INSPECTION REQUIREMENTS TO REVIEW LICENSEE ACTIONS TAKEN IN RESPONSE TO IE BULLETIN 80-11, MASONRY WALL DESIGN

I. OBJECTIVE

Verify that the licensee has taken the action required by IE Bulletin 80-11 as to the design of masonry (block) walls in proximity to safety-related systems or having attachments from safety-related systems.

II. BACKGROUND INFORMATION

IE Bulletin 80-11 was issued on May 8, 1980 (copy attached for reference). The generic implications of the deficiencies identified at the Trojan Nuclear Plant cause us to have concern with regard to the adequacy of the design criteria used in the design of masonry walls and the apparent lack of design coordination between the structural and piping/equipment design groups.

II. INSPECTION REQUIREMENTS

The response to the Bulletin will be jointly evaluated by IE and NRR. The evaluation responsibilities are given below.

A. Specific guidance is provided below (in accordance with the numbering of the Bulletin) as to Bulletin interpretation, onsite observations, and review of responses.

1. Identification of masonry walls - verify that masonry walls that could potentially affect safety-related systems or components are identified and that the associated systems and components are described. Non-safety-related systems or components are of concern only if they contribute loads to the masonry wall. For safety-related systems in proximity to masonry walls, it is sufficient that the licensee generally describe these systems and components, which then identifies those walls as important to plant safety and also enables an assessment of the priority given for the wall re-evaluation.

   Onsite inspections should consist of an examination of at least five masonry walls or 10% of the total number of masonry walls, whichever is greatest (consider only safety-related masonry walls).

2.a. Masonry wall re-evaluation program and schedule - review the priorities in the re-evaluation program and the schedule to determine whether appropriate priorities are considered

as indicated in the Bulletin. Other factors, not mentioned in the Bulletin, which may influence the re-evaluation priority include, unreinforced masonry walls, walls for which the original design did not take into account all the postulated loads and load combinations, or unusual wall geometry.

2.b. (i), (ii), (iii), and 3. Re-evaluation report and test program - subject to NRR review.

4. Schedule for response - verify that the response to the NRC is within the specified time interval. For those cases in which the schedule significantly extends beyond the Bulletin time frame, the justification should be discussed with the IE Headquarters Contact listed in Section VI. The licensee should consider what can be done in the Bulletin time frame, what priorities are established to complete the action, and provide a written commitment to the new schedule if acceptable to the NRC.

B. For those instances in which the failures or deficiencies are identified, verify that applicable T.S. requirements are met, directly observe repair activities on a sampling basis, and review QA records for the repair. Subsequent reinspections should be made if significant discrepancies are found between the response and the onsite observation both as to the identification and repair of masonry walls.

In addition to the above guidance, the inspection and review for IEB 80-11 should also satisfy the requirements set forth in MC 92703.

IV. REPORTING REQUIREMENTS

The results of the inspection required in Section III above shall be included in the normal inspection report.

V. EXPIRATION

This TI shall remain in effect until November 1, 1981.

VI. IE HEADQUARTERS CONTACT

Questions concerning this TI should be addressed to:
H. J. Wong (492-8180)

VII. MODULE TRACKING SYSTEM INPUT (766 DATA)

For module tracking system input, record the actual inspection effort against Module No.25537B.

Enclosure:
IE Bulletin No. 80-11