

September 10, 1980

United States Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Attn: Mr. D. W. Hayes  
Technical Support Section Chief

RE: Marble Hill Nuclear Generating Station Units 1 and 2

Dear Sir:

Following is an additional listing information supplementing the information requested in our letter of September 5, 1980:

1. Copies of complete written field data (i.e. notes, sketches, etc.) relating to all the nondestructive testing performed on the in-situ concrete and any other nondestructive testing performed which was related to the evaluation of in-situ concrete. Data to include all velocity reading information taken on all concrete.
2. Explanation of the specific interpretation for each wave reflector indication observed in the nondestructive testing performed on the in-situ concrete.
3. Copies of the overlays used by R. A. Muenow in the discussions which were relative to explain the explainable discontinuities.
4. Copies of test records showing the calibration of all nondestructive testing performed on May 7 & 8, June 28 & 28, July 6 & 7, July 17, 18, 19, 20 & 21, August 12, 13 & 24, September 26 & 27 and October 8, 9, 10 & 11, 1979.
5. Identification of the nature and extent of the nondestructive testing performed on June 29, August 12, 13 & 24, September 26 & 27 and October 8, 9, 10 & 11, 1979 along with copies of the field test records and the related information of the testing performed.
6. Identification of the specified concrete strength for the portion of the 60 areas involved in the nondestructive testing which are not reported on the A- sheets in the S & L Report SL-3753.
7. Identification of all of the areas involved in the nondestructive testing which had concrete placements prior to the modification of paragraph 413.6h of WPN-9, Amd 6, dated 5/10/78 and which would not meet the requirements of paragraph 413.6h of the specifications after the insertion and implementation of Amd 6.
8. Identification of all of the areas involved in the nondestructive testing which had concrete placements in accordance with paragraph 4.2.5 of WPN-9, Amd 7, dated 6/28/78.

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9. Identification of all of the areas involved in the nondestructive testing which had concrete placed in accordance with paragraph 415.1ff of WPN-9.
10. Identification of the areas of inaccessible concrete which was not included in the nondestructive testing and the volumes of concrete related to each.
11. Identification of all of the areas involved in nondestructive testing where coated stainless steel sump lines are located.
12. Copies of Nonconformance Reports 370, 371, 380, 384, 386, 387, 389, 391 407 and 408.
13. Copies of the comment sheets and drawings compiled during the SPP-5 inspection.
14. Identification of the members involved in the concrete repair program which are planned or anticipated to have additional support during the concrete removal, repair and curing processes.
15. Copy of Description of Licensee Activities Addressing Order Confirming Suspension of Construction, dated February 28, 1980.
16. Copy of Construction Verification Program Final Report.

We would appreciate your expediting the above information so that we can complete our evaluation as soon as possible.

Very truly yours,

*Rolland C. Hamm Alfred L. Parmé*

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RCH-ALP/slh

CC: Parameter, Inc.

QUESTIONS  
MARBLE HILL NUCLEAR  
GENERATING STATION, UNITS 1 AND 2  
September 26, 1980

Provided below is a series of questions that have been formulated as of this date as a result of review by IE Headquarters personnel associated with the evaluation of the Marble Hill concrete problems currently being reviewed by two independent NRC consultants.

HQ-1: As a result of discussions with PSI personnel and PSI consultants during the week of August 25, 1980 several problem areas were defined in the Sargent & Lundy report, SL-3753, dated November 20, 1979. It is understood that PSI intends to revise that document. Indicate the form of the revisions such as whether certain pages will be revised, a new report submitted or some other form. Also indicate the schedule for submission of the revisions.

HQ-2: Formed Areas - Categorize all formed areas where concrete has been placed, cured and is capable of performing structurally after form removal into two categories. These two categories would be as follows:

- A - accessible areas for form removal where scaffolding being used for continued work, equipment etc. do not preclude form removal
- B - inaccessible areas for form removal due to scaffolding being used for continued work, equipment etc.

For each area listed describe when form removal will occur (Category A) or why form removal is not possible (Category B).

It was noted during the site visit on August 28 and 29, 1980 that certain areas should be made available for SPP-5 type review such as the intermediate level (mezzanine) at Elev. 391' in the Aux. Bldg. Such areas (Category A) should be made visible in order to assess surface conditions and determine visually if any critical problem areas exist.

HQ-3: Provide information regarding what actions are currently underway by PSI to prepare for concrete repair work needed in Category I concrete structures. Define and describe the different types of repairs that are expected to be necessary. Provide information regarding PSI's intentions regarding the phasing of any needed repairs with other work such as installation of pipe, cable trays and equipment.

HQ-4: Provide information regarding those areas in Category I concrete structures where ground water appears to be passing through the concrete. Provide data to indicate concrete thickness, available water head, water flow rates (permeability), description of defect if possible and other pertinent information for each location. Indicate whether any of the testing for voids, honeycomb etc. can be related to these areas.