

Docket Nos. 50-438  
and 50-439

APR 3 1974

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EHughes  
OGC  
Public Proceedings Staff, SECY

Ms. Zelia M. Jensen  
Route 1, Box 86A  
Grandview, Tennessee 37337

Dear Ms. Jensen:

Thank you for your postcard dated March 17, 1974, suggesting more research be done on solar energy instead of nuclear power reactors and expressing your concern about the environmental and radiological effects on man from the operation of the Bellefonte Nuclear Plant.

The primary function of the Directorate of Licensing is to license and regulate nuclear power plants, the production and utilization of nuclear fuels and materials and to maintain cognizance over operating nuclear power plants. The Directorate has no promotional or developmental function and no regulatory authority in non-nuclear related areas. The operating arm of the Atomic Energy Commission, (AEC) which does have a developmental responsibility, is not now heavily involved with solar energy research. Approximately \$50 million has been proposed for this research by the President although the agency that will direct this effort has not yet been named.

The AEC is currently actively involved with non-nuclear energy research in other areas. Geothermal energy, in situ coal gasification, energy storage and energy transmission for example, are being investigated under AEC direction. Any suggestions or comments you may have relating to energy research within the AEC will be considered by the Division of Applied Technology, Mr. G. W. Johnson, Director. The mailing address is:

U.S. Atomic Energy Commission  
Division of Applied Technology  
Washington, D. C. 20545

In regard to your concern about the danger of increased leukemia and lung cancer, the Commission report WASH 1250, "The Safety of Nuclear Power Reactors (Light-Water-Cooled) and Related Facilities" (particularly

CB

OFFICE➤						
SURNAME➤						
DATE➤						

Section 4.1.4), a copy of which is enclosed, presents a general discussion of radioactive effluents from nuclear power plants. During the environmental review of the Bellefonte plant, the Regulatory staff has thoroughly examined every potential pathway by which man may be exposed to radioactive effluents from the plant. Conservative estimates of exposures due to radioactive releases have been made and are reported in our Draft Environmental Statement for the proposed Bellefonte Plant in Section 5.3.2 beginning on page 5-11. A copy of the draft statement is also enclosed for your information.

A concurrent safety review is also being conducted to insure that construction and operation of the Bellefonte Plant will not result in risk to the health and safety of the public.

In regard to your concern about contamination from waste products, the AEC has consistently imposed rigorous standards in dealing with the disposal of radioactive waste from nuclear power plants. These include, among other things, solidification of any liquids prior to shipment, close control of the amount of radioactivity which may be shipped in a single shipping container, maximum level of radioactivity per shipment, ability of shipping containers to meet rigorous standards established by the Department of Transportation and AEC and establishment of specific criteria which must be met by facilities in which such solid wastes may be stored. These measures plus those imposed in controlling reprocessing facilities provide adequate safety in handling and storage of radioactive waste products.

I hope this discussion along with the enclosed information will illustrate the care with which the Regulatory staff of the AEC carries out a thorough and complete review and assessment of the environmental and health and safety impacts of the Bellefonte Plant to the public before a construction permit is issued.

Sincerely,

Original signed by  
Daniel R. Muller

Daniel R. Muller, Assistant Director  
for Environmental Projects  
Directorate of Licensing

Enclosures:

1. WASH 1250
2. Bellefonte Draft Environmental

OFFICE	Statement	L:EP-4	L:EP-4	L:EP		
SURNAME	<i>[Signature]</i>	GLDittman:pc	WHRagan	DMuller		
DATE	4/2/74	4/3/74	4/3/74	4/7/74		

FROM: **Zilia M. Jensen, R.N., B.S.**  
**Route 1, Box 86 A**  
**Grandview, Tenn.**

DATE OF DOCUMENT: \_\_\_\_\_ DATE RECEIVED: \_\_\_\_\_ NO.: **L-541**  
 LTR. **3/17/74** MEMO: \_\_\_\_\_ REPORT: **3/18/74** OTHER: \_\_\_\_\_  
**Postcard**

TO: \_\_\_\_\_  
**DD:BP**

ORIG.: \_\_\_\_\_ CC: \_\_\_\_\_ OTHER: \_\_\_\_\_  
 ACTION NECESSARY  CONCURRENCE  DATE ANSWERED:  
 NO ACTION NECESSARY  COMMENT  BY: **4/3/74**

CLASSIF.: \_\_\_\_\_ POST OFFICE \_\_\_\_\_  
 REG. NO: \_\_\_\_\_

FILE CODE: \_\_\_\_\_

DESCRIPTION: (Must Be Unclassified) **Concern re**  
**Bellefonti and asks why not push**  
**research for solar energy.**

REFERRED TO	DATE	RECEIVED BY	DATE
<b>A. Giambusso</b>	<b>3/19/74</b>		

ENCLOSURES: \_\_\_\_\_

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**AND REPLY IN PDAS**

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Ober River Park on Dale Hollow Lake Camping Area

JENSEN Byrdstown, Tennessee

Route 1, Box 86 A Mar 17, 1974

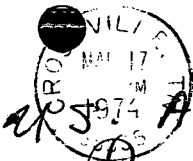
Grandview Tenn 37337

Dear ~~Bill~~ <sup>Why not</sup>  
push research for solar  
energy instead of  
more deadly nuclear  
reactors? Please review  
Billfonte, Jackson Co.  
Alabama and think  
of the great danger  
of increased leukemia  
& lung cancer plus  
contamination from  
waste products for  
thousands of years.

Sincerely,  
Zelia m

41358-C

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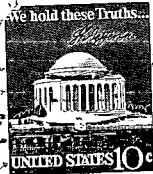


AKS 974 AEC

Post Card

Deputy Director for  
Reactor Projects,  
Directorate of Licensing  
Washington, D.C.

20545



Jensen  
R.N.B.S.  
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