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February 23, 1993
Refer to: RC-93-0046

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

Gentlemen:

Subject: VIRGIL C. SUMMER NUCLEAR STATION
DOCKET NO. 50/395
OPERATING LICENSE NO. NPF-12
UPDATE TO DATA POINT LIBRARY
(PR 900015-2)

Due to the final acceptance test of the Emergency Response Data System (ERDS), Virgil C. Summer Nuclear Station (VCSNS) is submitting an update to its Data Point Library. Page 31 has a corrected typographical error which changed the "POINT ID" from U0483A to U0483. Also, the "SENSOR LOCATION" on page 41 was given a more specific description (463 foot elevation of containment). Please incorporate the attached pages to the previously submitted Data Point Library.

Should there be any questions regarding this information, please contact David Haile at (803) 345-4322.

Very truly yours,

John L. Skolds

DCH:smd
Attachment

c: O. W. Dixon
R. R. Mahan
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General Managers
NSRC
RTS (PR 900015-2)
File (811.10 & 811.02 - 50.064)

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NUCLEAR EXCELLENCE - A SUMMER TRADITION!

Handwritten: 1026, 11

DATE : 02/11/93
REACTOR UNIT : VS1
DATA FEEDER : N/A
NRC ERDS PARAMETER : CNTMNT RAD
POINT ID : U6051
PLANT SPEC POINT DESC.: CONTAINMENT RAD HEALTHY AVG
GENERIC/COND. DESC. : RADIATION LEVEL IN CONTAINMENT
ANALOG/DIGITAL : A
ENGR UNITS/DIG STATES : R/HR
ENGR UNITS CONVERSION : EXPONENTIAL CONVERSION
MINIMUM INSTR. RANGE : 1.0
MAXIMUM INSTR. RANGE : 10000000.0
ZERO POINT REFERENCE : N/A
REFERENCE POINT NOTE : N/A
PROC OR SENS : P
NUMBER OF SENSORS : 2
HOW PROCESSED : HEALTHY AVERAGE
SENSOR LOCATIONS : 463 FOOT ELEV. OF CONTAINMENT
ALARM/TRIP SET POINTS : HIGH ALARM = 2 R/HR
NI DET. POWER CUT OFF : N/A
NI DET. POWER CUT ON : N/A
INSTR. FAILURE MODE : LOW
DP XMITTER TEMP. COMP.: N
LEVEL REFERENCE LEG : N/A

UNIQUE SYSTEM DESCRIPTION

This point is composed of the 2 high range containment radiation monitors. It is the healthy average of RMG7 and RMG18. Invalid signals are discarded from the calculation. If all of the inputs are invalid the result is marked invalid.

DATE : 10/20/92
REACTOR UNIT : VS1
DATA FEEDER : N/A
NRC ERDS PARAMETER : PRZR LEVEL
POINT ID : U0483
PLANT SPEC POINT DESC. : PRESSURIZER LEVEL 1/2/3 AVG
GENERIC/COND. DESC. : PRIMARY SYSTEM PRESSURIZER LEVEL
ANALOG/DIGITAL : A
ENGR UNITS/DIG STATES : %
ENGR UNITS CONVERSION : LINEAR CONVERSION
MINIMUM INSTR. RANGE : 0.0
MAXIMUM INSTR. RANGE : 100.0
ZERO POINT REFERENCE : LWHEAD
REFERENCE POINT NOTES : 100% LEVEL = 1400 CUBIC FEET
PROC OR SENS : P
NUMBER OF SENSORS : 3
HOW PROCESSED : STATISTICAL AVERAGE
SENSOR LOCATIONS : IN CONTAINMENT - OUTSIDE SHIELD WALL
ALARM/TRIP SET POINTS : HIGH ALARM = 92%
NI DET. POWER CUT OFF : N/A
NI DET. POWER CUT ON : N/A
INSTR. FAILURE MODE : HIGH
DP XMITTER TEMP. COMP. : N
LEVEL REFERENCE LEG : WET

UNIQUE SYSTEM DESCRIPTION

Pressurizer liquid level indication, is based on the statistical average of three instruments/transmitters. The transmitters provide the signal for use in the Reactor Control, Protection, and Chemical and Volume control systems. Each transmitter provides an independent high water level signal that is used to actuate an alarm and upon two out of three alarms will cause a reactor trip. The top of the heaters is represented by a level indication of 18% on this instrument.