

Docket Nos: 50-438  
and 50-439

June 30, 1987

Mr. S. A. White  
Manager of Nuclear Power  
Tennessee Valley Authority  
6N 38A Lookout Place  
1101 Market Street  
Chattanooga, Tennessee 37402-2801

Dear Mr. White:

SUBJECT: EXTENSION OF CONSTRUCTION COMPLETION DATES

Re: Bellefonte Nuclear Plant, Units 1 and 2

The Nuclear Regulatory Commission has issued the enclosed Order extending the construction completion dates for the Bellefonte Nuclear Plant, Units 1 and 2, in response to TVA's letter dated September 30, 1986. The construction completion date of Construction Permit No. CPPR-122 has been extended to July 1, 1994 for Unit 1. In addition, the Unit 2 completion date specified in Construction Permit No. CPPR-123 has been extended to July 1, 1996.

The staff's related safety evaluation of your request is also enclosed. The Environmental Assessment and Finding of No Significant Impact was published in the Federal Register on May 6, 1987 (52 FR 16963).

The Order has been forwarded to the Office of the Federal Register for publication.

Sincerely,

Original Signed By  
John A. Zwolinski, Assistant Director  
for Projects  
TVA Projects Division  
Office of Special Projects

Enclosures:

1. Order Extending Construction Completion Dates
2. Safety Evaluation

cc w/enclosures:  
See next page

DISTRIBUTION

Docket File  
NRC PDR  
Local PDR  
Bellefonte Rdg  
Projects Rdg  
JKeppler  
JAxelrad  
SEbnetter  
SRichardson  
OGC-BETH  
SECY  
RDiggs

JZwolinski  
BDLiaw  
GZech, RII  
SRConnelly  
BHayes  
CJamerson  
RAuluck  
ACRS (10)  
FMiraglia  
GPA/PA  
TBarnhart (8)

EJordan  
JPartlow  
IBailey  
DNash  
IDinitz  
WLambe  
JScinto  
DHagan

OSP:DD  
JAxelrad  
5/28/87

8707150477

\*SEE PREVIOUS CONCURRENCE SHEET

OSP:DTVA  
CJamerson\*  
04/08/87

OSP:DTVA  
RAuluck\*  
04/08/87

OSP:AD/P  
JZwolinski\*  
4/29/87

OGC-BETH  
MYoung\*  
04/09/87

OSP:DTVA:DIR  
SEbnetter\*  
5/01/87

OSP:DIR  
JKeppler  
5/13/87

Mr. S. A. White  
Tennessee Valley Authority

Bellefonte Nuclear Plant

cc:

General Counsel  
Tennessee Valley Authority  
400 West Summit Hill Drive  
E11 B33  
Knoxville, Tennessee 37902

Regional Administrator, Region II  
U.S. Nuclear Regulatory Commission  
101 Marietta Street, N.W.  
Atlanta, Georgia 30323

Mr. R. L. Gridley  
Tennessee Valley Authority  
5N 157B Lookout Place  
Chattanooga, Tennessee 37402-2801

Resident Inspector/Bellefonte NP  
c/o U.S. Nuclear Regulatory Commission  
P.O. Box 477  
Hollywood, Alabama 35752

Mr. J. P. Darling  
Tennessee Valley Authority  
Bellefonte Nuclear Plant  
P.O. Box 2000  
Hollywood, Alabama 35752

Mr. Richard King  
c/o U.S. GAO  
1111 North Shore Drive  
Suite 225, Box 194  
Knoxville, Tennessee 37919

Mr. D. L. Terrill  
Tennessee Valley Authority  
Bellefonte Nuclear Plant  
P.O. Box 2000  
Hollywood, Alabama 35752

Mr. D. L. Williams  
Tennessee Valley Authority  
400 West Summit Hill Drive  
W10 B85  
Knoxville, Tennessee 37902

Chairman  
Board of County Commissioners  
Jackson County Courthouse  
Scottsboro, Alabama 35768

State Department of Public Health  
ATTN: State Health Officer  
State Office Building  
Montgomery, Alabama 36130

TENNESSEE VALLEY AUTHORITY  
BELLEFONTE NUCLEAR PLANT, UNITS 1 AND 2  
DOCKET NOS. 50-438 AND 50-439  
ORDER EXTENDING CONSTRUCTION COMPLETION DATES

Tennessee Valley Authority is the current holder of Construction Permit Nos. CPPR-122 and CPPR-123, issued by the Atomic Energy Commission\* on December 12, 1974, for construction of the Bellefonte Nuclear Plant, Units 1 and 2. These facilities are presently under construction at the applicant's site on a peninsula at Tennessee River Mile (TRM) 392 on the west shore of Guntersville Reservoir about 6 miles east - northeast of Scottsboro, Alabama.

On September 30, 1986, the Tennessee Valley Authority (TVA, the applicant) filed a request for an extension of the completion dates. The extension has been requested because construction has been delayed because the revised power usage projections by the TVA indicate that the power from the Bellefonte Units 1 and 2 will not be needed until the early to mid-1990's.

The NRC staff has concluded that good cause has been shown for the delays, the extension is for a reasonable period, and that this action involves no significant hazards consideration, the bases for which are set forth in the staff's evaluation of the request for extension dated September 30, 1986.

---

\*Effective January 19, 1975, the Atomic Energy Commission became the Nuclear Regulatory Commission and permits in effect on that day were continued under the authority of the Nuclear Regulatory Commission.

8707150495

- 2 -

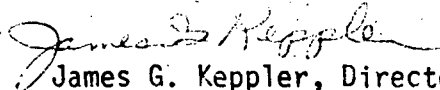
The NRC staff has prepared an environmental assessment and finding of no significant impact which was published in the FEDERAL REGISTER on May 6, 1987 (52 FR 16963). Pursuant to 10 CFR 51.32, the Commission has determined that extending the construction completion dates will have no significant impact on the environment.

The applicant's letter dated September 30, 1986, and the NRC staff's letter and safety evaluation on the request for extension of the construction permits, dated June 30, 1987, are available for public inspection at the Commission's Public Document Room, 1717 H Street, NW, Washington, D.C. 20555 and the local Public Document Room, Scottsboro Public Library, 1002 South Broad Street, Scottsboro, Alabama 35668.

IT IS HEREBY ORDERED THAT the latest completion date for Construction Permit No. CPPR-122 is extended to July 1, 1994, and the latest completion date for Construction Permit No. CPPR-123 is extended to July 1, 1996.

Dated at Bethesda, Maryland this 30<sup>th</sup> day of June 1987.

FOR THE NUCLEAR REGULATORY COMMISSION

  
James G. Keppler, Director  
Office of Special Projects



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

SAFETY EVALUATION BY THE OFFICE OF SPECIAL PROJECTS  
RELATING TO THE REQUEST FOR EXTENSION  
OF CONSTRUCTION PERMIT NOS. CPPR-122 AND CPPR-123  
BELLEFONTE NUCLEAR PLANT, UNITS 1 AND 2  
DOCKET NOS. 50-438 AND 50-439

1.0 INTRODUCTION

Two construction permits were issued to Tennessee Valley Authority (TVA) on December 12, 1974, authorizing construction of the Bellefonte Nuclear Plant, Units 1 and 2, (the facility) in Jackson County, Alabama. Construction Permit CPPR-122 specifies March 1, 1983, as the latest date for completion of construction of Unit 1. Construction Permit CPPR-123 specifies December 1, 1983, as the latest date for completion of construction for Unit 2.

The permittee requested that these dates be extended to July 1, 1994 for Unit 1 and July 1, 1996 for Unit 2. The permittee's request for these construction permit extensions is contained in its letter dated September 30, 1986. This supersedes construction permit extension requests dated January 26, 1983 and December 2, 1983. The present construction permit (CP) extension request as well as the previous CP extension requests were all filed by TVA in a timely manner as specified in Section 2.109 of 10 CFR Part 2.

2.0 EVALUATION

The permittee's letter of September 30, 1986, states that good cause exists for completion of construction of the Bellefonte Nuclear Plant, Units 1 and 2, because the revised power usage projections by the TVA indicate that the power from the Bellefonte Units 1 and 2 will not be needed until the early to mid-1990's. Accordingly, construction activity on BLN has been reduced so both units will be brought into operation closer to the revised load forecast need dates. Bellefonte, Unit 1 is approximately 87% complete and Unit 2 is approximately 57% complete. It is estimated that an additional 24 months of work after completion of Unit 1 will be required to complete Unit 2.

The alternatives to granting the requested extension of construction permits are (1) the denial of any extension or (2) the granting of an extension for a shorter period of time than requested.

1. The denial of any extension would prevent the completion and force the abandonment of Bellefonte, Units 1 and 2. The consequences of such action would be severe economic losses to the permittee and the customers. It would also result in the loss of substantial generating capability which would have to be replaced ultimately by construction of other generating facilities.

8707150504

2. The granting of an extension for a shorter period of time than that requested would not be prudent since the construction activity at the Bellefonte Plant has been reduced to be consistent with the revised load forecast need dates.

### 3.0 ENVIRONMENTAL CONSIDERATION

Pursuant to 10 CFR 51.32, the Commission has determined that extending the construction completion dates will have no significant impact on the environment (May 6, 1987, 52 FR 16963).

### 4.0 CONCLUSIONS

The NRC staff has reviewed the information provided by TVA's submittal. Based on that review, the staff concurs with the permittee that the time estimated for the delay is reasonable. In accordance with 10 CFR 50.55(b), the staff concludes that the factors discussed above constitute good cause for granting the requested extension and the extension is for a reasonable period of time.

As a result of our review of the Bellefonte Final Safety Analysis Report to date and considering the nature of the delays, the staff has identified no area of significant safety considerations resulting directly from the extension of the construction completion dates. In addition, we find that the only modification proposed by the permittee to the existing construction permit is an extension of the latest completion dates. This extension does not allow any work to be performed of the type not previously authorized by the existing construction permit. During this extended period of construction, TVA will be maintaining all the installed systems and equipment and other plant equipment in accordance with BLN Standard Practice BLE 10, "Long-Term Preservation and Maintenance of Plant Equipment." Therefore, we find that (1) this action does not involve any significant increase in the probability or consequences of an accident previously evaluated, does not create the possibility of a new or different kind of accident from any previously evaluated and does not involve a significant reduction in a margin of safety; (2) there is reasonable assurance that the health and safety of the public will not be endangered by extension of the construction completion dates, and (3) good cause exists for issuance of an order extending the completion dates. Accordingly, the NRC staff has concluded that the action does not involve a significant hazards consideration and that based upon the foregoing evaluation, issuance of an order extending the latest completion dates for construction of the Bellefonte Nuclear Plant is reasonable and should be authorized. The latest completion date for Unit 1 should be extended to July 1, 1994, and the latest completion date for Unit 2 should be extended to July 1, 1996.

Principal Contributor: R. Auluck, OSP

Dated: June 30, 1987