



**ENTERGY**

Entergy Operations, Inc.  
P.O. Box 756  
Port Gibson, MS 39150  
Tel 601 437 6408

**W. T. Cottle**  
Vice President  
Operations  
Grand Gulf Nuclear Station

February 7, 1992

U.S. Nuclear Regulatory Commission  
Mail Station P1-137  
Washington, D.C. 20555

Attention: Document Control Desk

SUBJECT: Grand Gulf Nuclear Station  
Unit 1  
Docket No. 50-416  
License No. NPF-29  
Groundwater Level Exceeds 109.0' MSL in Dewatering Well 8

GNRO-92/00001

Gentlemen:

Monthly groundwater level readings taken at dewatering well 8 (DW-8) on August 29, 1991 indicated a level of 109.9 feet mean sea level (MSL). Other measurements of groundwater level at DW-8 on September 27, 1991, October 1, 1991, and January 3, 1992 indicated levels of 109.0 feet MSL, 109.1 feet MSL, and 109.5 feet MSL respectively. DW-8 is located near the southeast corner of the Radwaste Building. These occurrences of groundwater level exceeding 109.0 feet MSL are being reported as requested by your letter dated August 19, 1985 (MAEC-85/0284).

The August 29 occurrence was caused by fouled dewatering well level probes which control operation of the pump. The September 27 and October 1 occurrences were caused by the pump's power supply circuit breaker being opened inadvertently when personnel deenergized some yard lighting via an adjacent breaker. The January 3 incident occurred as a result of sump pump motor failure.

Response to these events has increased the preventive maintenance (PM) program frequency for DW-8 to 2 month intervals. In addition, level setpoints on all dewatering wells will be verified as part of the PM program on dewatering well work tasks. Dewatering well circuit breakers have also been labeled. Future changes to the dewatering well program equipment may reinstate the previous PM program frequency.

An engineering study performed in 1985 concluded that groundwater levels up to 114.5 feet MSL would not impair the structural integrity of Unit 1 buildings as previously submitted by letter dated February 14, 1985 (AECM-85/0035).

SPRPTJAN - 1

100118

9202110374 920207  
PDR ADCK 05000416  
S PDR

ADD 1/0

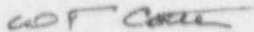
February 7, 1992

GNRO-52/00001

Page 2 of 3

A groundwater program is presently evaluating issues associated with high groundwater levels. A final report of the groundwater program is scheduled for issuance by April 30, 1992.

Yours truly,



WTC/BAB/cg

cc: Mr. D. C. Hintz  
Mr. J. L. Mathis  
Mr. R. B. McGehee  
Mr. W. S. Reynolds  
Mr. H. L. Thomas

Mr. Stewart D. Ebnetter  
Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta St., N.W., Suite 2900  
Atlanta, Georgia 30323

Mr. P. W. O'Connor, Project Manager  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Mail Stop 13H3  
Washington, D.C. 20555