



David Tuttle
Quality Assurance Manager
PENTAIR VALVES & CONTROLS
508-594-4430 (direct)
508-594-4249 (fax)
David.Tuttle@Pentair.com
Mansfield, MA 02048
www.pentair.com

August 27, 2014

VIA REGULAR MAIL:
U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555-0001

VIA OVERNIGHT DELIVERY:
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852-2746

Subject: Close Out to Interim Report- 10CFR 21 Evaluation Regarding Potential Deficiencies in Seismic Qualifications for PV-62

Reference Pentair Interim Report 20140615.

The purpose of this letter is to close out to the NRC in regards to the subject line and the requirements of 10CFR 21 Part 21.21 (a)(2).

This report is a result of NRC Inspection Report No. 99901431/2013-201 dated 20 August 2013 and Pentair Corrective Action Report (CAR 673). In general CAR 673 determined that required seismic testing was improperly performed and delivered to the customer. The subject valve (PV-62) of CAR 673 was returned to Pentair and successfully retested. The customer did not have an active reactor.

The original attached report was to inform the NRC of the potential 10CFR 21 evaluation. Pentair Valves and Controls US LP, dba Anderson Greenwood Crosby notified the NRC of this potential and the affected licensees of the results of the 10CFR 21 evaluation.

The purpose of this letter is to close out the status of the evaluations for the identified customers and product from the previous report and follow on actions. Required information as per 10CFR Part 21.21 (d)(4) follows:

- (i) Name and Address of the individual or individuals informing the Commission:

David Tuttle
Quality Assurance Manager
Pentair Valves and Controls US LP, dba Anderson Greenwood Crosby

1
IE20
NRO



55 Cabot Blvd
Mansfield, MA 02048

- (ii) Identification of the facility, the activity, or basic component supplied for such facility or such activity within the United States which fails to comply or contains a defect.

Pentair previously identified 93 test reports that have potential deficiencies in the seismic requirements. We have identified 93 assemblies, from the 93 test reports, and we have completed the process of identifying the potential additional affected valve assemblies.

The following valves have been evaluated and determined to not be a Part 21 reportable issue and are considered to be closed. Pentair Engineering has determined that all requirements have been met and none of the delivered product are of indeterminate quality.

N98342-00-0001 through -0009 (Hanjung- Shin Ulchin 5&6)
N900008-00-0001 through -0008 (Doosan – Shin Kori 1&2)
N900010-00-0001 through -0008(Doosan – Shin Wolson 1&2)

- (iii) Identification of the firm constructing the facility or supplying the basic component which fails to comply or contains a defect.

Pentair Valves and Controls US LP, dba Anderson Greenwood Crosby
Mansfield Operations
55 Cabot Blvd
Mansfield, MA 02048

- (iv) Nature of the defect or failure to comply and the safety hazard which is created or could be created by such defect or failure to comply.

In evaluating Pentair Correction Action Report (CAR 673) an extent of conditions required an evaluation of all test reports that required a static seismic load test in the least rigid axis.

The testing of valves in the incorrect axis has the potential for indeterminate functionality of the valves during a seismic event.

Pentair Mansfield has completed the review of the total population and has found no deficiencies.

- (v) The date on which the information of such defect or failure to comply was obtained.

20 August 2013



(vi) In the case of a basic component which contains a defect or fails to comply, the number and location of these components in use at, supplied for, being supplied for, or may be supplied for, manufactured or being manufactured for one or more facilities or activities subject to the regulations in this Part.

Pentair has identified all affected valves. See section (ii)

(vii) The corrective action which has been, is being, or will be taken; the name of the individual or organization responsible for the action and the length of time that has been or will be taken to complete the action.

Pentair Mansfield has completed the investigation and has found no valves to be deficient.

(viii) Any advice related to the defect or failure to comply about the facility, activity, or basic component that has been, is being, or will be given to purchasers or licensees.

None at this time.

(ix) In the case of an early site permit, the entities to whom an early site permit was transferred.

Not applicable.

If you have any questions or wish to discuss this matter or this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "D. E. Tuttle".

David Tuttle
Quality Assurance Manager

A handwritten signature in black ink, appearing to read "Michael J. Rider".

Michael J. Rider
Engineering Manager