEN NUMBER 22	WESTINGHOUSE	1182	---	68-40
REACTOR COOLANT PUMP 21	WESTINGHOUSE	W510	---	---
REACTOR COOLANT PUMP 22	WESTINGHOUSE	W515	---	---
RHR HEAT EXCHANGER 21	JOSEPH OATS & SONS	1817-1C	---	342
RHR HEAT EXCHANGER 22	JOSEPH OATS & SONS	1817-1D	---	343
RHR PUMP 21	BYRON JACKSON	---	---	---
RHR PUMP 22	BYRON JACKSON	---	---	---
SAFETY INJECTION PUMP NUMBER 21	BINGHAM	---	---	---

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1. Owner: Northern States Power Company
Address: 414 Nicollet Mall, Minneapolis, MN 55401
2. Plant: PRAIRIE ISLAND NUCLEAR GENERATING PLANT
Address: WELCH, MN
3. Plant Unit: II
4. Owner (Certificate of Authorization): --
5. Commercial Service Date: 12-20-74
6. National Board No. for Unit: --
7. Components (See appendices for components inspected this outage)

<u>Component or Appurtenance</u>	<u>Manufacturer or installer</u>	<u>Manufacturer or Installer Serial No.</u>	<u>State or Province No.</u>	<u>National Board No.</u>
SAFETY INJECTION PUMP NUMBER 21	BINGHAM	---	---	---
SAFETY INJECTION PUMP NUMBER 22	BINGHAM	---	---	---
ACCUMUATOR TANK 21	DELTA SOUTHERN	41037-69-1	---	2575
ACCUMULATOR TANK 22	DELTA SOUTHERN	41037-69-2	---	2576
BORIC ACID TANK 21	NAVCO	---	---	---

8. Examination Dates 2-20-92 to 3-15-92.
9. Inspection Interval from 12-21-84 to 12-20-94.
10. Abstract of Examinations. Include a list of examinations and statement concerning status of work required for current interval.

See appendices A B C D E (Attached)

11. Abstract of Conditions Notes.

See appendices A B C D E (Attached)

12. Abstract of Corrective Measures Recommended and Taken

See appendices A B C D E (Attached)

We certify that the statements in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

Date: JUNE 10 1992 Signed NORTHERN STATES ^{POWER} BY [Signature]
(Owner)

Certificate of Authorization No. (if applicable) N/A

Expiration Date N/A

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Minnesota and employed by Hartford Steam Boiler of Hartford, Connecticut, have inspected the component's described in this Owner's Data report during the period of 2-20-92 to 3-15-92, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Data Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examination and corrective measures described in this Owner's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date: June 10 1992

James D. Miller
Inspector's Signature

Commissions NB 10274, MN 92-174
National Board, State, Province and No.

iii. Repair/Replacement Summary listed below is a summary of ASME Section XI Repair/Replacement information the "WRA/Control No." is a reference to the plant document which controlled the repair/replacement. The plant document provides more information regarding the repair/replacement.

WRA/CONTROL NO	SYSTEM	DESCRIPTION OF WORK
S0363	AF	Replace Trap #30 B/P 2TD-15-4 3/Y" Valve
S0084	AF	Replace Drain Valve AF-18-7 1" Valve
R3903	CC	Test Spare C1-57 11 CC Relief
P4046	CC	Repair 21 CC HX Divider Plates
P8363	CL	121 CL Pump - Weld on Lifting Lugs
P3596	CL	Fab & Hydro Spoolpiece for 21 CC HX
R3381	CL	Fab & Spoolpiece for 21/23 FCU CL WTR
R7559	CS	Remove 3/4" miniflow Recirc on 21/22 CS Pumps
R8295	RC	Replace Pressurizer Safety Valves
P7620	RH	Weld Repair 8-2RC-15B Lp B RHR Suct
R3446	SI	Test Spare Relief for SI-26-1
S0198	SI	Test Spare Relief for 2SI-26-1
S0414	SI	Install Replacement Relief for 21 SO P Suct
S0413	SI	Test Relief Valve for 21 SI P Suct
S1329	VC	Replace 2VC-14-1 21 RCP Seal Inj
R0823	CL	Repair Weld Spare Vort. CL Pump
R7629	D2	Prefab Spoolpiece for D2 Cooling Water
R7641	D2	Replace CI Spoolpiece on D2 Diesel
S1893	D2	Weld Repair Channe. heads for Interpass Coolers

WRA/CONTROL NO	SYSTEM	DESCRIPTION OF WORK
S0572	ZH	Cut out & Reweld 4" CL Sply to 122 CR Chiller
S0349	ZH	Reweld 4" Cooling Sply to 121 CR Chiller
S0025	RV	Modify Piping for Reactor Vent Head
Mod 91L300	RV Non-code part of Mod	Modify Reactor Head Piping
R6773	FW	Replace 2FW-20-1
R3516	ZC	Install new vent on 13 FCU
R3628	VC	Replace CV 3/328 Region Hx Outlet

APPENDIX A - LIST OF INSPECTIONS BY ISO

Pages 1 to 8 follow

Prairie Island Nuclear Generating Plant, Unit 2
1717 Wakonade Drive
Welch, MN 55089

Commercial Service Date: December 20, 1974

Northern States Power Company
414 Nicollet Mall
Minneapolis, MN 55041

Inservice Inspection Report Log
By ISO

ISO	Item	System	ASME Item	Method / Results Report Number	Remarks
2-151-5	PRSH-240/D	SI HIGH HEAD A	F-A,B,C	VT-3 / NAD 92-082	
2-151-5	PRSH-243/A	SI HIGH HEAD A	F-A,B,C	VT-3 / NAD 92-210	
2-151-5	W-7	SI HIGH HEAD A	B9. 40	PT / NAD 92-044	
2-151-10C	9-2RHR-2A/V	RHR TAKE OFF HOT A	F-A,B,C	VT-3 / NAD 92-070	
2-151-13B	PRCVCH-1394/P	CHARGING LINE B	F-A,B,C	VT-3 / NAD 92-083	
2-151-13B	PRCVCH-1396/L	CHARGING LINE B	F-A,B,C	VT-3 / NAD 92-084	
2-151-13P	PRCVCH-1397/J	CHARGING LINE B	F-A,B,C	VT-3 / NAD 92-085	
2-151-13B	W-24	CHARGING LINE B	B9. 21	PT / NAD 92-094	
2-151-13B	W-25	CHARGING LINE B	B9. 21	PT / NAD 92-095	
2-151-13B	W-26	CHARGING LINE B	B9. 21	PT / NAD 92-096	
2-151-13C	PRCVCH-1389/V	CHARGING LINE B	F-A,B,C	VT-3 / NAD 92-051	
2-151-16	2-RC-1-3	LETDOWN LINE B	B7. 70	VT-1 / NAD 92-057	
2-151-16	PRRCH-290/A2	LETDOWN LINE B	F-A,B,C	VT-3 / NAD 92-086	
2-151-16	PRRCH-291/A1	LETDOWN LINE B	F-A,B,C	VT-3 / NAD 92-087	
2-151-16	W-13	LETDOWN LINE B	B9. 21	PT / NAD 92-073	
2-151-16	W-17	LETDOWN LINE B	B9. 40	PT / NAD 92-079	
2-151-16	W-9	LETDOWN LINE B	B9. 21	PT / NAD 92-071R	
2-151-20A	9-2RHR-16/I	RHR TAKE OFF HOT B	F-A,B,C	VT-3 / NAD 92-068	
2-151-20A	9-2RHR-16/J	RHR TAKE OFF HOT B	F-A,B,C	VT-3 / NAD 92-067	
2-151-20A	9-2RHR-17/G	RHR TAKE OFF HOT B	F-A,B,C	VT-3 / NAD 92-069	
2-151-20A	9-2RHR-18/F	RHR TAKE OFF HOT B	F-A,B,C	VT-3 / NAD 92-066	
2-151-20A	W-7	RHR TAKE OFF HOT B	B9. 11	PT / NAD 92-211	

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ISO	Item	System	ASME Item	Method / Resu- Report Number	Remarks
2-1S1-20A	W-7	RHR TAKE OFF HOT B	B9. 11	UT45 / NAD 92-212	
2-1S1-20C	9-2RHR-10/P1	RHR TAKE OFF HOT B	F-A,B,C	VT-3 / NAD 92-088	
2-1S1-20C	9-2RHR-11/P	RHR TAKE OFF HOT B	F-A,B,C	VT-3 / NAD 92-089	
2-1S1-20C	RHRRH-11/Q	RHR TAKE OFF HOT B	F-A,B,	VT-3 / NAD 92-195	
2-1S1-24	114-2CVCS-2/C	AUX SPRAY TO PZR	F-A,B,C	VT-3 / NAD 92-091	
2-1S1-24	B143 TO 2VC-B-3	AUX SPRAY TO PZR	B 9. 21	PT / NAD 92-072A	
2-1S1-24	PRCVCH-150B/E	AUX SPRAY TO PZR	F-A,B,C	VT-3 / NAD 92-090	
2-1S1-24	W-10	AUX SPRAY TO PZR	B9. 21	PT / NAD 92-074	
2-1S1-24	W-11	AUX SPRAY TO PZR	B9. 21	PT / NAD 92-076	
2-1S1-24	W-12	AUX SPRAY TO PZR	B9. 21	PT / NAD 92-077	
2-1S1-24	W-13	AUX SPRAY TO PZR	B9. 21	PT / NAD 92-075	
2-1S1-24	W-9	AUX SPRAY TO PZR	B9. 21	PT / NAD 92-073	
2-1S1-27	112-2RC-4/A	PRESSURIZER RELIEF A	F-A,B,C	VT-3 / NAD 92-040	
2-1S1-27	2-8000A	PRESSURIZER RELIEF A	B 7. 70	VT-1 / NAD 92-035	
2-1S1-27	2-8000B	PRESSURIZER RELIEF B	B 7. 70	VT-1 / NAD 92-036	
2-1S1-27	W-10	PRESSURIZER RELIEF B	B 9. 21	PT / NAD 92-172	
2-1S1-27	W-5	PRESSURIZER RELIEF B	B 9. 21	PT / NAD 92-045	
2-1S1-28	2-8844B	RX SAFETY INJ'N B	B 7. 70	VT-1 / NAD 92-058	
2-1S1-28	48-2S1S-16/C	RX SAFETY INJ'N B	F-A,B,C	VT-3 / NAD 92-059	
2-1S1-28	W-3	RX SAFETY INJ'N B	B 9. 11	PT / NAD 92-099	
2-1S1-28	W-3	RX SAFETY INJ'N B	B 9. 11	UT45 / NAD 92-137	
2-1S1-28	W-4	RX SAFETY INJ'N B	B 9. 11	PT / NAD 92-100	

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ISO	Item	System	ASME Item	Method / Results Report Number	Remarks
2-1S1-28	W-4	RX SAFETY INJ'N B	B 9. 11	UT45 / NAD 92-136	
2-1S1-29	102-2S1S-1A/C	RX SAFETY INJ'N A	F-A,B,C	VT-3 / NAD 92-060	
2-1S1-29	RHRRH-34/C	RX SAFETY INJ'N A	F-A,B,C	VT-3 / NAD 92-053	
2-1S1-30	112-2RC-7/A2	PRESSURIZER SAFETY B	F-A,B,C	VT-3 / NAD 92-041	
2-1S1-34	W-3	REGEN HT EXCH C	B 2. 60	PT / NAD 92-101	
2-1S1-34	W-3	REGEN HT EXCH C	B 2. 60	UT45 / NAD 92-169	
2-1S1-36	W-4 0'-12'	PRESSURIZER	B 2. 11	UT 0 / NAD 92-141	
2-1S1-36	W-4 0'-12'	PRESSURIZER	B 2. 11	UT45 / NAD 92-142	
2-1S1-36	W-4 0'-12'	PRESSURIZER	B 2. 11	UT60 / NAD 92-143	
2-1S1-36	W-5 8'-16'	PRESSURIZER	B 2. 10	HT 0 / NAD 92-200	Limitations
2-1S1-36	W-5 8'-16'	PRESSURIZER	B 2. 10	UT45 / NAD 92-201	Limitations
2-1S1-36	W-5 8'-16'	PRESSURIZER	B 2. 10	UT60 / NAD 92-202	
2-1S1-37	INLET 1-16	STEAM GENERATOR 21	B 7. 30	VT-1 / NAD 92-152	Bolts Replaced
2-1S1-37	INLET 1-16	STEAM GENERATOR 22	B 7. 30	VT-1 / NAD 92-154	Bolts Replaced
2-1S1-37	OUTLET 1-16	STEAM GENERATOR 21	B 7. 30	VT-1 / NAD 92-153	Bolts Replaced
2-1S1-37	OUTLET 1-16	STEAM GENERATOR 22	B 7. 30	VT-1 / NAD 92-155	Bolts Replaced
2-1S1-39	NUTS 33-48	REACTOR VESSEL	B 6. 10	MT / NAD 92-190	
2-1S1-39	NUTS 33-48	REACTOR VESSEL	B6. 10	VT-1 / NAD 92-178	Rework Satisfactory and accepted.
2-1S1-39	STUDS 33-48	REACTOR VESSEL	B 6. 30	MT / IND 92-191	Small Linear Indication. Accepted.
2-1S1-39	STUDS 33-48	REACTOR VESSEL	B 6. 30	UT 0 / NAD 92-181	
2-1S1-39	STUDS 33-48	REACTOR VESSEL	B6. 30	VT-1 / NAD 92-179	
2-1S1-39	WASHERS 33-48	REACTOR VESSEL	B 6. 50	VT-1 / IND 92-180	Small gouge on flat. Accepted.

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 By ISO

ISO	Item	System	ASME Item	Method / Results Report Number	Remarks
2-1S1-43	SEAL BLTS 1-12	RCC PUMP 22	B 7. 60	VT-1 / NAD 92-156R	2 Bolts Replaced.
2-1S1-46A	MS-12	MAIN STEAM A	C 5. 21	MT / NAD 92-114	Limited Access.
2-1S1-46A	MS-12	MAIN STEAM A	C 5. 21	UT45 / NAD 92-123	Needs Long Seam Examined
2-1S1-46A	MS-162	MAIN STEAM A	C 5. 21	MT / NAD 92-121	
2-1S1-46A	MS-162	MAIN STEAM A	C 5. 21	UT45 / NAD 92-124	
2-1S1-46A	MSH-39/F	MAIN STEAM A	F-A,B,C	VT-3 / NAD 92-115	
2-1S1-46A	MSH-47/B1	MAIN STEAM A	F-A,B,C	VT-3 / NAD 92-046	
2-1S1-46A	MSH-51/B	MAIN STEAM A	F-A,B,C	VT-3 / NAD 92-042	
2-1S1-46A	MSH-54/G	MAIN STEAM A	F-A,B,C	VT-3 / NAD 92-043R	Thread Engagement. Re-work Satisfactory.
2-1S1-46B	MS-185A	MAIN STEAM A	C 5. 31	MT / NAD 92-135	
2-1S1-46B	MS-185A	MAIN STEAM A	C 5. 31	UT45 / NAD 92-174	
2-1S1-46B	MS-21	MAIN STEAM A	C 5. 21	MT / NAD 92-133	
2-1S1-46B	MS-21	MAIN STEAM A	C 5. 21	UT45 / NAD 92-175	Needs Long Seam Examined. Limited Access.
2-1S1-46B	MS-23	MAIN STEAM A	C 5. 21	MT / NAD 92-132	
2-1S1-46B	MS-23	MAIN STEAM A	C 5. 21	UT45 / NAD 92-173	Needs Long Seam Examined
2-1S1-46B	MS-36	MAIN STEAM A	C 5. 11	MT / NAD 92-134	
2-1S1-46B	MS-36	MAIN STEAM A	C 5. 11	UT45 / NAD 92-151	
2-1S1-47B	MS-182A	MAIN STEAM B	C 5. 31	MT / NAD 92-140	
2-1S1-47B	MS-182A	MAIN STEAM B	C 5. 31	UT45 / NAD 92-183	
2-1S1-47B	MSH-23/F	MAIN STEAM B	F-A,B,C	VT-3 / NAD 92-128R	Loose Nut. Rework Satisfactory
2-1S1-47C	MS-126	MAIN STEAM B	C 5. 21	MT / NAD 92-144	
2-1S1-47C	MS-126	MAIN STEAM B	C 5. 21	UT45 / NAD 92-182	Needs Long Seam Examined.

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2-ISI-47C	MS-134	MAIN STEAM B	C 5. 21	MT / NAD 92-193	
2-ISI-47C	MS-134	MAIN STEAM G	C 5. 21	UT45 / GEO 92-199	
2-ISI-47C	MS-138	MAIN STEAM B	C 5. 21	MT / NAD 92-189	
2-ISI-47C	MS-138	MAIN STEAM G	C 5. 21	UT45 / GEO 92-196	Limited Access.
2-ISI-47C	MSH-18/T	MAIN STEAM B	F-A,B,C	VT-3 / NAD 92-130	
2-ISI-48A	2-FW-2A/B	FEEDWATER A	F-A,B,C	VT-3 / NAD 92-116	
2-ISI-48A	2-FW-6A/J	FEEDWATER A	F-A,B,C	VT-3 / NAD 92-119	
2-ISI-48A	FW-173	FEEDWATER A	C 5. 21	MT / NAD 92-049	
2-ISI-48A	FW-173	FEEDWATER A	C 5. 21	UT45 / GEO 92-107	
2-ISI-48A	FW-175	FEEDWATER A	C 5. 21	MT / NAD 92-039	
2-ISI-48A	FW-175	FEEDWATER A	C 5. 21	UT45 / NAD 92-098	Scans 1,2. See 92-097 for Scans 3,4. (Cal GRA-002).
2-ISI-48A	FW-175	FEEDWATER A	C 5. 21	UT45 / NAD 92-097	Scans 3,4. See 92-098 for Scans 1,2. (Cal GRA-003).
2-ISI-48A	FW-177 (THICK)	FEEDWATER A	C 5. 21	MT / NAD 92-038	
2-ISI-48A	FW-177 (THICK)	FEEDWATER A	C 5. 21	UT45 / GEO 92-106	
2-ISI-48A	FW-177 (THIN)	FEEDWATER A	C 5. 21	UT45 / GEO 92-109	
2-ISI-48A	FWH-60/J	FEEDWATER A	F-A,B,C	VT-3 / NAD 92-118	
2-ISI-48A	FWH-61/C	FEEDWATER A	F-A,B,C	VT-3 / NAD 92-117	
2-ISI-48A	FWH-74/S	FEEDWATER A	F-A,B,C	VT-3 / NAD 92-120R	No Vent Hole. Re-Work Satisfactory.
2-ISI-48B	FORCE REST #5/M	FEEDWATER A	F-A,B,C	VT-3 / NAD 92-131	
2-ISI-48B	FWH-57/M	FEEDWATER A	F-A,B,C	VT-3 / IND 92-129R	Teflon Pad. Re-Work Satisfactory.
2-ISI-49A	FW-133 (THICK)	FEEDWATER B	C 5. 21	MT / NAD 92-028	
2-ISI-49A	FW-133 (THICK)	FEEDWATER B	C 5. 21	UT45 / GEO 92-108	

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ISO	Item	System	ASME Item	Method / Results Report Number	Remarks
2-1SI-49A	FW-133 (THIN)	FEEDWATER B	C 5. 21	UT45 / NAD 92-110	
2-1SI-49B	FW-118	FEEDWATER B	C 5. 21	MT / NAD 92-188	
2-1SI-49B	FW-118	FEEDWATER B	C 5. 21	UT45 / GEO 92-194	Limited Access.
2-1SI-49C	FW-105	FEEDWATER B	C 5. 21	MT / NAD 92-145	
2-1SI-49C	FW-105	FEEDWATER B	C 5. 21	UT45 / NAD 92-223	Limited Access.
2-1SI-50	W-121	RHR PUMP SUCTION B	C 5. 11	PT / NAD 92-017	
2-1SI-50	W-135	RHR PUMP SUCTION B	C 5. 11	PT / NAD 92-208	
2-1SI-50	W-140	RHR PUMP SUCTION B	C 5. 11	PT / NAD 92-209	
2-1SI-50	W-148	RHR PUMP SUCTION B	C 5. 11	PT / NAD 92-207	
2-1SI-50	W-254	RHR PUMP SUCTION B	C 5. 11	PT / NAD 92-102	
2-1SI-50	W-259	RHR PUMP SUCTION B	C 5. 11	PT / NAD 92-103	
2-1SI-50	W-262	RHR PUMP SUCTION B	C 5. 11	PT / NAD 92-104	
2-1SI-51	BASE/Q	RHR PUMP SUCTION B	F-A,B,C	VT-3 / NAD 92-023	
2-1SI-51	RHRH-15/K	RHR PUMP SUCTION B	F-A,B,C	VT-3 / NAD 92-009	
2-1SI-51	RHRH-44/M	RHR PUMP SUCTION B	F-A,B,C	VT-3 / NAD 92-007	
2-1SI-51	RHRH-59/E	RHR PUMP SUCTION B	F-A,B,C	VT-3 / NAD 92-012	
2-1SI-51	RHRH-63/D	RHR PUMP SUCTION B	F-A,B,C	VT-3 / NAD 92-011	
2-1SI-51	RHRH-65/D1	RHR PUMP SUCTION B	F-A,B,C	VT-3 / NAD 92-013	
2-1SI-53	RHRH-14/B	RHR PUMP SUCTION A	F-A,B,C	VT-3 / NAD 92-006	
2-1SI-53	RHRH-23/A	RHR PUMP SUCTION A	F-A,B,C	VT-3 / NAD 92-005	
2-1SI-55	RHRH-36/M	RHR PUMP DISCH B	F-A,B,C	VT-3 / NAD 92-010	
2-1SI-56	W-330	RHR PUMP DISCH A	C 5. 11	PT / NAD 92-047	

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 By ISO

ISO	Item	System	ASME Item	Method / Results Report Number	Remarks
2-151-57	102-2S1S-2/M	RHR PUMP DISCH A	F-A,B,C	VT-3 / NAD 92-052	
2-151-57	RHRH-17/I	RHR PUMP DISCH A	F-A,B,C	VT-3 / NAD 92-016	
2-151-57	RHRH-30/D	RHR PUMP DISCH A	F-A,B,C	VT-3 / NAD 92-004	
2-151-57	RHRH-58/K	RHR PUMP DISCH A	F-A,B,C	VT-3 / NAD 92-015	
2-151-57	RHRH-61/B	RHR PUMP DISCH A	F-A,B,C	VT-3 / NAD 92-003	
2-151-60	SUPPORT E	SI PUMP 21	F-A,B,C	VT-3 / NAD 92-138	
2-151-60	SUPPORT F	SI PUMP 22	F-A,B,C	VT-3 / NAD 92-139	
2-151-60	W-128	SI PUMP A SUCTION	C 5. 11	PT / NAD 92-241	
2-151-66	W-47	RWST DISCHARGE	C 5. 11	PT / NAD 92-177	
2-151-66	W-70W	RWST DISCHARGE	C 5. 11	PT / NAD 92-025	
2-151-67	SIH-14/D	RWST DISCHARGE	F-A,B,C	VT-3 / NAD 92-113	
2-151-67	SIH-15/C	RWST DISCHARGE	F-A,B,C	VT-3 / NAD 92-112	
2-151-68	W-2	BORIC ACID TANK 121	C 1. 20	UT45 / NAD 92-027	
2-151-69	SUPPORT B	RHR HEAT EXCH 21	F-A,B,C	VT-3 / NAD 92-002	
2-151-69	SUPPORT B	RHR HEAT EXCH 22	F-A,B,C	VT-3 / NAD 92-008	
2-151-75	W-317	ACCUMULATOR DISCH B	C 5. 21	PT / NAD 92-105	
2-151-75	W-317	ACCUMULATOR DISCH B	C 5. 21	UT45 / NAD 92-122	
2-151-76	W-7	ACCUMULATOR TANK 22	C 2. 21	PT / NAD 92-237	
2-151-76	W-7	ACCUMULATOR TANK 22	C 2. 21	UT 0 / NAD 92-238	Limited Access.
2-151-76	W-7	ACCUMULATOR TANK 22	C 2. 21	UT45 / NAD 92-239	Limited Access.
2-151-76	W-7	ACCUMULATOR TANK 22	C 2. 21	UT60 / NAD 92-240	Limited Access.
2-151-77	COL 1 ANCHOR	STEAM GENERATOR 21	F-A,B,C	VT-3 / NAD 92-227	

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By ISO

ISO	Item	System	ASME Item	Method / Results Report Number	Remarks
2-1SI-77	COL 1 ANCHOR	STEAM GENERATOR 22	F-A,B,C	VT-3 / NAD 92-229	
2-1SI-77	COL 2. PIN BOTT	STEAM GENERATOR 21	F-A,B,C	VT-3 / NAD 92-218	Pin ends only.
2-1SI-77	COL 3 PIN BOTT	STEAM GENERATOR 22	F-A,B,C	VT-3 / NAD 92-220	Pin ends only.
2-1SI-77	COL 4 PIN BOTT	STEAM GENERATOR 22	F-A,B,C	VT-3 / NAD 92-221	Pin ends only.
2-1SI-77	COL 4. PIN BOTT	STEAM GENERATOR 21	F-A,B,C	VT-3 / NAD 92-219	Pin ends only.
2-1SI-80	COL 4 PIN TOP	STEAM GENERATOR 22	F-A,B,C	VT-3 / NAD 92-228	
2-1SI-80	COL 4. PIN TOP	STEAM GENERATOR 21	F-A,B,C	VT-3 / NAD 92-226	

by iso 05/20/92

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APPENDIX B - LIST OF INSPECTIONS BY ASME ITEM

Pages 1 to 8 follow

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 By ASME Item

ASME Item	System	ISO	Item	Method / Results Report Number	Remarks
B 2. 10	PRESSURIZER	2-ISI-36	W-5 8'-16'	UT 0 / NAD 92-200	Limitations
B 2. 10	PRESSURIZER	2-ISI-36	W-5 8'-16'	UT45 / NAD 92-201	Limitations
B 2. 10	PRESSURIZER	2-ISI-36	W-5 8'-16'	UT60 / NAD 92-202	
B 2. 11	PRESSURIZER	2-ISI-36	W-4 0'-12'	UT 0 / NAD 92-141	
B 2. 11	PRESSURIZER	2-ISI-36	W-4 0'-12'	UT45 / NAD 92-142	
B 2. 11	PRESSURIZER	2-ISI-36	W-4 0'-12'	UT60 / NAD 92-143	
B 2. 60	REGEN HT EXCH C	2-ISI-34	W-3	PT / NAD 92-101	
B 2. 60	REGEN HT EXCH C	2-ISI-34	W-3	UT45 / NAD 92-169	
B 6. 10	REACTOR VESSEL	2-ISI-39	NUTS 33-48	MT / NAD 92-190	
B 6. 10	REACTOR VESSEL	2-ISI-39	NUTS 33-48	VT-1 / NAD 92-178	Rework Satisfactory and accepted.
B 6. 30	REACTOR VESSEL	2-ISI-39	STUDS 33-48	MT / IND 92-191	Small Linear Indication. Accepted.
B 6. 30	REACTOR VESSEL	2-ISI-39	STUDS 33-48	UT 0 / NAD 92-181	
B 6. 30	REACTOR VESSEL	2-ISI-39	STUDS 33-48	VT-1 / NAD 92-179	
B 6. 50	REACTOR VESSEL	2-ISI-39	WASHERS 33-48	VT-1 / IND 92-180	Small gouge on flat. Accepted.
B 7. 30	STEAM GENERATOR 21	2-ISI-37	INLET 1-16	VT-1 / NAD 92-152	Bolts Replaced
B 7. 30	STEAM GENERATOR 22	2-ISI-37	INLET 1-16	VT-1 / NAD 92-154	Bolts Replaced
B 7. 30	STEAM GENERATOR 21	2-ISI-37	OUTLET 1-16	VT-1 / NAD 92-153	Bolts Replaced
B 7. 30	STEAM GENERATOR 22	2-ISI-37	OUTLET 1-16	VT-1 / NAD 92-155	Bolts Replaced
B 7. 60	RCC PUMP 22	2-ISI-43	SEAL BLTS 1-12	VT-1 / NAD 92-156R	2 Bolts Replaced.
B 7. 70	LETDOWN LINE B	2-ISI-16	2-RC-1-3	VT-1 / NAD 92-057	
B 7. 70	PRESSURIZER RELIEF A	2-ISI-27	2-8000A	VT-1 / NAD 92-035	
B 7. 70	PRESSURIZER RELIEF B	2-ISI-27	2-8000B	VT-1 / NAD 92-036	

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ASME Item	System	ISO	Item	Method / Results Report Number	Remarks
B 7. 70	RX SAFETY INJ'N B	2-1S1-28	2-8844B	VT-1 / NAD 92-058	
B 9. 11	RHR TAKE OFF HOT B	2-1S1-20A	W-7	PT / NAD 92-211	
B 9. 11	RHR TAKE OFF HOT B	2-1S1-20A	W-7	UT45 / NAD 92-212	
B 9. 11	RX SAFETY INJ'N B	2-1S1-28	W-3	PT / NAD 92-099	
B 9. 11	RX SAFETY INJ'N B	2-1S1-28	W-3	UT45 / NAD 92-137	
B 9. 11	RX SAFETY INJ'N B	2-1S1-28	W-4	PT / NAD 92-100	
B 9. 11	RX SAFETY INJ'N B	2-1S1-28	W-4	UT45 / NAD 92-136	
B 9. 21	CHARGING LINE B	2-1S1-13B	W-24	PT / NAD 92-094	
B 9. 21	CHARGING LINE B	2-1S1-13B	W-25	PT / NAD 92-095	
B 9. 21	CHARGING LINE B	2-1S1-13B	W-26	PT / NAD 92-096	
B 9. 21	LETDOWN LINE B	2-1S1-16	W-13	PT / NAD 92-078	
B 9. 21	LETDOWN LINE B	2-1S1-16	W-9	PT / NAD 92-071R	
B 9. 21	AUX SPRAY TO PZR	2-1S1-24	B143 TO 2VC-B-3	PT / NAD 92-072A	
B 9. 21	AUX SPRAY TO PZR	2-1S1-24	W-10	PT / NAD 92-074	
B 9. 21	AUX SPRAY TO PZR	2-1S1-24	W-11	PT / NAD 92-076	
B 9. 21	AUX SPRAY TO PZR	2-1S1-24	W-12	PT / NAD 92-077	
B 9. 21	AUX SPRAY TO PZR	2-1S1-24	W-13	PT / NAD 92-075	
B 9. 21	AUX SPRAY TO PZR	2-1S1-24	W-9	PT / NAD 92-073	
B 9. 21	PRESSURIZER RELIEF B	2-1S1-27	W-10	PT / NAD 92-172	
B 9. 21	PRESSURIZER RELIEF B	2-1S1-27	W-5	PT / NAD 92-045	
B 9. 40	SI HIGH HEAD A	2-1S1- 5	W-7	PT / NAD 92-044	
B 9. 40	LETDOWN LINE B	2-1S1-16	W-17	PT / NAD 92-079	

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ASME Item	System	ISO	Item	Method / Results Report Number	Remarks
C 1. 20	BORIC ACID TANK 121	2-1S1-68	W-2	UT45 / NAD 92-027	
C 2. 21	ACCUMULATOR TANK 22	2-1S1-76	W-7	PT / NAD 92-237	
C 2. 21	ACCUMULATOR TANK 22	2-1S1-76	W-7	UT 0 / NAD 92-238	Limited Access.
C 2. 21	ACCUMULATOR TANK 22	2-1S1-76	W-7	UT45 / NAD 92-239	Limited Access.
C 2. 21	ACCUMULATOR TANK 22	2-1S1-76	W-7	UT60 / NAD 92-240	Limited Access.
C 5. 11	MAIN STEAM A	2-1S1-46B	MS-36	MT / NAD 92-134	
C 5. 11	MAIN STEAM A	2-1S1-46B	MS-36	UT45 / NAD 92-151	
C 5. 11	RHR PUMP SUCTION B	2-1S1-50	W-121	PT / NAD 92-017	
C 5. 11	RHR PUMP SUCTION B	2-1S1-50	W-135	PT / NAD 92-208	
C 5. 11	RHR PUMP SUCTION B	2-1S1-50	W-140	PT / NAD 92-209	
C 5. 11	RHR PUMP SUCTION B	2-1S1-50	W-148	PT / NAD 92-207	
C 5. 11	RHR PUMP SUCTION B	2-1S1-50	W-254	PT / NAD 92-102	
C 5. 11	RHR PUMP SUCTION B	2-1S1-50	W-259	PT / NAD 92-103	
C 5. 11	RHR PUMP SUCTION B	2-1S1-50	W-262	PT / NAD 92-104	
C 5. 11	RHR PUMP DISCH A	2-1S1-56	W-330	PT / NAD 92-047	
C 5. 11	SI PUMP A SUCTION	2-1S1-60	W-128	PT / NAD 92-241	
C 5. 11	RWST DISCHARGE	2-1S1-66	W-47	PT / NAD 92-177	
C 5. 11	RWST DISCHARGE	2-1S1-66	W-70W	PT / NAD 92-025	
C 5. 21	MAIN STEAM A	2-1S1-46A	MS-12	MT / NAD 92-114	Limited Access.
C 5. 21	MAIN STEAM A	2-1S1-46A	MS-12	UT45 / NAD 92-123	Needs Long Seam Examined
C 5. 21	MAIN STEAM A	2-1S1-46A	MS-162	MT / NAD 92-121	
C 5. 21	MAIN STEAM A	2-1S1-46A	MS-162	UT45 / NAD 92-124	

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ASME Item	System	ISO	Item	Method / Results Report Number	Remarks
C 5. 21	MAIN STEAM A	2-1SI-46B	MS-21	MT / NAD 92-133	
C 5. 21	MAIN STEAM A	2-1SI-46B	MS-21	UT45 / NAD 92-175	Needs Long Seam Examined. Limited Access.
C 5. 21	MAIN STEAM A	2-1SI-46B	MS-23	MT / NAD 92-132	
C 5. 21	MAIN STEAM A	2-1SI-46B	MS-23	UT45 / NAD 92-173	Needs Long Seam Examined
C 5. 21	MAIN STEAM B	2-1SI-47C	MS-126	MT / NAD 92-144	
C 5. 21	MAIN STEAM B	2-1SI-47C	MS-126	UT45 / NAD 92-182	Needs Long Seam Examined.
C 5. 21	MAIN STEAM B	2-1SI-47C	MS-134	MT / NAD 92-193	
C 5. 21	MAIN STEAM B	2-1SI-47C	MS-134	UT45 / GEO 92-199	
C 5. 21	MAIN STEAM B	2-1SI-47C	MS-138	MT / NAD 92-189	
C 5. 21	MAIN STEAM B	2-1SI-47C	MS-138	UT45 / GEO 92-196	Limited Access.
C 5. 21	FEEDWATER A	2-1SI-48A	FW-173	MT / NAD 92-049	
C 5. 21	FEEDWATER A	2-1SI-48A	FW-173	UT45 / GEO 92-107	
C 5. 21	FEEDWATER A	2-1SI-48A	FW-175	MT / NAD 92-039	
C 5. 21	FEEDWATER A	2-1SI-48A	FW-175	UT45 / NAD 92-098	Scans 1,2. See 92-097 for Scans 3,4. (Cal GRA-002).
C 5. 21	FEEDWATER A	2-1SI-48A	FW-175	UT45 / NAD 92-097	Scans 3,4. See 92-098 for Scans 1,2. (Cal GRA-003).
C 5. 21	FEEDWATER A	2-1SI-48A	FW-177 (THICK)	MT / NAD 92-038	
C 5. 21	FEEDWATER A	2-1SI-48A	FW-177 (THICK)	UT45 / GEO 92-106	
C 5. 21	FEEDWATER A	2-1SI-48A	FW-177 (THIN)	UT45 / GEO 92-109	
C 5. 21	FEEDWATER B	2-1SI-49A	FW-133 (THICK)	MT / NAD 92-028	
C 5. 21	FEEDWATER B	2-1SI-49A	FW-133 (THICK)	UT45 / GEO 92-108	
C 5. 21	FEEDWATER B	2-1SI-49A	FW-133 (THIN)	UT45 / NAD 92-110	
C 5. 21	FEEDWATER B	2-1SI-49B	FW-118	MT / NAD 92-188	

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ASME Item	System	ISO	Item	Method / Results Report Number	Remarks
C 5. 21	FEEDWATER B	2-ISI-49B	FW-118	UT45 / GEO 92-194	Limited Access.
C 5. 21	FEEDWATER B	2-ISI-49C	FW-105	MT / NAD 92-145	
C 5. 21	FEEDWATER B	2-ISI-49C	FW-105	UT45 / NAD 92-223	Limited Access
C 5. 21	ACCUMULATOR DISCH B	2-ISI-75	W-317	PT / NAD 92-105	
C 5. 21	ACCUMULATOR DISCH B	2-ISI-75	W-317	UT45 / NAD 92-122	
C 5. 31	MAIN STEAM A	2-ISI-46B	MS-185A	MT / NAD 92-135	
C 5. 31	MAIN STEAM A	2-ISI-46B	MS-185A	UT45 / NAD 92-174	
C 5. 31	MAIN STEAM B	2-ISI-47B	MS-182A	MT / NAD 92-140	
C 5. 31	MAIN STEAM B	2-ISI-47B	MS-182A	UT45 / NAD 92-183	
F-A,B,C	SI HIGH HEAD A	2-ISI- 5	PRSIH-240/D	VT-3 / NAD 92-082	
F-A,B,C	SI HIGH HEAD A	2-ISI- 5	PRSIH-243/A	VT-3 / NAD 92-210	
F-A,B,C	RHR TAKE OFF HOT A	2-ISI-10C	9-2RHR-2A/V	VT-3 / NAD 92-070	
F-A,B,C	CHARGING LINE B	2-ISI-13B	PRCVCH-1394/P	VT-3 / NAD 92-083	
F-A,B,C	CHARGING LINE B	2-ISI-13B	PRCVCH-1396/L	VT-3 / NAD 92-084	
F-A,B,C	CHARGING LINE B	2-ISI-13B	PRCVCH-1397/J	VT-3 / NAD 92-085	
F-A,B,C	CHARGING LINE B	2-ISI-13C	PRCVCH-1389/V	VT-3 / NAD 92-051	
F-A,B,C	LETDOWN LINE B	2-ISI-16	PRRCH-290/A2	VT-3 / NAD 92-086	
F-A,B,C	LETDOWN LINE B	2-ISI-16	PRRCH-291/A1	VT-3 / NAD 92-087	
F-A,B,C	RHR TAKE OFF HOT B	2-ISI-20A	9-2RHR-16/I	VT-3 / NAD 92-068	
F-A,B,C	RHR TAKE OFF HOT B	2-ISI-20A	9-2RHR-16/J	VT-3 / NAD 92-067	
F-A,B,C	RHR TAKE OFF HOT B	2-ISI-20A	9-2RHR-17/G	VT-3 / NAD 92-069	
F-A,B,C	RHR TAKE OFF HOT B	2-ISI-20A	9-2RHR-18/F	VT-3 / NAD 92-066	

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F-A,B,C	RHR TAKE OFF HOT B	2-1S1-20C	9-2RHR-10/P1	VT-3 / NAD 92-088	
F-A,B,C	RHR TAKE OFF HOT B	2-1S1-20C	9-2RHR-11/P	VT-3 / NAD 92-089	
F-A,B,C	RHR TAKE OFF HOT B	2-1S1-20C	RHRH-11/Q	VT-3 / NAD 92-195	
F-A,B,C	AUX SPRAY TO PZR	2-1S1-24	114-2CVCS-2/C	VT-3 / NAD 92-091	
F-A,B,C	AUX SPRAY TO PZR	2-1S1-24	PRCVCH-1508/E	VT-3 / NAD 92-090	
F-A,B,C	PRESSURIZER RELIEF A	2-1S1-27	112-2RC-4/A	VT-3 / NAD 92-040	
F-A,B,C	RX SAFETY INJ'N B	2-1S1-28	48-2S1S-1B/C	VT-3 / NAD 92-059	
F-A,B,C	RX SAFETY INJ'N A	2-1S1-29	102-2S1S-1A/C	VT-3 / NAD 92-060	
F-A,B,C	RX SAFETY INJ'N A	2-1S1-29	RHRH-34/C	VT-3 / NAD 92-053	
F-A,B,C	PRESSURIZER SAFETY B	2-1S1-30	112-2RC-7/A2	VT-3 / NAD 92-041	
F-A,B,C	MAIN STEAM A	2-1S1-46A	MSH-39/F	VT-3 / NAD 92-115	
F-A,B,C	MAIN STEAM A	2-1S1-46A	MSH-47/B1	VT-3 / NAD 92-046	
F-A,B,C	MAIN STEAM A	2-1S1-46A	MSH-51/B	VT-3 / NAD 92-042	
F-A,B,C	MAIN STEAM A	2-1S1-46A	MSH-54/G	VT-3 / NAD 92-043R	Thread Engagement. Re-work Satisfactory.
F-A,B,C	MAIN STEAM B	2-1S1-47B	MSH-23/S	VT-3 / NAD 92-128R	Loose Nut. Rework Satisfactory
F-A,B,C	MAIN STEAM B	2-1S1-47C	MSH-18/T	VT-3 / NAD 92-130	
F-A,B,C	FEEDWATER A	2-1S1-48A	2-FW-2A/B	VT-3 / NAD 92-116	
F-A,B,C	FEEDWATER A	2-1S1-48A	2-FW-6A/J	VT-3 / NAD 92-119	
F-A,B,C	FEEDWATER A	2-1S1-48A	FWH-60/J	VT-3 / NAD 92-118	
F-A,B,C	FEEDWATER A	2-1S1-48A	FWH-61/C	VT-3 / NAD 92-117	
F-A,B,C	FEEDWATER A	2-1S1-48A	FWH-74/G	VT-3 / NAD 92-120R	No Vent Hole. Re-Work Satisfactory.
F-A,B,C	FEEDWATER A	2-1S1-48B	FORCE REST #5/M	VT-3 / NAD 92-131	

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F-A,B,C	FEEDWATER A	2-1S1-48B	FWH-57/M	VT-3 / IND 92-129R	Teflon Pad. Re-Work Satisfactory.
F-A,B,C	RHR PUMP SUCTION B	2-1S1-51	BASE/Q	VT-3 / NAD 92-023	
F-A,B,C	RHR PUMP SUCTION B	2-1S1-51	RHRH-15/K	VT-3 / NAD 92-009	
F-A,B,C	RHR PUMP SUCTION B	2-1S1-51	RHRH-44/M	VT-3 / NAD 92-007	
F-A,B,C	RHR PUMP SUCTION B	2-1S1-51	RHRH-59/E	VT-3 / NAD 92-012	
F-A,B,C	RHR PUMP SUCTION B	2-1S1-51	RHRH-63/D	VT-3 / NAD 92-011	
F-A,B,C	RHR PUMP SUCTION B	2-1S1-51	RHRH-65/D1	VT-3 / NAD 92-013	
F-A,B,C	RHR PUMP SUCTION A	2-1S1-53	RHRH-14/B	VT-3 / NAD 92-006	
F-A,B,C	RHR PUMP SUCTION A	2-1S1-53	RHRH-23/A	VT-3 / NAD 92-005	
F-A,B,C	RHR PUMP DISCH B	2-1S1-55	RHRH-36/M	VT-3 / NAD 92-010	
F-A,B,C	RHR PUMP DISCH A	2-1S1-57	102-291S-2/M	VT-3 / NAD 92-052	
F-A,B,C	RHR PUMP DISCH A	2-1S1-57	RHRH-17/I	VT-3 / NAD 92-016	
F-A,B,C	RHR PUMP DISCH A	2-1S1-57	RHRH-30/D	VT-3 / NAD 92-004	
F-A,B,C	RHR PUMP DISCH A	2-1S1-57	RHRH-58/K	VT-3 / NAD 92-015	
F-A,B,C	RHR PUMP DISCH A	2-1S1-57	RHRH-61/B	VT-3 / NAD 92-003	
F-A,B,C	SI PUMP 21	2-1S1-60	SUPPORT E	VT-3 / NAD 92-138	
F-A,B,C	SI PUMP 22	2-1S1-60	SUPPORT F	VT-3 / NAD 92-139	
F-A,B,C	RWST DISCHARGE	2-1S1-67	SIH-14/D	VT-3 / NAD 92-113	
F-A,B,C	RWST DISCHARGE	2-1S1-67	SIH-15/C	VT-3 / NAD 92-112	
F-A,B,C	RHR HEAT EXCH 21	2-1S1-69	SUPPORT B	VT-3 / NAD 92-002	
F-A,B,C	RHR HEAT EXCH 22	2-1S1-69	SUPPORT B	VT-3 / NAD 92-008	
F-A,B,C	STEAM GENERATOR 21	2-1S1-77	COL 1 ANCHOR	VT-3 / NAD 92-227	

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F-A,B,C	STEAM GENERATOR 22	2-1SI-77	COL 1 ANCHOR	VT-3 / NAD 92-229	
F-A,B,C	STEAM GENERATOR 21	2-1SI-77	COL 2. PIN BOTT	VT-3 / NAD 92-218	Pin ends only.
F-A,B,C	STEAM GENERATOR 22	2-1SI-77	COL 3 PIN BOTT	VT-3 / NAD 92-220	Pin ends only.
F-A,B,C	STEAM GENERATOR 22	2-1SI-77	COL 4 PIN BOTT	VT-3 / NAD 92-221	Pin ends only.
F-A,B,C	STEAM GENERATOR 21	2-1SI-77	COL 4. PIN BOTT	VT-3 / NAD 92-219	Pin ends only.
F-A,B,C	STEAM GENERATOR 22	2-1SI-80	COL 4 PIN TOP	VT-3 / NAD 92-228	
F-A,B,C	STEAM GENERATOR 21	2-1SI-80	COL 4. PIN TOP	VT-3 / NAD 92-226	

by xi item 05/20/92

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APPENDIX C - LIST OF INSPECTIONS BY INSPECTION REPORT

Pages 1 to 8 follow

Prairie Island Nuclear Generating Plant, Unit 2
 1717 Wakonade Drive
 Welch, MN 55089

Northern States Power Company
 414 Nicollet Mall
 Minneapolis, MN 55401

Inservice Inspection Report Log
 By Report Number
 Commercial Service Date: December 20, 1974

Report Number Exam Date	ASME Item System	ISO Item	Method Results	Remarks
92-002 02/13/92	F-A,B,C RHR HEAT EXCH 21	2-1S1-69 SUPPORT B	VT-3 NAD	
92-003 02/13/92	F-A,B,C RHR PUMP DISCH A	2-1S1-57 RHRH-61/B	VT-3 NAD	
92-004 02/13/92	F-A,B,C RHR PUMP DISCH A	2-1S1-57 RHRH-30/D	VT-3 NAD	
92-005 02/13/92	F-A,B,C RHR PUMP SUCTION A	2-1S1-53 RHRH-23/A	VT-3 NAD	
92-006 02/13/92	F-A,B,C RHR PUMP SUCTION A	2-1S1-55 RHRH-14/B	VT-3 NAD	
92-007 02/13/92	F-A,B,C RHR PUMP SUCTION B	2-1S1-51 RHRH-44/M	VT-3 NAD	
92-008 02/13/92	F-A,B,C RHR HEAT EXCH 22	2-1S1-69 SUPPORT B	VT-3 NAD	
92-009 02/13/92	F-A,B,C RHR PUMP SUCTION B	2-1S1-51 RHRH-15/K	VT-3 NAD	
92-010 02/13/92	F-A,B,C RHR PUMP DISCH B	2-1S1-55 RHRH-36/M	VT-3 NAD	
92-011 02/14/92	F-A,B,C RHR PUMP SUCTION B	2-1S1-51 RHRH-63/D	VT-3 NAD	
92-012 02/14/92	F-A,B,C RHR PUMP SUCTION B	2-1S1-51 RHRH-59/E	VT-3 NAD	
92-013 02/14/92	F-A,B,C RHR PUMP SUCTION B	2-1S1-51 RHRH-65/D1	VT-3 NAD	
92-015 02/14/92	F-A,B,C RHR PUMP DISCH A	2-1S1-57 RHRH-58/K	VT-3 NAD	
92-016 02/14/92	F-A,B,C RHR PUMP DISCH A	2-1S1-57 RHRH-17/I	VT-3 NAD	
92-017 02/17/92	C 5. 11 RHR PUMP SUCTION B	2-1S1-50 W-121	PT NAD	
92-023 02/18/92	F-A,B,C RHR PUMP SUCTION B	2-1S1-51 BASE/Q	VT-3 NAD	
92-025 02/18/92	C 5. 11 RWST DISCHARGE	2-1S1-66 W-70W	PT NAD	
92-027 02/18/92	C 1. 20 BORIC ACID TANK 121	2-1S1-68 W-2	UT45 NAD	
92-028 02/19/92	C 5. 21 FEEDWATER B	2-1S1-49A FW-133 (THICK)	MT NAD	
92-035 02/19/92	B 7. 70 PRESSURIZER RELIEF A	2-1S1-27 2-8000A	VT-1 NAD	
92-036 02/19/92	B 7. 70 PRESSURIZER RELIEF B	2-1S1-27 2-8000B	VT-1 NAD	
92-038 02/19/92	C 5. 21 FEEDWATER A	2-1S1-48A FW-177 (THICK)	MT NAD	

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92-039 02/19/92	C 5. 21 FEEDWATER A	2-1SI-48A FW-175	MT NAD	
92-040 02/19/92	F-A,B,C PRESSURIZER RELIEF A	2-1SI-27 112-2RC-4/A	VT-3 NAD	
92-041 02/19/92	F-A,B,C PRESSURIZER SAFETY B	2-1SI-30 112-2RC-7/A2	VT-3 NAD	
92-042 02/20/92	F-A,B,C MAIN STEAM A	2-1SI-46A MSH-51/B	VT-3 NAD	
92-043R 03/07/92	F-A,B,C MAIN STEAM A	2-1SI-46A MSH-54/G	VT-3 NAD	Thread Engagement. Re-work Satisfactory.
92-044 02/20/92	B9. 40 SI HIGH HEAD A	2-1SI-5 W-7	PT NAD	
92-045 02/28/92	B 9. 21 PRESSURIZER RELIEF B	2-1SI-27 W-5	PT NAD	
92-046 02/20/92	F-A,B,C MAIN STEAM A	2-1SI-46A MSH-47/B1	VT-3 NAD	
92-047 02/20/92	C 5. 11 RHR PUMP DISCH A	2-1SI-56 W-330	PT NAD	
92-049 02/21/92	C 5. 21 FEEDWATER A	2-1SI-48A FW-173	MT NAD	
92-051 02/21/92	F-A,B,C CHARGING LINE B	2-1SI-13C PRCVCH-1389/V	VT-3 NAD	
92-052 02/21/92	F-A,B,C RHR PUMP DISCH A	2-1SI-57 102-2S1S-2/M	VT-3 NAD	
92-053 02/21/92	F-A,B,C RX SAFETY INJ'N A	2-1SI-29 RHRRH-34/C	VT-3 NAD	
92-057 02/21/92	B7. 70 LETDOWN LINE B	2-1SI-16 2-RC-1-3	VT-1 NAD	
92-058 02/21/92	B 7. 70 RX SAFETY INJ'N B	2-1SI-28 2-8844B	VT-1 NAD	
92-059 02/21/92	F-A,B,C RX SAFETY INJ'N B	2-1SI-28 48-2S1S-18/C	VT-3 NAD	
92-060 02/21/92	F-A,B,C RX SAFETY INJ'N A	2-1SI-29 102-2S1S-1A/C	VT-3 NAD	
92-066 02/21/92	F-A,B,C RHR TAKE OFF HOT B	2-1SI-20A 9-2RHR-18/F	VT-3 NAD	
92-067 02/21/92	F-A,B,C RHR TAKE OFF HOT B	2-1SI-20A 9-2RHR-16/J	VT-3 NAD	
92-068 02/21/92	F-A,B,C RHR TAKE OFF HOT B	2-1SI-20A 9-2RHR-16/I	VT-3 NAD	
92-069 02/21/92	F-A,B,C RHR TAKE OFF HOT B	2-1SI-20A 9-2RHR-17/G	VT-3 NAD	
92-070 02/21/92	F-A,B,C RHR TAKE OFF HOT A	2-1SI-10C 9-2RHR-2A/V	VT-3 NAD	

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92-071R 03/07/92	B9. 21 LETDOWN LINE B	2-ISI-16 W-9	PT NAD	
92-072A 03/05/92	B 9. 21 AUX SPRAY TO PZR	2-ISI-24 8143 TO 2VC-8-3	PT NAD	
92-073 02/21/92	B9. 21 AUX SPRAY TO PZR	2-ISI-24 W-9	PT NAD	
92-074 02/21/92	B9. 21 AUX SPRAY TO PZR	2-ISI-24 W-10	PT NAD	
92-075 02/21/92	B9. 21 AUX SPRAY TO PZR	2-ISI-24 W-13	PT NAD	
92-076 02/21/92	B9. 21 AUX SPRAY TO PZR	2-ISI-24 W-11	PT NAD	
92-077 02/21/92	B9. 21 AUX SPRAY TO PZR	2-ISI-24 W-12	PT NAD	
92-078 02/21/92	B9. 21 LETDOWN LINE B	2-ISI-16 W-13	PT NAD	
92-079 02/21/92	B9. 40 LETDOWN LINE B	2-ISI-16 W-17	PT NAD	
92-082 02/21/92	F-A,B,C SI HIGH HEAD A	2-ISI-5 PRSIH-240/D	VT-3 NAD	
92-083 02/21/92	F-A,B,C CHARGING LINE B	2-ISI-13B PRCVCH-1394/P	VT-3 NAD	
92-084 02/21/92	F-A,B,C CHARGING LINE B	2-ISI-13B PRCVCH-1396/L	VT-3 NAD	
92-085 02/21/92	F-A,B,C CHARGING LINE B	2-ISI-13B PRCVCH-1397/J	VT-3 NAD	
92-086 02/21/92	F-A,B,C LETDOWN LINE B	2-ISI-16 PRRCH-290/A2	VT-3 NAD	
92-087 02/21/92	F-A,B,C LETDOWN LINE B	2-ISI-16 PRRCH-291/A1	VT-3 NAD	
92-088 02/21/92	F-A,B,C RHR TAKE OFF HOT B	2-ISI-20C 9-2RHR-10/P1	VT-3 NAD	
92-089 02/21/92	F-A,B,C RHR TAKE OFF HOT B	2-ISI-20C 9-2RHR-11/P	VT-3 NAD	
92-090 02/21/92	F-A,B,C AUX SPRAY TO PZR	2-ISI-24 PRCVCH-1508/E	VT-3 NAD	
92-091 02/21/92	F-A,B,C AUX SPRAY TO PZR	2-ISI-24 114-2CVCS-2/C	VT-3 NAD	
92-094 02/21/92	B9. 21 CHARGING LINE B	2-ISI-13B W-24	PT NAD	
92-095 02/21/92	B9. 21 CHARGING LINE B	2-ISI-13B W-25	PT NAD	
92-096 02/21/92	B9. 21 CHARGING LINE B	2-ISI-13B W-26	PT NAD	

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Report Number Exam Date	ASME Item System	ISO Item	Method Results	Remarks
92-097 02/21/92	C 5. 21 FEEDWATER A	2-1S1-48A FW-175	UT45 NAD	Scans 1,2. See 92-097 for Scans 3,4. (Cal GRA-002).
92-098 02/21/92	C 5. 21 FEEDWATER A	2-1S1-48A FW-175	UT45 NAD	Scans 3,4. See 92-098 for Scans 1,2. (Cal GRA-003).
92-099 02/22/92	B 9. 11 RX SAFETY INJ'N B	2-1S1-28 W-3	PT NAD	
92-100 02/22/92	B 9. 11 RX SAFETY INJ'N B	2-1S1-28 W-4	PT NAD	
92-101 02/22/92	B 2. 60 REGEN HT EXCH C	2-1S1-34 W-3	PT NAD	
92-102 02/22/92	C 5. 11 RHR PUMP SUCTION B	2-1S1-50 W-254	PT NAD	
92-103 02/22/92	C 5. 11 RHR PUMP SUCTION B	2-1S1-50 W-259	PT NAD	
92-104 02/22/92	C 5. 11 RHR PUMP SUCTION B	2-1S1-50 W-262	PT NAD	
92-105 02/22/92	C 5. 21 ACCUMULATOR DISCH B	2-1S1-75 W-317	PT NAD	
92-106 02/21/92	C 5. 21 FEEDWATER A	2-1S1-48A FW-177 (THICK)	UT45 GEO	
92-107 02/21/92	C 5. 21 FEEDWATER A	2-1S1-48A FW-173	UT45 GEO	
92-108 02/21/92	C 5. 21 FEEDWATER B	2-1S1-49A FW-133 (THICK)	UT45 GEO	
92-109 02/22/92	C 5. 21 FEEDWATER A	2-1S1-48A FW-177 (THIN)	UT45 GEO	
92-110 02/22/92	C 5. 21 FEEDWATER B	2-1S1-49A FW-133 (THIN)	UT45 NAD	
92-112 02/13/92	F-A,B,C RWST DISCHARGE	2-1S1-67 SIH-15/C	VT-3 NAD	
92-113 02/13/92	F-A,B,C RWST DISCHARGE	2-1S1-67 SIH-14/D	VT-3 NAD	
92-114 02/22/92	C 5. 21 MAIN STEAM A	2-1S1-46A MS-12	MT NAD	Limited Access.
92-115 02/22/92	F-A,B,C MAIN STEAM A	2-1S1-46A MSH-39/F	VT-3 NAD	
92-116 02/23/92	F-A,B,C FEEDWATER A	2-1S1-48A 2-FW-2A/B	VT-3 NAD	
92-117 02/23/92	F-A,B,C FEEDWATER A	2-1S1-48A FWH-61/C	VT-3 NAD	
92-118 02/23/92	F-A,B,C FEEDWATER A	2-1S1-48A FWH-60/J	VT-3 NAD	
92-119 02/23/92	F-A,B,C FEEDWATER A	2-1S1-48A 2-FW-6A/J	VT-3 NAD	

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Report Number Exam Date	ASME Item System	ISO Item	Method Results	Remarks
92-120R 03/05/92	F-A,B,C FEEDWATER A	2-ISI-48A FWH-74/G	VT-3 NAD	No Vent Hole. Re-Work Satisfactory.
92-121 02/23/92	C 5. 21 MAIN STEAM A	2-ISI-46A MS-162	MT NAD	
92-122 02/23/92	C 5. 21 ACCUMULATOR DISCH B	2-ISI-75 W-317	UT45 NAD	
92-123 02/23/92	C 5. 21 MAIN STEAM A	2-ISI-46A MS-12	UT45 NAD	Needs Long Seam Examined
92-124 02/23/92	C 5. 21 MAIN STEAM A	2-ISI-46A MS-162	UT45 NAD	
92-128R 03/05/92	F-A,B,C MAIN STEAM B	2-ISI-47B MSH-23/S	VT-3 NAD	Loose Nut. Rework Satisfactory
92-129R 02/24/92	F-A,B,C FEEDWATER A	2-ISI-48B FWH-57/M	VT-3 IND	Teflon Pad. Re-Work Satisfactory.
92-130 02/24/92	F-A,B,C MAIN STEAM B	2-ISI-47C MSH-18/T	VT-3 NAD	
92-131 02/24/92	F-A,B,C FEEDWATER A	2-ISI-48B FORCE REST #5/M	VT-3 NAD	
92-132 02/24/92	C 5. 21 MAIN STEAM A	2-ISI-46B MS-23	MT NAD	
92-133 02/24/92	C 5. 21 MAIN STEAM A	2-ISI-46B MS-21	MT NAD	
92-134 02/24/92	C 5. 11 MAIN STEAM A	2-ISI-46B MS-36	MT NAD	
92-135 02/24/92	C 5. 31 MAIN STEAM A	2-ISI-46B MS-185A	MT NAD	
92-136 02/24/92	B 9. 11 RX SAFETY INJ'N B	2-ISI-28 W-4	UT45 NAD	
92-137 02/24/92	B 9. 11 RX SAFETY INJ'N B	2-ISI-28 W-3	UT45 NAD	
92-138 02/25/92	F-A,B,C SI PUMP 21	2-ISI-60 SUPPORT E	VT-3 NAD	
92-139 02/25/92	F-A,B,C SI PUMP 22	2-ISI-60 SUPPORT F	VT-3 NAD	
92-140 02/25/92	C 5. 31 MAIN STEAM B	2-ISI-47B MS-182A	MT NAD	
92-141 02/24/92	B 2. 11 PRESSURIZER	2-ISI-36 W-4 0'-12'	UT 0 NAD	
92-142 02/24/92	B 2. 11 PRESSURIZER	2-ISI-36 W-4 0'-12'	UT45 NAD	
92-143 02/24/92	B 2. 11 PRESSURIZER	2-ISI-36 W-4 0'-12'	UT60 NAD	
92-144 02/24/92	C 5. 21 MAIN STEAM B	2-ISI-47C MS-126	MT NAD	

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92-145 02/25/92	C 5. 21 FEEDWATER B	2-1S1-49C FW-105	MT NAD	
92-151 02/25/92	C 5. 11 MAIN STEAM A	2-1S1- JB MS-36	UT45 NAD	
92-152 02/26/92	B 7. 30 STEAM GENERATOR 21	2-1S1-37 INLET 1-16	VT-1 NAD	Bolts Replaced
92-153 02/26/92	B 7. 30 STEAM GENERATOR 21	2-1S1-37 OUTLET 1-16	VT-1 NAD	Bolts Replaced
92-154 02/26/92	B 7. 30 STEAM GENERATOR 22	2-1S1-37 INLET 1-16	VT-1 NAD	Bolts Replaced
92-155 02/26/92	B 7. 30 STEAM GENERATOR 22	2-1S1-37 OUTLET 1-16	VT-1 NAD	Bolts Replaced
92-156R 02/27/92	B 7. 60 RCC PUMP 22	2-1S1-43 SEAL BLTS 1-12	VT-1 NAD	2 Bolts Replaced.
92-169 02/27/92	B 2. 60 REGEN HT EXCH C	2-1S1-34 W-3	UT45 NAD	
92-172 02/28/92	B 9. 21 PRESSURIZER RELIEF B	2-1S1-27 W-10	PT NAD	
92-173 02/28/92	C 5. 21 MAIN STEAM A	2-1S1-46B MS-23	UT45 NAD	Needs Long Seam Examined
92-174 02/28/92	C 5. 31 MAIN STEAM A	2-1S1-46B MS-185A	UT45 NAD	
92-175 02/28/92	C 5. 21 MAIN STEAM A	2-1S1-46B MS-21	UT45 NAD	Needs Long Seam Examined. Limited Access.
92-177 02/28/92	C 5. 11 RWST DISCHARGE	2-1S1-66 W-47	PT NAD	
92-178 02/28/92	B6. 10 REACTOR VESSEL	2-1S1-39 NUTS 33-48	VT-1 NAD	Rework Satisfactory and ac- cepted.
92-179 02/28/92	B6. 30 REACTOR VESSEL	2-1S1-39 STUDS 33-48	VT-1 NAD	
92-180 02/28/92	B 6. 50 REACTOR VESSEL	2-1S1-39 WASHERS 33-48	VT-1 IND	Small gouge on flat. Accepted.
92-181 02/28/92	B 6. 30 REACTOR VESSEL	2-1S1-39 STUDS 33-48	UT 0 NAD	
92-182 02/29/92	C 5. 21 MAIN STEAM B	2-1S1-47C MS-126	UT45 NAD	Needs Long Seam Examined.
92-183 02/29/92	C 5. 31 MAIN STEAM B	2-1S1-47B MS-182A	UT45 NAD	
92-188 02/29/92	C 5. 21 FEEDWATER B	2-1S1-49B FW-118	MT NAD	
92-189 02/29/92	C 5. 21 MAIN STEAM B	2-1S1-47C MS-138	MT NAD	
92-190 02/29/92	B 6. 10 REACTOR VESSEL	2-1S1-39 NUTS 33-48	MT NAD	

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92-191 02/29/92	B 6. 30 REACTOR VESSEL	2-ISI-39 STUDS 33-48	MT IND	Small Linear indication. Accepted.
92-193 03/02/92	C 5. 21 MAIN STEAM B	2-ISI-47C MS-134	MT NAD	
92-194 03/02/92	C 5. 21 FEEDWATER B	2-ISI-49B FW-118	UT45 GEO	Limited Access.
92-195 03/03/92	F-A,B,C RHR TAKE OFF HOT B	2-ISI-20C RHRH-11/Q	VT-3 NAD	
92-196 03/03/92	C 5. 21 MAIN STEAM B	2-ISI-47C MS-138	UT45 GEO	Limited Access.
92-199 03/04/92	C 5. 21 MAIN STEAM B	2-ISI-47C MS-134	UT45 GEO	
92-200 03/03/92	B 2. 10 PRESSURIZER	2-ISI-36 W-5 8'-16'	UT 0 NAD	Limitations
92-201 03/03/92	B 2. 10 PRESSURIZER	2-ISI-36 W-5 8'-16'	UT45 NAD	Limitations
92-202 03/03/92	B 2. 10 PRESSURIZER	2-ISI-36 W-5 8'-16'	UT60 NAD	
92-207 03/05/92	C 5. 11 RHR PUMP SUCTION B	2-ISI-50 W-148	PT NAD	
92-208 03/05/92	C 5. 11 RHR PUMP SUCTION B	2-ISI-50 W-135	PT NAD	
92-209 03/05/92	C 5. 11 RHR PUMP SUCTION B	2-ISI-50 W-140	PT NAD	
92-210 03/06/92	F-A,B,C SI HIGH HEAD A	2-ISI-5 PRSH-243/A	VT-3 NAD	
92-211 03/06/92	B9. 11 RHR TAKE OFF HOT B	2-ISI-20A U-7	PT NAD	
92-212 03/06/92	B9. 11 RHR TAKE OFF HOT B	2-ISI-20A U-7	UT45 NAD	
92-218 03/07/92	F-A,B,C STEAM GENERATOR 21	2-ISI-77 COL 2. PIN BOTT	VT-3 NAD	Pin ends only.
92-219 03/07/92	F-A,B,C STEAM GENERATOR 21	2-ISI-77 COL 4. PIN BOTT	VT-3 NAD	Pin ends only.
92-220 03/07/92	F-A,B,C STEAM GENERATOR 22	2-ISI-77 COL 3 PIN BOTT	VT-3 NAD	Pin ends only.
92-221 03/07/92	F-A,B,C STEAM GENERATOR 22	2-ISI-77 COL 4 PIN BOTT	VT-3 NAD	Pin ends only.
92-223 03/06/92	C 5. 21 FEEDWATER B	2-ISI-49C FW-105	UT45 NAD	Limited Access
92-224 03/07/92	F-A,B,C STEAM GENERATOR 21	2-ISI-80 COL 4. PIN TOP	VT-3 NAD	
92-227 03/07/92	F-A,B,C STEAM GENERATOR 21	2-ISI-77 COL 1 ANCHOR	VT-3 NAD	

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92-28 03/07/92	F-A,B,C STEAM GENERATOR 22	2-151-70 COL 4 PIN TOP	VT-3 NAD	
92-229 03/07/92	F-A,B,C STEAM GENERATOR 22	2-151-77 COL 1 ANCHOR	VT-3 NAD	
92-237 03/08/92	C 2. 21 ACCUMULATOR TANK 22	2-151-76 W-7	PT NAD	
92-238 03/08/92	C 2. 21 ACCUMULATOR TANK 22	2-151-76 W-7	UT 7 NAD	Limited Access.
92-239 03/08/92	C 2. 21 ACCUMULATOR TANK 22	2-151-76 W-7	UT45 NAD	Limited Access.
92-240 03/08/92	C 2. 21 ACCUMULATOR TANK 22	2-151-76 W-7	UT60 NAD	Limited Access.
92-241 03/08/92	C 5. 11 SI PUMP A SUCTION	2-151-60 W-128	PT NAD	

by rpt 05/20/92

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APPENDIX D - LIST OF SECTION XI VT-2 EXAMINATIONS

SYSTEM	PROCEDURE NO.	RESULTS
Reactor Coolant System	SP 2174-20 3-13-92	Satisfactory
Component Cooling System	2168.4 2-18-92	Satisfactory
Aux FW System	2168.6 3-12-92	Satisfactory
Caustic Addition System	2168.7 2-18-92	Satisfactory
Residual Heat Removal System	2168.10 2-19-92	Satisfactory
Main & Aux Steam Removal	2168.11 3-13-92	Satisfactory
SI Accum	2168.12 3-12-92	Satisfactory
Safety Injection System	2168.13 4-21-92	Satisfactory
Contmt Spray System	2168.14 3-10-92	Satisfactory
Post LOCA H ₂	2168.15 3-3-92	Satisfactory
CVCS	2168.16 4-21-92	Satisfactory
Feedwater	2168.17 4-21-92	Satisfactory
Sampling System	2168.19 3-13-92	Satisfactory
DG System	1168.2A 5-28-91	Satisfactory
DG System	1168.2B 5-29-91	Satisfactory

SYSTEM	PROCEDURE NO.	RESULTS
Diesel CW System	1168.3 5-24-91	Satisfactory
Component Cooling System	1168.4 5-30-91	Satisfactory
Aux FW System	1168.6 6-4-91	Satisfactory
Caustic Addition System	1168.7 5-29-91	Satisfactory
Cooling Water System	1168.8 6-25-91	Satisfactory
Chill Water System:	1168.9 5-16-91	Satisfactory
Residual Heat Removal System	1168.10 6-1-91	Satisfactory
Main & Aux Steam Removal	1168.11 6-1-91	Satisfactory
SI Accum	1168.12 6-1-91	Satisfactory
Safety Injection System	1168.13 6-16-91	Satisfactory
Cntmt Spray System	1168.14 6-24-91	Satisfactory
Post LOCA H ₂	1168.15 6-6-91	Satisfactory
CVCS	1168.16 6-1-91	Satisfactory
Feedwater	1168.17 5-24-91	Satisfactory
Sampling System	1168.19 6-6-91	Satisfactory
Boric Acid Storage Tank & Transfer Pumps	1168.21 5-20-91	Satisfactory

APPENDIX E - RESULTS OF STEAM GEN EDDY CURRENT EXAMINATIONS

Pages 1 to 4 and Attachments

RESULTS OF STEAM GENERATOR EDDY CURRENT EXAMINATIONS

During the February 1992 scheduled refueling outage 100% of all accessible tubes in steam generator 21 and 22 were examined full length. The examination was conducted utilizing the multifrequency eddy current technique. The program was as follows:

1. Cold leg examinations were performed from the seventh support plate on the hot leg side through the tube end on the cold leg side on rows 3 through 46, row 1 and 2 tubes were examined from the seventh support plate on the cold leg side through the tube end on the cold leg side. These examinations were completed using magnetically biased 0.720 inch, 0.700 inch and 0.680 inch diameter bobbin probes.
2. Hot leg examinations were performed from the seventh support plate on the hot leg side through the tube end on the hot leg side. These examinations were completed using magnetically biased 0.720 inch diameter bobbin probes. All row 1 and 2 U-Bends were examined from the seventh support plate on the cold leg side through the seventh support plate on the hot leg side using Zetec dual motion MRPC U-Bend probes.

Motorized rotating pancake coil (MRPC) techniques were utilized extensively in both steam generators. The inspection strategy was to examine all row 1 and 2 U-Bends and supplement the bobbin coil data to further characterize: indications of percent through wall, manufacturing burnish marks, undefined indications and distorted indications. The following is a summary of MRPC examinations:

- 185 U-Bends examinations in 21 hot leg
- 186 U-Bends examinations in 22 hot leg
- 82 supplemental examinations in 21 hot leg
- 26 supplemental examinations in 21 cold leg
- 88 supplemental examinations in 22 hot leg
- 25 supplemental examinations in 22 cold leg

Conam Inspection was contracted to acquire and evaluate the eddy current data. Zetec was contracted to perform a completely independent evaluation of all data acquired by Conam Inspection. Zetec was also contracted to perform a third party evaluation using Computer Data Screening (CDS) of all bobbin coil data. The scope of all the work contracted was completed using remote positioning devices and the Zetec MIZ-18 digital test equipment along with associated acquisition software. The analysis was completed using Zetec, Inc. EDDYNET version 4A with ANALYSIS program revision 3A released 02/09/92, RPC program revision 3A released 02/09/92, CRACKMAP program revision 2A released 02/09/92 and CDS program revision 2 released 12/30/91.

Summaries of: total tubes examined, distribution of indications, tubes plugged this outage, and total tubes plugged to date can be found in Tables I through IV respectively.

Cumulative lists and tube sheet maps of indications by depth range, tubes plugged this outage, and total tubes plugged to date are listed on page 4 of 4 and attached.

TABLE I
Total tubes examined

<u>PROGRAM</u>	<u>TUBE COUNT</u>	<u>PERCENT</u>
21 hot leg	3315	100
21 cold leg	3315	100
22 hot leg	3235	100
22 cold leg	3235	100

TABLE II
Distribution of indications

<u>S/G NO.</u>	<u>0 - 19%</u>	<u>20 - 29%</u>	<u>30 - 39%</u>	<u>40 - 100%</u>
21	45	50	26	6
22	59	57	36	6

TABLE III
Tubes plugged this outage

<u>S/G NO.</u>	<u>ROW - COLUMN</u>		<u>%TWD</u>	<u>LOCATION</u>
21	28	11	*NRC Bulletin 89-01	
21	31	14	42	01C + 0.0
21	3	21	NRC Bulletin 89-01	
21	43	33	*NRC Bulletin 89-01	
21	43	42	NRC Bulletin 89-01	
21	46	52	*NRC Bulletin 89-01	
21	44	59	*NRC Bulletin 89-01	
21	45	59	NRC Bulletin 89-01	
21	34	77	56	01C + 0.2
21	6	80	48	TSC + 1.6
21	28	85	50	02C - 0.1
21	24	86	46	02C - 0.1
21	22	88	45	01C - 0.0
22	31	14	43	01C - 0.1
22	32	18	**NRC Bulletin 89-01	
22	36	19	47	01C + 0.0
22	45	51	NRC Bulletin 89-01	
22	40	56	NRC Bulletin 89-01	
22	40	67	NRC Bulletin 89-01	
22	42	67	NRC Bulletin 89-01	
22	37	74	44	01C + 0.0
22	10	91	42	01C + 0.1
22	15	91	NRC Bulletin 89-01	
22	3	93	45	01C - 0.3

* Alloy 600 plugs removed prior to required date.

** B&W alloy 600 plug removed due to visual sign of leakage (Boric Acid buildup).

TABLE IV
Total tubes plugged to date

<u>S/G NO.</u>	<u>TUBE COUNT</u>	<u>PERCENT</u>
21	79	2.33
22	158	4.66

LEGEND OF FIELDS AND CODES

<u>FIELD</u>	<u>EXPLANATION</u>
ROW	Row number of tube location
COL	Column number of tube location
LEG	Channel head tested from (H = inlet & C = outlet)
BEG	Beginning extent of test - see below
END	Ending extent of test - see below
REM	Remarks - see below
REEL	Optical disk number, side, calibration group
PROBE	Probe size, manufacturer and type used - see below
LOCATION	Physical location or date of repair - see below
VOLTS	Voltage of signal
DEG	Degree of signal
%	Measured percent or three digit code - see below
CH	Channel number used for measurement

<u>FIELD</u>	<u>CODE</u>	<u>EXPLANATION</u>
PROBE	***	Probe nominal diameter
	ZW	Wide groove ULC manufactured by Zetec
	ZU	Standard ULC manufactured by Zetec
	ZS	Spring flex ULC manufactured by Zetec
	ZR	Rotating pancake coil by Zetec
	ZN	ZS with small diameter nose cone by Zetec
BEG, END, LOCATION	TEH	Tube end hot (primary face)
	TRH	Top of roll expansion hot leg
	TSH	Tube sheet hot (secondary face)
	STH	Sleeve top hot
	01H	First support plate on hot leg side
	***	Second through sixth locations
	07H	Seventh support plate on hot leg side
	NV1	First new antivibration bar
	***	Second and third locations
	NV4	Fourth new antivibration bar
	07C	Seventh support plate on cold leg side
	***	Sixth through second locations
	01C	First support plate on cold leg side
	STC	Sleeve top cold
TSC	Tube sheet cold (secondary face)	
TRC	Top of roll expansion cold leg	
TEC	Tube end cold (primary face)	
REM	S	Supplemental RPC data
%	CIR	Circumferential RPC indication
	MAI	Multiple axial RPC indication
	PLG	Plugged tube
	SLV	Sleeved tube
	VOL	Volumetric RPC indication

ATTACHMENTS

STEAM GENERATOR 21 - 0% TO 19% LIST - 3 PAGES
STEAM GENERATOR 21 - 0% TO 19% MAP - 1 PAGE
STEAM GENERATOR 21 - 20% TO 29% LIST - 3 PAGES
STEAM GENERATOR 21 - 20% TO 29% MAP - 1 PAGE
STEAM GENERATOR 21 - 30% TO 39% LIST - 2 PAGES
STEAM GENERATOR 21 - 30% TO 39% MAP - 1 PAGE
STEAM GENERATOR 21 - 40% TO 100%, CIR, MAI AND SAI LIST - 1 PAGE
STEAM GENERATOR 21 - 40% TO 100%, CIR, MAI AND SAI MAP - 1 PAGE
STEAM GENERATOR 21 - TUBES PLUGGED THIS OUTAGE LIST - 1 PAGE
STEAM GENERATOR 21 - TUBES PLUGGED THIS OUTAGE MAP - 1 PAGE
STEAM GENERATOR 21 - TOTAL TUBES PLUGGED TO DATE LIST - 6 PAGES
STEAM GENERATOR 21 - TOTAL TUBES PLUGGED TO DATE MAP - 1 PAGE
STEAM GENERATOR 22 - 0% TO 19% LIST - 3 PAGES
STEAM GENERATOR 22 - 0% TO 19% MAP - 1 PAGE
STEAM GENERATOR 22 - 20% TO 29% LIST - 3 PAGES
STEAM GENERATOR 22 - 20% TO 29% MAP - 1 PAGE
STEAM GENERATOR 22 - 30% TO 39% LIST - 2 PAGES
STEAM GENERATOR 22 - 30% TO 39% MAP - 1 PAGE
STEAM GENERATOR 22 - 40% TO 100%, CIR, MAI AND SAI LIST - 1 PAGE
STEAM GENERATOR 22 - 40% TO 100%, CIR, MAI AND SAI MAP - 1 PAGE
STEAM GENERATOR 22 - TUBES PLUGGED THIS OUTAGE LIST - 1 PAGES
STEAM GENERATOR 22 - TUBES PLUGGED THIS OUTAGE MAP - 1 PAGE
STEAM GENERATOR 22 - TOTAL TUBES PLUGGED TO DATE LIST - 12 PAGES
STEAM GENERATOR 22 - TOTAL TUBES PLUGGED TO DATE MAP - 1 PAGE

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 21
Leg.....: Hot and Cold legs
Release..: 2.2
0% TO 19% for the entire length

Page: 1 of 3
Date: 03/03/92
Time: 07:47

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION	CURRENT			
			BEG	END					VOLTS	DEG	%	CH
23	7	H	07H	TEH		1A00000	720ZW	02H- 0.2	0.97	131	2	17
29	13	C	07H	TEC		1B00001	720ZU	01C- 0.2	0.88	136	1	17
33	17	C	07H	TEC		1B00003	720ZU	02C+ 0.0	0.68	124	17	17
34	18	C	07H	TEC		1B00003	720ZU	01C- 0.3	1.35	147	1	17
39	30	H	07H	TEH		3A00007	720ZW	02H- 0.2	0.50	142	6	17
18	36	C	07H	TEC		3B00010	720ZU	NV4+ 0.1	0.71	0	17	18
45	41	C	07H	TEC		4B00012	720ZU	01C- 0.2	2.26	132	19	17
		C	07H	TEC		4B00012	720ZU	02C- 0.1	1.72	142	2	17
44	42	C	07H	TEC		4B00013	720ZU	01C- 0.2	0.47	141	8	17
46	43	C	07H	TEC		4B00013	720ZU	01C- 0.2	0.98	143	5	17
43	44	C	07H	TEC		4B00013	720ZU	01C- 0.2	2.32	144	4	17
44	45	C	07H	TEC		4B00013	720ZU	01C- 0.1	0.53	139	11	17
46	45	C	07H	TEC		4B00013	720ZU	01C+ 0.0	0.90	144	4	17
37	46	H	07H	TEH		5A00014	720ZW	02H- 0.2	0.59	131	15	17
46	54	C	07H	TEC		6B00017	720ZU	01C- 0.1	1.44	151	2	17
43	57	C	07H	TEC		6B00018	720ZU	01C+ 0.1	1.68	135	4	17
44	58	C	07H	TEC		6B00019	720ZU	02C- 0.2	0.67	136	3	17
21	61	C	07H	TEC		6B00019	720ZU	NV2+ 16.7	0.81	0	18	18
23	61	C	07H	TEC		6B00019	720ZU	NV2+ 19.1	0.83	0	18	18
7	62	C	07H	TEC		10B00032	720ZS	TSC+ 26.0	1.13	157	15	17
42	64	C	07H	TEC		6B00021	720ZU	02C- 0.2	0.90	139	8	17
43	64	C	07H	TEC		6B00021	720ZU	01C- 0.1	2.22	126	18	17

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 21
Leg.....: Hot and Cold legs
Release...: 2.2

Page: 2 of 3
Date: 03/03/92
Time: 07:47

0% TO 19% for the entire length

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATIONN		CURRENT			
			BEG	END						VOLTS	DEG	%	CH
7	69	C	07H	TEC		9B00030	700ZS	01C+	22.9	1.39	157	17	1
39	69	C	07H	TEC		7B00022	720ZU	01C-	0.3	0.67	146	7	17
40	70	C	07H	TEC		7B00022	720ZU	02C-	0.1	0.93	145	8	17
39	72	C	07H	TEC		7B00023	720ZU	01C-	0.1	2.44	131	13	17
17	73	C	07H	TEC		7B00023	720ZU	NV2+	0.3	0.41	0	10	18
37	75	C	07H	TEC		7B00023	720ZU	01C-	0.1	3.10	141	2	17
34	76	C	07H	TEC		8B00024	720ZU	02C+	0.1	1.59	146	8	17
1	77	H	07H	TEH		8A00026	720ZW	01H-	0.2	0.71	147	15	17
32	78	C	07H	TEC		8B00024	720ZU	02C+	0.0	4.00	137	4	17
31	79	C	07H	TEC		8B00024	720ZU	02C+	0.1	2.25	148	6	17
31	80	C	07H	TEC		8B00025	720ZU	01C-	0.1	0.44	137	8	17
30	81	C	07H	TEC		8B00025	720ZU	01C-	0.2	2.23	136	11	17
30	82	C	07H	TEC		8B00025	720ZU	01C-	0.2	0.84	139	18	17
25	86	C	07H	TEC		9B00026	720ZU	01C-	0.1	1.21	148	11	17
23	88	C	07H	TEC		9B00026	720ZU	01C-	0.0	1.02	148	11	17
6	92	C	07H	TEC		9B00028	700ZS	01C-	0.1	0.58	147	4	17
8	92	C	07H	TEC		9B00028	700ZS	01C-	0.1	1.09	142	10	17
9	92	C	07H	TEC		9B00028	700ZS	01C+	0.0	1.01	145	6	17
14	92	C	07H	TEC		9B00026	720ZU	01C+	0.1	0.74	141	18	17
2	93	C	07C	TEC		9B00028	700ZS	02C+	0.0	0.54	145	6	3
3	93	C	07H	TEC		9B00028	700ZS	01C-	0.1	0.70	148	3	17

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 21
 Leg.....: Hot and Cold legs
 Release...: 2.2
 0% TO 19% for the entire length

Page: 3 of 3
 Date: 03/03/92
 Time: 07:47

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION		CURRENT			
			BEG	END						VOLTS	DEG	%	CH
4	93	C	07H	TEC		9B00028	700ZS	02C-	0.2	0.57	148	4	17
5	93	C	07H	TEC		9B00028	700ZS	01C-	0.0	1.40	139	13	17
4	94	C	07H	TEC		9B00028	700ZS	02C+	0.0	0.77	135	18	17

NUMBER OF TUBES IN REPORT = 43

NSP

DATE: 03/03/92

TIME: 07:50

STEAM GENERATOR: 21

GROUPS: All groups included

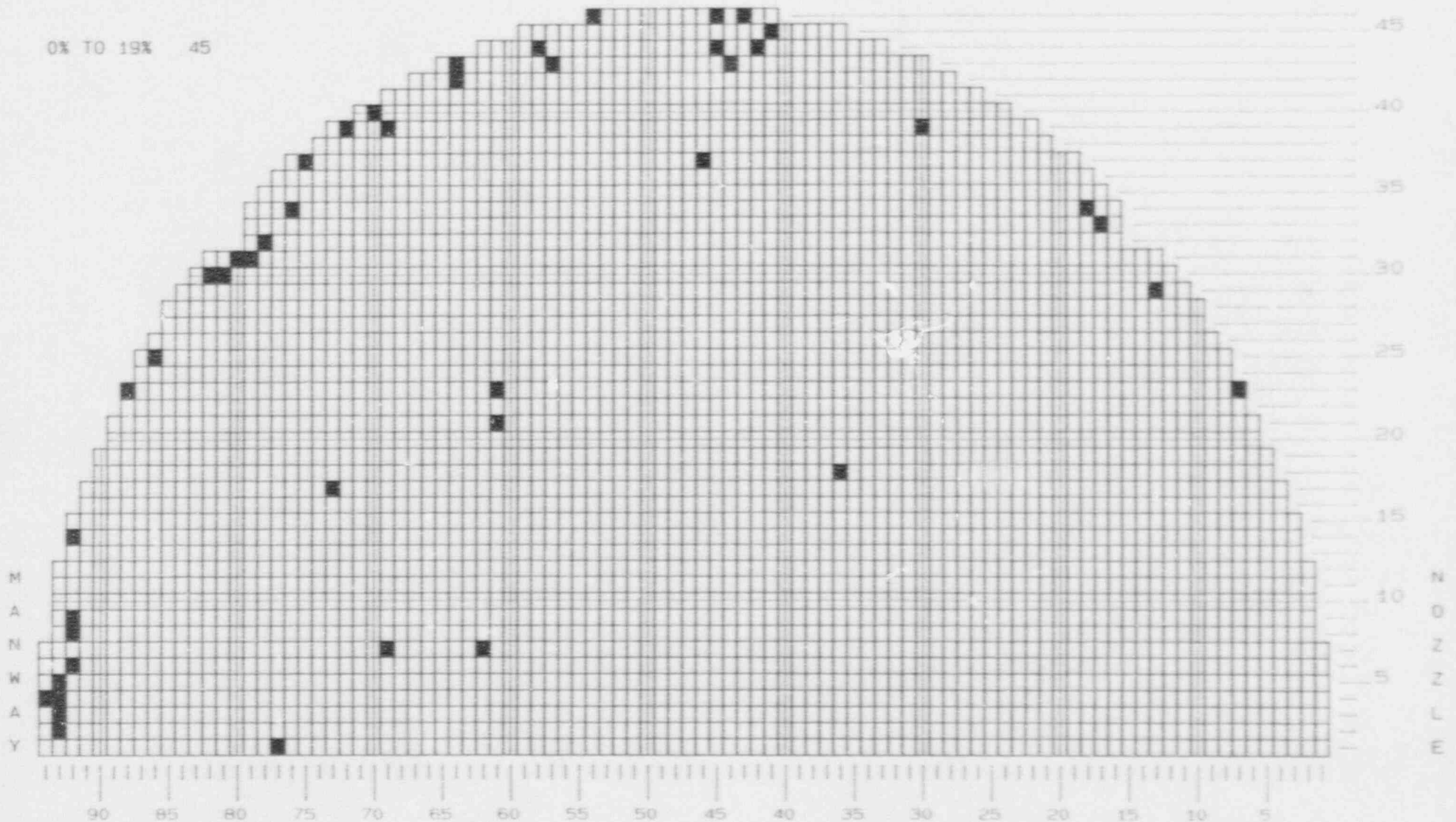
0% TO 19% for the entire length

CUMULATIVE INDICATIONS REPORT-HOT AND COLD LEGS

PRAIRIE ISLAND, UNIT 2



0% TO 19% 45



CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 21
Leg.....: Hot and Cold legs
Release...: 2.2
20% TO 29% for the entire length

Page: 1 of 3
Date: 03/03/92
Time: 07:53

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION		CURRENT			
			BEG	END						VOLTS	DEG	%	CH
14	6	C	07H	TEC		1B00000	720ZU	01C+	0.0	1.32	126	27	17
31	14	C	07H	TEC		1B00001	720ZU	01C-	0.2	1.56	124	27	17
23	27	C	07H	TEC		2B00007	720ZU	NV4+	4.5	1.09	0	23	18
18	28	C	07H	TEC		2B00007	720ZU	NV2+	1.0	1.26	0	25	18
25	30	C	06H	TEC		2B00007	720ZU	NV2+	0.8	1.03	0	24	18
		C	06H	TEC		2B00007	720ZU	NV2+	19.4	1.31	0	28	18
39	30	C	07H	TEC		2B00008	720ZU	NV4+	2.6	0.90	0	22	18
25	32	C	07H	TEC		2B00009	720ZU	NV2+	0.5	1.12	0	23	18
		C	07H	TEC		2B00009	720ZU	NV2+	19.7	1.26	0	25	18
39	34	C	07H	TEC		11B00037	700ZS	NV4+	2.5	1.18	0	25	18
45	36	C	07H	TEC		4B00011	720ZU	01C-	0.2	1.18	129	26	17
23	37	C	07H	TEC		4B00011	720ZU	NV2+	17.0	1.35	0	26	18
36	43	C	07H	TEC		4B00013	720ZU	07H+	31.8	0.96	0	21	18
		C	07H	TEC		4B00013	720ZU	NV2+	2.8	0.98	0	21	18
		C	07H	TEC		4B00013	720ZU	NV2+	32.4	0.97	0	21	18
18	44	C	07H	TEC		4B00013	720ZU	NV2+	13.4	1.54	0	29	18
44	44	C	07H	TEC		4B00013	720ZU	01C-	0.2	3.29	133	20	17
28	45	C	07H	TEC		5B00014	720ZU	NV2+	0.2	1.67	0	28	18
		C	07H	TEC		5B00014	720ZU	NV2+	22.4	1.38	0	25	18
		C	07H	TEC		5B00014	720ZU	NV4+	2.5	1.45	0	26	18
36	45	C	07H	TEC		5B00014	720ZU	NV2+	1.3	1.12	0	22	18
43	46	H	07H	TEH		5A00014	720ZW	03H-	0.2	1.02	128	26	17
36	47	C	07H	TEC		5B00014	720ZU	NV2+	2.3	1.57	0	27	18
		C	07H	TEC		5B00014	720ZU	NV2+	32.3	1.14	0	22	18

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 21
Leg.....: Hot and Cold legs
Release...: 2.2
20% TO 29% for the entire length

Page: 2 of 3
Date: 03/03/92
Time: 07:53

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION		CURRENT			
			BEG	END						VOLTS	DEG	%	CH
39	47	C	07H	TEC		5B00014	720ZU	NV2+	35.7	1.36	0	25	18
		C	07H	TEC		5B00014	720ZU	NV4+	3.1	1.64	0	28	18
27	48	C	07H	TEC		5B00015	720ZU	NV4+	2.5	1.15	0	24	18
35	48	C	07H	TEC		5B00015	720ZU	NV2+	1.8	1.07	0	23	18
44	48	C	07H	TEC		5B00015	720ZU	01C+	0.1	1.32	126	25	17
45	48	C	07H	TEC		5B00015	720ZU	01C+	0.1	0.87	124	28	17
45	50	C	07H	TEC		5B00015	720ZU	01C-	0.1	0.74	125	26	17
22	55	C	07H	TEC		6B00017	720ZU	NV2+	18.4	0.93	0	20	18
41	58	C	07H	TEC		6B00018	720ZU	01C-	0.2	1.65	124	23	17
45	58	C	07H	TEC		6B00019	720ZU	01C+	0.1	2.33	130	22	17
36	60	C	07H	TEC		6B00019	720ZU	NV2+	2.5	1.28	0	25	18
21	61	C	07H	TEC		6B00019	720ZU	NV2+	1.3	1.03	0	21	18
23	61	C	07H	TEC		6B00019	720ZU	NV2+	1.3	1.28	0	25	18
		C	07H	TEC		6B00019	720ZU	NV4+	0.3	0.99	0	21	18
41	62	C	07H	TEC		7B00020	720ZU	01C-	0.2	0.83	127	26	17
42	62	C	07H	TEC		7B00020	720ZU	01C-	0.2	2.89	130	21	17
42	63	C	07H	TEC		7B00020	720ZU	01C-	0.1	1.87	130	21	17
21	64	C	07H	TEC		7B00020	720ZU	NV2+	17.2	0.93	0	20	18
40	66	C	07H	TEC		6B00021	720ZU	02C-	0.1	3.17	126	28	17
26	69	C	07H	TEC		7B00022	720ZU	07H+	28.5	1.24	0	26	18
		C	07H	TEC		7B00022	720ZU	NV2+	23.1	1.10	0	24	18
26	72	C	07H	TEC		7B00023	720ZU	NV2+	1.2	1.25	0	26	18
36	72	C	07H	TEC		7B00023	720ZU	01C-	0.2	1.81	127	20	17

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 21
Leg.....: Hot and Cold legs
Release..: 2.2
20% TO 29% for the entire length

Page: 3 of 3
Date: 03/03/92
Time: 07:53

ROW	COL	LEG	FXTENT		REM	REEL	PROBE	LOCATION		CURRENT			
			BEG	END						VOLTS	DEG	%	CH
38	74	C	07H	TEC		7B00023	720ZU	01C-	0.1	3.16	122	28	17
33	77	C	07H	TEC		8B00024	720ZU	03C-	0.3	1.24	124	26	17
30	83	C	07H	TEC		8B00025	720ZU	01C-	0.0	3.10	128	24	17
18	87	C	07H	TEC		9B00026	720ZU	01C-	0.2	2.16	135	26	17
17	89	C	07H	TEC		9B00026	720ZU	01C+	0.0	1.25	133	28	17
		C	07H	TEC		9B00026	720ZU	02C-	0.1	1.48	138	24	17
12	90	C	07H	TEC		9B00027	720ZU	01C-	0.2	2.19	129	21	17
7	91	C	07H	TEC		9B00028	700ZS	01C-	0.2	2.80	128	25	17
14	91	C	07H	TEC		9B00026	720ZU	01C-	0.1	2.76	140	20	17
14	92	C	07H	TEC		9B00026	720ZU	NV1+	2.7	1.50	0	28	18
2	93	C	07C	TEC		9B00028	700ZS	01C-	0.2	2.10	133	20	17
6	93	C	07H	TEC		9B00028	700ZS	02C-	0.1	0.85	126	27	17
5	94	C	07H	TEC		9B00028	700ZS	01C+	0.0	1.35	125	28	17
7	94	C	07H	TEC		9B00028	700ZS	01C+	0.0	0.86	127	26	17

NUMBER OF TUBES IN REPORT = 50

NSP

DATE: 03/03/92

TIME: 07:55

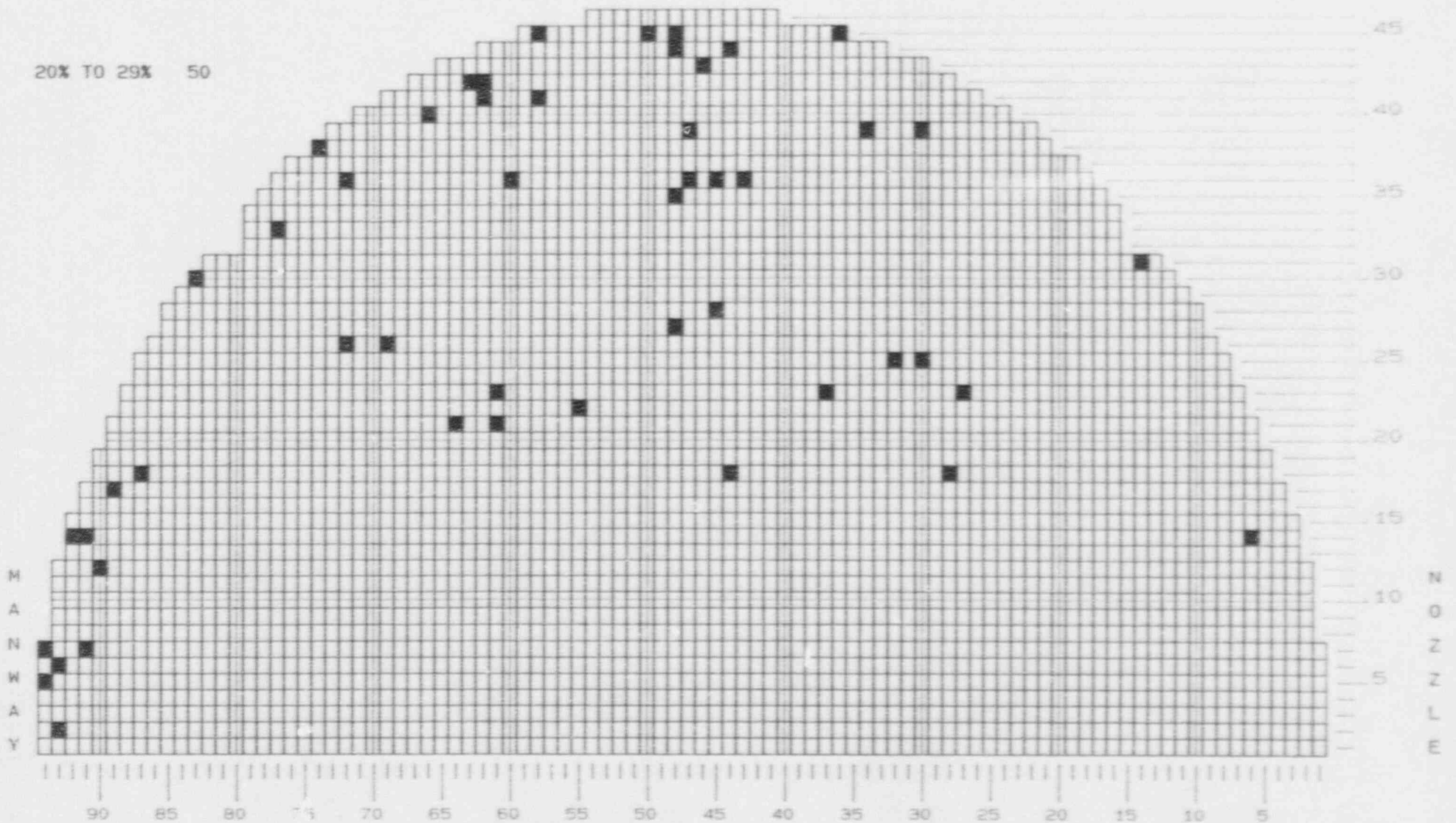
STEAM GENERATOR: 21

GROUPS: All groups included

20% TO 29% for the entire length

CUMULATIVE INDICATIONS REPORT-HOT AND COLD LEGS

PRAIRIE ISLAND, UNIT 2



CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 21
 Leg.....: Hot and Cold legs
 Release..: 2.2
 30% TO 39% for the entire length

Page: 1 of 2
 Date: 03/03/92
 Time: 07:57

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION		CURRENT			
			BEG	END						VOLTS	DEG	%	CH
16	5	C	07H	TEC		1B00000	720ZU	02C+	0.0	1.32	124	30	17
35	17	C	07H	TEC		1B00003	720ZU	01C-	0.2	3.92	110	39	17
25	33	C	07H	TEC		2B00009	720ZU	NV2+	2.0	1.78	0	31	18
		C	07H	TEC		2B00009	720ZU	NV2+	20.7	1.67	0	30	18
44	34	C	07H	TEC		2B00009	720ZU	05C-	0.1	1.13	124	31	17
45	36	C	07H	TEC		4B00011	720ZU	02C+	0.1	1.59	124	33	17
28	45	C	07H	TEC		5B00014	720ZU	07H+	28.9	1.90	0	31	18
44	46	C	07H	TEC		5B00014	720ZU	01C-	0.2	4.39	120	37	17
36	47	C	07H	TEC		5B00014	720ZU	07H+	34.1	1.91	0	31	18
35	48	C	07H	TEC		5B00015	720ZU	07H+	34.0	2.04	0	34	18
29	50	C	07H	TEC		5B00015	720ZU	NV2+	1.2	2.04	0	34	18
		C	07H	TEC		5B00015	720ZU	NV2+	24.2	2.74	0	39	18
41	53	C	07H	TEC		6B00016	720ZU	01C-	0.2	2.73	117	32	17
44	55	C	07H	TEC		6B00017	720ZU	TSC+	5.6	2.23	142	36	1
44	56	C	07H	TEC		6B00018	720ZU	01C-	0.1	1.48	112	37	17
43	58	C	07H	TEC		6B00018	720ZU	01C-	0.1	2.25	112	37	17
43	59	C	07H	TEC		6B00019	720ZU	01C+	0.0	2.36	121	35	17
36	63	C	07H	TEC		7B00020	720ZU	NV2+	3.0	2.43	0	37	18
21	65	H	07H	TEH		7A00022	720ZW	05H+	22.7	1.05	139	33	1
25	71	H	07H	TEH		8A00024	720ZW	TSH+	5.2	1.28	143	32	1
39	71	C	07H	TEC		7B00022	720ZU	01C-	0.3	2.67	118	36	17
26	72	C	07H	TEC		7B00023	720ZU	NV2+	22.0	1.75	0	32	18

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 21
Leg.....: Hot and Cold legs
Release...: 2.2
30% TO 39% for the entire length

Page: 2 of 2
Date: 03/03/92
Time: 07:57

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION		CURRENT			
			BEG	END						VOLTS	DEG	%	CH
5	74	H	07H	TEH		8A00025	7202W	01H+	19.5	0.99	143	32	1
32	78	C	07H	TEC		8B00024	720ZU	01C-	0.1	3.10	118	34	17
31	79	C	07H	TEC		8B00024	720ZU	01C-	0.2	1.64	127	31	17
29	84	C	07H	TEC		9B00026	720ZU	01C-	0.1	3.61	123	39	17
23	86	C	07H	TEC		9B00026	720ZU	01C+	0.0	3.38	127	35	17
4	94	C	07H	TEC		9B00028	700ZS	01C-	0.1	1.86	123	30	17

NUMBER OF TUBES IN REPORT = 26

NSP

DATE: 03/03/92

TIME: 07:59

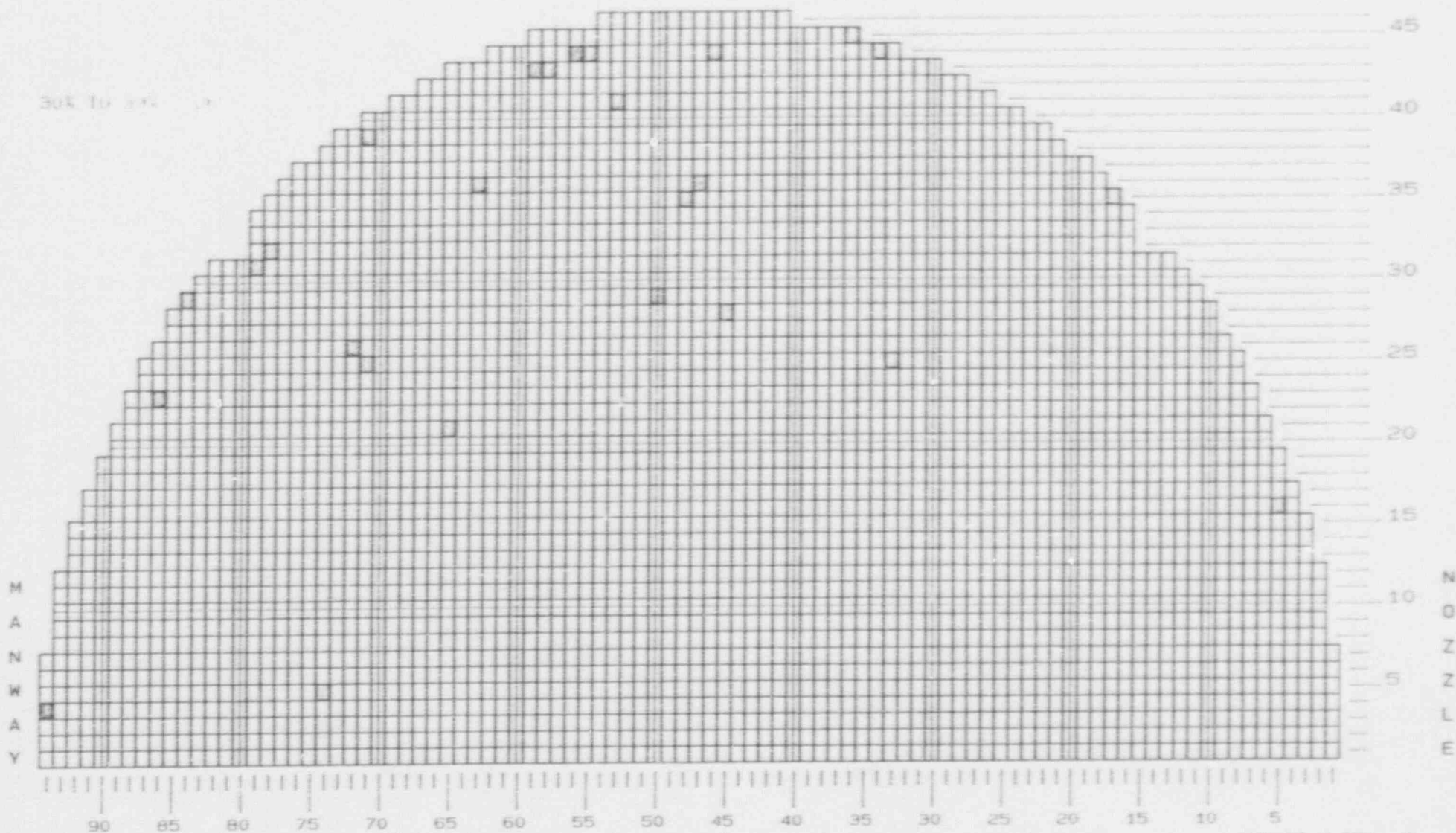
STEAM GENERATOR: 21

GROUPS: All groups included

30% TO 39% for the entire length

CUMULATIVE INDICATIONS REPORT-HOT AND COLD LEGS

PRAIRIE ISLAND, UNIT 2



CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 21
Leg.....: Hot and Cold legs
Release...: 2.2
40% TO 100% for the entire length
CIR,MAI,SAI for the entire length

Page: 1 of 1
Date: 03/03/92
Time: 08:05

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION		CURRENT			
			BEG	END						VOLTS	DEG	%	CH
31	14	C	07H	TEC		1B00001	720ZU	01C+	0.0	1.41	114	42	17
34	77	C	07H	TEC		8B00024	720ZU	01C+	0.2	2.32	102	56	17
6	80	C	07C	TEC		9B00029	700ZS	TSC+	1.6	0.65	128	48	1
28	85	C	07H	TEC		9B00026	720ZU	02C-	0.1	2.32	112	50	17
24	86	C	07H	TEC		9B00026	720ZU	02C-	0.1	2.70	116	46	17
22	88	C	07H	TEC		9B00026	720ZU	01C-	0.0	2.28	117	45	17

NUMBER OF TUBES IN REPORT = 6

NSP

DATE: 03/03/92

TIME: 08:06

STEAM GENERATOR: 21

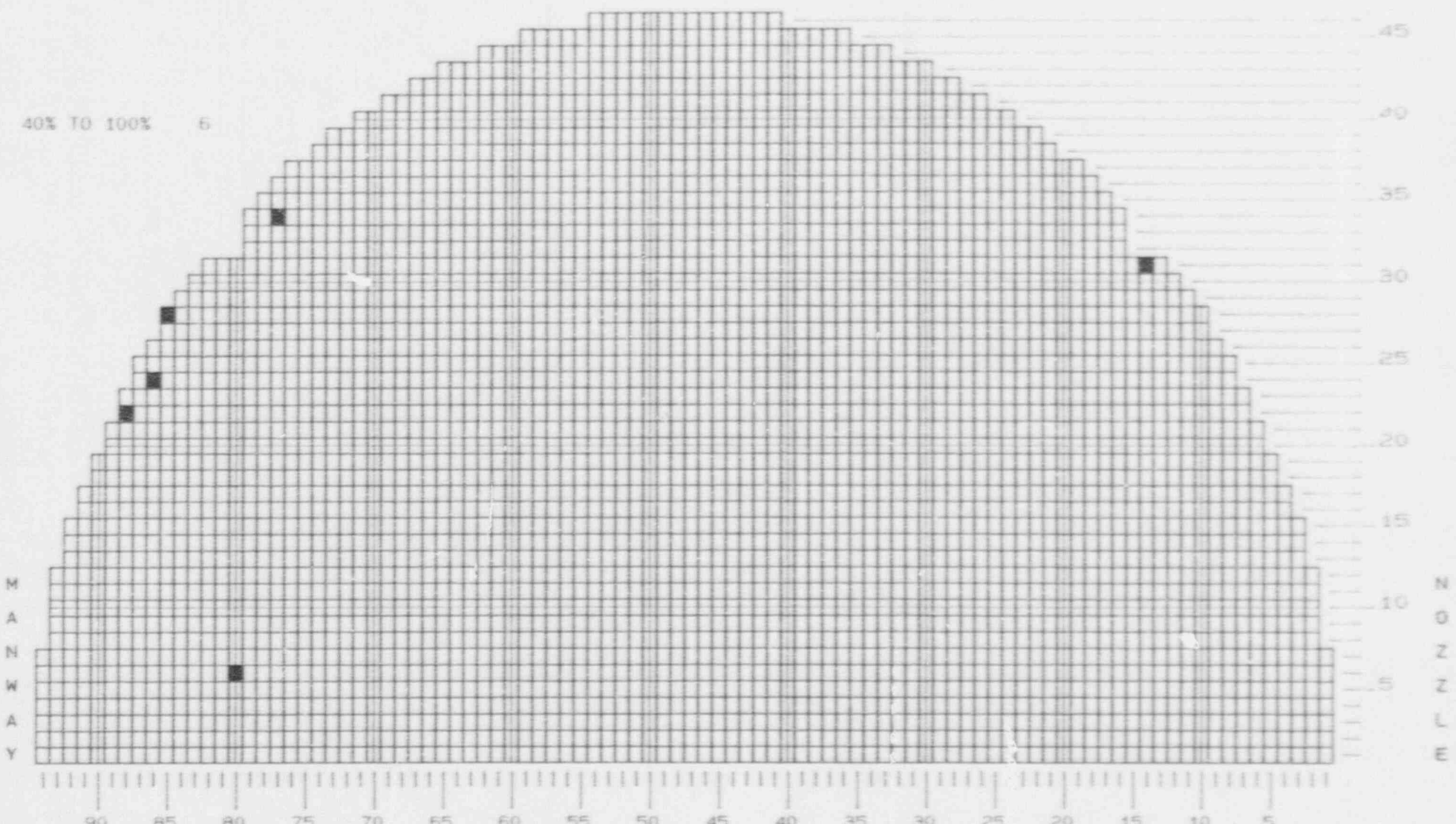
GROUPS: All groups included

40% TO 100% for the entire length

CIR, MAI, SAI for the entire length

CUMULATIVE INDICATIONS REPORT-HOT AND COLD LEGS

PRAIRIE ISLAND, UNIT 2



40% TO 100% 6

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 21
 Leg.....: Hot and Cold legs
 Release..: 2.2
 See title page for report selection criteria.

Page: 1 of 1
 Date: 03/03/92
 Time: 12:35

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION	CURRENT				
			BEG	END					VOLTS	DEG	%	CH	
28	11	H						02/92				PLG	
31	14	H C						02/92 02/92				PLG PLG	
3	21	H						02/92				PLG	
43	33	H						02/92				PLG	
43	42	H						02/92				PLG	
46	52	H						02/92				PLG	
44	59	H						02/92				PLG	
45	59	H						02/92				PLG	
34	77	H C						02/92 02/92				PLG PLG	
6	80	H C						02/92 02/92				PLG PLG	
28	85	H C						02/92 02/92				PLG PLG	
24	86	H C						02/92 02/92				PLG PLG	
22	88	H C						02/92 02/92				PLG PLG	

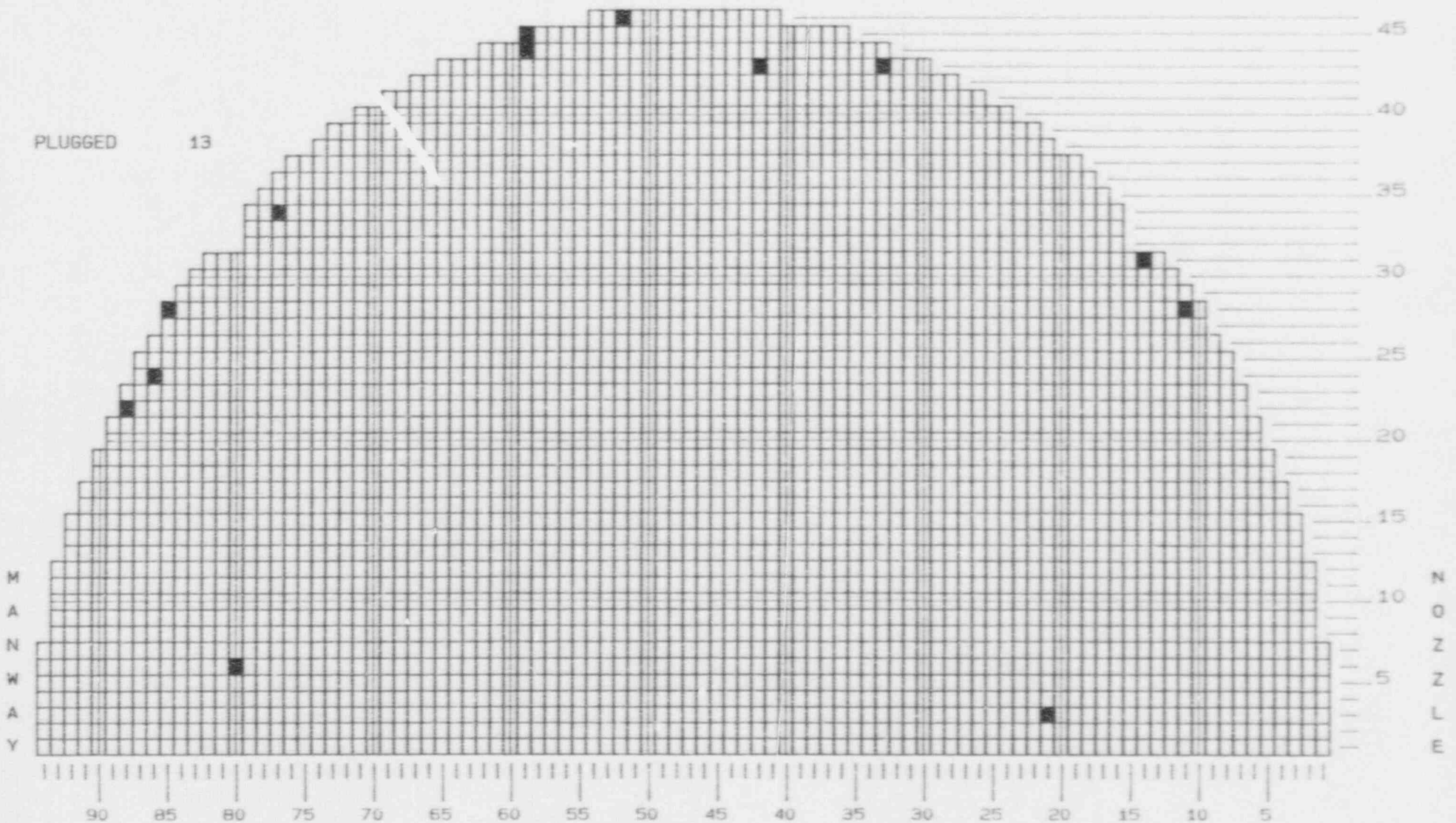
NUMBER OF TUBES IN REPORT = 13

NSP

DATE: 03/03/92
TIME: 12:36
STEAM GENERATOR: 21
GROUPS: All groups included

CUMULATIVE INDICATIONS REPORT-HOT AND COLD LEGS

PRAIRIE ISLAND, UNIT 2



CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 21
 Leg.....: Hot and Cold legs
 Release...: 2.2
 See title page for report selection criteria.

Page: 1 of 6
 Date: 03/03/92
 Time: 12:38

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION	CURRENT				
			BEG	END					VOLTS	DEG	%	CH	
1	1	H C						01/80 01/80				PLG PLG	
23	8	H C						06/82 06/82				PLG PLG	
28	11	C H						02/81 02/92				PLG PLG	
30	12	H C						09/90 09/90				PLG PLG	
30	13	H C						09/90 09/90				PLG PLG	
31	14	H C						02/92 02/92				PLG PLG	
32	16	H C						09/90 09/90				PLG PLG	
35	18	H C						09/90 09/90				PLG PLG	
36	19	H C						08/83 08/83				PLG PLG	
3	21	H C						02/92 03/89				PLG PLG	
13	23	H C						06/82 06/82				PLG PLG	
39	25	H C						09/84 09/84				PLG PLG	
40	25	H C						09/90 09/90				PLG PLG	
39	26	H C						06/82 06/82				PLG PLG	

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 21
 Leg.....: Hot and Cold legs
 Release...: 2.2
 See title page for report selection criteria.

Page: 2 of 6
 Date: 03/03/93
 Time: 12:38

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION	CURRENT			CH
			BEG	END					VOLTS	DEG	%	
40	26	H C						09/85 09/85			PLG PLG	
25	28	H C						06/82 06/82			PLG PLG	
41	28	H C						09/84 09/84			PLG PLG	
42	28	H C						09/84 09/84			PLG PLG	
42	29	H C						09/85 09/85			PLG PLG	
41	30	H C						09/85 09/85			PLG PLG	
43	33	C H						02/81 02/92			PLG PLG	
25	34	H C						09/84 09/84			PLG PLG	
29	37	H C						09/84 09/84			PLG PLG	
45	37	H C						09/84 09/84			PLG PLG	
45	38	H C						09/90 09/90			PLG PLG	
44	39	H C						09/90 09/90			PLG PLG	
45	39	H C						08/83 08/83			PLG PLG	
45	40	H C						09/84 09/84			PLG PLG	

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 21
 Leg.....: Hot and Cold legs
 Release...: 2.2
 See title page for report selection criteria.

Page: 3 of 6
 Date: 03/03/92
 Time: 12:38

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION	CURRENT			CH
			BEG	END					VOLTS	DEG	%	
43	41	H C						09/84 09/84			PLG PLG	
43	42	H C						02/92 03/89			PLG PLG	
44	43	H C						09/85 09/85			PLG PLG	
36	44	H C						09/84 09/84			PLG PLG	
45	44	H C						08/83 08/83			PLG PLG	
29	45	H C						06/82 06/82			PLG PLG	
23	46	H C						06/82 06/82			PLG PLG	
45	46	H C						09/84 09/84			PLG PLG	
29	48	H C						06/82 06/82			PLG PLG	
45	49	H C						06/82 06/82			PLG PLG	
44	52	H C						09/84 09/84			PLG PLG	
45	52	H C						06/82 06/82			PLG PLG	
46	52	C H						02/81 02/92			PLG PLG	
44	53	C H						01/88 09/90			PLG PLG	

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 21
 Leg.....: Hot and Cold legs
 Release...: 2.2
 See title page for report selection criteria.

Page: 4 of 6
 Date: 03/03/92
 Time: 12:38

ROW	COL	LEG	EXTENT		REM	K. EL	PROBE	LOCATION	CURRENT				
			BEG	END					VOLTS	DEG	%	CH	
46	53	H C						06/82 06/82				PLG PLG	
44	54	H C						09/84 09/84				PLG PLG	
45	54	H C						09/84 09/84				PLG PLG	
44	57	H C						08/83 08/83				PLG PLG	
25	58	H C						06/82 06/82				PLG PLG	
44	59	C H						02/81 02/92				PLG PLG	
45	59	H C						02/92 03/89				PLG PLG	
44	60	H C						06/82 06/82				PLG PLG	
42	61	H C						09/90 10/86				PLG PLG	
43	62	H C						09/84 09/84				PLG PLG	
43	63	H C						08/83 08/83				PLG PLG	
41	67	H C						09/84 09/84				PLG PLG	
27	69	H C						09/84 09/84				PLG PLG	
40	69	H C						09/84 09/84				PLG PLG	

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 21
 Leg.....: Hot and Cold legs
 Release..: 2.2
 See title page for report selection criteria.

Page: 5 of 6
 Date: 03/03/92
 Time: 12:38

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION	CURRENT			
			BEG	END					VOLTS	DEG	%	CH
39	70	H C						06/82 06/82				PLG PLG
37	72	H C						09/90 09/90				PLG PLG
39	73	H C						09/90 10/86				PLG PLG
36	76	H C						09/90 09/90				PLG PLG
37	76	H C						09/84 09/84				PLG PLG
34	77	H C						02/92 02/92				PLG PLG
35	78	H C						01/80 01/80				PLG PLG
1	79	H C						09/85 09/85				PLG PLG
32	79	H C						06/82 06/82				PLG PLG
6	80	H C						02/92 02/92				PLG PLG
21	85	H C						09/85 09/85				PLG PLG
25	85	H C						09/90 09/90				PLG PLG
28	85	H C						02/92 02/92				PLG PLG
24	86	H C						02/92 02/92				PLG PLG

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 21
 Leg.....: Hot and Cold legs
 Release..: 2.2
 See title page for report selection criteria.

Page
 Date
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ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION	CURRENT				
			BEG	END					VOLTS	DEG	%	CH	
20	87	H C						09/84 09/84				PLG PLG	
21	83	C H						01/88 09/90				PLG PLG	
22	88	H C						02/92 02/92				PLG PLG	
18	89	H C						09/85 09/85				PLG PLG	
19	89	H C						09/90 10/86				PLG PLG	
14	90	H C						09/90 10/86				PLG PLG	
9	91	H C						06/82 06/82				PLG PLG	
10	91	H C						09/90 09/90				PLG PLG	
1	94	H C						01/80 01/80				PLG PLG	

NUMBER OF TUBES IN REPORT = 79

NSP

DATE: 03/03/92

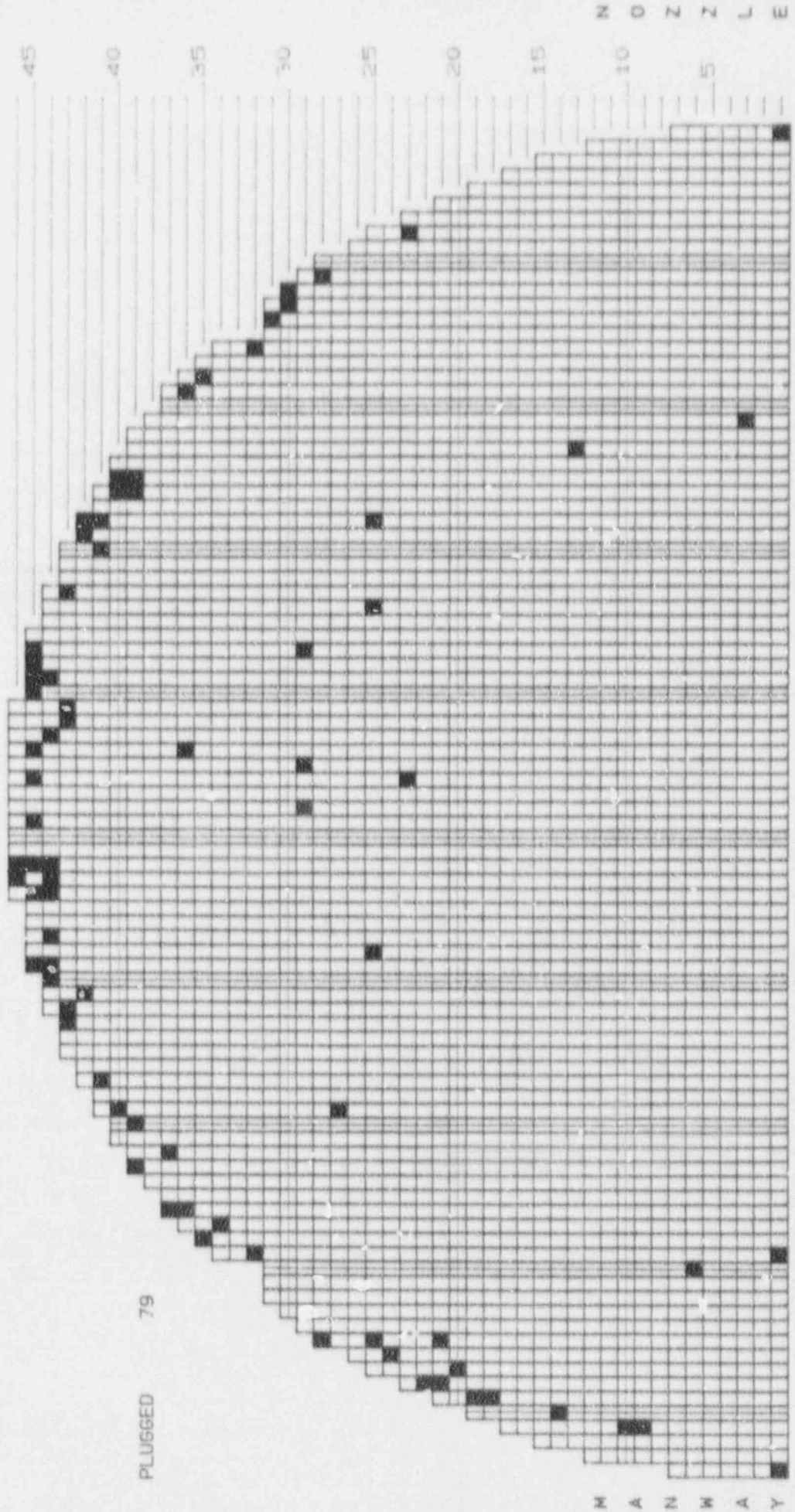
TIME: 12: 43

STEAM GENERATOR: 21

GROUPS: All groups included

CUMULATIVE INDICATIONS REPORT-HOT AND COLD LEGS

PRAIRIE ISLAND, UNIT 2



N O Z Z L E

CUMULATIVE INDICATIONS REPORT
PPAIRIE ISLAND, UNIT 2

Generator: 22
Leg.....: Hot and Cold legs
Release..: 2.2
0% TO 19% for the entire length

Page: 1 of 3
Date: 03/03/92
Time: 08:40

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION		CURRENT			
			BEG	END						VOLTS	DEG	%	CH
12	3	C	07H	TEC		1B00000	720ZU	02C+	0.0	2.02	128	15	17
16	4	C	07H	TEC		1B00000	720ZU	01C+	0.1	1.92	133	14	17
19	6	C	07H	TEC		1B00000	720ZU	02C+	0.1	1.20	133	4	17
21	7	C	07H	TEC		1B00000	720ZU	01C+	0.0	1.39	129	13	17
		C	07H	TEC		1B00000	720ZU	02C+	0.0	1.34	132	7	17
20	10	C	07H	TEC		1B00000	720ZU	01C+	0.0	1.37	128	15	17
28	12	C	07H	TEC		1B00001	720ZU	01C-	0.2	1.02	130	11	17
30	15	C	07H	TEC		1B00001	720ZU	01C+	0.0	2.67	127	16	17
30	19	C	07H	TEC		1B00002	720ZU	01C-	0.2	1.17	142	7	17
32	20	C	07H	TEC		1B00002	720ZU	01C-	0.2	0.86	135	17	17
29	24	H	07H	TEH		2A00006	720ZW	01H-	0.1	0.61	133	15	17
41	26	C	07H	TEC		2B00005	720ZU	01C+	0.0	0.49	141	17	17
38	27	C	07H	TEC		2B00005	720ZU	02C-	0.1	0.50	148	7	17
19	34	C	07H	TEC		2B00007	720ZU	NV1+	0.0	0.51	0	12	18
17	35	H	07H	TEH		3A00011	720ZW	02H+	0.1	0.76	121	18	17
43	35	C	07H	TEC		2B00007	720ZU	02C-	0.1	0.90	136	14	17
44	36	C	07H	TEC		3B00008	720ZU	02C+	0.0	1.22	136	12	17
44	38	C	07H	TEC		3B00009	720ZU	02C+	0.1	1.68	133	18	17
44	39	C	07H	TEC		3B00009	720ZU	02C-	0.1	1.07	138	9	17
22	42	H	07H	TEH		6A00020	720ZW	05H+	0.1	0.63	139	6	17
33	42	C	07H	TEC		3B00011	720ZU	NV1+	0.0	0.49	0	12	18
44	42	C	07H	TEC		3B00011	720ZU	02C-	0.1	2.08	132	11	17

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 22
Leg.....: Hot and Cold legs
Release..: 2.2
0% TO 19% for the entire length

Page: 2 of 3
Date: 03/03/92
Time: 08:40

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION		CURRENT			
			BEG	END						VOLTS	DEG	%	CH
46	42	C	07H	TEC		3B00011	720ZU	02C-	0.1	1.56	135	8	17
45	48	C	07H	TEC		4B00013	720ZU	02C-	0.1	1.87	130	18	17
41	51	H	07H	TEH		7A00024	720ZW	01H-	0.2	0.81	139	11	17
46	51	C	07H	TEC		4B00014	720ZU	01C-	0.2	0.76	136	3	17
45	52	C	07H	TEC		4B00015	720ZU	01C+	0.1	1.36	136	19	17
40	53	C	07H	TEC		4B00015	720ZU	01C+	0.1	1.23	139	14	17
46	53	C	07H	TEC		4B00015	720ZU	02C-	0.1	0.83	147	1	17
43	56	C	07H	TEC		5B00016	720ZU	01C+	0.0	2.44	132	13	17
43	58	C	07H	TEC		5B00017	720ZU	01C-	0.2	1.07	139	1	17
41	60	C	07H	TEC		5B00017	720ZU	02C-	0.1	2.25	138	1	17
42	60	C	07H	TEC		5B00018	720ZU	01C-	0.0	0.99	152	1	17
		C	07H	TEC		5B00018	720ZU	02C-	0.1	0.90	144	3	17
43	60	C	07H	TEC		5B00018	720ZU	02C+	0.1	1.01	141	8	17
24	61	H	07H	TEH		9A00028	720ZW	02H-	0.1	1.05	138	3	17
44	61	C	07H	TEC		5B00018	720ZU	02C-	0.1	0.62	145	1	17
43	63	C	07H	TEC		5B00018	720ZU	02C-	0.3	1.40	144	3	17
39	64	C	07H	TEC		6B00019	720ZU	02C-	0.2	1.73	129	8	17
40	66	C	06H	TEC		6B00019	720ZU	02C+	0.1	1.97	138	5	17
16	71	C	07H	TEC		6B00021	720ZU	NV3-	0.3	0.87	0	18	18
38	71	C	07H	TEC		6B00021	720ZU	02C-	0.1	1.08	150	4	17
37	72	C	07H	TEC		6B00021	720ZU	02C-	0.2	1.57	149	6	17
16	75	H	07H	TEH		9A00033	720ZW	01H+	0.0	1.12	137	16	17

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 22
 Leg.....: Hot and Cold legs
 Release...: 2.2
 0% TO 19% for the entire length

Page: 3 of 3
 Date: 03/03/92
 Time: 08:40

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION	CURRENT			
			BEG	END					VOLTS	DEG	%	CH
14	76	H	07H	TEH		9A00033	720ZW	06H- 0.3	0.72	136	18	17
32	76	C	07H	TEC		7B00026	720ZU	02C+ 0.0	0.82	148	5	17
34	78	C	07H	TEC		7B00027	720ZU	01C- 0.3	0.83	146	8	17
30	79	C	06H	TEC		7B00027	720ZU	01C+ 0.0	1.33	146	12	17
29	84	C	07H	TEC		7B00028	720ZU	02C- 0.2	1.10	158	7	17
24	85	C	07H	TEC		7B00028	720ZU	01C- 0.1	0.92	161	4	17
28	85	C	07H	TEC		7B00028	720ZU	01C- 0.2	1.30	135	17	17
20	87	C	07H	TEC		7B00028	720ZU	01C- 0.1	1.44	151	15	17
14	88	C	07H	TEC		7B00029	720ZU	02C- 0.1	1.29	134	17	17
16	89	C	07H	TEC		7B00029	720ZU	01C- 0.3	0.87	134	17	17
1	91	C	07C	TEC		9B00035	700ZS	01C+ 0.1	1.00	145	14	17
12	91	C	07H	TEC		7B00029	720ZU	01C+ 0.0	1.20	142	5	17
1	92	C	07C	TEC		9B00035	700ZS	01C+ 0.1	1.06	145	14	17
7	92	C	07H	TEC		9B00035	700ZS	01C+ 0.0	1.39	152	6	17
9	92	C	07H	TEC		9B00035	700ZS	01C+ 0.0	0.98	145	14	17
5	93	H	07H	TEH		11A00038	720ZW	05H+ 0.0	0.49	136	10	17
4	94	C	07H	TEC		9B00035	700ZS	02C- 0.1	0.94	147	12	17

NUMBER OF TUBES IN REPORT = 59

NSP

DATE: 03/03/92

TIME: 08:42

STEAM GENERATOR: 22

GROUPS: All groups included

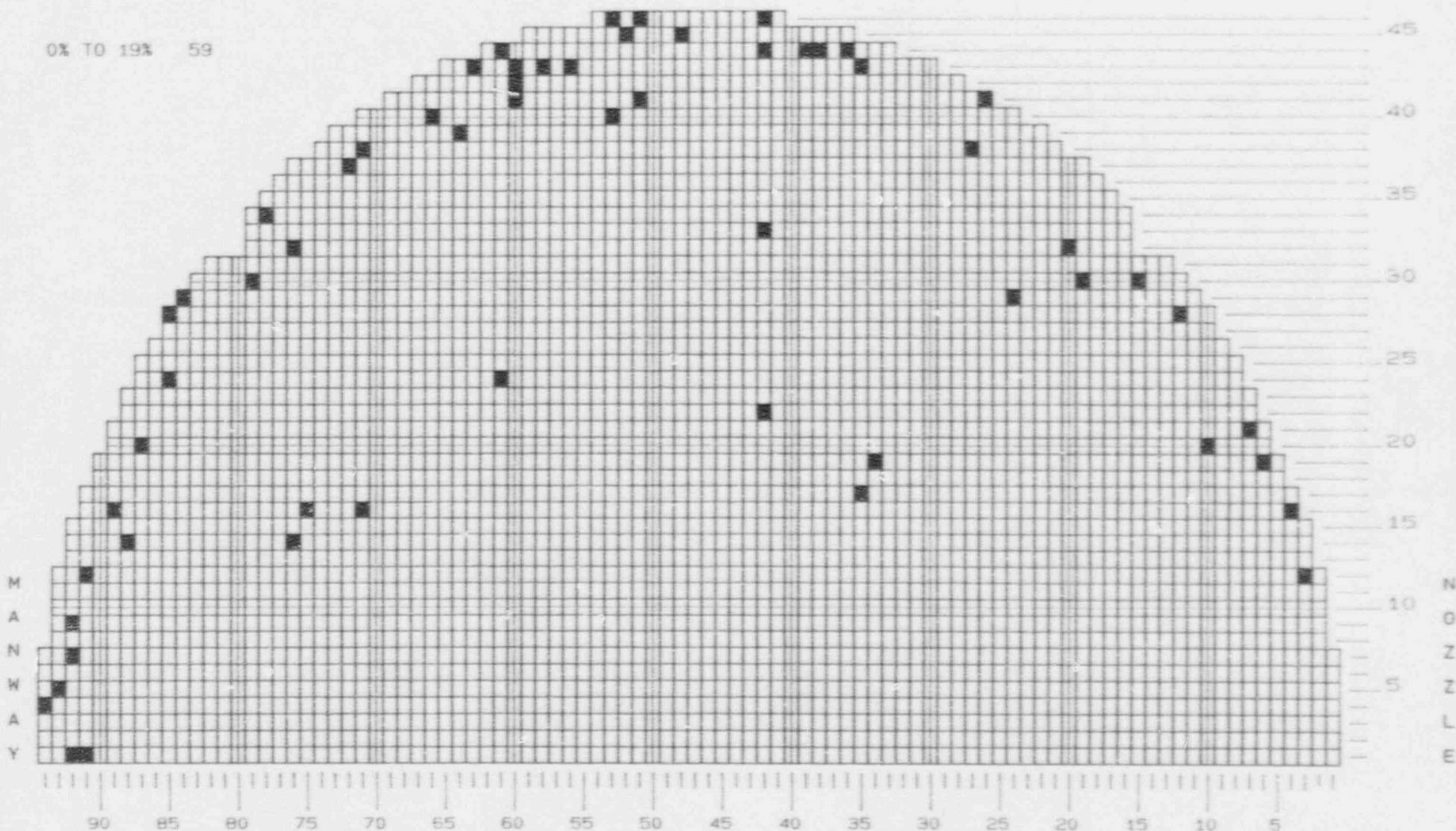
0% TO 19% for the entire length

CUMULATIVE INDICATIONS REPORT-HOT AND COLD LEGS

PRAIRIE ISLAND, UNIT 2



0% TO 19% 59



CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 22
Leg.....: Hot and Cold legs
Release..: 2.2
20% TO 29% for the entire length

Page: 1 of 3
Date: 03/03/92
Time: 08:45

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION	CURRENT				
			BEG	END					VOLTS	DEG	%	CH	
17	5	C	07H	TEC		1B00000	720ZU	01C+	0.1	1.84	130	20	17
27	11	C	07H	TEC		1B00001	720ZU	02C+	0.1	0.85	135	22	17
29	13	C	07H	TEC		1B00001	720ZU	01C-	0.1	1.33	135	22	17
31	13	C	07H	TEC		1B00001	720ZU	01C-	0.2	2.08	122	25	17
34	17	C	07H	TEC		1B00002	720ZU	01C-	0.2	2.03	126	29	17
		C	07H	TEC		1B00002	720ZU	02C-	0.1	0.85	126	29	17
31	19	C	07H	TEC		1B00002	720ZU	01C-	0.3	1.83	134	21	17
30	21	C	07H	TEC		1B00003	720ZU	01C+	0.2	1.10	133	23	17
38	25	C	07H	TEC		2B00005	720ZU	01C+	0.1	0.89	135	25	17
44	34	C	07H	TEC		2B00007	720ZU	02C-	0.1	0.72	130	23	17
38	36	C	07H	TEC		3B00008	720ZU	NV2+	2.6	0.93	0	20	18
45	39	C	07H	TEC		3B00009	720ZU	02C-	0.1	1.98	127	28	17
44	40	C	07H	TEC		3B00009	720ZU	02C+	0.0	3.60	130	23	17
45	41	C	07H	TEC		3B00009	720ZU	01C-	0.1	2.23	124	25	17
37	43	C	07H	TEC		3B00011	720ZU	NV4+	3.6	1.28	0	26	18
45	44	C	07H	TEC		4B00012	720ZU	02C+	0.1	1.64	123	26	17
32	46	C	07H	TEC		4B00012	720ZU	NV2+	0.4	0.95	0	21	18
		C	07H	TEC		4B00012	720ZU	NV2+	26.8	0.96	0	20	18
38	46	C	07H	TEC		4B00012	720ZU	07H+	35.9	1.21	0	23	18
		C	07H	TEC		4B00012	720ZU	NV4+	3.0	1.02	0	21	18
36	47	C	07H	TEC		4B00012	720ZU	NV2+	1.7	0.95	0	21	18
37	47	C	07H	TEC		7B00029	720ZU	NV4+	3.4	1.67	0	29	18

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 22
Leg.....: Hot and Cold legs
Release...: 2.2
20% TO 29% for the entire length

Page: 3 of 3
Date: 03/03/92
Time: 08:46

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION		CURRENT			
			BEG	END						VOLTS	DEG	%	CH
40	47	C	07H	TEC		4B00012	720ZU	07H+	34.2	1.11	0	23	18
		C	07H	TEC		4B00012	720ZU	NV2+	2.7	1.36	0	27	18
		C	07H	TEC		4B00012	720ZU	NV2+	36.1	1.20	0	24	18
38	48	C	07H	TEC		4B00013	720ZU	NV2+	2.2	1.36	0	25	18
44	48	C	07H	TEC		4B00013	720ZU	01C-	0.0	1.22	127	20	17
33	50	C	07H	TEC		7B00029	720ZU	NV2+	28.4	1.13	0	22	18
37	51	C	07H	TEC		4B00014	720ZU	NV2+	2.3	1.02	0	21	18
		C	07H	TEC		4B00014	720ZU	NV2+	33.0	0.98	0	20	18
33	52	C	07H	TEC		4B00014	720ZU	NV1-	0.6	1.01	0	20	18
36	54	C	07H	TEC		5B00016	720ZU	NV4+	3.6	1.27	0	24	18
39	54	C	07H	TEC		5B00016	720ZU	07H+	34.6	1.04	0	21	18
39	55	C	06H	TEC		5B00016	720ZU	NV2+	4.1	0.98	0	20	18
43	55	C	07H	TEC		5B00016	720ZU	02C+	0.1	0.74	127	24	17
45	55	C	07H	TEC		5B00016	720ZU	02C+	0.0	3.26	127	24	17
36	56	C	07H	TEC		5B00016	720ZU	NV2+	33.2	1.21	0	23	18
38	56	C	07H	TEC		5B00016	720ZU	NV2+	35.4	0.98	0	20	18
38	57	C	07H	TEC		5B00016	720ZU	07H+	34.3	0.98	0	20	18
35	58	C	07H	TEC		5B00017	720ZU	07H+	32.8	3.40	0	24	18
40	59	C	07H	TEC		5B00017	720ZU	07H+	33.5	2.82	0	21	18
		C	07H	TEC		5B00017	720ZU	NV2+	3.8	2.67	0	21	18
41	61	C	07H	TEC		5B00018	720ZU	02C-	0.1	1.12	126	29	17
38	64	C	06H	TEC		6B00019	720ZU	NV2+	34.6	1.63	0	29	18
42	65	C	07H	TEC		6B00019	720ZU	02C-	0.1	1.20	141	20	17

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 22
 Leg.....: Hot and Cold legs
 Release...: 2.2
 20% TO 29% for the entire length

Page: 3 of 3
 Date: 03/03/92
 Time: 08:46

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION		CURRENT			
			BEG	END						VOLTS	DEG	%	CH
32	67	C	07H	TEC		6B00019	720ZU	NV2+	28.4	1.29	0	25	18
32	69	C	07H	TEC		6B00020	720ZU	NV2+	28.5	1.02	0	20	18
41	69	C	07H	TEC		6B00020	720ZU	02C-	0.0	1.30	132	29	17
36	73	C	07H	TEC		6B00021	720ZU	NV2+	31.5	1.22	0	23	18
37	74	C	07H	TEC		7B00024	720ZU	02C-	0.1	1.75	143	23	17
23	75	H	07H	TEH		9A00033	720ZW	01H+	0.0	1.35	132	22	17
33	76	C	07H	TEC		7B00026	720ZU	01C-	0.1	1.67	131	29	17
30	81	C	07H	TEC		7B00027	720ZU	01C-	0.1	3.14	140	21	17
28	85	C	07H	TEC		7B00028	720ZU	01C+	0.1	1.40	133	20	17
26	86	C	07H	TEC		7B00028	720ZU	02C-	0.1	1.86	143	23	17
22	87	C	07H	TEC		7B00028	720ZU	02C-	0.1	2.27	137	29	17
22	88	C	07H	TEC		7B00029	720ZU	02C-	0.2	2.04	130	23	17
16	89	C	07H	TEC		7B00029	720ZU	02C-	0.1	1.82	125	29	17
17	89	C	07H	TEC		7B00029	720ZU	01C-	0.0	1.80	128	25	17
12	90	C	07H	TEC		7B00029	720ZU	01C-	0.1	1.43	132	20	17
16	90	C	07H	TEC		7B00029	720ZU	01C-	0.1	1.71	129	24	17
7	91	C	07H	TEC		9B00035	700ZS	01C-	0.0	1.88	134	26	17
6	92	C	07H	TEC		9B00035	700ZS	02C+	0.0	1.61	139	24	17
4	93	C	07H	TEC		9B00035	700ZS	02C+	0.0	0.80	132	29	17

NUMBER OF TUBES IN REPORT = 57

NSP

DATE: 03/03/92

TIME: 08:48

STEAM GENERATOR: 22

GROUPS: All groups included

20% TO 29% for the entire length

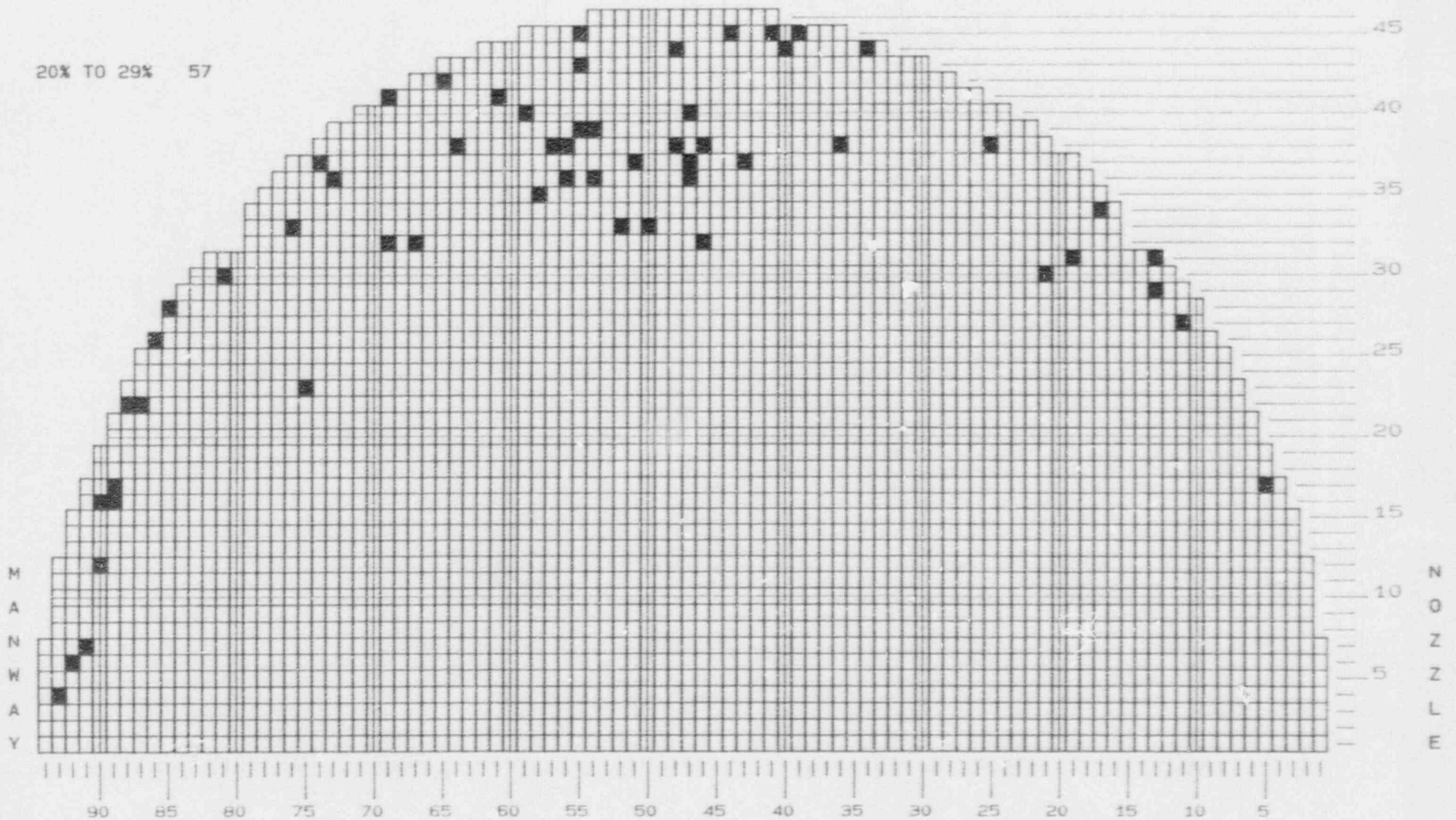
CUMULATIVE INDICATION

AND COLD LEGS

PRAIRIE



20% TO 29% 57



CUMULATIVE INDICATIONS REPORT
RAIRIE ISLAND, UNIT 2

Generator: 22
 Leg.....: Hot and Cold legs
 Release...: 2.2
 30% TO 39% for the entire length

Page: 1 of 2
 Date: 03/03/92
 Time: 08:50

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION	CURRENT				
			BEG	END					VOLTS	DEG	%	CH	
20	6	C	07H	TEC		1B00000	720ZU	01C-	0.1	1.34	119	30	17
25	9	C	07H	TEC		1B00000	720ZU	01C+	0.0	2.89	113	39	17
29	14	C	07H	TEC		1B00001	720ZU	01C+	0.0	4.71	123	39	17
36	22	C	07H	TEC		1B00003	720ZU	02C+	0.1	0.95	126	33	17
37	24	C	07H	TEC		1B00004	720ZU	01C-	0.2	1.66	123	35	17
38	25	C	07H	TEC		2B00005	720ZU	02C-	0.1	1.18	131	30	17
40	26	C	07H	TEC		2B00005	720ZU	01C+	0.1	1.50	125	37	17
39	29	C	07H	TEC		2B00006	720ZU	02C-	0.1	0.63	128	31	17
45	38	C	07H	TEC		3B00009	720ZU	01C+	0.2	2.26	124	32	17
37	43	C	07H	TEC		3B00011	720ZU	NV2+	32.6	1.82	0	32	18
37	47	C	07H	TEC		4B00012	720ZU	NV4+	3.2	1.82	0	30	18
40	47	C	07H	TEC		4B00012	720ZU	NV4+	0.0	1.70	0	31	18
45	50	C	07H	TEC		4B00014	720ZU	01C+	0.1	2.89	121	34	17
44	53	C	07H	TEC		4B00015	720ZU	01C+	0.1	2.08	128	30	17
42	59	C	07H	TEC		5B00017	720ZU	02C-	0.2	2.83	122	30	17
32	64	C	07H	TEC		6B00019	720ZU	NV2+	3.1	1.82	0	31	18
		C	07H	TEC		6B00019	720ZU	NV2+	28.0	1.84	0	31	18
42	64	C	07H	TEC		6B00019	720ZU	02C-	0.1	3.01	132	33	17
41	65	C	07H	TEC		6B00019	720ZU	01C+	0.1	1.44	123	34	17
43	65	C	07H	TEC		6B00019	720ZU	02C-	0.2	3.21	133	32	17
41	66	C	07H	TEC		6B00019	720ZU	02C-	0.1	4.96	119	34	17
40	69	C	07H	TEC		6B00020	720ZU	02C-	0.1	3.04	129	32	17

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 22
 Leg.....: Hot and Cold legs
 Release...: 2.2
 30% TO 39% for the entire length

Page: 2 of 2
 Date: 03/03/92
 Time: 08:50

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION		CURRENT			
			BEG	END						VOLTS	DEG	%	CH
36	70	C	07H	TEC		6B00021	720ZU	NV2+	5.1	2.46	0	35	18
		C	07H	TEC		6B00021	720ZU	NV2+	32.9	2.93	0	38	18
38	71	C	07H	TEC		6B00021	720ZU	01C-	0.1	3.23	123	39	17
40	71	C	07H	TEC		6B00021	720ZU	02C-	0.1	6.09	130	31	17
		C	07H	TEC		10B00040	700ZS	02C-	0.2	4.91	129	31	17
33	75	C	07H	TEC		7B00025	720ZU	01C+	0.0	2.50	124	31	17
35	75	C	07H	TEC		7B00024	720ZU	01C-	0.1	1.93	137	31	17
36	75	C	07H	TEC		7B00024	720ZU	02C-	0.2	3.06	131	38	17
30	79	C	06H	TEC		7B00027	720ZU	02C+	0.1	1.55	134	30	17
29	82	C	07H	TEC		7B00027	720ZU	02C-	0.2	3.93	133	31	17
30	82	C	07H	TEC		7B00027	720ZU	02C-	0.2	2.87	132	32	17
19	89	C	07H	TEC		7B00029	720ZU	01C-	0.1	1.97	121	34	17
11	91	C	07H	TEC		7B00029	720ZU	02C-	0.1	1.99	120	35	17
12	92	C	06H	TEC		7B00029	720ZU	02C-	0.1	0.31	117	39	17
1	93	C	07C	TEC		9B00035	700ZS	01C+	0.1	3.72	123	37	17
4	93	C	07H	TEC		9B00035	700ZS	01C+	0.1	1.99	130	31	17
5	93	C	07H	TEC		9B00035	700ZS	01C+	0.0	0.86	124	37	17

NUMBER OF TUBES IN REPORT = 36

NSP

DATE: 03/03/92

TIME: 08: 52

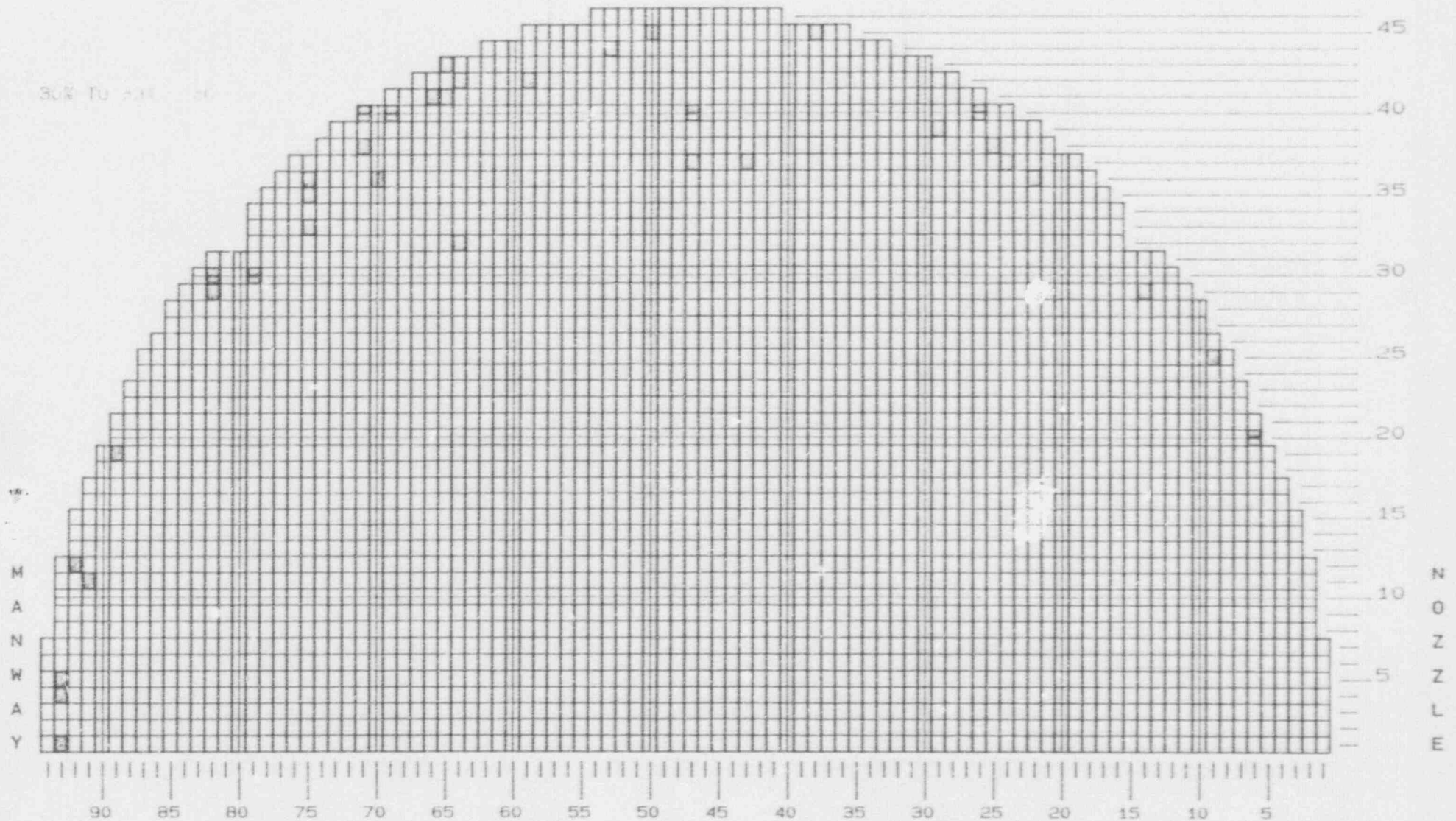
STEAM GENERATOR: 22

GROUPS: All groups included

30% TO 39% for the entire length

CUMULATIVE INDICATIONS REPORT-HOT AND COLD LEGS

PRAIRIE ISLAND, UNIT 2



CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 22
 Leg.....: Hot and Cold legs
 Release...: 2.2
 40% TO 100% for the entire length
 CIR,MAI,SAI for the entire length

Page: 1 of 1
 Date: 03/03/92
 Time: 08:56

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION		CURRENT			
			BEG	END						VOLTS	DEG	%	CH
31	14	C	07H	TEC		1B00001	720ZU	01C-	0.1	2.44	119	43	17
36	19	C	07H	TEC		1B00002	720ZU	01C+	0.0	1.98	113	47	17
37	47	C	07H	TEC		4B00012	720ZU	NV2+	33.2	3.09	0	40	18
37	74	C	07H	TEC		7B00024	720ZU	01C+	0.0	2.26	126	44	17
10	91	C	07H	TEC		9B00035	700ZS	01C+	0.1	1.18	121	42	17
3	93	C	07H	TEC		9B00035	700ZS	01C-	0.3	1.95	118	45	17

NUMBER OF TUBES IN REPORT = 6

NSP

DATE: 03/03/92

TIME: 08:57

STEAM GENERATOR: 22

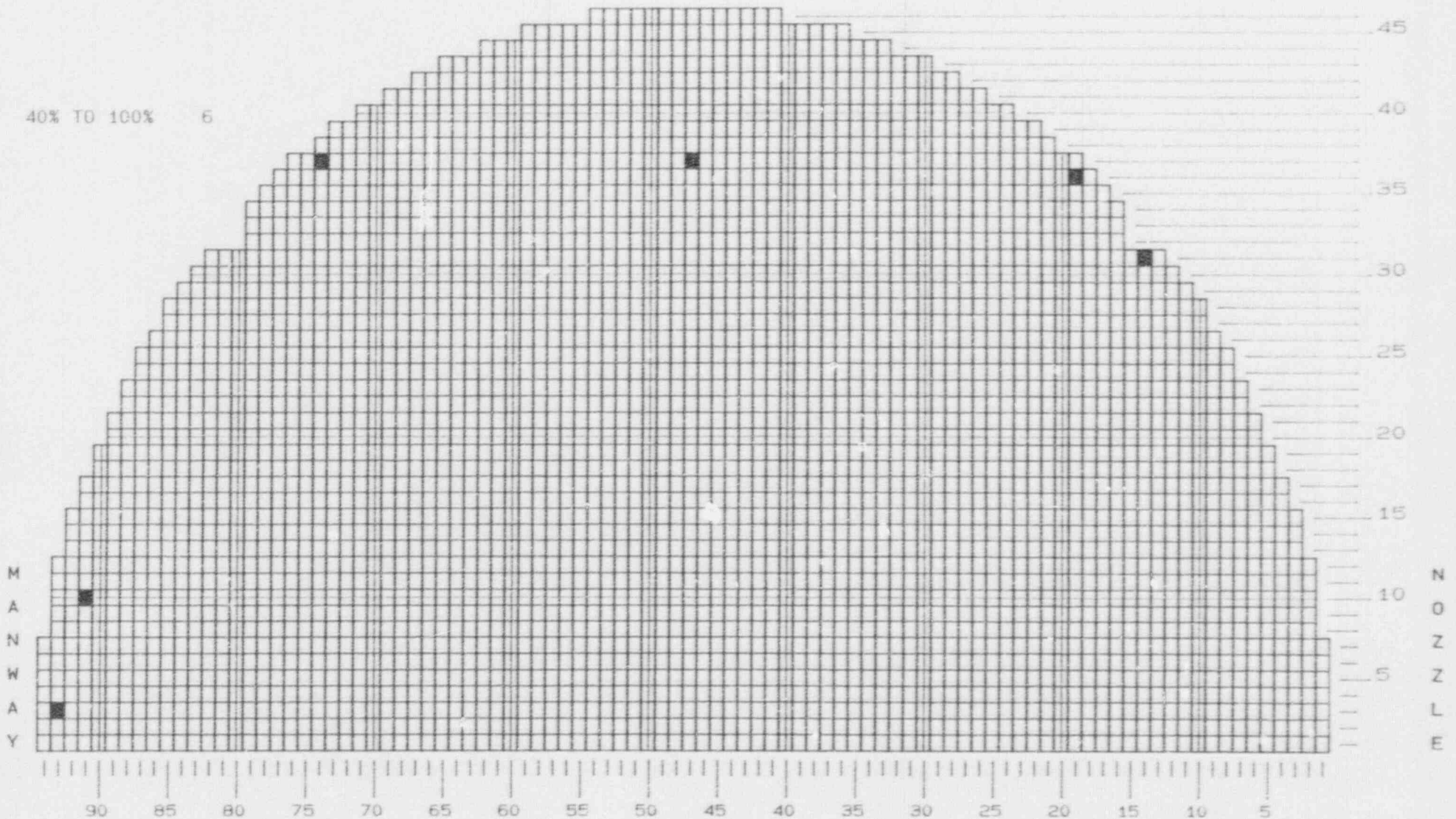
GROUPS: All groups included

40% TO 100% for the entire length

CIR, MAI, SAI for the entire length

CUMULATIVE INDICATIONS REPORT-HOT AND COLD LEGS

PRAIRIE ISLAND, UNIT 2



CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 22
 Leg.....: Hot and Cold legs
 Release...: 2.2
 See title page for report selection criteria.

Page: 1 of 1
 Date: 03/13/92
 Time: 12:38

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION	CURRENT				
			BEG	END					VOLTS	DEG	%	CH	
31	14	H C						02/92 02/92				PLG PLG	
32	18	H						02/92				PLG	
36	19	H C						02/92 02/92				PLG PLG	
45	51	H						02/92				PLG	
40	56	H						02/92				PLG	
40	67	H						02/92				PLG	
42	67	H						02/92				PLG	
37	74	H C						02/92 02/92				PLG PLG	
10	91	H C						02/92 02/92				PLG PLG	
15	91	H						02/92				PLG	
3	93	H C						02/92 02/92				PLG PLG	

NUMBER OF TUBES IN REPORT = 11

NSP

DATE: 03/16/92

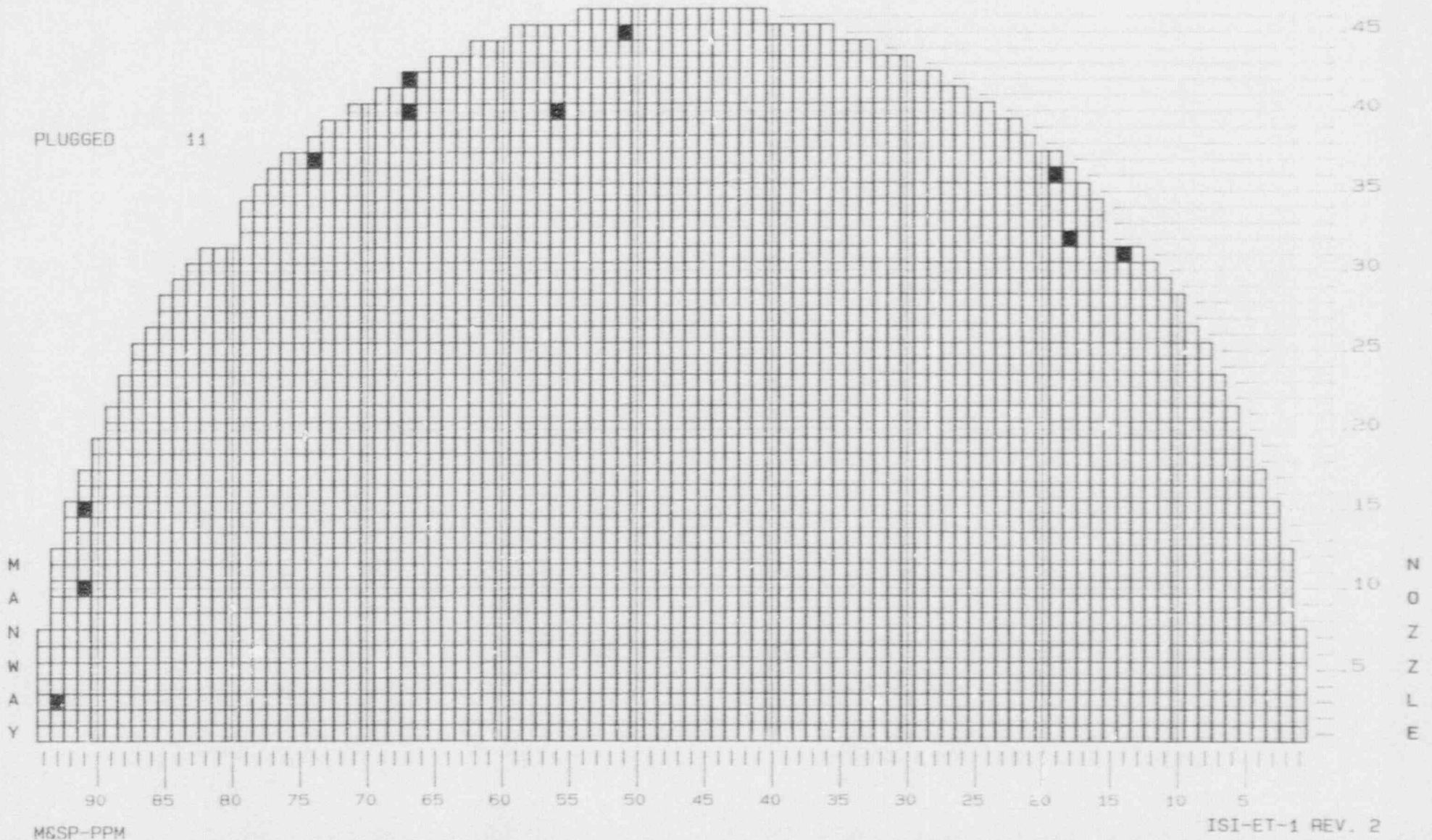
TIME: 12:44

STEAM GENERATOR: 22

GROUPS: All groups included

CUMULATIVE INDICATIONS REPORT-HOT AND COLD LEGS

PRAIRIE ISLAND, UNIT 2



CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 22
 Leg.....: Hot and Cold legs
 Release..: 2.2
 See title page for report selection criteria.

Page: 1 of 12
 Date: 03/13/92
 Time: 12:41

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION	CURRENT			
			BEG	END					VOLTS	DEG	%	CH
1	1	H C						01/80 01/80				PLG PLG
25	11	H C						09/85 09/85				PLG PLG
26	11	H C						09/84 09/84				PLG PLG
29	12	H C						09/90 10/86				PLG PLG
30	12	H C						09/85 09/85				PLG PLG
28	13	H C						09/90 10/86				PLG PLG
30	13	H C						09/83 09/83				PLG PLG
30	14	H C						09/90 10/86				PLG PLG
31	14	H C						02/92 02/92				PLG PLG
28	15	H C						09/85 09/85				PLG PLG
31	15	H C						09/90 09/90				PLG PLG
30	16	H C						09/90 10/86				PLG PLG
31	16	H C						09/84 09/84				PLG PLG
32	16	H C						09/90 09/90				PLG PLG

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 22
 Leg.....: Hot and Cold legs
 Release...: 2.2
 See title page for report selection criteria.

Page: 2 of 12
 Date: 03/13/92
 Time: 12:41

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION	CURRENT			
			BEG	END					VOLTS	DEG	%	CH
33	16	H C						09/84 09/84				PLG PLG
32	17	H C						02/81 02/81				PLG PLG
33	17	H C						09/90 09/90				PLG PLG
35	17	H C						09/90 10/86				PLG PLG
32	18	H C						02/92 09/84				PLG PLG
34	18	H C						01/80 01/80				PLG PLG
35	18	H C						09/84 09/84				PLG PLG
36	18	H C						02/81 02/81				PLG PLG
26	19	H C						06/82 06/82				PLG PLG
32	19	H C						09/83 09/83				PLG PLG
35	19	H C						02/81 02/81				PLG PLG
36	19	H C						02/92 02/92				PLG PLG
34	20	H C						02/81 02/81				PLG PLG
36	20	H C						09/84 09/84				PLG PLG

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 22
 Leg.....: Hot and Cold legs
 Release...: 2.2
 See title page for report selection criteria.

Page: 3 of 12
 Date: 03/13/92
 Time: 12:41

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION	CURRENT			
			BEG	END					VOLTS	DEG	%	CH
37	21	H C						02/81 02/81				PLG PLG
37	22	H C						09/90 09/90				PLG PLG
38	22	H C						06/82 06/82				PLG PLG
13	23	H C						09/83 09/83				PLG PLG
38	23	H C						09/84 09/84				PLG PLG
39	23	H C						09/90 09/90				PLG PLG
38	24	H C						09/90 09/90				PLG PLG
39	24	H C						09/90 10/86				PLG PLG
40	24	H C						06/82 06/82				PLG PLG
39	25	H C						09/90 10/86				PLG PLG
40	25	H C						09/90 09/90				PLG PLG
39	27	H C						06/82 06/82				PLG PLG
40	27	H C						09/85 09/85				PLG PLG
41	27	H C						09/90 10/86				PLG PLG

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 22
 Leg.....: Hot and Cold legs
 Release...: 2.2
 See title page for report selection criteria.

Page: 4 of 12
 Date: 03/13/92
 Time: 12:41

ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION	CURRENT			CH
			BEG	END					VOLTS	DEG	%	
39	28	H C						02/81 02/81			PLG PLG	
41	28	H C						09/83 09/83			PLG PLG	
42	32	H C						09/83 09/83			PLG PLG	
42	33	H C						02/81 02/81			PLG PLG	
44	33	H C						06/82 06/82			PLG PLG	
42	34	H C						01/80 01/80			PLG PLG	
36	35	H C						02/81 02/81			PLG PLG	
44	35	H C						02/81 02/81			PLG PLG	
37	36	H C						02/81 02/81			PLG PLG	
43	36	H C						09/90 10/86			PLG PLG	
45	36	H C						02/81 02/81			PLG PLG	
43	37	H C						01/80 01/80			PLG PLG	
44	37	H C						01/80 01/80			PLG PLG	
45	37	H C						01/80 01/80			PLG PLG	

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 22
 Leg.....: Hot and Cold legs
 Release...: 2.2
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ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION	CURRENT			CH
			BEG	END					VOLTS	DEG	%	
43	41	H C						09/90 10/86			PLG PLG	
44	41	H C						01/80 01/80			PLG PLG	
46	41	H C						09/84 09/84			PLG PLG	
45	42	C H						01/88 09/90			PLG PLG	
44	43	H C						09/90 09/90			PLG PLG	
46	43	H C						02/81 02/81			PLG PLG	
46	45	H C						09/90 10/86			PLG PLG	
33	46	H C						02/81 02/81			PLG PLG	
37	46	H C						02/81 02/81			PLG PLG	
17	47	H C						11/77 11/77			PLG PLG	
44	47	H C						09/90 10/86			PLG PLG	
33	48	H C						09/85 09/85			PLG PLG	
36	48	H C						09/85 09/85			PLG PLG	
46	48	H C						01/80 01/80			PLG PLG	

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 22
 Leg.....: Hot and Cold legs
 Release...: 2.2
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ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION	CURRENT			
			BEG	END					VOLTS	DEG	%	CH
33	49	H C						02/81 02/81				PLG PLG
37	49	H C						02/81 02/81				PLG PLG
45	49	H C						09/90 09/90				PLG PLG
46	49	H C						09/90 10/86				PLG PLG
36	50	H C						09/84 09/84				PLG PLG
46	50	H C						09/85 09/85				PLG PLG
36	51	H C						02/81 02/81				PLG PLG
40	51	H C						02/81 02/81				PLG PLG
45	51	H C						02/92 03/89				PLG PLG
36	52	H C						02/81 02/81				PLG PLG
43	52	H C						09/84 09/84				PLG PLG
36	53	H C						01/81 01/81				PLG PLG
38	53	H C						01/81 01/81				PLG PLG
43	53	H C						01/81 01/81				PLG PLG

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 22
 Leg.....: Hot and Cold legs
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ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION	CURRENT				
			BEG	END					VOLTS	DEG	%	CH	
45	53	H C						09/90 10/86				PLG PLG	
40	54	H C						09/84 09/84				PLG PLG	
44	54	H C						06/82 06/82				PLG PLG	
46	54	H C						06/82 06/82				PLG PLG	
38	55	H C						02/81 02/81				PLG PLG	
42	55	H C						09/90 09/90				PLG PLG	
44	55	H C						09/90 09/90				PLG PLG	
33	56	H C						02/81 02/81				PLG PLG	
40	56	H C						02/92 03/89				PLG PLG	
44	56	H C						09/83 09/83				PLG PLG	
45	56	H C						09/90 09/90				PLG PLG	
33	57	H C						02/81 02/81				PLG PLG	
44	57	H C						09/83 09/83				PLG PLG	
38	58	H C						02/81 02/81				PLG PLG	

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 22
 Leg.....: Hot and Cold legs
 Release...: 2.2
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ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION	CURRENT				
			BEG	END					VOLTS	DEG	%	CH	
44	58	H C						09/83 09/83				PLG PLG	
33	59	H C						02/81 02/81				PLG PLG	
43	59	H C						09/90 09/90				PLG PLG	
44	59	H C						06/82 06/82				PLG PLG	
36	60	H C						02/81 02/81				PLG PLG	
38	60	H C						09/85 09/85				PLG PLG	
40	60	H C						02/81 02/81				PLG PLG	
44	60	H C						09/84 09/84				PLG PLG	
40	61	H C						02/81 02/81				PLG PLG	
42	61	C H						01/88 09/90				PLG PLG	
32	62	H C						02/81 02/81				PLG PLG	
33	62	H C						09/85 09/85				PLG PLG	
43	62	H C						09/84 09/84				PLG PLG	
32	63	H C						02/81 02/81				PLG PLG	

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 22
 Leg.....: Hot and Cold legs
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ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION	CURRENT			CH
			BEG	END					VOLTS	DEG	%	
32	65	H C						06/82 06/82			PLG PLG	
39	66	C H						01/88 09/90			PLG PLG	
33	67	H C						02/81 02/81			PLG PLG	
39	67	H C						02/81 02/81			PLG PLG	
40	67	H C						02/92 03/89			PLG PLG	
41	67	H C						09/83 09/83			PLG PLG	
42	67	H C						02/92 03/89			PLG PLG	
39	68	H C						02/81 02/81			PLG PLG	
41	68	H C						09/90 10/86			PLG PLG	
39	70	H C						09/90 09/90			PLG PLG	
38	72	H C						09/90 10/86			PLG PLG	
39	72	H C						09/90 10/86			PLG PLG	
37	73	H C						09/90 09/90			PLG PLG	
38	73	H C						09/90 10/86			PLG PLG	

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 22
 Leg.....: Hot and Cold legs
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ROW	COL	LEG	EXTENT			REEL	PROBE	LOCATION	CURRENT			
			BEG	END	R.L.A				VOLTS	DEG	%	CH
39	73	H C					09/90 10/86				PLG PLG	
37	74	H C					02/92 02/92				PLG PLG	
38	74	H C					01/80 01/80				PLG PLG	
37	75	H C					06/82 06/82				PLG PLG	
34	76	H C					01/80 01/80				PLG PLG	
36	76	H C					02/81 02/81				PLG PLG	
37	76	H C					09/90 10/86				PLG PLG	
32	77	H C					09/83 09/83				PLG PLG	
34	77	H C					06/82 06/82				PLG PLG	
35	77	H C					09/83 09/83				PLG PLG	
36	77	H C					09/85 09/85				PLG PLG	
31	78	H C					02/81 02/81				PLG PLG	
33	78	H C					01/80 01/80				PLG PLG	
35	78	H C					01/80 01/80				PLG PLG	

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

Generator: 22
 Leg.....: Hot and Cold legs
 Release...: 2.2
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ROW	COL	LEG	EXTENT		REM	REEL	PROBE	LOCATION	CURRENT				
			BEG	END					VOLTS	DEG	%	CH	
31	79	H C						09/83 09/83				PLG PLG	
32	79	H C						02/81 02/81				PLG PLG	
33	79	H C						01/80 01/80				PLG PLG	
34	79	H C						01/80 01/80				PLG PLG	
31	80	H C						09/85 09/85				PLG PLG	
31	81	H C						06/82 06/82				PLG PLG	
31	82	H C						09/84 09/84				PLG PLG	
29	83	H C						09/90 09/90				PLG PLG	
23	85	H C						09/90 09/90				PLG PLG	
25	85	H C						09/83 09/83				PLG PLG	
22	86	H C						09/85 09/85				PLG PLG	
23	87	H C						09/90 09/90				PLG PLG	
18	90	H C						09/83 09/83				PLG PLG	
10	91	H C						02/92 02/92				PLG PLG	

CUMULATIVE INDICATIONS REPORT
PRAIRIE ISLAND, UNIT 2

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ROW	COL	LEG	EXTENT			REEL	PROBE	LOCATION	CURRENT				
			BEG	END	REM				VOLTS	DEG	%	CH	
15	91	H C						02/92 03/89				PLG PLG	
17	91	H C						09/83 09/83				PLG PLG	
3	93	H C						02/92 02/92				PLG PLG	
1	94	H C						01/80 01/80				PLG PLG	

NUMBER OF TUBES IN REPORT = 158

NSP

DATE: 03/03/92

TIME: 14:23

STEAM GENERATOR: 22

GROUPS: All groups included

CUMULATIVE INDICATIONS REPORT-HOT AND COLD LEGS

PRAIRIE ISLAND, UNIT 2

