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(TEMPORARY FORM)

CONTROL NO: 1477

FILE: ENVIRO

FROM: Tennessee Valley Authority Chattanooga, Tenn. 37401 J. E. Gilleland		DATE OF DOC 2-21-74	DATE REC'D 2-23-74	LTR X	MEMO	RPT	OTHER
TO: A. Giambusso		ORIG 1 signed	CC	OTHER	SENT AEC PDR X SENT LOCAL PDR X		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-438/439		

DESCRIPTION:
Ltr re their 2-15-74 ltr.....furnishing
correction to their 2-15-74 ltr.....
w/attach correction

ENCLOSURES:

DO NOT REMOVE

ACKNOWLEDGED

NOTE: Same Dist as Mail Control # 1385

PLANT NAME: Bellefonte Units 1 & 2

FOR ACTION/INFORMATION 2-25-74 GC

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| ✓1 - DTIE(ABERNATHY) | 1-ASLB(E/W Bldg, Rm 529) | 1-GERALD LELLOUCHE |
| ✓1 - NSIC(BUCHANAN) | 1-W. PENNINGTON, Rm E-201 GT | BROOKHAVEN NAT. LAB |
| 1 - ASLB(YORE/SAYRE/
WOODARD/"H" ST. | 1-CONSULTANT'S
NEWMARK/BLUME/AGBABIAN | 1-AGMED(Ruth Gussman)
RM-B-127, GT. |
| 16 - CYS ACRS HOLDING | 1-GERALD ULRIKSON...ORNL | 1-RD..MULLER..F-309 GT |

LB



Regulatory Docket File

February 21, 1974

Mr. A. Giambusso
Deputy Director for Reactor Projects
Directorate of Licensing
U.S. Atomic Energy Commission
Washington, D.C. 20545

Dear Mr. Giambusso:

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

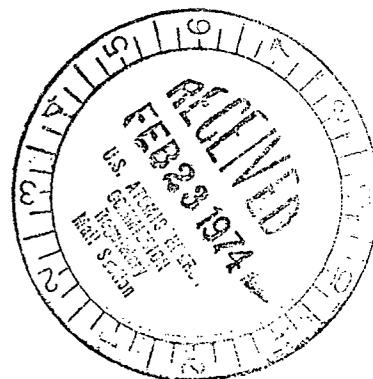
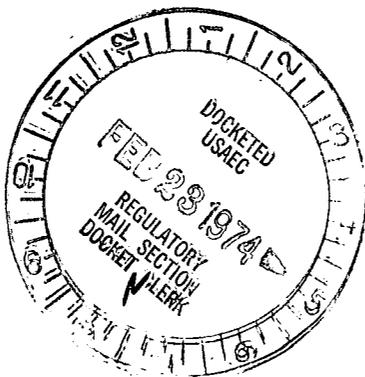
Please substitute the enclosed for the first page of my letter dated February 15, 1974. This will correct the reference in the first sentence to William H. Regan's January 14, 1974, letter, which was incorrectly referred to as January 4.

Sincerely yours,

J. E. Gilleland
Assistant to the Manager of Power

Enclosure

CC: William H. Regan, Jr., Chief (Enclosure)
Environmental Projects Branch 4
Directorate of Licensing
U.S. Atomic Energy Commission
Washington, D.C. 20545



Regulatory Docket File
ESTABLISHED BY LAW DATE 2-21-74
TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE
37401



February 15, 1974

Mr. A. Giambusso
Deputy Director for Reactor Projects
Directorate of Licensing
U.S. Atomic Energy Commission
Washington, D.C. 20545

Dear Mr. Giambusso:

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

This is in response to William H. Regan's letter of January 14, 1974, in which it was stated that the proposed intake design for the Bellefonte Nuclear Plant is considered unsatisfactory from an environmental standpoint. It was also stated as a general criterion that water should be taken from a region that has a low density of entrainable organisms, principally fish eggs and larvae, and a low potential for fish congregation and fatigue-producing conditions. The AEC Regulatory Staff then concluded that shoreline intakes, such as proposed for Bellefonte, do not meet this criterion, that they are not satisfactory from an environmental standpoint, and that alternative systems must be studied. We believe that the general criterion is incomplete since it fails to address safety and economic considerations. Moreover, the conclusion reached is not justified when considering the particular circumstances at Bellefonte.

It is TVA's position that, on balance, the proposed shoreline intake structure is the best alternative available, for the following reasons: (1) entrainment losses with the proposed shoreline intake do not constitute a significant adverse impact and (2) the National Environmental Policy Act of 1969 (NEPA) requires a consideration of only those alternatives that provide a significant difference in environmental impact.

At this point it is helpful to review what has happened to date. TVA has proposed a closed-cycle condenser cooling water system using natural draft cooling towers. Makeup water for this system will vary but at its peak will not exceed 148.5 ft³/s and will average 107 ft³/s. Average streamflow at the site is 35,300 ft³/s.