

Hoc, HOO X

From: Richard Knott <RKnott@ParagonES.com>
Sent: Wednesday, January 28, 2026 17:01
To: Hoc, HOO X
Cc: Douglas VanTassell; Kenny Morrison
Subject: [External_Sender] 10CFR Part 21 Initial Notification
Attachments: ATT00001.txt; P21-01282026-IN Rev 0 NRC Initial Notification (002).pdf

Good afternoon,

Please see attached initial report provided per 10CFR Part 21 section 21.21(d)(3)(i).

I confirm that no proprietary, legally privileged, and/or confidential information is included in the attached notification.

Please contact me if you have any questions or concerns.

Best Regards,
Richard

Richard Knott
Vice President, Quality Assurance
(518)450-9706 (C) | www.ParagonES.com



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Date: 1/28/2026

To: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555

10CFR Part 21 Initial Notification: P21-01282026, Rev. 0

Subject: Defect with Schneider Electric Actuator Part Number MA-418-0-0-4

Paragon has identified a defect in the subject motor actuator supplied as identified below.

Plant	Client PO#	Item ID#	Paragon Project #	Serial #	QTY
TVA Watts Bar	3026710	BRK393H	1701330	AN-1721B3363, 3365, 3366, 4563, 4567, 4568, 4573, 4583, 5711, 5713, 5723, 5726, 5734, 5735, 5736, 5754, 5756, 5758	18
	1738505		16T0380	AN-1608B1001, 1014	2
	2493574		1600442	AN-1641B5767, 5778 AN-1631B3136, 3205, 3208, 3209, 3213, 3215, 3216, 3223, 3225, 3226, 3227, 3226	14
	3587300		1800286	AN-1802B2208, 2217, 2212, 2213, 2243, 3256, 3301, 3307	8
	6771607		21000499	AN-2104B2583, 2584, 2585, AN-2101B2705	4
	7047799		21001224	Paragon SN 00923-01-00001 thru 00004	4
	7719737		25000164	Paragon SN 033376-01-00001 thru 00016	16

Pursuant to 10CFR Part 21 § 21.21(d)(3)(i) Paragon is providing initial notification of a defect associated with the Schneider Electric Actuator as supplied in the table above. Similar actuators manufactured by Barber Coleman prior to Schneider Electric acquiring this product line are not in scope. TVA experienced binding in several actuators used to operate dampers associated with Emergency Diesel Generator Room Ventilation. Paragon conducted detailed failure analysis which identified precipitate particles (boron and potassium) from the lubricating oil can collect in the space between the small motor rotor and stator thus preventing rotation of the shaft connected to the damper actuating linkage. To date, Paragon has only confirmed this failure mode on some of the actuators (date code AN-1721 - 21st week of 2017) but based on the discovery, there is potential that additional actuator motors supplied in the table above may be affected. This condition, if left uncorrected, could contribute to a safety hazard and is reportable in accordance with 10CFR Part 21.

Date of Discovery: January 23, 2026

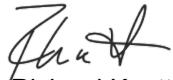
Reportability Determined: January 26, 2026

Paragon has entered this condition in our corrective action program and is working with TVA to define the extent of condition. Paragon is working with the OEM to gather additional information to determine if similar failures of these actuators have been reported from other sources. Paragon also reviewed extensive industry operating

Paragon Energy Solutions, LLC
7410 Pebble Drive • Fort Worth, Texas • 76118
817-284-0077 • Fax 817-590-0484

experience with these damper motor actuators recorded since the early 1990s and did not identify any failures attributed to breakdown of the internal lubricating oil. Paragon recommends Watts Bar segregate any spare actuators from the lots above and monitor in service MA-418 actuator motors from different lots supplied for similar issues. Report any deficiencies to Paragon for evaluation.

Sincerely,



Richard Knott

Vice President Quality Assurance
Paragon Energy Solutions, LLC.