

**NRC DISTRIBUTION FOR PA 50 DOCKET MATERIAL**

**TO:**  
Mr. Olan D. Parr

**FROM:**  
Tennessee Valley Authority  
Chattanooga, Tennessee  
J. E. Gilleland

**DATE OF DOCUMENT**  
5/16/77  
**DATE RECEIVED**  
5/18/77

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**DESCRIPTION**

(2-P)

**PLANT NAME:**  
Bellefonte Units 1 & 2

RJL

**ENCLOSURE**

Consists of information concerning comparison of Bellefonte Nuclear Plant and Grand Gulf Diesel Generators.....

**DO NOT REMOVE**

**ACKNOWLEDGED**

20 encl.

SAFETY		FOR ACTION/INFORMATION		ENVIRO	
ASSIGNED AD:	VASSALLO (LTR)	ASSIGNED AD:		ASSIGNED AD:	
BRANCH CHIEF:	PARR (LTR)	BRANCH CHIEF:		BRANCH CHIEF:	
PROJECT MANAGER:	PIKE	PROJECT MANAGER:		PROJECT MANAGER:	
LIC. ASST. :	RUSHBROOK (LTR)	LIC. ASST. :		LIC. ASST. :	

INTERNAL DISTRIBUTION			
REG. FILE	SYSTEMS SAFETY	PLANT SYSTEMS...	SITE SAFETY &
NRC PDR	HEINEMAN	TEDESCO	ENVIRO ANALYSIS
I & E (1)	SCHROEDER	BEMAROYA	DENTON & MULLER
OELD		LAINAS	
GOSSICK & STAFF	ENGINEERING	IPPOLITO	ENVIRO TECH.
MIPC	MACARRY	KIRKWOOD	ERNST
CASE	BOZAK	F. ROSA (5 ADVANC)	BALLARD
HANAUER	SIHWEIL	OPERATING REACTORS	SPANGLER
HARLESS	PAWLICKI	STELLO	
			SITE TECH.
PROJECT MANAGEMENT	REACTOR SAFETY	OPERATING TECH.	GAMMILL
BOYD LTR.	ROSS	EISENHUT	STEPP
P. COLLINS	NOVAK	SHAO	HULMAN
HOUSTON	ROSZTOCZY	BAER	
PETERSON	CHECK	BUTLER	SITE ANALYSIS
MELTZ		GRIMES	VOILLMER
HELTEMES	AT & I		BUNCH
SKOVHOLT	SALTZMAN		J. COLLINS
	RUTBERG		KREGER

EXTERNAL DISTRIBUTION			CONTROL NUMBER
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NSIC:	IA PDR		
ASLB:	CONSULTANTS:		
ACRS 3 CYS HOLDING/SENT			

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

Regulatory Docket File

May 16, 1977



Director of Nuclear Reactor Regulation
Attention: Mr. Olan D. Parr, Chief
Branch No. 3
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Parr:

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

Delaval, the manufacturer of the diesel generators for the Bellefonte Nuclear Plant, has performed a complete qualification test program for the diesel generator units they supplied for use at the Grand Gulf Nuclear Station. Because of the similarity of the Grand Gulf and Bellefonte diesel generators, TVA intends to reference the Grand Gulf 300 start test as part of the Bellefonte Nuclear Plant qualification program in lieu of performing a 300 start test on a Bellefonte diesel generator unit. This matter was discussed with your staff at an April 14, 1977, meeting.

Enclosure 1 is a comparison of the Grand Gulf and Bellefonte diesel generators showing that they are essentially identical. The only difference is the generator output voltage which results in the Bellefonte diesel generator having a larger system rotational inertia than the Grand Gulf unit. Enclosure 2 provides an evaluation of the effect of this difference on the acceleration of the diesel generator unit to rated speed. Enclosure 3 documents the Grand Gulf 300 start test.

We request that you review the enclosed information and inform us if you disagree with our intent to reference the Grand Gulf 300 start test in lieu of performing a 300 start test for the Bellefonte diesel generator unit.

Mr. Olan D. Parr

May 16, 1977

Since factory testing of the Bellefonte diesel generators is now in progress, we request that you complete your review as soon as possible.

Very truly yours,

*James P. Harding*  
for J. E. Gilleland  
Assistant Manager of Power

Enclosures (20)