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 FACIL: 50-438 Bellefonte Nuclear Plant, Unit 1, Tennessee Valley Au: 05000438
 50-439 Bellefonte Nuclear Plant, Unit 2, Tennessee Valley Au: 05000439

AUTH. NAME: AUTHOR AFFILIATION
 MILLS, L.M. Tennessee Valley Authority
 RECIPIENT NAME: RECIPIENT AFFILIATION
 EISENHUT, D.G. Division of Licensing

SUBJECT: Forwards 811020. ltr to AL Water Improvement Commission
 containing addl. matl covering preoperational metal cleaning,
 waste disposal ponds described in engineering rept. Location
 map showing evaporation/percolation ponds encl.

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TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

October 29, 1981



Mr. Darrell G. Eisenhut, Director
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Mr. Eisenhut:

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

Enclosed for your information is a copy of a letter from TVA to the Alabama Water Improvement Commission concerning the Bellefonte Nuclear Plant project. This letter contains additional material covering the preoperational metal cleaning waste disposal ponds described in the engineering report mailed to you on March 31, 1981.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

A handwritten signature in cursive script, appearing to read "L. M. Mills".

L. M. Mills, Manager
Nuclear Regulation and Safety

Enclosure

Boo! *Photo To: PM*

8111030318 811029
PDR ADDCK 05000438
A PDR

OCT 20 1981

126 Locust Street Building

Alabama Water Improvement Commission
Public Health Services Building
Montgomery, Alabama 36130-1701

Attention: Mr. J. P. Martin

Gentlemen:

BELLEFONTE NUCLEAR PLANT - NPDES PERMIT NO. AL0024635

This is in reference to past correspondence and discussions between you and my staff related to our proposed method for treating preoperational metal cleaning wastes at the subject plant. Enclosed for your information is a location map showing the evaporation/percolation ponds as they were constructed. Please note that the location of the smaller pond was changed slightly and the surface area was reduced from that indicated in the engineering report submitted to you on March 13, 1981. The pond location was changed because the existing haul road was straightened since it will become the main entrance from the north when the new security plan for the plant goes into effect. The surface area of the larger pond was increased in order to maintain a combined surface area of ten acres.

The enclosed map also shows the approximate location of the ground water monitoring wells referenced in your letter to me dated April 17, 1981. We initiated the background ground water monitoring program on June 25, 1981. Five weekly samples were collected from each well before any wastewaters were discharged into the ponds. To ensure the well's background water quality characteristics, we analyzed these samples for additional constituents over those requested in your letter to me dated April 17, 1981. The collection dates and data for these samples are given in table 1. We do not believe the data for well B1, collected on July 6, 1981, is representative; however, no reason for the higher values is offered at this time.

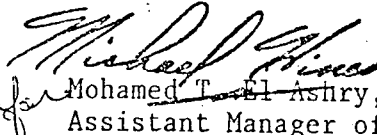
Please note that we are analyzing for total phosphorus to meet your requirement of monitoring for phosphates. Samples collected after July 23, 1981 will only be analyzed for those constituents you requested--total dissolved solids, sulfate, pH, sodium, and total phosphorus. These data will be submitted quarterly with the discharge monitoring report.

OCT 20 1981

Alabama Water Improvement Commission

If you have any questions or comments concerning this program, please call Stephen R. Wells or Michael Hines at FTS 872-8971 or (205) 386-2971 in Muscle Shoals, Alabama.

Sincerely,


for Mohamed T. El-Ashry, Ph.D.
Assistant Manager of Natural
Resources (Environment)

FAM:SRW:JAG
Enclosures