



Fax Cover Sheet

To:
Fax Number: 3018165151
Subject: Interim Letter to NRC

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Fax#: 855-305-6216

Date: 10/27/23 05:56:02 PM

Total Pages: 3 including this cover page

Memo:

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October 27, 2023

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

Subject: Interim Report of a Deviation Associated with P/N D2060S Potentiometer

This is to notify the US Nuclear Regulatory Commission that, in accordance with the provisions of 10CFR21.21 (a)(2), Enertech has identified a potential issue and submitting this interim report.

Description:

On August 30, 2023, Enertech determined about a potential defect for Potentiometer (P/N D2060S) based on the inspection of returned items from KH&NP, Korea. A certain number of returned potentiometers exhibited inconsistent resistance values at positions (stroke). The subject potentiometers are used in Modulating Actuators.

Evaluation:

Initial testing of the potentiometers, following the Factory Acceptance Test Procedure did not detect this inconsistency. However, upon conducting additional testing per engineering instructions, the issue became evident. Subsequently, the items were sent to the original equipment manufacturer for further evaluation. The OEM's initial inspection, and testing confirmed the inconsistency. Their initial investigation identified a possible cause as a change in an internal part, specifically the wiper. The new, shorter wiper introduced the possibility of intermittent separation between the wiper (sliding contact) and the coil of wire at certain positions (stroke), resulting in momentary signal interruptions.

The evaluation at Enertech also is ongoing regarding the potential effects of wiper separation on the functionality of the Modulating Actuator and will not be completed within 60 days period. The expected date of completion is 12/20/2023.

Potential Affected Plants:

South Texas Project, STP Nuclear

Customer POs: 171852, 224528, 212719, and 275280

Reference: Modulating Actuators, PF89270

If you have any questions regarding this issue, please contact me at your convenience via email at lanaya@curtisswright.com or by phone at 714-982-1856.

Respectfully submitted,

Loretta Anaya
Quality Assurance Manager, Enertech
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