

**Nuclear**

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U.S. NUCLEAR  
REGULATORY COMMISSION

TMI Program Office  
Attn: Mr. L. H. Barrett  
Deputy Program Director  
US Nuclear Regulatory Commission  
c/o Three Mile Island Nuclear Station  
Middletown, PA 17057

Dear Sir:

Three Mile Island Nuclear Station, Unit 2 (TMI-2)  
Operating License No. DPR-73  
Docket No. 50-320  
Polar Crane Load Test SER

Attached for your review and comment is Addendum I to the Polar Crane Load Test Safety Evaluation Report (SER).

The purpose of this addendum is to update the subject SER to incorporate changes which have taken place as a consequence of responses to NRC and other comments regarding the Load Test Procedure and the Operating Procedure. A discussion of the changes follows. (The numbering used below corresponds with that used in the SER.)

Section 2.4 Disassembly of Test Load. The load test frame may be stored along with the missile shields on top of the "B" D-Ring. The safety aspects of this activity are totally enveloped by the evaluation done for the dropping of a missile shield.

Figure 2.3-1 Path of Test Load Assembly. A 45° rotation evolution has been added to the test procedure during the movement of the full test load to verify hook rotation.

Figures 2.4-2 and 2.4-3 Load Path of Reactor Missile Shield Blocks to Storage Location after Completion of Load Test. The load path has been modified such that the shield blocks are moved in a counter-clockwise direction rather than the clockwise direction as presently shown. The safe load path has been evaluated and expanded slightly in the vicinity of the enclosed stairwell to accommodate the revised load path of the reactor missile shields. Please refer to drawings 2-P09-MH04, Revision 0, and 2-P09-MH02, Revision 1, attached.

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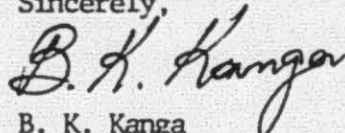
Figure 3.3-1 Load Test Rigging (complete assembly). The load test rigging has been revised to incorporate load equalizing members at each corner of the frame. Please refer to drawing 2-COP-1302, Revision 2, attached.

Figure 3.3-2 Missile Shield Rigging (complete assembly). The missile shield rigging has been revised to incorporate design developments as shown on drawing 2-COP-1302, Revision 3, attached.

Figure 4.2-1, 4.2-2, and 4.2-3 Potential Load Impact Areas. The safe load path has been slightly expanded in the area between the "B" D-Ring and the enclosed stairwell to accommodate the revised path for placement of the reactor missile shields. Please refer to revised figures 4.2-1, 4.2-2, and 4.2-3, attached.

If you have any questions or desire further information, please contact Mr. J. J. Byrne of my staff.

Sincerely,



B. K. Kanga  
Director, TMI-2

BKK/RBS/jep

Attachment

CC: Dr. B. J. Snyder, Program Director - TMI Program Office