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 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. Tennessee Valley Authority
 RECIP. NAME: RECIPIENT AFFILIATION
 ADENSAM, E. Licensing Branch 4

SUBJECT: Forwards revised responses to Questions 310.1, 310.2, 310.3, 310.4 & 310.6 re average annual number of workers, likely residential location of workers & anticipated impacts on affected community facilities & succs.

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TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

December 5, 1983

Director of Nuclear Reactor Regulation
Attention: Ms. E. Adensam, Chief
Licensing Branch No. 4
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Ms. Adensam:

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

This letter is in response to telephone conversations with Bryant Richter, John Lehr, Mohan Thadani, and Carl Stahl of your staff concerning TVA's October 4, 1982 response to NRC questions on the Bellefonte Nuclear Plant. Enclosed are our revised responses to questions 310.1, 310.2, 310.3, 310.4, and 310.6.

If you have any questions concerning this matter, please get in touch with Bill Watters at FTS 858-2691.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills
L. M. Mills, Manager
Nuclear Licensing

Sworn to and subscribed before me
this 5th day of Dec. 1983

Paulette H. White
Notary Public
My Commission Expires 9-5-84

Enclosures (20)

cc: U.S. Nuclear Regulatory Commission (Enclosure)
Region II
Attn: Mr. James P. O'Reilly Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

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ENCLOSURE

310.1 Question:

Provide an estimate of the average annual number of workers (plant employees and contractor employees) that will be required during operation of the two units.

Response:

TVA estimates that during the first year of operation for both units, plant employment levels will average 1200 employees. In addition, a variable number of employees will be required to handle various outage activities. During any one year, this number may vary between 200 and 850. From year to year, the annual average number may vary from 350 to 600. Thus, the peak average annual employment is expected to be about 1800. (Please refer to Table 310.1-1).

Bellefonte Employment Levels

	<u>1988 (Unit 1) *</u>	<u>1990 (Units 1 & 2) **</u>
Plant Operations	725	1200
Outage	600	600
Totals	<u>1325</u>	<u>1800</u>

* Projected first full year of operation.

** Projected first full year of operation for both units.

310.6 Question:

Identify any places where traffic congestion or problems of interference with patterns of local traffic might be anticipated due to plant operation or maintenance. Discuss anticipated measures that would be undertaken to alleviate such possible situations.

Response:

When the intersection of the primary access road with U.S. 72 was constructed, its design was based on handling the construction work force. In addition, at shift change time with 4,000 employees, two people expedite traffic flow--an officer of the Hollywood police department and a TVA public safety officer. Funds for the Hollywood officers are being provided through TVA's mitigation program. This assistance will end when construction is finished. At that time, traffic will be substantially reduced because employment will drop to about 1,800. The intersection will be more than adequate to handle the associated commuter traffic.