



STATE OF MISSISSIPPI

HALEY BARBOUR

GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

October 8, 2007

Mr. Rusty Shaw
Entergy Operations, Inc.
P.O. Box 756
Port Gibson, MS 39150

Re: Groundwater Withdrawal
Grand Gulf Nuclear Station

Dear Mr. Shaw:

After Staff review, we concur with the assessment that groundwater withdrawal permits MS-GW-02967, MS-GW-15026, and MS-GW-14989 previously issued to Entergy are indeed screened in localized terrace deposits and not the Catahoula Formation as stated on the permits. The three permits will be modified to reflect the aquifer correction and new permits will be forwarded to Entergy shortly. Please note that MDEQ does not recognize "Upland Complex" as an aquifer in Mississippi and instead will designate the aquifer name for the referenced wells as "undifferentiated terrace deposit" which is understood to be of Pleistocene age. The name should not really be of concern to Entergy since the aquifer is not part of the designated sole source Southern Hills Regional Aquifer System of Miocene age.

This agency is quite familiar with the Grand Gulf facility and groundwater withdrawal occurring in the area. Based on the information provided by Entergy and Enercon Services regarding the groundwater withdrawal requirements for the construction and operation of Entergy's Unit 3, the MDEQ does not have any major issues or concerns with the project at this time. This synopsis is based on several factors including the large tract of land owned by Entergy in the surrounding area, the sparse population residing in this region of Clairborne County, and Staff's knowledge of previous dewatering efforts at the facility. Although the dewatering scheduled during the construction phase of the project will involve pumping approximately 1.0 MGD, the only well interference or drawdown issues that should potentially arise from this pumping would mostly likely involve other Entergy-operated wells at Grand Gulf. Entergy may wish to consider placing a few observation wells along the periphery of its property that could be used to track water-level declines during the dewatering phase and document conditions related

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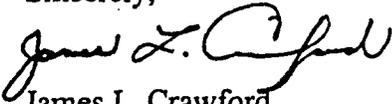
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to any identified outlying domestic wells. The MDEQ does not anticipate any permit restrictions associated with the wells used during the construction and operation of Unit 3. However, groundwater withdrawal permits for the dewatering wells likely will include special terms and conditions to address the temporary pumping timeframe.

If you have any questions, please contact me at (601) 961-5201.

Sincerely,

A handwritten signature in cursive script, appearing to read "James L. Crawford".

James L. Crawford
Assistant Director