

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

July 23, 1980

Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Region II - Suite 3100
101 Marietta Street
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

WATTS BAR NUCLEAR PLANT UNIT 1 - NRC-OIE REGION II LETTER RII:CJ
50-390/80-08 - SUPPLEMENTAL INFORMATION ON TVA'S RESPONSE TO
INFRACTION 80-08-01

The subject letter dated June 26, 1980, requested that TVA provide additional corrective action which will be taken to avoid further non-compliance and the date when full compliance will be achieved. The following is TVA's response to that request.

The plant areas with open pipe ends and manways left unattended, as identified by the NRC resident inspectors, were inspected by craft and engineering management employees. In most instances, the findings were confirmed by TVA. TVA recognizes the ongoing problem of keeping pipe ends and manways covered; however, the situations as found should not have occurred.

We have taken the following additional steps to strengthen this aspect of our QA program.

1. Craft supervision has again emphasized to craft foremen and craftsmen the necessity of keeping openings covered when left unattended.
2. Craft supervision has been instructed to take disciplinary action as necessary for violations.
3. Additional craft employees have been assigned to check work areas daily for openings left unattended. All plant areas have now been inspected, and all unattended openings found have been covered.
4. Mechanical engineering employees have again been instructed to be alert for unattended openings when making inspections.

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Mr. James P. O'Reilly, Director

July 23, 1980

We believe these steps have brought this problem under control.

We are in full compliance as of July 14, 1980.

If you have any questions concerning this matter, please get in touch with D. L. Lambert at FTS 857-2581.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills, Manager
Nuclear Regulation and Safety

cc: Mr. Victor Stello, Jr., Director ✓
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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MAY

July 11, 1980

TO ALL APPLICANTS FOR OPERATING LICENSES AND CONSTRUCTION PERMIT HOLDERS

In the process of establishing priorities for the licensing reviews of operating license applications, we rely principally on the best estimates of the construction completion date of utilities. In most cases, this date will be confirmed or modified by our Caseload Forecast Panel which usually visits a specific plant site no more than once a year. Because of a number of recent slippages in applicants' construction completion schedules, we believe it is appropriate at this time to request up-to-date schedules from all applicants. Accordingly, we are requesting you to advise us of your present best estimate of the construction completion date for your facility (facilities) and fuel load target date so that we may establish our licensing priorities based on the latest available data. For your information, I have enclosed a listing provided to the House Appropriations Subcommittee of target schedules for those plants seeking operating licenses in the next three years. Those applicants not listed in the enclosure should provide the date they plan to tender their Operating License Application (FSAR and ER) to the NRC.

Upon receipt of your response, we anticipate a potential revision to our present licensing review priorities. Note that the order of our priorities is somewhat influenced by a hearing which is required for some of the OL applications. Inasmuch as we are still limited in our casework by our manpower resources, we request that your response be as up-to-date as possible.

Please provide your response within thirty days of receipt of this letter.

Sincerely,

Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation

Enclosure:
As Stated

ccs w/encl:
Service List

TABLE 1
 TARGET DATES OF LICENSING STEPS FOR PLANTS SEEKING
 OPERATING LICENSES IN THE NEXT THREE YEARS

Plant	FSAR		ER		SER	ACRS	SER * Suppl.	DES	FES*	Hearing**		Const. Comp.***		ASLD** Decision	OL Issued
	Tendered	Docketed	Tendered	Docketed						Start	Comp.	App.Est.	NRC Est.		
<u>EAST CENTRAL AREA RELIABILITY COORDINATION AGREEMENT</u>															
<u>Zimmer 1</u>	5/75	9/75	6/75	9/75	1/79	3/79	10/80E	10/76	6/77	6/79	12/80E	8/80E	2/81E	2/81E	2/81E
<u>Fermi 2</u>	10/74	4/75	10/74	4/75	3/81E	4/81E	6/81E	12/80E	5/81E	7/81E 6/81E	9/81E 8/81E	6/81E	11/81E	11/81E	11/81E
<u>Midland 2</u>	8/77	11/77	3/78	4/78	10/82E	11/82E	1/83E	6/80E	11/80E	2/83E	8/83E	4/84E	4/84E	10/83E	4/84E (1)
<u>Midland 1</u>	8/77	11/77	3/78	4/78	10/82E	11/82E	1/83E	6/80E	11/80E	2/83E	8/83E	9/84E	9/84E	10/83E	9/84E (1)
<u>Marble Hill</u>	6/79	3/82E	6/79	4/83E	1/84E	2/84E	4/84E	11/83E	4/84E	8/84E	1/85E	4/82E	4/85E	3/85E	4/85E (2)
<u>ELECTRIC RELIABILITY COUNCIL OF TEXAS</u>															
<u>Comanche Peak 1</u>	3/78	5/78	3/78	1/79	3/81E	4/81E	6/81E	9/80E	2/81E	9/81E	12/81E	3/81E	2/82E	2/82E	2/82E
<u>South Texas 1</u>	5/78	7/78	5/78	7/78	11/82E	12/82E	3/83E	4/82E	9/82E	4/83E	7/83E	9/83E	9/83E	9/83E	9/83E
<u>MID-ATLANTIC AREA COUNCIL</u>															
<u>Salem 2</u>	8/71	8/71	7/71	7/71	10/71	2/79	4/80E(LP) 10/80E(FP)	10/72	4/73	None	Req'd	2/80	4/80E	NA	4/80E (LP) 10/80E (FP)
<u>Susque- hanna 1</u>	4/78	7/78	5/78	6/78	2/81E	3/81E	5/81E	6/79	11/80E	6/81E 12/80E	8/81E 1/81E	4/81	10/81E	10/81E 3/81E	10/81E
<u>Susque- hanna 2</u>	4/78	7/78	5/78	6/78	2/81E	3/81E	5/81E	6/79	11/80E	6/81E 12/80E	8/81E 1/81E	4/82E	4/83E	10/81E 3/81E	4/83E

Plant	FSAH		LR		SER	ACRS	SR* Suppl.	DLS	FES*	Hearing**		Const. Comp.***		ASLH** Decision	UL Issued
	Tendered	Docketed	Tendered	Docketed						Start	Comp.	App. Est.	IRC Est.		
<u>MID-AMERICA INTERPOOL NETWORK</u>															
<u>LaSalle 1</u>	9/76	5/77	10/76	5/77	9/80E	10/80E	12/80E	3/78	11/78	None	Req'd	6/80E	12/80E	NA	12/80E
<u>LaSalle 2</u>	9/76	5/77	10/76	5/77	9/80E	10/80E	12/80E	3/78	11/78	None	Req'd	6/81E	2/82E	NA	2/82E
<u>Byron 1</u>	6/78	11/78	6/78	11/78	10/81E	11/81E	1/82E	2/81E	7/81E	2/82E 8/80E	4/82E 10/81E	4/82E	7/82E	6/82E 12/81E	7/82E
<u>Byron 2</u>	6/78	11/78	6/78	11/78	10/81E	11/81E	1/82E	2/81E	7/81E	2/82E 6/81E	4/82E 10/81E	4/83E	7/83E	6/82E 12/81E	7/83E
<u>Braidwood 1</u>	6/78	11/78	6/78	11/78	10/81E	11/81E	1/82E	1/83E	6/83E	2/82E 7/83E	4/82E 10/83E	5/83E	6/84E	6/82E 12/83E	6/84E
<u>Braidwood 2</u>	6/78	11/78	6/78	11/78	10/81E	11/81E	1/82E	1/83E	6/83E	2/82E 7/83E	4/82E 10/83E	4/84E	6/85E	6/82E 12/83E	6/85E
<u>Callaway 1</u>	10/79	8/80E	10/79	12/80E	6/82E	7/82E	8/82E	7/81E	12/81E	9/82E	10/82E	10/82E	12/82E	12/82E	12/82E
<u>Clinton 1</u>	12/79	10/80E	12/79	3/81E	9/82E	10/82E	11/82E	10/81E	3/82E	12/82E	1/83E	4/82E	3/83E	3/83E	3/83E
<u>NORTHEAST POWER COORDINATING COUNCIL</u>															
<u>Shoreham</u>	9/75	1/76	9/75	1/76	9/80E	10/80E	12/80E	3/77	10/77	1/81E	8/81E	11/80E	10/81E	10/81E	10/81E
<u>SOUTHEASTERN ELECTRIC RELIABILITY COUNCIL</u>															
<u>North Anna 2</u>	5/73	5/73	6/70	6/70	6/76	1/77	4/80 (LP) 10/80E (FP)	12/72	4/73	11/76 9/75	6/77 9/75	4/80	4/80	11/77 12/75	4/80 (LP) 10/80E (FP)
<u>Sequoyah 1</u>	12/73	1/74	(3)	(3)	3/79	5/79	2/80 (LP) 9/80E (FP)	10/71	7/74	None 7/74	Req'd 7/74	2/80	2/80	NA 2/75	2/80 (LP) 9/80E (FP)
<u>Sequoyah 2</u>	12/73	1/74	(3)	(3)	3/79	5/79	5/81E	10/71	7/74	None 7/74	Req'd 7/74	8/80E	5/81E	NA 2/75	5/81E

Plant	FSAR		ER		SER	ACRS	SER* Suppl.	DES	FES*	Hearing**		Const. Comp.***		ASLB** Decision	OL Issued
	Tendered	Docketed	Tendered	Docketed						Start	Comp.	App. Est.	NRC Est.		
<u>SOUTHEASTERN ELECTRIC RELIABILITY COUNCIL (CON'T)</u>															
<u>McGuire 1</u>	4/74	5/74	4/74	5/74	3/78	4/78	7/80E	10/75	4/76	8/78 3/77	8/78 4/77	5/80E	11/80E	4/79	11/80E (4)
<u>McGuire 2</u>	4/74	5/74	4/74	5/74	3/78	4/78	7/80E	10/75	4/76	8/78 3/77	8/78 4/77	1/82E	2/82E	4/79	2/82E (4)
<u>Watts Bar 1</u>	6/76	10/76	(5)	(5)	1/81E	2/81E	4/81E	6/78	12/78	None	Req'd	9/80E	5/81E	NA	5/81E
<u>Watts Bar 2</u>	6/76	10/76	(5)	(5)	1/81E	2/81E	4/81E	6/78	12/78	None	Req'd	6/81E	3/82E	NA	3/82E
<u>Summer 1</u>	12/76	2/77	12/76	2/77	8/80E	9/80E	11/80E	6/79	9/80E	12/80E 10/80E	2/81E 12/80E	12/80E	12/80E	4/81E 2/81E	4/81E
<u>Farley 2</u>	8/73	8/73	8/73	8/73	5/75	6/75	7/80E(LP) 12/80E(FP)	7/74	12/74	None	Req'd	6/80E	7/80E	NA	7/80E(LP) 12/80E(FP)
<u>Bellefonte 1</u>	2/78	6/78	2/78	6/78	2/82E	3/82E	6/82E	2/81E	7/81E	None	Req'd	7/82E	7/82E	NA	7/82E
<u>Bellefonte 2</u>	2/78	6/78	2/78	6/78	2/82E	3/82E	6/82E	2/81E	7/81E	None	Req'd	6/83E	6/83E	NA	6/83E
<u>Catawba 1</u>	3/79	10/80E	3/79	10/80E	8/82E	9/82E	10/82E	5/82E	9/82E	12/82E	2/83E	4/83E	4/83E	4/83E	4/83E
<u>SOUTHWEST POWER POOL</u>															
<u>Grand Culpeper</u>	4/78	6/78	4/78	6/78	5/81E	6/81E	8/81E	2/81E	7/81E	None	Req'd	9/81E	9/81E	NA	9/81E
<u>Waterford 3</u>	9/78	12/78	9/78	12/78	5/81E	6/81E	8/81E	3/81E	8/81E	9/81E	12/81E	10/81E	2/82E	2/82E	2/82E
<u>Wolf Creek</u>	2/80	3/81E	2/80	10/81E	1/83E	2/83E	4/83E	5/82E	10/82E	7/83E	8/83E	10/82E	10/83E	10/83E	10/83E
<u>WESTERN SYSTEMS COORDINATING COUNCIL</u>															
<u>Diablo Canyon 1</u>	10/73	10/73	8/71	8/71	10/74	7/78	5/80E(LP) 1/81 (FP)	12/72	5/73	10/77 12/76	8/80E 12/76	5/80E	5/80E	10/80E	10/80E (LP) 1/81E (FP)
<u>Diablo Canyon 2</u>	10/73	10/73	8/71	8/71	10/74	7/78	1/81 (FP)	12/72	5/73	10/77 12/76	8/80E 12/76	3/81E	3/81E	10/80E	3/81E

Plant	SAR		LR		SCR	ACRS	SCR Suppl.	DES	FES*	Hearing**		Const. Comp.***		ASLU** Decision	OL Issued
	Tendered	Docketed	Tendered	Docketed						Start	Comp.	App. Est.	MRC Est.		
<u>WESTERN SYSTEMS COORDINATING COUNCIL (CON'T)</u>															
<u>San Onofre 2</u>	11/76	3/77	11/76	3/77	8/80E	9/80E	12/80E	11/78	10/80E	1/81E 10/80E	4/81E 11/80E	11/80E	5/81E	6/81E 1/81E	6/81E
<u>San Onofre 3</u>	11/76	3/77	11/76	3/77	8/80E	9/80E	12/80E	11/78	10/80E	1/81E 10/80E	4/81E 11/80E	1/81E	5/82E	6/81E 1/81E	5/82E
<u>Washington Nuclear 2</u>	3/78	6/78	12/76	4/77	3/82E	4/82E	7/82E	1/81E	6/81E	None	Req'd	7/82E	7/82E	NA	7/82E
<u>Palo Verde</u>	10/79	12/80E	12/79	12/80E	5/82E	6/82E	7/82E	7/81E	12/81E	8/82E	10/82E	11/82E	12/82E	12/82E	12/82E

ASSUMPTIONS USED FOR PROJECTING TARGET SCHEDULES

Commission decision on full-power NTOL requirements made in June 1980.

Commission decision on treatment of Class 9 accidents in NEPA statements adopts staff recommendation in SECY 80-131 and is made in June 1980.

Projected safety reviews are generally scheduled to start 33 months prior to construction completion dates including time for ACRS review and hearings.

Projected environmental reviews are generally scheduled to start 24 months prior to construction completion dates including time for hearing.

For plants with construction completion dates before the end of 1982 the target schedules for OL review were developed, based on the NRC construction completion dates, on a plant specific basis to minimize delays in OL issuance.

FOOTNOTES FOR TABLE 1

E Denotes estimated date

* Date entered is for last supplement to SER/FES issued.

** Where two entries are made, first entry concerns radiological safety matters and second concerns environmental matters. A single entry indicates Hearing and/or ASLB decision considered both radiological and safety matters.

*** The difference in estimates for construction completion, between the applicant and NRC, is attributable to an independent assessment by the NRC staff of factors affecting construction completion. Generally, the NRC staff estimates are more conservative (i.e., later completion dates) and are based upon actual experience in constructing similar plants. Second unit of a dual unit facility is usually completed about 18 months after first unit.

(LP) denotes low power

(FP) denotes full power

(1) Applicant construction schedule slipped from 11/80 to 4/84 due to foundation problems with auxiliary building and financial considerations.

(2) Work stoppage order issued by NRC in August 1979 for QA-related problems on safety portions of facility. NRC estimates about 18 months before full-scale construction will resume. Thus, the large difference in construction complete dates.

(3) Environmental reviews for Sequoyah 1 and 2 were conducted under a lead agency agreement with TVA. TVA's final environmental statements (FES) incorporated and addressed the AEC's comments on the respective draft statements. The FES's were then accepted as the NEPA statements for the project.

(4) Schedule shown assumes hearing record will not be reopened for TMI-2 issues. If ASLB reopens record, full power OL issuance may be delayed.

(5) TVA's FES for Watts Bar 1 and 2 were considered to be the environmental report submitted to NRC. NRC then issued its own DES and FES for project.