



Tennessee Valley Authority, Post Office Box 2000, Soddy-Daisy, Tennessee 37379

November 27, 1996

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

Gentlemen:

In the Matter of
Tennessee Valley Authority

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Docket Nos. 50-328

SEQUOYAH NUCLEAR PLANT (SQN) - NRC BULLETIN 96-01, "CONTROL ROD
INSERTION PROBLEMS" REPORT

Reference: TVA letter to NRC dated April 5, 1996, Sequoyah Nuclear Plant (SQN)
and Watts Bar Nuclear Plant (WBN) Response To NRC Bulletin 96-01,
"Control Rod Insertion Problems" dated March 8, 1996

TVA is providing the control rod-drop time data for the recent Unit 2 forced outage of October 1996, as committed in response to NRC Bulletin 96-01. The data for the rod-drop tests performed on November 1, 1996, and the fuel burnup times are included as an enclosure to this letter. The rod-drop times and fuel burnup for each rodged fuel assembly at the start of the Unit 2 Cycle 8 operation is also included for comparison. The control and shutdown rods exhibited rod recoil during the November test. During the reactor trip initiated on October 10, 1996, all rods fully inserted into the core with no observed discrepancies.

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Please direct questions concerning this issue to Keith Weller at (423) 843-7527.

Sincerely,

R. H. Shell

R. H. Shell

Manager

SQN Site Licensing and Industry Affairs

Sworn to and subscribed before me
this 27th day of November 1996

Brenda L. Coffman

Notary Public

My Commission Expires 10/21/98

Enclosure

cc: See page 3

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cc (Enclosure):

Mr. R. W. Hernan, Project Manager
Nuclear Regulatory Commission
One White Flint, North
11555 Rockville Pike
Rockville, Maryland 20852-2739

NRC Resident Inspector
Sequoyah Nuclear Plant
2600 Igou Ferry Road
Soddy-Daisy, Tennessee 37379-2000

Regional Administrator
U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323-2711

ENCLOSURE

SEQUOYAH NUCLEAR PLANT
 UNIT 2 FORCED OUTAGE, OCTOBER 1996
 Unit 2 Cycle 8 Burnup vs Rod Position

ROD	BURNUP		TYPE	DROP TIMES Sec	
	06/06/96	09/30/96		06/06/96	11/01/96
SA D14	23253.95	25755.7	V5H	1.45	1.44
SA B12	23162.23	25670.01	V5H	1.3	1.32
SA M14	23195.01	25706.34	V5H	1.45	1.39
SA P12	23206.7	25703.36	V5H	1.35	1.32
SA P4	23208.12	25720.86	V5H	1.35	1.32
SA M2	23270.88	25774.45	V5H	1.45	1.37
SA D2	23142.99	25648.68	V5H	1.45	1.43
SA B4	23189.56	25684.38	V5H	1.35	1.33
SB J13	20782.46	26043.61	V5H	1.3	1.28
SB G13	20797.71	26062.53	V5H	1.3	1.31
SB N9	20778.45	26038.4	V5H	1.3	1.29
SB N7	20791.46	26054.89	V5H	1.3	1.32
SB C9	20818.14	26088.32	V5H	1.3	1.26
SB C7	20790.64	26053.67	V5H	1.3	1.25
SB J3	20786.73	26048.77	V5H	1.3	1.32
SB G3	20783.86	26045.37	V5H	1.3	1.32
SC L13	0	5270.91	V5H	1.3	1.3
SC C11	0	5273.11	V5H	1.3	1.25
SC N5	0	5277.95	V5H	1.3	1.29
SC E3	0	5273.74	V5H	1.4	1.33
SD E13	0	5269.56	V5H	1.3	1.31
SD N11	0	5285.21	V5H	1.3	1.26
SD C5	0	5271.33	V5H	1.25	1.26
SD L3	0	5274.36	V5H	1.3	1.31
CA K8	0	5189.04	V5H	1.3	1.29
CA H10	0	5179.2	V5H	1.3	1.29
CA H6	0	5187.44	V5H	1.3	1.29
CA F8	0	5183.46	V5H	1.3	1.29
CB K14	0	4507.78	V5H	1.4	1.31
CB F14	0	4505.5	V5H	1.4	1.36
CB P10	0	4507.83	V5H	1.25	1.29
CB B10	0	4511.81	V5H	1.3	1.29
CB P6	0	4513.97	V5H	1.3	1.29
CB B6	0	4497.53	V5H	1.3	1.29
CB K2	0	4505.87	V5H	1.4	1.37
CB F2	0	4516.3	V5H	1.4	1.36
CC H2	0	4930.61	V5H	1.35	1.29
CC K6	22215.23	26850.95	V5H	1.3	1.25
CC F6	22185.65	26815.2	V5H	1.3	1.26
CC P8	0	4954.09	V5H	1.3	1.29
CC B8	0	4933.25	V5H	1.3	1.26
CC K10	22186.99	26816.81	V5H	1.3	1.23
CC F10	22248.99	26891.75	V5H	1.3	1.27
CC H14	0	4954.4	V5H	1.35	1.33

Unit 2 Cycle 8 Burnup vs Rod Position

ROD	BURNUP		TYPE	DROP TIMES Sec	
	06/06/96	09/30/96		06/06/96	11/01/96
CD M12	23597.84	28425.29	V5H	1.3	1.29
CD H12	0	5390.4	V5H	1.2	1.28
CD D12	23545.58	28362.33	V5H	1.3	1.29
CD M8	0	5394.82	V5H	1.3	1.31
CD H8	18077.02	22102.38	V5H	1.4	1.34
CD D8	0	5394.84	V5H	1.3	1.29
CD M4	23567.04	28388.18	V5H	1.3	1.27
CD H4	0	5392.91	V5H	1.4	1.37
CD D4	23597.74	28425.16	V5H	1.4	1.29