

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL  
(TEMPORARY FORM)

CONTROL NO: 6221

FILE: CONSULTANT

FROM: Dept of the Army Vicksburg, Miss. 39180 J. P. Sale		DATE OF DOC 6-26-74	DATE REC'D 7-2-74	LTR X	TWX	RPT	OTHER
TO: W. P. Gammill		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: <u>50-438/439</u>		

DESCRIPTION:  
Ltr furnishing addl comments on reviewed addl rock and soils investigations and analyses data in the Intake Channel Area.....

NOTE: AEC PDR & Local PDR given to R. Graham for Dist

PLANT NAME: Bellefonte Units 1 & 2

ENCLOSURES:

**ACKNOWLEDGED**  
**DO NOT REMOVE**

FOR ACTION/INFORMATION 7-9-74 GC

BUTLER(L) W/ Copies	SCHWENCER(L) W/ Copies	ZIEMANN(L) W/ Copies	REGAN(E) W/ Copies
CLARK(L) W/ Copies	STOLZ(L) W/ Copies	DICKER(E) W/ Copies	✓GAMMILL W/ 2Copies
✓ PARE/Wilson W/3 Copies	VASSALLO(L) W/ Copies	KNIGHTON(E) W/ Copies	W/ Copies
KNIEL(L) W/ Copies	PURPLE (L) W/ Copies	YOUNGBLOOD(E) W/ Copies	W/ Copies

INTERNAL DISTRIBUTION

✓ <u>REG FILE</u>	<u>TECH REVIEW</u>	✓ <u>DENTON</u>	<u>LIC ASST</u>	<u>A/T IND</u>
✓ AEC PDR	✓ HENDRIE	GRIMES		BRAITMAN
✓ OGC, ROOM P-506A	✓ SCHROEDER	GAMMILL	DIGGS (L)	SALTZMAN
✓ MUNTZING/STAFF	MACCARY	KASTNER	GEARIN (L)	B. HURT
CASE	KNIGHT	BALLARD	GOULBOURNE (L)	<u>PLANS</u>
GIAMBUSSO	PAWLICKI	SPANGLER	KREUTZER (E)	MCDONALD
BOYD	SHAO		LEE (L)	CHAPMAN
✓ MOORE (L) (BWR)	STELLO	<u>ENVIRO</u>	MAIGRET (L)	DUBE w/input
DEYOUNG (L) (PWR)	HOUSTON	MULLER	REED (E)	E. COUPE
SKOVHOLT (L)	NOVAK	DICKER	SERVICE (L)	D. THOMPSON (2)
GOLLER(L)	ROSS	KNIGHTON	SHEPPARD (L)	KLECKER
P. COLLINS	IPPOLITO	YOUNGBLOOD	SLATER (E)	EISENHUT
DENISE	TEDESCO	REGAN	SMITH (L)	
REG OPR	LONG	PROJECT LDR	TEETS (L)	
<u>FILE &amp; REGION(3)</u>	LAINAS		WILLIAMS (E)	
MORRIS	BENAROYA	<u>HARLESS</u>	WILSON (L)	
STEELE	VOLLMER			

EXTERNAL DISTRIBUTION

✓ 1 - LOCAL PDR <u>Scottsboro, Ala.</u>	(1) (2) (10) - NATIONAL LAB'S	1-PDR-SAN/LA/NY
1 - TIC (ABERNATHY)	1-ASLBP (E/W Bldg, Rm 529)	1-LIBRARIAN
1 - NSIC (BUCHANAN)	1-W. PENNINGTON, Rm E-201 GT	BROOKHAVEN NAT. LAB
1 - ASLB	1-CONSULTANT'S	1-AGMED (Ruth Gussman)
1 - P. R. DAVIS (AEROJET NUCLEAR)	NEWARK/BLUME/AGBABIAN	RM-B-127, GT.
16 - CYS ACRS HOLDING	1-GERALD ULRIKSON...ORNL	1-RD..MULLER..F-309 GT
	1-B & M SWINEBROAD, Rm E-201 GT	

# Regulatory Docket File



DEPARTMENT OF THE ARMY  
WATERWAYS EXPERIMENT STATION, CORPS OF ENGINEERS  
P. O. BOX 631  
VICKSBURG, MISSISSIPPI 39180

IN REPLY REFER TO: WESST

50-438

26 June 1974

50-439

Mr. William P. Gammill  
Chief, Site Analysis Branch  
Directorate of Licensing Regulation  
U. S. Atomic Energy Commission  
Washington, D. C. 20545



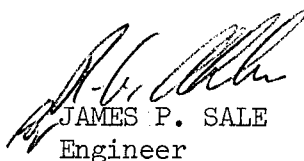
Dear Mr. Gammill:

As requested informally by your office and as agreed during a meeting in our offices on 6 February 1974, we have reviewed additional rock and soils investigations and analyses data in the Intake Channel Area of the Bellefonte Nuclear Power Plant that we received directly from TVA.

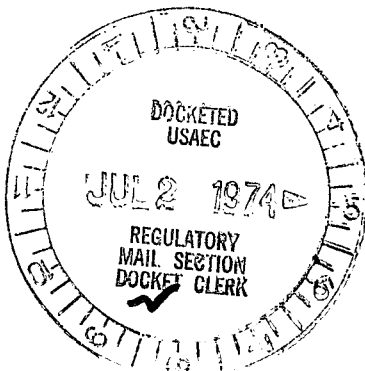
We conclude that the additional data indicate intake channel slopes should be stable for normal operating and seismic design conditions, although we do not agree with all aspects of the analyses and selected design criteria. The use of R instead of S-R combined-strength envelopes and a safety factor of 1.0 for the SSE with normal pool are not considered conservative; nevertheless, considering the R analyses and check computations we have made, together with seismic factors selected, we regard these slopes to be stable. We understand the slopes will be protected by filters and riprap, which is considered necessary for them to be stable.

If you have any questions concerning our review, please contact Dr. R. J. Lutton or Mr. S. J. Johnson at area code 601, telephone No. 636-3111, extension 3393 or 2743.

Sincerely yours,

  
JAMES P. SALE  
Engineer

Chief, Soils and Pavements Laboratory



6221