

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 7910190495 DOC. DATE: 79/10/15 NOTARIZED: YES DOCKET #
 FACIL: 50-438 Bellefonte Nuclear Plant, Unit 1, Tennessee Valley Au 05000438
 50-439 Bellefonte Nuclear Plant, Unit 2, Tennessee Valley Au 05000439
 AUTH. NAME AUTHOR AFFILIATION
 MILLS, L.M. Office of Nuclear Reactor Regulation
 RECIP. NAME RECIPIENT AFFILIATION
 DENTON, H.R. Tennessee Valley Authority

SUBJECT: Requests extension of completion dates until 830301 for CPPR
 -122 & until 83120 for CPPR-123. Extension necessary due to
 Const delivery delays & mods related to TMI.

DISTRIBUTION CODE: A002S COPIES RECEIVED: LTR 1 ENCL 0 SIZE: 3
 TITLE: Incident Reports

NOTES: -----

ACTION:	RECIPIENT	COPIES		RECIPIENT	COPIES	
	ID CODE/NAME	LTR	ENCL		ID CODE/NAME	LTR
	05 BC LWR #3	4	4			
INTERNAL:	01 REG. FILE	1	1	02 NRC PDR	1	1
	09 IRE	2	2	11 MPA	3	3
	14 TA/EDO	1	1	15 NOVAK/KNIEL	1	1
	16 EEB	1	1	17 AD FOR ENGR	1	1
	18 PLANT SYS BR	1	1	19 I&C SYS BR	1	1
	20 AD PLANT SYS	1	1	22 REAC SAFT BR	1	1
	23 ENGR BR	1	1	24 KREGER	1	1
	25 PWR SYS BR	1	1	26 AD/SITE ANAL	1	1
	27 OPERA LIC BR	1	1	28 ACCIDENT ANALYS	1	1
	29 AUX SYS BR	1	1	E JORDAN/IE	1	1
	HANAUER, S.	1	1	STS GROUP LEADR	1	1
	TMI-H STREET	1	1			
EXTERNAL:	03 LPDR	1	1	04 NSIC	1	1
	29 ACRS	16	16			

LTR
 MOORE
 EPB #2 BC
 KE BLUSEK
 EPB #2 LA

OCT 23 1979



TOTAL NUMBER OF COPIES REQUIRED: LTR 48 ENCL 0 M/A 4

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

October 15, 1979

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Denton:

In the Matter of the Application of) Docket Nos. 50-438
Tennessee Valley Authority) 50-439

Pursuant to 10 CFR 50.55(b) (1977), the Tennessee Valley Authority (TVA) hereby requests an extension of the latest completion dates specified in the construction permits for the Bellefonte Nuclear Plant units 1 and 2. As indicated in my August 23, 1979, letter to you, the scheduled fuel loading dates for units 1 and 2 are now September 1, 1982, and June 1, 1983, respectively. To provide time for completion of the units with an allowance for contingencies, we request that the latest completion date specified in Construction Permit No. CPPR-122 (unit 1) be extended to March 1, 1983, and in CPPR-123 (unit 2) to December 1, 1983.

This extension is necessary because the construction schedule has been delayed by several factors. The following information is provided to indicate the factors contributing to the delay of Bellefonte.

1. Welding problems on the reactor building primary containment liner plate were experienced. Installation of the liner plate to elevation 820 was initially estimated to require 40 weeks. The liner plate design, which used backing bars, required the development of new welding techniques to obtain acceptable welds. The difficulty experienced in obtaining qualified welders and training them in the required technique, coupled with the learning curve associated with the introduction of new welding equipment, resulted in significant delays. The actual time required to complete the liner plate to elevation 820 was 84 weeks.
2. Delays have been experienced in obtaining embedment material deliveries for the reactor building interior walls. The activities covering the secondary shield walls were estimated to require 40 weeks for completion. Delays experienced in obtaining embedments which met specifications for the reactor building interior walls resulted in the activities actually requiring 87 weeks to complete.

791 0190 495
BooB
SE
+10
ADD: LE
Denton 12

Mr. Harold R. Denton, Director

October 15, 1979

3. Although steps have been taken to improve the situation, overall delivery of piping, valves, and hangers continues to lag construction site needs.

The delivery of spooled pieces from the principal piping vendor has not been able to meet the contract delivery requirements. TVA has also had difficulty in obtaining the proper spools in support of the priority listings provided to the vendor.

Initial delays in receipt of valves necessitated the installation of piping with leaveouts for later installation of the valves. This work-around technique, while permitting work to continue, necessitates retrofitting the missing valves as they become available. Recent improvements in valve deliveries have alleviated this problem to a large degree.

Delays in seismic hanger deliveries have necessitated the large-scale use of temporary hangers. This in turn requires installation of permanent hangers as they become available, thereby increasing the overall installation time for the piping systems.

It is estimated that the combined impact of piping, valves, and hangers has been about a 52-week delay.

4. Extensive delays in the release of design drawings for installation of conduit, cable trays, and supports has resulted in the delay of the cable pulling program.

Delays in release of design drawings coupled with the lack of qualified craftsmen and interference problems experienced in the field have delayed the overall installation effort. This overall delay is estimated to be approximately 40 weeks. The lag in conduit and cable tray installation has prevented initiation of a large-scale cable pulling effort.

5. TVA anticipates that additional modifications will be required as a result of the Three Mile Island Nuclear Plant incident. It has been estimated that modifications and analysis which could be required will result in an estimated 26-week delay.
6. Because of difficulties in obtaining acceptable bids, the contract for instrumentation and controls was awarded approximately 52 weeks late. A further delay of 26 weeks was experienced when the awarded contractor underwent two changes in ownership.

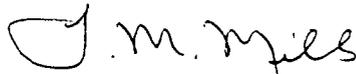
Mr. Harold R. Denton, Director

October 15, 1979

The foregoing items constitute some of the factors which have contributed to the unanticipated construction delays of Bellefonte units 1 and 2 and demonstrate, in our opinion, good cause why an extension of the construction permit should be granted.

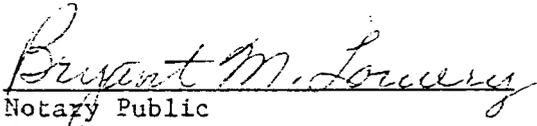
Very truly yours,

TENNESSEE VALLEY AUTHORITY



L. M. Mills, Manager
Nuclear Regulation and Safety

Subscribed and sworn to before me
this 15th day of October 1979.



Notary Public

My commission Expires 4/4/82

cc: Mr. James McFarland
Senior Project Manager
Babcock & Wilcox Company
P.O. Box 1260
Lynchburg, Virginia 24505