



Tennessee Valley Authority, Post Office Box 2000, Decatur, Alabama 35609-2000

April 16, 2001

10 CFR 50, Appendix E

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Gentlemen:

In the Matter of) Docket No. 50-260
Tennessee Valley Authority)

**BROWNS FERRY NUCLEAR PLANT (BFN) - UNIT 2 - REVISIONS TO THE
EMERGENCY RESPONSE DATA SYSTEM (ERDS) DATA POINT LIBRARY**

In accordance with 10 CFR 50, Appendix E, Section VI.3.a "Emergency Response Data System," TVA is providing notification of revisions to the BFN Unit 2 ERDS Data Point Library. These revisions were implemented on March 22, 2001, and require NRC notification within 30 days.

The enclosure to this letter provides revisions to the Unit 2 Data Point Library. The revision involves changing the Reactor Pressure Vessel Water Level-Low, Level 3, scram setpoint from 11.2 inches to 2 inches. A similar change was previously submitted for BFN Unit 3 by letter dated May 17, 2000.

There are no commitments contained in this letter. If you have any questions please contact me at (256) 729-2636.

Sincerely,

T. E. Abney
Manager of Site Licensing
and Industry Affairs

A026

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Enclosure

cc (Enclosure):

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ENCLOSURE

TENNESSEE VALLEY AUTHORITY
BROWNS FERRY NUCLEAR PLANT
UNIT 2

REVISION TO THE EMERGENCY RESPONSE DATA SYSTEM
DATA POINT LIBRARY

(See Attached)

BROWNS FERRY UNIT 2 - ERDS DATA POINT LIBRARY

	<u>DATE</u>	<u>NRC ERDS PARAMETER</u>	<u>POINT ID</u>	<u>PLANT SPECIFIC POINT DESCRIPTION</u>
1	12/18/2000	NI POWER RNG	SPDS0001	RX POWER APRM - COMPOSED
2	12/18/2000	NI INTER RNG	CALC045	AVERAGE OF 8 IRM'S
3	12/18/2000	NI SOURC RNG	SPDS0041	RX POWER SRM - AVG
4	03/22/2001	REAC VES LEV	SPDS0007	RX WATER LEVEL - COMPOSED
5	12/18/2000	MAIN FD FLOW	CALC040	RFW FLOW TO REACTOR
6	12/18/2000	RCIC FLOW	71-36	RCIC PUMP DISCHARGE FLOW
7	12/18/2000	RCS PRESSURE	SPDS0008	RX PRESSURE - COMPOSED
8	12/18/2000	HPCI FLOW	73-33	HPCI PUMP DISCHARGE FLOW
9	12/18/2000	LPCI FLOW	74-50	RHR SYS I FLOW
10	12/18/2000	LPCI FLOW	74-64	RHR SYS II FLOW
11	12/18/2000	CR SPRAY FL	75-21	CORE SPRAY SYS I FLOW
12	12/18/2000	CR SPRAY FL	75-49	CORE SPRAY SYS II FLOW
13	12/18/2000	CND A/E RAD	SPDS0047	OFFGAS POST TREATMENT AVG
14	12/18/2000	CND A/E RAD	90-157	OFFGAS PRE TREATMENT AVG
15	12/18/2000	DW RAD	90-272A	DW RAD-RX 555, 135 DEG AZIMUTH
16	12/18/2000	DW RAD	90-273A	DW RAD-RX 560, 270 DEG AZIMUTH
17	12/18/2000	MN STEAM RAD	90-136	MAIN STM LINE A RAD LEVEL
18	12/18/2000	MN STEAM RAD	90-137	MAIN STM LINE C RAD LEVEL
19	12/18/2000	MN STEAM RAD	90-138	MAIN STM LINE B RAD LEVEL
20	12/18/2000	MN STEAM RAD	90-139	MAIN STM LINE D RAD LEVEL
21	12/18/2000	DW PRESS	SPDS0009	DRYWELL PRESSURE - COMPOSED
22	12/18/2000	DW TEMP	SPDS0010	DRYWELL TEMPERATURE - COMPOSED
23	12/18/2000	SP TEMP	SPDS0016	SUPPR PL WTR TEMP - COMPOSED
24	12/18/2000	SP LEVEL	SPDS0013	SUPPR PL WTR LVL (IN) - COMPOSED
25	12/18/2000	H2 CONC	SPDS0017	DRYWELL H2 - COMPOSED
26	12/18/2000	O2 CONC	76-43	DRYWELL OXYGEN CONCENTRATION
27	12/18/2000	CST LEVEL	2-161	CST #2 (UNIT 2) LEVEL

BFN UNIT 2	EMERGENCY RESPONSE DATA SYSTEM (ERDS) DATA POINT LIBRARY APPENDIX A	2-TI-411 PAGE 11 OF 45 REV 000A
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ERDS Point Number: 4 REAC VES LEV SPDS0007 Reactor Vessel Water Level

Date: 3/22/2001
Reactor Unit: BF2
Data Feeder: 1
NRC ERDS Parameter: REAC VES LEV
Point ID: SPDS0007
Plant Spec Point Desc: RX WATER LEVEL - COMPOSED
GenericCond Desc: Reactor Vessel Water Level

Analog/Digital: A
Engr Units/Dig States: INCHES
Engr Units: N/A
Minimum Instr Range: -268
Maximum Instr Range: 400
Zero Point Reference: MSSKRT
Reference Point Notes: 528" above vessel zero

PROC or SENS: P
Number of Sensors: 11
How Processed: Weighted Average w/Fault Detect (PSVA)
Sensor Locations: N/A
Alarm/Trip Set Points: All modes: HIHI=51 HI=39 LO=27 LOLO=2

NID Power Cutoff Level: N/A
NID Power Cut-On: N/A
Instrument Failure Mode: N/A
Temperature Compensation: Y
Level Reference Leg: N/A
Unique System Desc: Combines one 0 - +400 (floodup), four -10 - +70 (Normal), four -155 - +60 (Emerg) and two -268 - +32 (post accident) into one wide range indication; therefore, for off normal conditions this point could be difficult to interpret. Instruments are calibrated for normal operating conditions, except for the floodup instrument which is calibrated for atmospheric conditions, and the post accident instruments which are calibrated assuming 212 degrees Fahrenheit water in all lines. Top of fuel is at -162".