

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

TO: Mr. Harold R. Denton	FROM: Tennessee Valley Authority Chattanooga, Tennessee J. E. Gilleland	DATE OF DOCUMENT 11/25/77
		DATE RECEIVED 11/30/77
<input checked="" type="checkbox"/> LETTER <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> COPY	<input checked="" type="checkbox"/> NOTORIZED <input checked="" type="checkbox"/> UNCLASSIFIED	PROP INPUT FORM NUMBER OF COPIES RECEIVED <i>3516200</i>

DESCRIPTION Notorized 11/25/77...trans the following: PLANT NAME : Bellefonte Units 1 & 2 RJL 11/30/77 (2-P)	ENCLOSURE Consists of report entitled: "Submerged Multiport Diffuser Design for Bellefonte Nuclear Plant" ... (3-P)+(1/2") <i>41 ENCL / repro w/25</i>
---	---

SAFETY	FOR ACTION/INFORMATION	ENVIRONMENTAL
ASSIGNED AD:		ASSIGNED AD: V. MOORE (LTR)
BRANCH CHIEF: <i>PARR</i>		BRANCH CHIEF: <i>REGAN</i>
PROJECT MANAGER:		PROJECT MANAGER: (2) <i>R. Boyle</i>
LIC. ASST: <i>LTR RUSHBROOK</i>		LIC. ASST: <i>M. DUNCAN</i>
		B. HARLESS

INTERNAL DISTRIBUTION			
REG FILES	SYSTEMS SAFETY	PLANT SYSTEMS	SITE SAFETY & ENVIRON ANALYSIS
NRC PDR	R. MATTSON	TEDESCO	DENTON & MULLER
I & E (2)	SCHROEDER	BENAROYA	CRUTCHFIELD
FIELD LTR		IATNAS	
GOSSICK & STAFF LTR	ENGINEERING	IPPOLITO	
HANAUER	KNIGHT	F. ROSA	ENVIRON TECH
MIPC	BOSNAK		ERNST
CASE	SIHWEIL	OPERATING REACTORS	BALLARD
BOYD	PAWLICKI	STELLO	YOUNGBLOOD
		EISENHUT	
PROJECT MANAGEMENT	REACTOR SAFETY	SHAO	SITE TECH
SKOVHOLT	ROSS	BAER	GAMMILL (2)
P. COLLINS	NOVAK	BUTLER	
HOUSTON	ROSZTOCZY	GRIMES	SITE ANALYSIS
MELTZ	CHECK		VOLLMER
HELTEMES			BUNCH
SK	AT & I		J. COLLINS
	SALTZMAN		KREGER
	RUTBERG		

EXTERNAL DISTRIBUTION		CONTROL NUMBER
LPDR: SCOTTSBORO 4LA	NAT LAB: (3) ANL	
TIC		
NSIC		
REG V (J. HANCHETT)		
16 CYS SENT CATEGORY	TO ACRS	

November 25, 1977

Director of Nuclear Reactor Regulation
Attention: Mr. Harold R. Denton
Division of Site Safety and
Environmental Analysis
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Denton:

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

Enclosed are 41 copies of the report "Submerged Multiport Diffuser Design for Bellefonte Nuclear Plant." This report is submitted to the NRC staff to satisfy environmental condition 3.D.(4) of the Bellefonte Nuclear Plant Construction Permits (Nos. CPPR-122 and CPPR-123). This condition requires that results of thermal-hydraulic analytical studies and plans for physical modeling experiments be submitted to support the final design and location of the plant cooling water discharge. The enclosed report includes the results of the specified studies and experiments. It also supports the proposed diffuser location and the use of a submerged multiport diffuser design.

Very truly yours,

J. E. Gilleland
Assistant Manager of Power

Subscribed and sworn to before
me this 25 day of Nov 1977

Notary Public

My Commission Expires _____

Enclosure (41)
cc: See page 2

Also see enclosed distribution list

3-40147

Mr. Harold R. Denton

November 25, 1977

cc (Enclosure):

Mr. Regis Boyle, Project Manager
Environmental Projects Branch 2
Division of Site Safety and
Environmental Analysis
U.S. Nuclear Regulatory Commission
Washington, DC 20555

DISTRIBUTION LIST

ENVIRONMENTAL REPORT, AMENDMENTS, AND SUPPLEMENTS
(Number in parens indicates number of copies)

(Outside Agencies)

DEPARTMENT OF COMMERCE

Dr. Sidney R. Galler (6)
Deputy Assistant Secretary
for Environmental Affairs
U.S. Department of Commerce
14th & Constitution, NW., Room 3425
Washington, DC 20230

Mr. Robert Ochinerro, Director (1)
National Oceanographic Data Center
Environmental Data Service
National Oceanic and Atmospheric
Administration
U.S. Department of Commerce
Washington, DC 20235

DEPARTMENT OF INTERIOR

Mr. Bruce Blanchard, Director (18)
Office of Environmental Projects
Review, Room 5321
U.S. Department of the Interior
18th & C Streets, NW.
Washington, DC 20240

cc: (transmittal letter only)
Chief
Division of Ecological Services
Bureau of Sport Fisheries & Wildlife
U.S. Department of the Interior
18th & C Streets, NW.
Washington, DC 20240

DEPARTMENT OF HEALTH, EDUCATION
AND WELFARE

Mr. Charles Custard, Director (2)
Office of Environmental Affairs
U.S. Department of Health,
Education and Welfare, Room 4740
330 Independence Avenue, SW.
Washington, DC 20201

FEDERAL POWER COMMISSION

Mr. Whitman Ridgway, Chief (1)
Bureau of Power
Federal Power Commission, Room 5100
825 North Capitol Street, NE.
Washington, DC 20426

Dr. Carl N. Schuster, Jr. (2)
Federal Power Commission, Room 4016
825 North Capitol Street, NE.
Washington, DC 20426

DEPARTMENT OF TRANSPORTATION

(transmittal letter only
addressed to:)

Mr. Joseph Canny
Office of Environmental Affairs
U.S. Department of Transportation
400 7th Street, SW., Room 9422
Washington, DC 20590

cc of transmittal letter to:
CAPT William R. Riedel
Water Resources Coordinator
W/S 73 USCG, Room 7306
U.S. Department of Transportation
400 7th Street, SW.
Washington, DC 20590

(After DES is issued, send 4 copies
of ER & Amendments to Riedel)

cc w/l cy of encl:

Mr. James T. Curtis, Jr., Director
Materials Transportation Bureau
2100 Second Street, SW.
Washington, DC 20590

DOT REGIONAL OFFICE (1)

Secretarial Representative
U.S. Department of Transportation
Suite 515
1720 Peachtree Road, NW.
Atlanta, GA 30309

ENVIRONMENTAL PROTECTION AGENCY.

Chief, Energy Systems Analyses (1)
Branch (AW-459)
Office of Radiation Programs
U.S. Environmental Protection Agency
Room 645, East Tower
401 M Street, SW.
Washington, DC 20460

Chief, Environmental Evaluation (1)
Branch (WH-548)
Office of Water and Hazardous Materials
U.S. Environmental Protection Agency
Room 2818, Waterside Mall
401 M Street, SW.
Washington, DC 20460

EPA REGIONAL OFFICE.

Environmental Impact Coordinator (4)
Environmental Protection Agency
345 Courtland Street
Atlanta, GA 30308

ARMY ENGINEERING DISTRICT

U.S. Army Engineering District (1)
Nashville
P.O. Box 1070
Nashville, Tennessee 37202

ADVISORY COUNCIL ON HISTORIC PRESERVATION

Mr. Robert Garvey, Executive Director (1)
Advisory Council on Historic Preservation
1522 K Street, NW., Suite 430
Washington, DC 20005

cc (transmittal Letter only)

Chairman, Alabama Historical Commission
Alabama Department of Archives and History
Archives and History Building
Montgomery, Alabama 36104.

NATIONAL LABORATORY

Mr. Phil Gustafson (10)
Argonne National Laboratory
9700 South Cass Avenue
Argonne, IL 60439

Mr. F. Lamar Seals (1)
Regional Administrator
Department of Housing and Urban
Development
1371 Peachtree Street, NE
Atlanta, Georgia 30309

cc: (transmittal letter only)
Mr. Richard H. Brcun
Environmental Clearance Officer
Department of Housing and Urban
Development
7th and D Streets, SW, Rm. 7100
Washington, DC 20410

Office of Planning and Budget (1)
Room 615B
270 Washington Street, SW
Atlanta, Georgia 30334

Librarian/Thermal Reactors Safety (1)
Group
Building 130
Brookhaven National Laboratory
Upton, L. I. New York 11973

Atomic Industrial Forum (1)
1747 Pennsylvania Avenue, NW
Washington, DC 20006

The Honorable Sam Gant (1)
Chairman, Board of County Commissioners
Jackson County Courthouse
Scottsboro, Alabama 35768

State Department of Public Health (1)
ATTN: State Health Officer
State Office Building
Montgomery, Alabama 36104

Alabama Development Office (10)
State Office Building
Montgomery, Alabama 36104

Top of Alabama Regional Council of
Governments (1)
350 State National Bank Building
Huntsville, Alabama 35801