

December 14, 2012

Mr. Jeffery McConkey, Quality Assurance Manager
Flowserve Corporation
Limitorque Valve Operator Manufacturer
5114 Woodall Road
Lynchburg, VA 24502

SUBJECT: FLOWSERVE RESPONSE TO THE U.S. NUCLEAR REGULATORY
COMMISSION INSPECTION REPORT NO. 99900100/2012-201 NOTICE OF
VIOLATION, AND NOTICE OF NONCONFORMANCE

Dear Mr. McConkey:

Thank you for your November 21, 2012 letter in response to the Notice of Violation (NOV) and Notice of Nonconformances (NONs) that were discussed in the subject U.S. Nuclear Regulatory Commission (NRC) inspection report (IR).

We reviewed your letter and found that it was responsive and acceptable in regards to most of the issues discussed in IR 99900100/2012-201. However, there were a few exceptions that we would like clarity and additional response to. Specifically, Flowserve's response to:

- NON 99900100/2012-201-03 stated that Flowserve failed to verify the adequacy of certain design features associated with Grade 5 Hex Head Cap Screws that were procured from commercial suppliers and dedicated by Flowserve for use in safety-related applications. However, your response failed to state the disposition of the population of Grade 5 Hex Head Cap Screws that were the subject of the nonconformance. In addition, the response did not address Flowserve's plans regarding receipt of hardware from the subject supplier prior to the Commercial Grade Survey being conducted and if Flowserve performed an extent of condition review to determine if this issue exists with other suppliers. Please clarify your response to address these concerns.
- NON 99900100/2012-201-04 stated that the quality control inspector performing the inspection of three four-train geared limit switches disassembled one limit switch when it did not pass one of its critical characteristic checks, performed work to correct the problem, reassembled, did not document, and retested the switch. However, your response failed to state the disposition of the three four-train geared limit switches. In addition, Flowserve failed to determine if other work was performed by quality inspectors without adequate review. Please clarify your response to address these concerns.
- NON 99900100/2012-201-05 stated that Flowserve failed to establish a program to maintain proficiency for test personnel and maintain sufficient records to demonstrate maintenance of qualification. However, your response failed to state if Flowserve conducted and documented up-to-dated training of the specific test personnel noted in

this nonconformance and any other test personnel. Please clarify your response to address these concerns.

In accordance with Title 10 of the Code of Federal Regulation (10 CFR) 2.390 "Public Inspections, Exemptions, Requests for Withholding," of the NRC's "Rules of Practice," a copy of this letter, its enclosure(s), and your response will be made available electronically for public inspection in the NRC Public Document Room or from the NRC's Agencywide Documents Access and Management System, accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>. To the extent possible, your response should not include any personal privacy, proprietary, or safeguards information so that it can be made available to the Public without redaction. If personal privacy or proprietary information is necessary to provide an acceptable response, then please provide a bracketed copy of your response that identifies the information that should be protected and a redacted copy of your response that deletes such information. If you request that such material is withheld from public disclosure, you must specifically identify the portions of your response that you seek to have withheld and provide in detail the bases for your claim (e.g., explain why the disclosure of information will create an unwarranted invasion of personal privacy or provide the information required by 10 CFR 2.390(b) to support a request for withholding confidential commercial or financial information). If safeguards information is necessary to provide an acceptable response, please provide the level of protection described in 10 CFR 73.21 "Protection of Safeguards Information: Performance Requirements."

Please contact Mr. Stacy Smith via electronic mail at stacy.smith@nrc.gov, if you have any questions or need assistance regarding this matter.

Sincerely,

/RA/

Richard A. Rasmussen, Chief
Electrical Vendor Branch
Division of Construction Inspection
and Operational Programs
Office of New Reactors

Docket No.: 99900100

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Richard A. Rasmussen, Chief
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Docket No.: 99900100

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