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U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

Serial No. 09-080
KPS/LIC/NW: R0
Docket No. 50-305
License No. DPR-43

**DOMINION ENERGY KEWAUNEE, INC.**
**KEWAUNEE POWER STATION**
**EMERGENCY RESPONSE DATA SYSTEM DATA POINT LIBRARY CHANGES**

Pursuant to 10 CFR 50, Appendix E, Dominion Energy Kewaunee, Inc. (DEK) hereby submits copies of changes to seven Kewaunee Power Station (KPS) Emergency Response Data System (ERDS) data point library tables.

The ERDS data point library is maintained in KPS procedure EPMP 9.5, "Control of ERDS Hardware and Software." Changes to seven of the data point library tables have recently been made. 10 CFR 50, Appendix E, Section VI.3 requires that any hardware and software changes that affect the transmitted data points identified in the ERDS data point library must be submitted to the NRC within 30 days after the changes are completed. Therefore, a copy of each of the seven revised ERDS data point library tables are provided as an attachment to this letter, as required 10 CFR 50, Appendix E, Section VI.3.

Attachment 1 provides a summary of the changes to the KPS ERDS data point library tables. Attachment 2 provides an up to date copy of each of the ERDS data point tables which have been changed. The data point information is provided in a format consistent with guidance specified in NUREG-1394, "Emergency Response Data System Implementation" Revision 1. Each change has been annotated with a vertical line in the margin adjacent to the change.

If you have questions or require additional information, please feel free to contact Mr. Craig Sly at (804)-273-2784.

Very truly yours,

for

Chris Funderburk - Director
Nuclear Licensing & Operations Support
Dominion Resources Services, Inc.
For Dominion Energy Kewaunee

Attachments:

1. Summary of Kewaunee ERDS Data Point Library Changes
2. Kewaunee Revised ERDS Data Point Library Tables

Commitments made by this letter: None

cc:

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# ATTACHMENT 1

## EMERGENCY RESPONSE DATA SYSTEM DATA POINT LIBRARY CHANGES

## SUMMARY OF KEWAUNEE ERDS DATA POINT LIBRARY CHANGES

**KEWAUNEE POWER STATION**
**DOMINION ENERGY KEWAUNEE, INC.**

## SUMMARY OF KEWAUNEE ERDS DATA POINT LIBRARY CHANGES

| TABLE NUMBER | CHANGE DESCRIPTION |
|---|---|
| Table 7 – Reactor Coolant Flow Loop A | Updated the DATE to 1/23/09.<br>Updated the UNIQUE SYS DESC: |
| Table 8 – Reactor Coolant Flow Loop B | Updated the DATE to 1/23/09.<br>Updated the UNIQUE SYS DESC: |
| Table 23 – Primary System Charging Flow | Updated the DATE to 1/28/09.<br>Updated the UNIQUE SYS DESC: |
| Table 29 – Radioactivity of Released Gasses | Updated the DATE to 1/14/09.<br>Updated the UNIQUE SYS DESC: |
| Table 30 – Radioactivity of Released Liquids | Updated the DATE to 1/14/09.<br>Updated the ALARM/TRIP SET PT: |
| Table 31 – Condenser Air Ejector Radioactivity | Updated the DATE to 1/14/09.<br>Updated the ALARM/TRP SET PT:<br>Updated the UNIQUE SYS DESC: |
| Table 36 – Steam Generator Blowdown Radiation Level | Updated the DATE to 1/14/09.<br>Updated the ALARM/TRIP SET PT: |

# ATTACHMENT 2

# EMERGENCY RESPONSE DATA SYSTEM DATA POINT LIBRARY CHANGES

## KEWAUNEE REVISED ERDS DATA POINT LIBRARY TABLES

**KEWAUNEE POWER STATION**
**DOMINION ENERGY KEWAUNEE, INC.**

# REACTOR COOLANT FLOW LOOP A

KEWAUNEE POWER STATION

| ITEM | FIELD LENGTH | KPS ERDS DATA |
|---|---|---|
| DATE: | (8) | 01/23/09 |
| 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 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 (Y, N, N/A) |
| LEVEL REF LEG: | (3) | N/A (DRY, WET) |
| UNIQUE SYS DESC: | (600) | INSTRUMENTS:<br>AVERAGE OF AT LEAST TWO OF FT-411, FT-412, FT-413<br>ACTUAL STEADY STATE 100% FLOW CHANGES SLIGHTLY EACH FUEL CYCLE BASED ON CORE AND SG CONFIGURATION. POST-REFUELING POWER ESCALATION TESTING VERIFIES THAT TOTAL FLOW IS ≥ THE TS MINIMUM OF 178,000 GPM AVERAGE (MINIMUM 89,000 GPM AVERAGE/LOOP) AND ≥ THE LIMIT SPECIFIED IN THE COLR. |

# REACTOR COOLANT FLOW LOOP B

KEWAUNEE POWER STATION

| ITEM | FIELD LENGTH | KPS ERDS DATA |
|---|---|---|
| DATE: | (8) | 01/23/09 |
| 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 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 (Y, N, N/A) |
| LEVEL REF LEG: | (3) | N/A (DRY, WET) |
| UNIQUE SYS DESC: | (600) | INSTRUMENTS:<br>AVERAGE OF AT LEAST TWO OF FT-414, FT-415, FT-416<br>ACTUAL STEADY STATE 100% FLOW CHANGES SLIGHTLY EACH FUEL CYCLE BASED ON CORE AND SG CONFIGURATION. POST-REFUELING POWER ESCALATION TESTING VERIFIES THAT TOTAL FLOW IS ≥ THE TS MINIMUM OF 178,000 GPM AVERAGE (MINIMUM 89,000 GPM AVERAGE/LOOP) AND ≥ THE LIMIT SPECIFIED IN THE COLR. |

## PRIMARY SYSTEM CHARGING FLOW
KEWAUNEE POWER STATION

| ITEM | FIELD LENGTH | KPS ERDS DATA |
|---|---|---|
| DATE: | (8) | 01/28/09 |
| REACTOR UNIT: | (3) | KW1 |
| DATA FEEDER: | (10) | N/A |
| NRC ERDS PARAM: | (12) | RCS CHG/MU |
| POINT ID: | (12) | F0128G |
| PLANT SPEC PT DESC: | (40) | CHG PUMP DISCH HDR FLOW |
| GENERIC/COND DESC: | (32) | PRIMARY SYSTEM CHARGING FLOW |
| ANALOG/DIGITAL: | (1) | A (A, D) |
| ENGR UNITS/DIG ST: | (12) | GPM |
| 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) | S (P, S) |
| NUMBER OF SENSORS: | (3) | 1 |
| HOW PROCESSED: | (40) | N/A |
| SENSOR LOCATIONS: | (40) | ON 2" DIAM. HEADER AT PUMPS' DISCHARGE |
| 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 (Y, N, N/A) |
| LEVEL REF LEG: | (3) | N/A ( DRY, WET) |
| UNIQUE SYS DESC: | (600) | INSTRUMENT FT-128. THREE CHARGING PUMPS. EACH PUMP HAS A DESING FLOWRATE OF 60.5 GPM (MAX.) AND DISCHARGE PRESSURE OF 3000 PSIG. PUMPS 1A, 1B AND 1C – AC INDUCTION MOTOR. NORMAL CHARGING FLOW IS 30-40 GPM. |

# RADIOACTIVITY OF RELEASED GASSES

KEWAUNEE POWER STATION

| ITEM | FIELD LENGTH | KPS ERDS DATA |
|---|---|---|
| DATE: | (8) | 01/14/09 |
| 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) | 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-14, AUX BLDG VENT MONITOR B, CONSISTS OF A BETA SENSITIVE PLASTIC SCINTILLATION DETECTOR. 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 POWER STATION

| ITEM | FIELD LENGTH | KPS ERDS DATA |
|---|---|---|
| DATE: | (8) | 01/14/09 |
| 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) | 5.0 E+5 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 ASSEMBLE. INITIATES AUTOMATIC CLOSURE OF VALVE WD-19 TO PREVENT FURTHER RELEASE. |

# CONDENSER AIR EJECTOR RADIOACTIVITY

KEWAUNEE POWER STATION

| ITEM | FIELD LENGTH | KPS ERDS DATA |
|---|---|---|
| DATE: | (8) | 01/14/09 |
| 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) | 4.0 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-15, CONDENSER AIR EJECTOR GAS MONITOR --CONTAINS A GAMMA SENSITIVE SCINITILLATION DETECTOR. PROVIDES THE FOLLOWING AUTOMATIC ESF ACTUATION: ISOLATE S/G BLOWDOWN AND SHIFT CONDENSER AIR EJECTOR DISCHARGE TO EXHAUST VIA AUX BLDG VENT. |

## STEAM GENERATOR BLOWDOWN RADIATION LEVEL

KEWAUNEE POWER STATION

| ITEM | FIELD LENGTH | KPS ERDS DATA |
|---|---|---|
| DATE: | (8) | 01/14/09 |
| 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 HTEXCH'S |
| ALARM/TRIP SET PT: | (40) | 2.5 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) | 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. |