



UNITED STATES
 NUCLEAR REGULATORY COMMISSION
 REGION III
 739 ROOSEVELT ROAD
 GLEN ELLYN, ILLINOIS 60137

June 27, 1979

Docket Nos. 50-546
 50-547

Public Service of Indiana
 Attention: Mr. S. W. Shields
 Vice President
 Electric System
 1000 E. Main Street
 Plainfield, IN 46168

Re: at: ammen:

This refers to the discussion between you and I and others of our respective staffs on June 26, 1979, regarding the quality of concrete construction activities at the Marble Hill Units 1 and 2 plant site. We understand based on these discussions that Public Service of Indiana will:

1. With its contracted organizations, continue surface and volumetric examination of existing concrete to establish its adequacy and randomly select and test a statistical sample, representative of both congested and other concrete volumes to assure with 95% reliability and 95% confidence level, that concrete quality meets requirements. This examination program shall be expeditiously implemented and completed.

Evaluate and take appropriate corrective actions of all identified deficiencies and assess them in terms of their impact on safety related concrete construction activities.

2. Identify and evaluate concrete repair areas for adequacy. This effort is to include no less than those areas referenced by existing QA/QC documentation for repaired areas and those identified by 100% visual/mechanical examination of existing concrete structures.
3. Limit future concrete placement to non-safety related structures to permit the NRC to review and evaluate QA program improvements instituted on or about May 16, 1979 by PSI as a result of previously identified concrete deficiencies. During the existence of this concrete placement limitation, QA/QC controls for non-safety related concrete activities will be the same as would be used for safety related structures.

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4. Not resume concrete placement for safety related structures until the NRC is satisfied by comprehensive demonstration that your upgraded QA/QC program and process controls are adequate.
5. Following resumption of concrete placement for safety related structures, provide complete (100%) "overview" of all safety related concrete activities at the site. This "overview" is to continue until adequate confidence is established to the satisfaction of PSI and NRC.

Evidence of PSI's overview of the involved contractor's quality related activities is to be documented.

6. Stop all safety related concrete activities until the cause and consequent conditions are fully rectified if significant deficiencies are identified during the course of completing the above actions. NRC is to be immediately informed of such occurrences.

Please inform us if your understanding of this program is different from that stated.

Sincerely,


James G. Keppler
Director

cc: R. M. Brown, Construction
Project Superintendent
Central Files
Reproduction Unit NRC 20b
PDR
Local FDR
NSIC
TIC
LeBoeuf, Lamb, Leiby & MacRae

IMMEDIATE ACTION LETTER

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