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W. R. Butler, Chief
Light Water Reactors Branch-4
Division of Project Management

Subject: Flow Induced Vibration Tests of Reactor Internals on Crystal River Unit 3 - Docket No. 50-302

At the request of Mr. Leon Engle, the Mechanical Engineering Branch, Division of Systems Safety has evaluated the Crystal River Unit 3 applicant's request to perform pre-operational flow-induced vibration tests of reactor internals by using only three of the four reactor coolant pumps. Position D.1 of NRC Regulatory Guide 1.20 states "reactor internals important to safety should be subjected during the pre-operational functional testing program to all significant flow modes of normal reactor operation and under the same test conditions imposed on the prototype design whose vibration analysis and tests have been accepted and approved." The MEB is of the opinion that to satisfy the above guideline, all four reactor coolant pumps have to be utilized in various combinations of flow modes of operation and transients to assure that all critical reactor internals are subjected to the most severe forcing functions that could occur during the more critical modes of reactor operations.

James P. Knight, Chief
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