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EVERS,K.H. Wisconsin Public Service Corp.
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SUBJECT: Forwards revised data point library sheets:pages 4,7,8,22,13 & 14 re emergency response data sys survey.

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June 21, 1991

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

Gentlemen:

Docket 50-305
Operating License DPR-43
Kewaunee Nuclear Power Plant
Emergency Response Data System (ERDS)

Reference: 1) Letter from K. H. Evers (WPSC) to US NRC Document Control Desk dated May 7, 1991

By letter dated May 7, 1991 (reference 1), WPSC submitted a completed ERDS Survey Questionnaire and a completed Data Point Library for the proposed ERDS system at the Kewaunee Nuclear Power Plant.

In a telephone conversation with Mr. John Jolicoeur (NRC) on June 10, 1991, Mr. Jolicoeur requested clarification of four data points that were provided in reference 1. In response to this request for additional information, enclosed are the following revised data point library sheets: pages 4, 7, 8, and 22. In addition, pages 13 and 14 are being resubmitted with only minor changes and an updated index is enclosed.

If there are any additional questions or clarifications requested, please do not hesitate to call any of the contacts listed in the survey questionnaire (reference 1).

9106260240 910621
PDR ADOCK 05000305
F PDR

A001 1/1

Sincerely,

for K. H. Evers
Manager - Nuclear Power

LAS/jms

Attach.

cc - US NRC - Region III
Mr. Patrick Castleman, US NRC
Mr. J. R. Jolicoeur, US NRC

L1C\NRC\N490

	FIELD LENGTH	
DATE:	(8)	06/21/91
REACTOR UNIT:	(3)	KW1
DATA FEEDER:	(10)	N/A
NRC ERDS PARAM:	(12)	REAC VES LEV
POINT ID:	(12)	L8024G
PLANT SPEC PT DESC:	(40)	REACTOR VESSEL LEVEL AVG
GENERIC/COND DESC:	(32)	REACTOR VESSEL WATER LEVEL
ANALOG/DIGITAL:	(1)	A (A, D)
ENGR UNITS/DIG ST:	(12)	PCT
ENGR UNITS CONVERS:	(40)	N/A
MIN INSTR RANGE:	(10)	0
MAX INSTR RANGE:	(10)	100
ZERO PT REF:	(6)	HOTLEG
REF PT NOTES:	(40)	N/A
PROC OR SENS:	(1)	P (P, S)
NUMBER OF SENSORS:	(3)	2
HOW PROCESSED:	(40)	AVG
SENSOR LOCATIONS:	(40)	CONTAINMENT
ALARM/TRIP SET PT:	(40)	N/A
NI DET PWR SUPPLY CUT-OFF PWR LVL:	(15)	N/A
NI DET PWR SUPPLY TURN-ON PWR LVL:	(15)	N/A
INSTR FAIL MODE:	(30)	LOW
TEMP COMP FOR DP XMTRS:	(3)	N (Y, N, N/A)
LEVEL REF LEG:	(3)	DRY (DRY, WET)
UNIQUE SYS DESC:	(600)	

TOP OF ACTIVE FUEL IS BELOW THE MINIMUM INSTRUMENT RANGE OF 0%.

	FIELD LENGTH	
DATE:	(8)	06/21/91
REACTOR UNIT:	(3)	KW1
DATA FEEDER:	(10)	N/A
NRC ERDS PARAM:	(12)	CORE FLOW
POINT ID:	(12)	F8007G
PLANT SPEC PT DESC:	(40)	RCLA AVERAGE FLOW (LOOP A)
GENERIC/COND DESC:	(32)	REACTOR COOLANT FLOW LOOP A
ANALOG/DIGITAL:	(1)	A (A, D)
ENGR UNITS/DIG ST:	(12)	PCT
ENGR UNITS CONVERS:	(40)	N/A
MIN INSTR RANGE:	(10)	0
MAX INSTR RANGE:	(10)	110
ZERO PT REF:	(6)	N/A
REF PT NOTES:	(40)	N/A
PROC OR SENS:	(1)	P (P, S)
NUMBER OF SENSORS:	(3)	3
HOW PROCESSED:	(40)	AVERAGE
SENSOR LOCATIONS:	(40)	CONTAINMENT
ALARM/TRIP SET PT:	(40)	90% REACTOR TRIP
NI DET PWR SUPPLY CUT-OFF PWR LVL:	(15)	N/A
NI DET PWR SUPPLY TURN-ON PWR LVL:	(15)	N/A
INSTR FAIL MODE:	(30)	LOW
TEMP COMP FOR DP XMTRS:	(3)	N (Y, N, N/A)
LEVEL REF LEG:	(3)	N/A (DRY, WET)
UNIQUE SYS DESC:	(600)	

INSTRUMENTS: FT-411, FT-412, FT-413.
100% FLOW = 95,536 GPM (NOTE: THIS NUMBER WILL CHANGE ANNUALLY BASED ON S/G TUBE PLUGGING OR SLEEVING PERFORMED.)

	FIELD LENGTH	
DATE:	(8)	06/21/91
REACTOR UNIT:	(3)	KW1
DATA FEEDER:	(10)	N/A
NRC ERDS PARAM:	(12)	CORE FLOW
POINT ID:	(12)	F8008G
PLANT SPEC PT DESC:	(40)	RCLB AVERAGE FLOW (LOOP B)
GENERIC/COND DESC:	(32)	REACTOR COOLANT FLOW LOOP B
ANALOG/DIGITAL:	(1)	A (A, D)
ENGR UNITS/DIG ST:	(12)	PCT
ENGR UNITS CONVERS:	(40)	N/A
MIN INSTR RANGE:	(10)	0
MAX INSTR RANGE:	(10)	110
ZERO PT REF:	(6)	N/A
REF PT NOTES:	(40)	N/A
PROC OR SENS:	(1)	P (P, S)
NUMBER OF SENSORS:	(3)	3
HOW PROCESSED:	(40)	AVERAGE
SENSOR LOCATIONS:	(40)	CONTAINMENT
ALARM/TRIP SET PT:	(40)	90% REACTOR TRIP
NI DET PWR SUPPLY CUT-OFF PWR LVL:	(15)	N/A
NI DET PWR SUPPLY TURN-ON PWR LVL:	(15)	N/A
INSTR FAIL MODE:	(30)	LOW
TEMP COMP FOR DP XMTRS:	(3)	N (Y, N, N/A)
LEVEL REF LEG:	(3)	N/A (DRY, WET)
UNIQUE SYS DESC:	(600)	

INSTRUMENTS: FT-414, FT-415, FT-416.
100% FLOW = 96,129 GPM (NOTE: THIS NUMBER WILL CHANGE ANNUALLY BASED ON S/G TUBE PLUGGING OR SLEEVING PERFORMED.)

	FIELD LENGTH	
DATE:	(8)	06/21/91
REACTOR UNIT:	(3)	KW1
DATA FEEDER:	(10)	N/A
NRC ERDS PARAM:	(12)	MN FD FL 1/A
POINT ID:	(12)	F8009G
PLANT SPEC PT DESC:	(40)	S/G A FW FLOW - AVG
GENERIC/COND DESC:	(32)	STM GEN A MAIN FEEDWATER FLOW
ANALOG/DIGITAL:	(1)	A (A, D)
ENGR UNITS/DIG ST:	(12)	KLBH
ENGR UNITS CONVERS:	(40)	N/A
MIN INSTR RANGE:	(10)	0
MAX INSTR RANGE:	(10)	4470
ZERO PT REF:	(6)	N/A
REF PT NOTES:	(40)	N/A
PROC OR SENS:	(1)	P (P, S)
NUMBER OF SENSORS:	(3)	2
HOW PROCESSED:	(40)	AVERAGE
SENSOR LOCATIONS:	(40)	ON FEEDWATER LINE OUTSIDE CONTAINMENT
ALARM/TRIP SET PT:	(40)	SF>FF COINC. WITH 25.5% S/G LVL RX TRIP*
NI DET PWR SUPPLY CUT-OFF PWR LVL:	(15)	N/A
NI DET PWR SUPPLY TURN-ON PWR LVL:	(15)	N/A
INSTR FAIL MODE:	(30)	LOW OR HIGH
TEMP COMP FOR DP XMTRS:	(3)	N (Y, N, N/A)
LEVEL REF LEG:	(3)	WET (DRY, WET)
UNIQUE SYS DESC:	(600)	

* ALARM/TRIP SET POINT: SF>FF 0.87 X 1.0 E+6 LBM COINCIDENT WITH 25.5% S/G LEVEL; REACTOR TRIP. STEAM FLOW > FEED FLOW ALARM. FEED FLOW > STEAM FLOW ALARM.
INSTRUMENTS: FT-466 AND FT-467.

	FIELD LENGTH	
DATE:	(8)	06/21/91
REACTOR UNIT:	(3)	KW1
DATA FEEDER:	(10)	N/A
NRC ERDS PARAM:	(12)	MN FD FL 2/B
POINT ID:	(12)	F8010G
PLANT SPEC PT DESC:	(40)	S/G B FW FLOW - AVG
GENERIC/COND DESC:	(32)	STM GEN B MAIN FEEDWATER FLOW
ANALOG/DIGITAL:	(1)	A (A, D)
ENGR UNITS/DIG ST:	(12)	KLBH
ENGR UNITS CONVERS:	(40)	N/A
MIN INSTR RANGE:	(10)	0
MAX INSTR RANGE:	(10)	4470
ZERO PT REF:	(6)	N/A
REF PT NOTES:	(40)	N/A
PROC OR SENS:	(1)	P (P, S)
NUMBER OF SENSORS:	(3)	2
HOW PROCESSED:	(40)	AVERAGE
SENSOR LOCATIONS:	(40)	ON FEEDWATER LINE OUTSIDE CONTAINMENT
ALARM/TRIP SET PT:	(40)	SF>FF COINC. WITH 25.5% S/G LVL RX TRIP*
NI DET PWR SUPPLY CUT-OFF PWR LVL:	(15)	N/A
NI DET PWR SUPPLY TURN-ON PWR LVL:	(15)	N/A
INSTR FAIL MODE:	(30)	LOW OR HIGH
TEMP COMP FOR DP XMTRS:	(3)	N (Y, N, N/A)
LEVEL REF LEG:	(3)	WET (DRY, WET)
UNIQUE SYS DESC:	(600)	

* ALARM/TRIP SET POINT: SF>FF 0.87 X 1.0 E+6 LBM COINCIDENT WITH 25.5% S/G LEVEL; REACTOR TRIP. STEAM FLOW > FEED FLOW ALARM. FEED FLOW > STEAM FLOW ALARM.
INSTRUMENTS: FT-476 AND FT-477.

	FIELD LENGTH	
DATE:	(8)	06/21/91
REACTOR UNIT:	(3)	KW1
DATA FEEDER:	(10)	N/A
NRC ERDS PARAM:	(12)	PRZR LEVEL
POINT ID:	(12)	L8015G
PLANT SPEC PT DESC:	(40)	PRESSURIZER LEVEL - SPDS
GENERIC/COND DESC:	(32)	PRIMARY SYSTEM PRESSURIZER LEVEL
ANALOG/DIGITAL:	(1)	A (A, D)
ENGR UNITS/DIG ST:	(12)	PCT
ENGR UNITS CONVERS:	(40)	N/A
MIN INSTR RANGE:	(10)	0
MAX INSTR RANGE:	(10)	100
ZERO PT REF:	(6)	BOTTOM
REF PT NOTES:	(40)	ZERO = BOTTOM OF PRESSURIZER
PROC OR SENS:	(1)	P (P, S)
NUMBER OF SENSORS:	(3)	3
HOW PROCESSED:	(40)	SPDS-DV
SENSOR LOCATIONS:	(40)	TOP AND BOTTOM OF PRZR VESSEL
ALARM/TRIP SET PT:	(40)	18.3%, 55%, 85%*
NI DET PWR SUPPLY CUT-OFF PWR LVL:	(15)	N/A
NI DET PWR SUPPLY TURN-ON PWR LVL:	(15)	N/A
INSTR FAIL MODE:	(30)	LOW
TEMP COMP FOR DP XMTRS:	(3)	N (Y, N, N/A)
LEVEL REF LEG:	(3)	WET (DRY, WET)
UNIQUE SYS DESC:	(600)	

INSTRUMENTS: LT-426, LT-427, LT-428
* ALARM/TRIP SETPOINTS: 18.3% = LO ALARM, 55% = HI ALARM, 85% = HI-HI REACTOR TRIP.
TOP OF HEATER BUNDLE, LEVEL = APPROX. 17%.