



1650 CALVERT CLIFFS PARKWAY • LUSBY, MARYLAND 20657-4702

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VICE PRESIDENT
NUCLEAR ENERGY
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November 30, 1992

U. S. Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: Calvert Cliffs Nuclear Power Plant
Unit Nos. 1 & 2; Docket Nos. 50-317 & 50-318
Emergency Response Data System Implementation

REFERENCE: (a) Letter from Mr. G. C. Creech (BG&E) to Document Control Desk
(NRC), dated March 20, 1992, Emergency Response Data System
Revised Implementation Schedule

Gentlemen:

Calvert Cliffs's Emergency Response Data System (ERDS) completed final acceptance testing on October 30, 1992 as scheduled in Reference (a) Attachment 1 item 13. The final test demonstrated our ability to transmit critical parameters to the Nuclear Regulatory Commission in an emergency. Even so, it is important to note that our ERDS system updates parameters every 60 seconds instead of 15 seconds. This additional upgrade time is required to minimize demand on interfacing systems. Additionally, some data point library updating is required to provide the parametric information as desired. The necessary updates are attached.

Emergency Response Data System is connected to the site's normal telephone switching system, awaiting FTS-2000 (ERDS Channel) installation. We notified the ERDS Project Manager, Mr. John Jolicoeur, of this fact on October 28, 1992. He advised us that this should not affect declaring the system operational. Effective today, ERDS is operational at Calvert Cliffs. Inquiries regarding ERDS may be made to Mr. Tom Forgette at (410) 260-4996.

Should you have any further questions regarding this matter, we will be pleased to discuss them with you.

Very truly yours,

RED/REF/bjd

Attachment

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cc: D. A. Brune, Esquire
J. E. Silberg, Esquire
R. A. Capra, NRC
D. G. McDonald, Jr., NRC
T. T. Martin, NRC
P. R. Wilson, NRC
R. I. McLean, DNR
J. H. Walter, PSC

PWR DATA POINT LIBRARY REFERENCE FILE

REV DATE: 11/03/92

PAGE : 34

DATE: 11/03/92

REACTOR UNIT: CC1

DATA FEEDER: CC11

NRC ERDS PARAMETER: BWST LEVEL

POINT ID: SP2RWLVL

PLANT SPEC POINT DESC.: REFUELING WATER TANK LEVEL

GENERIC/COND DESC.: BORATED WATER STORAGE TANK LEVEL

ANALOG/DIGITAL: A

ENGR UNITS/DIG STATES: FEET

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 39

ZERO POINT REFERENCE: RE:USD

REFERENCE POINT NOTES: RE:USD (REFERENCE UNIQ SYS DESC)

PROC OR SENS: P

NUMBER OF SENSORS: 2

HOW PROCESSED: N/A

SENSOR LOCATIONS: N/A

ALARM/TRIP SET POINTS: N/A

NI DETECTOR POWER
SUPPLY CUT-OFF POWER LEV: N/A

NI DETECTOR POWER
SUPPLY TURN-ON POWER LEV: N/A

INSTRUMENT FAILURE MODE: N/A

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N

LEVEL REFERENCE LEG: WET

UNIQUE SYSTEM DESC.: THE REFUELING WATER TANK SUPPLIES 2300-2700 PPM
BORATED WATER TO THE SAFETY INJECTION SYSTEM AND
ALSO SUPPLIES WATER FOR USE DURING REFUELING. TANK
CAPACITY IS 420,000 GALS. AT 2.5 FEET THE SAFETY
INJECTION LINE-UP IS SWITCHED TO THE RECIRCULATION
MODE. THIS LEVEL IS EQUAL TO APPROX 10% OF TANK
VOLUME.

PWR DATA POINT LIBRARY REFERENCE FILE

REV DATE: 11/03/92

PAGE : 35

DATE: 11/03/92

REACTOR UNIT: CC1

DATA FEEDER: CC21

NRC ERDS PARAMETER: WIND SPEED

POINT ID: X2433

PLANT SPEC POINT DESC.: WIND SPEED

GENERIC/COND NAME: WIND SPEED AT REACTOR SITE

ANALOG/DIGITAL: A

ENGR UNITS/DIG STATES: MPH

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 100

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

NOW PROCESSED: N/A

SENSOR LOCATIONS: N/A

ALARM/TRIP SET POINTS: N/A

NI DETECTOR POWER
SUPPLY CUT-OFF POWER LEV: N/A

NI DETECTOR POWER
SUPPLY TURN-ON POWER LEV: N/A

INSTRUMENT FAILURE MODE: LOW

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: WIND SPEED INDICATION TO PLANT COMPUTER IS SUPPLIED
FROM THE BACK-UP MET TOWER LOCATED ON SITE. (THIS
POINT DOES NOT EXIST ON CC1 BUT IS SUPPLIED WITH
THE CC1 UPDATE SETS.)

PWR DATA POINT LIBRARY REFERENCE FILE

REV DATE: 11/03/92
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DATE: 11/03/92

REACTOR UNIT: CC1

DATA FEEDER: CC21

WRC ERDS PARAMETER: WIND DIR

POINT ID: X2367

PLANT SPEC POINT DESC.: WIND DIRECTION

GENERIC/COND DESC.: WIND DIRECTION AT REACTOR SITE

ANALOG/DIGITAL: A

ENGR UNITS/DIG STATES: DEG

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 1080

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: N/A

ALARM/TRIP SET POINTS: N/A

NI DETECTOR POWER
SUPPLY CUT-OFF POWER LEV: N/A

NI DETECTOR POWER
SUPPLY TURN-ON POWER LEV: N/A

INSTRUMENT FAILURE MODE: 0 DEGREES (NORTH)

TEMPERATURE COMPENSATION
FOR CP TRANSMITTERS: N

LEVEL REFERENCE LFG: N/A

UNIQUE SYSTEM DESC.: WIND DIRECTION TO PLANT COMPUTER IS SUPPLIED FROM
THE BACK-UP MET TOWER ON SITE. (THIS POINT DOES
NOT EXIST ON CC1 BUT IS SUPPLIED WITH THE CC1
UPDATE SETS.)

PWR DATA POINT LIBRARY REFERENCE FILE

REV DATE: 11/03/92

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DATE: 11/03/92

REACTOR UNIT: CC2

DATA FEEDER: CC21

NRC ERDS PARAMETER: RCS LTDN RAD

POINT ID: R52021

PLANT SPEC POINT DESC.: PROCESS RAD MONITOR

GENERIC/COND DESC.: RAD LEVEL OF RCS LETDOWN LINE

ANALOG/DIGITAL: A

ENGR UNITS/DIG STATES: KCPM

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 1E-2

MAXIMUM INSTR RANGE: 1E3

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: N/A

PROC OR SENS: P

NUMBER OF SENSORS: 1

HOW PROCESSED: INVERSE LOG OF INSTRUMENT VALUE

SENSOR LOCATIONS: N/A

ALARM/TRIP SET POINTS: N/A

HI DETECTOR POWER
SUPPLY CUT-OFF POWER LEV: N/A

HI DETECTOR POWER
SUPPLY TURN-ON POWER LEV: N/A

INSTRUMENT FAILURE MODE: N/A

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: THE CVCS LIGN RAD MONITOR IS INSTALLED IN THE LET
DOWN LINE TO MONITOR GROSS REACTOR COOLANT ACTIVITY
INDICATING A POTENTIAL FUEL ELEMENT FAILURE.

PWR DATA POINT LIBRARY REFERENCE FILE

REV DATE: 11/03/92

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DATE: 11/03/92

REACTOR UNIT: CC2

DATA FEEDER: CC21

NRC ERDS PARAMETER: SG 3D RAD 1A

POINT ID: R40141

PLANT SPEC POINT DESC.: STM GEN BLOWDOWN ACTIVITY

GENERIC/COND DESC.: STM GEN 21 BLOWDOWN RAD LEVEL

ANALOG/DIGITAL: A

ENGR UNITS/DIG STATES: KCPM

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 1E-2

MAXIMUM INSTR RANGE: 1E8

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: N/A

PROC OR SENS: P

NUMBER OF SENSORS: 1

HOW PROCESSED: INVERSE LOG OF INSTRUMENT VALUE

SENSOR LOCATIONS: N/A

ALARM/TRIP SET POINTS: 1000 CPM

NI DETECTOR POWER
SUPPLY CUT-OFF POWER LEV: N/A

NI DETECTOR POWER
SUPPLY TURN-ON POWER LEV: N/A

INSTRUMENT FAILURE MOD.: N/A

TEMPERATURE COMPENSATION
FOR OP TRANSMITTERS: N

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: THIS DETECTOR MONITORS A SMALL PORTION OF THE STM GEN BLOWDOWN TO PROVIDE OPERATORS WITH AN EARLY INDICATION OF STM GEN U-TUBE LEAKAGE. ACTUATION OF THE HIGH ALARM AUTOMATICALLY SHUT THE SURFACE BLOWDOWN AND THE BOTTOM BLOWDOWN ISOLATION VALVES. OF BOTH #11 & #12 STEAM GENERATORS THIS MONITOR IS IN THE LINE OF THE BLOWDOWN TANK AND IS COMMON TO BOTH STM GEN.

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PAGE : 34

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MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 32

ZERO POINT REFERENCE: RE:USD

REFERENCE POINT NOTES: RE:USD (REFERENCE UNIQ SYS DESC)

PROC OR SENS: P

NUMBER OF SENSORS: 2

HOW PROCESSED: N/A

SENSOR LOCATIONS: N/A

ALARM/TRIP SET POINTS: N/A

N1 DETECTOR POWER
SUPPLY CUT-OFF POWER LEV: N/A

N2 DETECTOR POWER
SUPPLY TURN-ON POWER LEV: N/A

INSTRUMENT FAILURE MODE: N/A

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: X

LEVEL REFERENCE LEG: WET

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