

10 CFR 50, Appendix E, Sec VI.3.a

November 23, 2004  
2130-04-20287

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555 - 0001

Oyster Creek Generating Station  
Facility Operating License No. DPR-16  
NRC Docket No. 50-219

Subject: Notification of Data Point Library Changes for the Emergency Response Data System (ERDS)

Pursuant to 10 CFR 50, Appendix E, Sec VI.3.a., this letter is to notify you of changes to our Emergency Response Data System (ERDS) data point library made on October 28, 2004 and November 16, 2004. Enclosed are copies of revised pages of the Oyster Creek Data Point Library Reference File annotated by revision bars to indicate changes dated 10/28/2004 AND 11/16/2004, respectively.

The FIVE data point revisions addressed in this change notification are as follows:

| <u>NRC ERDS Parameter</u> | <u>Point ID</u> | <u>Change Implemented</u> |
|---------------------------|-----------------|---------------------------|
| NL                        | HB_MWTH         | October 28, 2004          |
| Main FD Flow              | HB_FWFLO        | October 28, 2004          |
| RCIC Flow                 | HB_RCFLO        | October 28, 2004          |
| Stab Class                | DT150A          | October 28, 2004          |
| NI Power Rng              | APRMPWR         | November 16, 2004         |

As part of the installation of a new Plant Computer System, the System Requirements Specification for Oyster Creek ERDS, OC-PPC-SRS-0014 was created to control future changes to the ERDS Data Point Library. During its development it was recognized that several Alarm/Trip setpoints have been revised in the past, but not updated in the ERDS Data Point Library. A revised copy of OC-PPC-SRS-0014 in its entirety will be forwarded to the NRC to replace the existing document, VM-PC-1150, Appendix I-16.

If any further information or assistance is needed, please contact David Fawcett at 609-971-4284.

A026

Sincerely,

A handwritten signature in black ink, appearing to read "C. N. Swenson". The signature is fluid and cursive, with the first name "C" being particularly large and stylized.

C. N. Swenson  
Vice President, Oyster Creek Generating Station

CNS/DIF  
Enclosure:

cc: S. J. Collins, Administrator, USNRC Region I  
P. S. Tam, USNRC Project Manager, Oyster Creek  
R. J. Summers, USNRC Senior Resident Inspector, Oyster Creek  
K. Tosch, Chief NJDEP Bureau of Nuclear Engineering  
File No. 04012

## DATA POINT LIBRARY REFERENCE FILE

|                         |  |
|-------------------------|--|
| DATE:                   | 11/16/04   |
| REACTOR UNIT:           | OY1  |
| DATA FEEDER:            | N/A  |
| NRC ERDS PARAMETER:     | NI Power Rng   |
| POINT ID:               | APRMPWR  |
| PLANT SPEC POINT DESC.: | Average APRM Power   |
| GENERIC/COND DESC.:     | Nuclear Instruments, Power Range   |
| ANALOG/DIGITAL:         | A  |
| ENGR UNITS/DIG STATES:  | % Power  |
| ENGR UNITS CONVERSION:  | Calculated   |
| MINIMUM INSTR RANGE:    | 0  |
| MAXIMUM INSTR RANGE:    | 150  |
| ZERO POINT REFERENCE:   | N/A  |
| REFERENCE POINT NOTES:  | N/A  |
| PROC OR SENS:           | P  |
| NUMBER OF SENSORS:      | 8  |
| HOW PROCESSED:          | Average of 8 APRM signals  |
| SENSOR LOCATIONS:       | Rx Core (2 per quadrant of reactor core)   |
| ALARM/TRIP SET POINTS:  | $(1.47 \times 10^6) W + 20.8$ for recirculation flow $\leq 48\%$ rated<br>$(0.95 \times 10^6) W + 60.0$ for recirculation flow $\geq 48\%$ rated<br>$= 117.95$ for recirculation flow $\geq 100\%$ |

UNIQUE SYSTEM DESC.:

\*W = CORE FLOW IN LBM/HR

## DATA POINT LIBRARY REFERENCE FILE

|                         |  |
|-------------------------|--|
| DATE:                   | 10/28/04   |
| REACTOR UNIT:           | OY1  |
| DATA FEEDER:            | N/A  |
| NRC ERDS PARAMETER:     | NL   |
| POINT ID:               | HB_MWTH  |
| PLANT SPEC POINT DESC.: | Core Thermal Power   |
| GENERIC/COND DESC.:     | Core Thermal Power   |
| ANALOG/DIGITAL:         | A  |
| ENGR UNITS/DIG STATES:  | MWT  |
| ENGR UNITS CONVERSION:  | Calculated   |
| MINIMUM INSTR RANGE:    | N/A  |
| MAXIMUM INSTR RANGE:    | N/A  |
| ZERO POINT REFERENCE:   | N/A  |
| REFERENCE POINT NOTES:  | N/A  |
| PROC OR SENS:           | N/A  |
| NUMBER OF SENSORS:      | 11   |
| HOW PROCESSED:          | Calculated   |
| SENSOR LOCATIONS:       | N/A  |
| ALARM/TRIP SET POINTS:  | N/A  |
| UNIQUE SYSTEM DESC.:    | Calculation of steady state thermal power based primarily on feedwater flow. |

## DATA POINT LIBRARY REFERENCE FILE

|                         |  |
|-------------------------|--|
| DATE:                   | 10/28/04   |
| REACTOR UNIT:           | OY1  |
| DATA FEEDER:            | N/A  |
| NRC ERDS PARAMETER:     | Main FD Flow   |
| POINT ID:               | HB_FWFLO   |
| PLANT SPEC POINT DESC.: | Total Feedwater Element Flow Smoothed                                  |
| GENERIC/COND DESC.:     | Feedwater Flow into the Reactor System                                 |
| ANALOG/DIGITAL:         | A  |
| ENGR UNITS/DIG STATES:  | LBM/HR   |
| ENGR UNITS CONVERSION:  | Square Root  |
| MINIMUM INSTR RANGE:    | 0  |
| MAXIMUM INSTR RANGE:    | 8,000,000. LBM/HR  |
| ZERO POINT REFERENCE:   | N/A  |
| REFERENCE POINT NOTES:  | N/A  |
| PROC OR SENS:           | S  |
| NUMBER OF SENSORS:      | 1  |
| HOW PROCESSED:          | 60 second average  |
| SENSOR LOCATIONS:       | Downstream of the feedwater strings header and upstream of the reactor |
| ALARM/TRIP SET POINTS:  | None   |
| UNIQUE SYSTEM DESC.:    | This signal is independent of the feedwater control system.            |

## DATA POINT LIBRARY REFERENCE FILE

|                         |  |
|-------------------------|--|
| DATE:                   | 10/28/04   |
| REACTOR UNIT:           | OY1  |
| DATA FEEDER:            | N/A  |
| NRC ERDS PARAMETER:     | RCIC Flow  |
| POINT ID:               | HB_RCFLO   |
| PLANT SPEC POINT DESC.: | Total Recirc Flow (calculated)   |
| GENERIC/COND DESC.:     | Reactor Core Isolation Cooling Flow  |
| ANALOG/DIGITAL:         | A  |
| ENGR UNITS/DIG STATES:  | GPM  |
| ENGR UNITS CONVERSION:  | Linear   |
| MINIMUM INSTR RANGE:    | 0  |
| MAXIMUM INSTR RANGE:    | 200000.0   |
| ZERO POINT REFERENCE:   | N/A  |
| REFERENCE POINT NOTES:  | N/A  |
| PROC OR SENS:           | P  |
| NUMBER OF SENSORS:      | 5  |
| HOW PROCESSED:          | Add  |
| SENSOR LOCATIONS:       | Downstream of recirc loop discharge valves   |
| ALARM/TRIP SET POINTS:  | N/A  |
| UNIQUE SYSTEM DESC.:    | Total recirc flow signal is also provided to the APRM flow bias unit in the neutron monitoring system. |

## DATA POINT LIBRARY REFERENCE FILE

|                        |   |
|------------------------|---|
| DATE:                  | 10/28/04                                  |
| REACTOR UNIT:          | OY1                                       |
| DATA FEEDER:           | N/A                                       |
| NRC ERDS PARAMETER:    | Stab Class                                |
| POINT ID:              | DT150A                                    |
| PLANT SPEC POINT DESC: | (150'-33') 15-Min Avg Delta T A           |
| GENERIC/COND DESC:     | Air Stability at the Reactor Site         |
| ANALOG/DIGITAL:        | A   |
| ENGR UNITS/DIG STATES: | Degrees Fahrenheit/117'                   |
| ENGR UNITS CONVERSION: | Volts to Degrees/117'                     |
| MINIMUM INSTR RANGE:   | 0 Volts                                   |
| MAXIMUM INSTR RANGE:   | 5 Volts                                   |
| ZERO POINT REFERENCE:  | N/A                                       |
| REFERENCE POINT NOTES: | N/A                                       |
| PROC OR SENS:          | S   |
| NUMBER OF SENSORS:     | 1   |
| HOW PROCESSED:         | N/A                                       |
| SENSOR LOCATIONS:      | Forked River Meteorological Tower         |
| ALARM/TRIP SET POINTS: | N/A                                       |
| UNIQUE SYSTEM DESC.:   | Forked River Meteorological Tower - DT150 |