



April 10, 2006

U. S. Nuclear Regulatory Commission  
Washington, DC 20555

**ATTENTION:** Document Control Desk

**SUBJECT:** Calvert Cliffs Nuclear Power Plant  
Unit No. 1; Docket No. 50-317  
Emergency Response Data System

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The attached revision to the Emergency Response Data System (ERDS) Data Point Library for the Calvert Cliffs Nuclear Power Plant is provided pursuant to 10 CFR Part 50, Appendix E, Section VI.3.a.

The table below provides a brief summary of the changes:

Point Identifier	Unit	Description	Previous Sensor Location	New Sensor Location
SP2I12	1	Reactor Vessel Level	185 inches	160 inches
SP2I12	1	Reactor Vessel Level	153 inches	151 inches

The "before" and "after" ERDS Data Point Library sheets are attached.

Should you have questions regarding this matter, please contact Mr. L. S. Larragoite at (410) 495-4922.

Very truly yours,

A handwritten signature in black ink, appearing to read "Edward N. Schinner".

Edward N. Schinner  
Director – Emergency Planning

ENS/CAN/bjd

Attachment: Emergency Response Data System Data Point Library (2 pages)

cc: P. D. Milano, NRC  
S. J. Collins, NRC  
Resident Inspector, NRC

R. I. McLean, DNR  
J. R. Jolicoeur, NRC

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**ATTACHMENT (1)**

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**EMERGENCY RESPONSE DATA SYSTEM**

**DATA POINT LIBRARY**

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## PWR Data Point Library Reference File

Report Date : 04-03-2006

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Date: 3/10/2006

Reactor Unit: CC1

Data Feeder: CC11

NRC IIRDS Parameter: REC VES LEV

Point ID: SP2112

Plant Specific Point Description: REACTOR VESSEL LEVEL

Generic / Condition Description: REACTOR VESSEL WATER LEVEL

Analog / Digital: A

ENGR Units / Digital States: INCHES

ENGR Units Conversion: N/A

Minimum Instrument Range: N/A

Maximum Instrument Range: N/A

Zero Point Reference: FAP

Reference Point Notes: N/A

Proc or Sens: P

Number of Sensors: 32

How Processed: RE:USD (REFERENCE UNIQ SYS DESC)

Sensor Locations: 160,151,112,71,50,29,19, & 10" ABOVE FAP

Alarm / Trip Setpoints: VOID DETECTED

NI Detector Power  
Supply Cut-Off Power Level: N/A

NI Detector Power  
Supply Turn-on Power Level: N/A

Instrument Failure Mode: N/A

Temperature Compensation  
for DP Transmitters: N

Level Reference Leg: N/A

Unique System Description: 8 HEATED JUNCTION THERMOCOUPLES (HJTC) ARE SPACED STRATEGICALLY NEAR THE VICINITY OF ONE HOT LEG OUTLET NOZZLE. AS HJTC IS UNCOVERED THE LVL THAT THE REACTOR HEAD IS UNCOVERED IS INDICATED IN INCREMENTAL STEPS. THE 1ST HJTC IS 160" FROM TOP OF FUEL ALIGNMENT PLATE(FAP); 8TH HJTC IS 10" FROM FAP; 5TH HJTC IS 50" FROM FAP WHICH IS THE CENTER LINE OF THE HOT LEGS. HOW PROCESSED: WHEN LVL DECREASES A VOID IN THE HJTC WILL PROVIDE AN OUTPUT SIGNAL FOR THAT SPECIFIC HJTC POSITION.

PWR DATA POINT LIBRARY REFERENCE FILE

REV DATE: 11/04/92  
PAGE : 2

DATE: 07/05/91  
REACTOR UNIT: CC1  
DATA FEEDER: CC11  
NRC ERDS PARAMETER: REC VES LEV  
POINT ID: SP2112  
PLANT SPEC POINT DESC.: REACTOR VESSEL LEVEL  
GENERIC/COND DESC.: REACTOR VESSEL WATER LEVEL  
ANALOG/DIGITAL: A  
ENGR UNITS/DIG STATES: INCHES  
ENGR UNITS CONVERSION: N/A  
MINIMUM INSTR RANGE: N/A  
MAXIMUM INSTR RANGE: N/A  
ZERO POINT REFERENCE: FAP  
REFERENCE POINT NOTES: N/A  
PROC OR SENS: P  
NUMBER OF SENSORS: 32  
HOW PROCESSED: RE:USD (REFERENCE UNIQ SYS DESC)  
SENSOR LOCATIONS: 185,153,112,71,50,29,19, & 10" ABOVE FAP  
ALARM/TRIP SET POINTS: VOID DETECTED  
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: N/A  
UNIQUE SYSTEM DESC.: 8 HEATED JUNCTION THERMOCOUPLES (HJTC) ARE SPACED STRATEGICALLY IN A VACANT CEA SHROUD ASSEMBLY NEAR THE VICINITY OF ONE HOT LEG OUTLET NOZZLE. AS HJTC IS UNCOVERED THE LVL THAT THE REACTOR HEAD IS UNCOVERED IS INDICATED IN INCREMENTAL STEPS. THE 1ST HJTC IS 185" FROM TOP OF FUEL ALIGNMENT PLATE(FAP); 8TH HJTC IS 10" FROM FAP; 5TH HJTC IS 50" FROM FAP WHICH IS THE CENTER LINE OF THE HOT LEGS. HOW PROCESSED: WHEN LVL DECREASES A VOID IN THE HJTC WILL PROVIDE AN OUTPUT SIGNAL FOR THAT SPECIFIC HJTC POSITION.