

SEP 17 1974

DISTRIBUTION

Docket File (ENVIRON) 2
 AEC PDR
 Local PDR
 L Reading
 EP-4 Reading
 A. Giambusso
 H. Denton
 R. Boyd
 V. Moore
 RO (3)
 Attorney, OGC
 ASchwencer/DDavis, LWR
 WRegan/GDittman

EGoulbourne
 KHub, ANL
 ACRS (15)
 S. Reed
 A. Braitman

Docket Nos. 50-438/439

Tennessee Valley Authority
 ATTN: James E. Watson
 Manager of Power
 818 Power Building
 Chattanooga, Tennessee 37401

Gentlemen:

A public hearing before the Atomic Safety and Licensing Board (Board) on issues covered by 10 CFR Section 50.10(e) (2) (ii) and 10 CFR Part 50, Appendix D was held on July 9, 10 and 11, 1974 at Scottsboro, Alabama. On September 6, 1974, the Board issued a Partial Initial Decision on Environmental Matters and Site Suitability in which it made all the findings required by 10 CFR Part 50, Appendix D for issuance of the construction permits with respect to NEPA matters and determined that the activities identified below are within the scope of the activities authorized in 10 CFR Part 50.10(e) (1), and may be undertaken by Tennessee Valley Authority at the site of the proposed Bellefonte Nuclear Plant, Units 1 and 2.

This letter constitutes authorization to conduct those activities you identified in your letter of June 25, 1974, specifically:

A. Construction Plant

1. Move and set office and shop trailers and vans on site including utility services.
2. Upgrade roads on site including drainage structures.
3. Clear and grub construction plant areas including roads, railroads, shops, offices, storage, dock, utilities, drainage structures, holding ponds, and parking areas.
4. Grade and surface with crushed stone as appropriate construction plant areas including roads, railroads, shops, offices, storage, dock, utilities, drainage structures, holding ponds, and parking areas.
5. Receive both permanent and construction plant materials and equipment and store and/or handle as appropriate.

cb

| | | | | | | |
|-----------|--|--|--|--|--|--|
| OFFICE → | | | | | | |
| SURNAME → | | | | | | |
| DATE → | | | | | | |

6. Erect construction dock at river including dredging and erection of sheet pile cells and equipment handling crane.
7. Install electrical, telephone, air and water utilities including electrical substation, elevated water tank, pumping station, and sewage facilities.
8. Place concrete or other type foundations as appropriate and erect shops, offices, trailers, concrete mixing plant, and fuel and water tanks and pumps with protective dikes.
9. Install protective fencing.
10. Clear, grub, and construct 46-kV electrical feeder line from existing transmission line west of U.S. Highway 72 to construction substation.
11. Clear, grade, and install telephone and potable water lines from offsite to project facilities.

B. Permanent Features

1. Clear and grub for powerhouse and general yard including reactor, auxiliary, diesel generator, office and service bay, and turbine room buildings, switchyards, cooling tower and yard drainage pond areas.
2. Excavate both earth and rock from the above areas as applicable.
3. Place useable dirt excavation or borrow material as fill in switchyard or other fill areas and the unuseable material to spoil areas.
4. Place excavated rock either in storage or use as appropriate for road beds, fill, etc.
5. Clear, grub, grade, and build permanent railroad to plant including interchange yard near Hollywood, Alabama.
6. Clear, grub, grade, and construct access road from U.S. Highway 72 to vicinity of powerhouse including causeway across Town Creek embayment.

| | | | | | | |
|-----------|--|--|--|--|--|--|
| OFFICE > | | | | | | |
| SURNAME > | | | | | | |
| DATE > | | | | | | |

SEP 17 1974

- 7. Clear, grub, grade, and erect environmental data collecting station including parking areas, road, and utilities.
- 8. Relocate Shipp Cemetery.

The above activities will begin shortly after receipt of the limited work authorization and will continue throughout the period until the receipt of a construction permit. Under the limited work authorization, TVA will not construct structures, systems, or components which fall under the provisions of Appendix B to 10 CFR 50.

This authorization is subject to the following conditions for the protection of the environment:

- a. An approved sampling program, as outlined in Section 5.4.2.5 and 6.2.1.1 of the AEC staff's Final Environmental Statement (SFES) will be implemented to obtain data necessary for assessment of the significance of the loss of ichthyoplankton through entrainment in the proposed intake.
- b. The data obtained in the program specified in (a) above shall be submitted to the staff for review on a continuing basis and shall form the basis for a final decision on the acceptability of the proposed intake. The results will be subjected to thorough evaluation and a decision on the intake acceptability will be made on the basis of a cost-benefit analysis which will include both projected losses of fisheries resources on the entire reservoir and real and projected costs for the plant.
- c. The applicant shall not use the broadcast application of herbicides on the right-of-way covered under Step One (Section 3.3, SFES) of the transmission line construction plan. (Section 5.4.1 and Appendix B, SFES).

The applicant shall conduct studies which will assess the impacts of various alternative methods of transmission line construction and maintenance, and prior to any construction of Steps Two and Three (Section 3.3, SFES), the applicant shall submit (1) for staff evaluation the results of these studies and (2) an updated version of its proposed clearing and maintenance methods for staff approval. This submittal should include analysis of cost experience factors as well as environmental impacts such as the effects on vegetation, wildlife and soil stability. (Sections 4.1.2 and 9.2.4 SFES)

| | | | | | |
|-----------|--|--|--|--|--|
| OFFICE ➤ | | | | | |
| SURNAME ➤ | | | | | |
| DATE ➤ | | | | | |

- d. Prior to initiating construction of the discharge facility, the applicant shall provide the results of thermal-hydraulic analytical studies and plans for physical modelling experiments to be conducted in support of the final design and location of the plant cooling water discharge. (Sections 5.4.2.3.1 and 9.2.5 SFES)
- e. The applicant shall take the necessary mitigating actions, including those summarized in Section 4.4 of the SFES, during construction of the plant and associated transmission lines to avoid unnecessary adverse environmental impacts from construction activities.
- f. A control program shall be established by the applicant to provide for a periodic review of all construction activities to assure that those activities conform to the environmental conditions set forth in the construction permit.
- g. Before engaging in a construction activity which may result in a significant adverse environmental impact that was not evaluated or that is significantly greater than that evaluated in the SFES, the applicant shall provide written notification to the Director of Licensing.
- h. The applicant may develop either, but not both, of the two alternative access routes to the plant as the permanent plant access road; provided that approximately 500 acres of land located on the northeast tip of Bellefonte peninsula will be developed as a "generally dispersed recreation area" as defined in Tennessee Valley Authority's Recreation Plan, Volume 1, Methodology (1973); and that the proposed recreation area will be developed consistent with the maximum "peak hour recreation visits" of approximately 800 visits within a two mile radius of the plant for the life of the facility.

Any activities undertaken pursuant to this authorization shall be entirely at the risk of the applicant and the grant of the authorization shall have no bearing on the issuance of a construction permit with respect to the requirements of the Atomic Energy Act, and rules, regulations, or orders promulgated pursuant thereto.

| | | | | | |
|-----------|--|--|--|--|--|
| OFFICE > | | | | | |
| SURNAME > | | | | | |
| DATE > | | | | | |

SEP 17 1974

Enclosed for your information is a copy of a related Notice which has been sent to the Office of the Federal Register for filing and publication.

Sincerely,

Original signed by:
Roger S. Boyd

A. Giambusso, Deputy Director
for Reactor Projects
Directorate of Licensing

Enclosure:
F. R. Notice

cc w/encl.: See attached page

| | | | | | | |
|-----------|-------------------|-------------------|-------------------|---------------------|------------------|--------------------|
| OFFICE > | L:EP SDReed:pc | L:EP WHRegan | OCC W.D. PATON | L:LWR ASchwencer | OAI ABraitman | L:EP AGiambusso |
| SURNAME > | GLDittman | DRM... 9/15/74 | 9/17/74 | 9/13/74 | 9/13/74 | 9/17/74 |
| DATE > | 9/10/74 | | | | | |

cc w/encl.:

William E. Garner, Esq.
Route 4, Box 354
Scottsboro, Alabama 35768

Alabama Development Office
State Office Building
Montgomery, Alabama 36104

Top of Alabama Regional Council
of Governments
P. O. Box 308
City Hall - 6th Floor
Huntsville, Alabama 35801

Honorable John Reid
Mayor of the City of Scottsboro
City Hall
Scottsboro, Alabama 35768

Honorable Eugene Dutton
Mayor of the City of Hollywood
City Hall
Hollywood, Alabama

Mr. John Robins (1)
Office of Planning & Budget
Room 615C
270 Washington Street, SW
Atlanta, Georgia 30334

Mr. Walter Lambert, Director (1)
Office of Urban & Federal Affairs
321 Seventh Avenue, North
Nashville, Tennessee 37219

Mr. J. L. Church, Jr., Director (1)
Bureau of Environmental Health Services
Tennessee Department of Public Health
Cordell Hull Building
Nashville, Tennessee 37219

Office of Urban & Federal Affairs (1)
Suite 1025
Andrew Jackson State Office Building
Nashville, Tennessee 37219

Robert H. Marquis, Esq.
David G. Powell, Esq.
Tennessee Valley Authority
New Sprinkle Building
Knoxville, Tennessee 37902

Lewis E. Wallace, Esq.
Alvin H. Gutterman, Esq.
Division of Law
Tennessee Valley Authority
New Sprinkle Building
Knoxville, Tennessee 37902

Ira L. Myers, M.D.
State Health Officer
State of Alabama Department
of Public Health
State Office Building
Montgomery, Alabama 36104

Mr. Bruce Blanchard, Director
Office of Environmental Projects
Review
Department of Interior - Rm. 5321
18th & C Sts., NW
Washington, D. C. 20240

Mr. Sheldon Myers
ATTN: Jack Anderson
Office of Federal Activities
Environmental Protection Agency
Rm. W-541 Waterside Mall
401 M Street, SW
Washington, D. C. 20460

Mr. Dave Hopkins
Environmental Protection Agency
1421 Peachtree Street
Atlanta, Georgia 30309

U.S. Army Engineering District,
Nashville
P. O. Box 1070
Nashville, Tennessee 37202

Mr. James W. Warr
Alabama Water Improvement Commission
749 State Office Building
Montgomery, Alabama 36104

Mr. Charles B. Kelley
Department of Conservation &
Natural Resources
Division of Game & Fish
84 North Union Street
Montgomery, Alabama 36104