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 SCHROCK, C.A. Wisconsin Public Service Corp.
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SUBJECT: Submits one copy of affected pages of lasted revs to EPMP 9.5, "Control of ERDS Hardware & Software." Changes result of recent RM sys upgrade.

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WISCONSIN PUBLIC SERVICE CORPORATION

600 North Adams • P.O. Box 19002 • Green Bay, WI 54307-9002

December 13, 1994

10 CFR 50, App. E

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

Ladies/Gentlemen:

Docket 50-305
Operating License DPR-43
Kewaunee Nuclear Power Plant
Radiological Emergency Response Plan Implementing Procedures

Pursuant to 10 CFR 50 Appendix E, Wisconsin Public Service Corporation hereby submits one copy of the affected pages of the latest revisions to EPMP 9.5 "Control of ERDS Hardware and Software". These changes are a result of our recent Radiation Monitoring System Upgrade.

Pursuant to 10 CFR 50.4, two additional copies of this letter and attachment are hereby submitted to Mr. John B. Martin, Regional Administrator, U. S. Nuclear Regulatory Commission, Region III, Lisle, Illinois. As required, one copy of this letter and attachment is also submitted to the Kewaunee Nuclear Power Plant NRC Senior Resident Inspector.

Sincerely,

C. A. Schrock
Manager-Nuclear Engineering

BJD/san

Attachment

cc - NRC Senior Resident Inspector, w/attach.
US NRC, Region III (2 copies), w/attach.
Mr. R.S. Cullen, PSCW, w/o attach.
QA Vault, w/attach.

LIC\NRC\EPISP1.WP

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ADH5

ERDS DATA POINT LIBRARY TABLE INDEX

KEWAUNEE NUCLEAR POWER PLANT

<u>FORM NUMBER</u>	<u>POINT ID</u>	<u>GENERIC DESCRIPTION</u>	<u>REV.</u>	<u>LIBRARY SHEET REVISION DATE</u>
9.5-1	N8020G	NUCLEAR INSTRUMENTS, POWER RANGE	A	04/08/94
9.5-2	N7035G	NUCLEAR INSTRU, INTERMED. RANGE	A	04/08/94
9.5-3	N8031G	NUCLEAR INSTRU, SOURCE RANGE	A	04/08/94
9.5-4	L8024G	REACTOR VESSEL WATER LEVEL	A	04/08/94
9.5-5	I1100G	HIGHEST TEMP AT THE CORE EXIT	A	04/08/94
9.5-6	T0020G	SATURATION TEMP-HIGHEST CET	A	04/08/94
9.5-7	F8007G	REACTOR COOLANT FLOW LOOP A	C	08/01/94
9.5-8	F8008G	REACTOR COOLANT FLOW LOOP B	C	08/01/94
9.5-9	L8013G	STEAM GENERATOR A WATER LEVEL	A	04/08/94
9.5-10	L8014G	STEAM GENERATOR B WATER LEVEL	A	04/08/94
9.5-11	P8021G	STEAM GENERATOR A PRESSURE	A	04/08/94
9.5-12	P8022G	STEAM GENERATOR B PRESSURE	A	04/08/94
9.5-13	F8009G	STM GEN A MAIN FEEDWATER FLOW	A	04/08/94
9.5-14	F8010G	STM GEN B MAIN FEEDWATER FLOW	A	04/08/94
9.5-15	F8003A	STM GEN A AUXILIARY FW FLOW	A	04/08/94
9.5-16	F8004A	STM GEN B AUXILIARY FW FLOW	A	04/08/94
9.5-17	T0419A	STM GEN A INLET TEMPERATURE	B	04/08/94
9.5-18	T0439A	STM GEN B INLET TEMPERATURE	B	04/08/94
9.5-19	T0406A	STM GEN A OUTLET TEMPERATURE	B	04/08/94
9.5-20	T0426A	STM GEN B OUTLET TEMPERATURE	B	04/08/94
9.5-21	P8023G	REACTOR COOLANT SYSTEM PRESSURE	A	04/08/94
9.5-22	L8015G	PRIMARY SYSTEM PRESSURIZER LEVEL	A	04/08/94
9.5-23	F0128G	PRIMARY SYSTEM CHARGING FLOW	A	04/08/94
9.5-24	F8001G	HIGH PRESS SAFETY INJECTION FLOW	A	04/08/94
9.5-25	F8002G	HIGH PRESS SAFETY INJECTION FLOW	A	04/08/94
9.5-26	F0626A	LOW PRESS SAFETY INJECTION FLOW	A	04/08/94
9.5-27	NOT AVAIL.	CONTAINMENT SUMP NARROW RNG LVL	A	04/08/94
9.5-28	L8001A	CONTAINMENT SUMP WIDE RNG LVL	A	04/08/94
9.5-29	G0014G	RADIOACTIVITY OF RELEASED GASSES	B	11/29/94
9.5-30	G0018G	RADIOACT. OF RELEASED LIQUIDS	B	11/29/94
9.5-31	G0015G	CONDENSER AIR EJECTOR RADIOACT.	B	11/29/94
9.5-32	G0040G	RADIATION LEVEL IN CONTAINMENT	B	11/29/94
9.5-33	G0009G	RAD LEVEL OF RCS LETDOWN LINE	B	11/29/94
9.5-34	G0032G	STM GEN A STEAM LINE RAD LEVEL	B	11/29/94
9.5-35	G0034G	STM GEN B STEAM LINE RAD LEVEL	B	11/29/94
9.5-36	G0019G	STM GEN BLOWDOWN RAD LEVEL	B	11/29/94
9.5-37	P8004A	CONTAINMENT PRESSURE	A	04/08/94
9.5-38	T1000A	CONTAINMENT TEMPERATURE	A	04/08/94
9.5-39	X8001A	CONTAINMENT HYDROGEN CONCEN.	A	04/08/94
9.5-40	L8008A	BORATED WATER STORAGE TANK LEVEL	A	04/08/94
9.5-41	M0001A	WIND SPEED AT REACTOR SITE	A	04/08/94
9.5-42	M0002G	WIND DIRECTION AT REACTOR SITE	A	04/08/94
9.5-43	M0004A	AIR STABILITY AT REACTOR SITE	A	04/08/94

NOV 29 1994

RADIOACTIVITY OF RELEASED GASSES
KEWAUNEE NUCLEAR POWER PLANT

ITEM	FIELD LENGTH	KNPP ERDS DATA
DATE:	(8)	04/23/91
REACTOR UNIT:	(3)	KW1
DATA FEEDER:	(10)	N/A
NRC ERDS PARAM:	(12)	EFF GAS RAD
POINT ID:	(12)	G0014G
PLANT SPEC PT DESC:	(40)	AUX BLDG VENT MONITOR
GENERIC/COND DESC:	(32)	RADIOACTIVITY OF RELEASED GASSES
ANALOG/DIGITAL:	(1)	A (A, D)
ENGR UNITS/DIG ST:	(12)	CPM
ENGR UNITS CONVERS:	(40)	N/A
MIN INSTR RANGE:	(10)	1.0 E+1
MAX INSTR RANGE:	(10)	1.0 E+7
ZERO PT REF:	(6)	N/A
REF PT NOTES:	(40)	N/A
PROC OR SENS:	(1)	S (P, S)
NUMBER OF SENSORS:	(3)	1
HOW PROCESSED:	(40)	N/A
SENSOR LOCATIONS:	(40)	AUX BLDG VENT STACK
ALARM/TRIP SET PT:	(40)	3.0 E+4 CPM
NI DET PWR SUPPLY CUTOFF 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/A (Y, N, N/A)
LEVEL REF LEG:	(3)	N/A (DRY, WET)
UNIQUE SYS DESC:	(600)	RAD MONITOR R-14, AUX BLDG VENT MONITOR B, CONSISTS OF 4 PARALLEL GM TUBES. R-14 PROVIDES AUTOMATIC INITIATION OF THE FOLLOWING ESF FUNCTION: ISOLATE NORMAL VENT EXHAUST AND START AUXILIARY BUILDING ZONE SV (SPECIAL VENTILATION).

RADIOACTIVITY OF RELEASED LIQUIDS
 KEWAUNEE NUCLEAR POWER PLANT

ITEM	FIELD LENGTH	KNPP ERDS DATA
DATE:	(8)	04/23/91
REACTOR UNIT:	(3)	KW1
DATA FEEDER:	(10)	N/A
NRC ERDS PARAM:	(12)	EFF LIQ RAD
POINT ID:	(12)	G0018G
PLANT SPEC PT DESC:	(40)	WASTE DISP LIQ EFFLUENT
GENERIC/COND DESC:	(32)	RADIOACT. OF RELEASED LIQUIDS
ANALOG/DIGITAL:	(1)	A (A, D)
ENGR UNITS/DIG ST:	(12)	CPM
ENGR UNITS CONVERS:	(40)	N/A
MIN INSTR RANGE:	(10)	1.0 E+1
MAX INSTR RANGE:	(10)	1.0 E+7
ZERO PT REF:	(6)	N/A
REF PT NOTES:	(40)	N/A
PROC OR SENS:	(1)	S (P, S)
NUMBER OF SENSORS:	(3)	1
HOW PROCESSED:	(40)	N/A
SENSOR LOCATIONS:	(40)	DISCHARGE OF WASTE CONDENSATE PUMPS
ALARM/TRIP SET PT:	(40)	3.22 E+6 CPM
NI DET PWR SUPPLY CUTOFF 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/A (Y, N, N/A)
LEVEL REF LEG:	(3)	N/A (DRY, WET)
UNIQUE SYS DESC:	(600)	RAD MONITOR R-18, WASTE DISPOSAL SYSTEM LIQUID EFFLUENT MONITOR - CONSISTS OF A NAI SCINT. COUNTER AND SAMPLE VOLUME CHAMBER ASSEMBLY. INITIATES AUTOMATIC CLOSURE OF VALVE WD-19 TO PREVENT FURTHER RELEASE.

NOV 29 1994

CONDENSER AIR EJECTOR RADIOACTIVITY
KEWAUNEE NUCLEAR POWER PLANT

ITEM	FIELD LENGTH	KNPP ERDS DATA
DATE:	(8)	04/23/91
REACTOR UNIT:	(3)	KW1
DATA FEEDER:	(10)	N/A
NRC ERDS PARAM:	(12)	COND A/E RAD
POINT ID:	(12)	G0015G
PLANT SPEC PT DESC:	(40)	CDSR AIR EJECTOR EXHAUST
GENERIC/COND DESC:	(32)	CONDENSER AIR EJECTOR RADIOACT.
ANALOG/DIGITAL:	(1)	A (A, D)
ENGR UNITS/DIG ST:	(12)	CPM
ENGR UNITS CONVERS:	(40)	N/A
MIN INSTR RANGE:	(10)	1.0 E+1
MAX INSTR RANGE:	(10)	1.0 E+7
ZERO PT REF:	(6)	N/A
REF PT NOTES:	(40)	N/A
PROC OR SENS:	(1)	S (P, S)
NUMBER OF SENSORS:	(3)	1
HOW PROCESSED:	(40)	N/A
SENSOR LOCATIONS:	(40)	IN CONDENSER AIR EJECTOR EXHAUST HEADER
ALARM/TRIP SET PT:	(40)	8.0 E+4 CPM
NI DET PWR SUPPLY CUTOFF 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/A (Y, N, N/A)
LEVEL REF LEG:	(3)	N/A (DRY, WET)
UNIQUE SYS DESC:	(600)	RAD MONITOR R-15, CONDENSER AIR EJECTOR GAS MONITOR - CONTAINS A GAMMA SENSITIVE GM TUBE. PROVIDES THE FOLLOWING AUTOMATIC ESF ACTUATION: ISOLATE S/G BLOWDOWN AND SHIFT CONDENSER AIR EJECTOR DISCHARGE TO EXHAUST VIA AUX BLDG VENT.

NOV 29 1994

RADIATION LEVEL IN CONTAINMENT
KEWAUNEE NUCLEAR POWER PLANT

ITEM	FIELD LENGTH	KNPP ERDS DATA
DATE:	(8)	04/23/91
REACTOR UNIT:	(3)	KW1
DATA FEEDER:	(10)	N/A
NRC ERDS PARAM:	(12)	CNTMNT RAD
POINT ID:	(12)	G0040G
PLANT SPEC PT DESC:	(40)	CNTMT AREA HI RNG R-40
GENERIC/COND DESC:	(32)	RADIATION LEVEL IN CONTAINMENT
ANALOG/DIGITAL:	(1)	A (A, D)
ENGR UNITS/DIG ST:	(12)	R/HR
ENGR UNITS CONVERS:	(40)	N/A
MIN INSTR RANGE:	(10)	1.0 E+0
MAX INSTR RANGE:	(10)	1.0 E+8
ZERO PT REF:	(6)	N/A
REF PT NOTES:	(40)	N/A
PROC OR SENS:	(1)	S (P, S)
NUMBER OF SENSORS:	(3)	1
HOW PROCESSED:	(40)	N/A
SENSOR LOCATIONS:	(40)	CONTAINMENT
ALARM/TRIP SET PT:	(40)	NONE
NI DET PWR SUPPLY CUTOFF 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/A (Y, N, N/A)
LEVEL REF LEG:	(3)	N/A (DRY, WET)
UNIQUE SYS DESC:	(600)	RAD MONITOR R-40, CONTAINMENT AREA HI RANGE RAD MONITOR TRAIN A - ION CHAMBER.

RADIOACTIVE LEVEL OF RCS LETDOWN LINE
 KEWAUNEE NUCLEAR POWER PLANT

ITEM	FIELD LENGTH	KNPP ERDS DATA
DATE:	(8)	04/23/91
REACTOR UNIT:	(3)	KW1
DATA FEEDER:	(10)	N/A
NRC ERDS PARAM:	(12)	RCS LTDN RAD
POINT ID:	(12)	G0009G
PLANT SPEC PT DESC:	(40)	LETDOWN LINE - AREA 9
GENERIC/COND DESC:	(32)	RAD LEVEL OF RCS LETDOWN LINE
ANALOG/DIGITAL:	(1)	A (A, D)
ENGR UNITS/DIG ST:	(12)	MR/H
ENGR UNITS CONVERS:	(40)	N/A
MIN INSTR RANGE:	(10)	1.0 E-1
MAX INSTR RANGE:	(10)	1.0 E-5
ZERO PT REF:	(6)	N/A
REF PT NOTES:	(40)	N/A
PROC OR SENS:	(1)	S (P, S)
NUMBER OF SENSORS:	(3)	1
HOW PROCESSED:	(40)	N/A
SENSOR LOCATIONS:	(40)	DISCHARGE OF LETDOWN HTEXCH, AUX BLDG
ALARM/TRIP SET PT:	(40)	3.00 E+2 MR/H
NI DET PWR SUPPLY CUTOFF 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/A (Y, N, N/A)
LEVEL REF LEG:	(3)	N/A (DRY, WET)
UNIQUE SYS DESC:	(600)	AREA RADIATION MONITOR - GM TUBE DETECTOR.

NOV 29 1994

**STEAM GENERATOR A STEAM LINE RADIATION LEVEL
KEWAUNEE NUCLEAR POWER PLANT**

ITEM	FIELD LENGTH	KNPP ERDS DATA
DATE:	(8)	04/23/91
REACTOR UNIT:	(3)	KW1
DATA FEEDER:	(10)	N/A
NRC ERDS PARAM:	(12)	MAIN SL 1/A
POINT ID:	(12)	G0032G
PLANT SPEC PT DESC:	(40)	STM LINE 1A HI R-32
GENERIC/COND DESC:	(32)	STM GEN A STEAM LINE RAD LEVEL
ANALOG/DIGITAL:	(1)	A (A, D)
ENGR UNITS/DIG ST:	(12)	R/HR
ENGR UNITS CONVERS:	(40)	N/A
MIN INSTR RANGE:	(10)	1.0 E+0
MAX INSTR RANGE:	(10)	1.0 E+4
ZERO PT REF:	(6)	N/A
REF PT NOTES:	(40)	N/A
PROC OR SENS:	(1)	S (P, S)
NUMBER OF SENSORS:	(3)	1
HOW PROCESSED:	(40)	N/A
SENSOR LOCATIONS:	(40)	ON 24" DIAM. MS VENT HEADER, AUX BLDG
ALARM/TRIP SET PT:	(40)	N/A
NI DET PWR SUPPLY CUTOFF 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/A (Y, N, N/A)
LEVEL REF LEG:	(3)	N/A (DRY, WET)
UNIQUE SYS DESC:	(600)	RAD MONITOR R-32, HI RANGE STEAM LINE MONITOR TRAIN A - ION CHAMBER DETECTOR.

NOV 29 1994

STEAM GENERATOR B STEAM LINE RADIATION LEVEL
KEWAUNEE NUCLEAR POWER PLANT

ITEM	FIELD LENGTH	KNPP ERDS DATA
DATE:	(8)	04/23/91
REACTOR UNIT:	(3)	KW1
DATA FEEDER:	(10)	N/A
NRC ERDS PARAM:	(12)	MAIN SL 2/B
POINT ID:	(12)	G0034G
PLANT SPEC PT DESC:	(40)	STM LINE 1B HI R-34
GENERIC/COND DESC:	(32)	STM GEN B STEAM LINE RAD LEVEL
ANALOG/DIGITAL:	(1)	A (A, D)
ENGR UNITS/DIG ST:	(12)	R/HR
ENGR UNITS CONVERS:	(40)	N/A
MIN INSTR RANGE:	(10)	1.0 E+0
MAX INSTR RANGE:	(10)	1.0 E+4
ZERO PT REF:	(6)	N/A
REF PT NOTES:	(40)	N/A
PROC OR SENS:	(1)	S (P, S)
NUMBER OF SENSORS:	(3)	1
HOW PROCESSED:	(40)	N/A
SENSOR LOCATIONS:	(40)	ON 24" DIAM. MS VENT HEADER, AUX BLDG
ALARM/TRIP SET PT:	(40)	N/A
NI DET PWR SUPPLY CUTOFF 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/A (Y, N, N/A)
LEVEL REF LEG:	(3)	N/A (DRY, WET)
UNIQUE SYS DESC:	(600)	RAD MONITOR R-34, HI RANGE STEAM LINE MONITOR TRAIN B - ION CHAMBER DETECTOR.

STEAM GENERATOR BLOWDOWN RADIATION LEVEL
KEWAUNEE NUCLEAR POWER PLANT

NOV 29 1994

ITEM	FIELD LENGTH	KNPP ERDS DATA
DATE:	(8)	04/23/91
REACTOR UNIT:	(3)	KW1
DATA FEEDER:	(10)	N/A
NRC ERDS PARAM:	(12)	SG BD RAD
POINT ID:	(12)	G0019G
PLANT SPEC PT DESC:	(40)	STEAM GENERATOR BLOWDOWN
GENERIC/COND DESC:	(32)	STM GEN BLOWDOWN RAD LEVEL
ANALOG/DIGITAL:	(1)	A (A, D)
ENGR UNITS/DIG ST:	(12)	CPM
ENGR UNITS CONVERS:	(40)	N/A
MIN INSTR RANGE:	(10)	1.0 E+1
MAX INSTR RANGE:	(10)	1.0 E+7
ZERO PT REF:	(6)	N/A
REF PT NOTES:	(40)	N/A
PROC OR SENS:	(1)	S (P, S)
NUMBER OF SENSORS:	(3)	1
HOW PROCESSED:	(40)	N/A
SENSOR LOCATIONS:	(40)	DOWNSTREAM OF S/G BLOWDOWN HTECH'S
ALARM/TRIP SET PT:	(40)	1.29 E+6
NI DET PWR SUPPLY CUTOFF 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/A (Y, N, N/A)
LEVEL REF LEG:	(3)	N/A (DRY, WET)
UNIQUE SYS DESC:	(600)	STEAM GENERATOR BLOWDOWN SYSTEM LIQUID SAMPLE MONITOR R-19 - NAI SCINT. DETECTOR. PROVIDES THE FOLLOWING AUTOMATIC ESF FUNCTION: ISOLATE S/G BLOWDOWN AND SHIFT CONDENSER AIR EJECTOR DISCHARGE TO EXHAUST VIA THE AUX BLDG VENT STACK. FOLLOWING S/G BLOWDOWN ISOLATION, MANUAL VALVE MANIPULATION ALLOWS MANUAL SAMPLING IN SAMPLE ROOM. THIS RAD MONITOR IS COMMON FOR BOTH TRAIN A AND TRAIN B OF S/G BLOWDOWN.