

**From:** Guzman, Richard  
**Sent:** Monday, July 01, 2013 1:55 PM  
**To:** 'wlobo@entergy.com'  
**Cc:** Lynch, Joseph R  
**Subject:** Request for Additional Information - Pilgrim Nuclear Power Station PR-03 and PR-05 Fifth Ten-Year Inservice Testing (IST) Program (TAC No. MF0370)

Walter,

As we discussed, the NRC staff is reviewing the information provided in the subject letter dated December 6, 2012 (ADAMS Accession No. ML12342A386) and has determined that additional information is needed to support its review. Below is the NRC staff's request for additional information (RAI). To support the staff's timely review, we request that you provide a formal response by August 30, 2013. Please contact me if you have any questions.

Thanks,

**Rich Guzman**  
**Sr. Project Manager**  
**NRR/DORL/LPL1-1**  
**US NRC**  
**301-415-1030**

**REQUESTS FOR ADDITIONAL INFORMATION (RAI)**  
**ENERGY NUCLEAR OPERATIONS, INC.**  
**PILGRIM NUCLEAR POWER STATION**  
**ALTERNATIVE REQUESTS PR-03 REVISION 4 AND PR-05**  
**DOCKET NUMBER 50-293**  
**(TAC NO. MF0370)**

**RAI PR-03-1**

It is stated in part, in Section 6 of the Reference, that, "Enclosures 1 and 2 (of Entergy Outgoing NRC Letter 02.08.007) provide HPCI pump vibration spectrum at locations required by the operators manager OM) Code procedure." The vibration information in Enclosures 1 and 2 is for the time period from 1994 to 2005. Please provide the high-pressure coolant injection (HPCI) pump vibration spectrum for the time period from 2006 through 2012.

**RAI PR-03-2**

It is stated in part, in the second bullet of Section 5 of the Reference, that, "Quarterly lubrication oil sampling and periodic laboratory analysis as appropriate for the pressure-fed bearings..." Please provide a more detailed explanation as to what is meant by "periodic laboratory analysis as appropriate."

**RAI PR-03-3**

The HPCI main pump proposed vibration values at vibration points P3H, P4H, and P4V, for the Acceptable Range, at vibration points P3H, P4H, and P4V for the Alert Range, and for vibration points P3H and P4H for the Required Action Limit are higher than the proposed values at the same points in Alternative Request PR-03 Revision 3, which was authorized by the NRC staff.

Please explain why you are proposing to increase the vibration values as stated above over what was authorized in Alternative Request PR-03 Revision 3.

**RAI PR-05-1**

ISTB-5300(a)(1) is applicable to Group A and comprehensive pump tests. The standby liquid control (SLC) pumps are Group B pumps. Is the alternative that is requested only applicable to the comprehensive pump test for the SLC pumps?

**RAI PR-05-2**

Please describe other alternatives for measuring flow rate that have been considered, such as installing instrumentation for measuring flow rate (permanent or temporary), and explain why these could not be implemented.

**RAI PR-05-3**

Please explain why the existing test tank cannot be replaced with a larger test tank.