

Part 21 (PAR)

Event # 50623

Rep Org: TECHNOLOGY FOR ENERGY CORP.	Notification Date / Time: 11/18/2014 15:09 (EST)
Supplier: TECHNOLOGY FOR ENERGY CORP.	Event Date / Time: 11/18/2014 (EST)
	Last Modification: 11/24/2014
Region: 1	Docket #:
City: KNOXVILLE	Agreement State: Yes
County:	License #:
State: TN	
NRC Notified by: DONNA MULLALY	Notifications: TODD JACKSON R1DO
HQ Ops Officer: DANIEL MILLS	FRANK EHRHARDT R2DO
Emergency Class: NON EMERGENCY	HIRONORI PETERSON R3DO
10 CFR Section:	BOB HAGAR R4DO
21.21(d)(3)(i) DEFECTS AND NONCOMPLIANCE	PART 21 GROUP EMAIL

PART 21 - LACK OF PROPER POWER SUPPLY INDICATION

The following information was summarized from the report obtained from the vendor via facsimile:

Technology for Energy Corporation [TEC] has determined that the Model 1414 Valve Flow Monitoring Systems power supply may not provide proper output voltage contrary to power supply status indicators on the rack. This may result in the power supply not providing necessary power to its associated input sensor. A subsequent loss of the sensor output would result in the inability of the system to indicate any valve flow. Depending on the specific configuration, signals from more than one sensor could be lost on a single failure.

This Model 1414 system design dates back to 1979. TEC has not been made aware of any instances of the described failure mode in the 35 year history of the product design, suggesting that the robustness of power supply design and the users periodic maintenance of the system has provided for acceptable continued operation.

The potentially affected plants include Clinton Unit 1; Comanche Peak Units 1 & 2; Nine Mile Point Unit 2; Palo Verde Units 1, 2, & 3; River Bend Unit 1; Susquehanna Units 1 & 2; Watts Bar Units 1 & 2.

*** UPDATED FROM DONNA MULLALY TO DONALD NORWOOD AT 1329 EST ON 11/24/2014 ***

After submitting the original Part 21 notification, TEC discovered that Columbia Generating Station had been omitted from the list of affected plants.

"The following correction should be applied: The potentially affected plants include Clinton Unit 1; Columbia Generating Station, Comanche Peak Units 1 & 2; Nine Mile Point Unit 2; Palo Verde Units 1, 2, & 3; River Bend

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Unit 1; Susquehanna Units 1 & 2; and Watts Bar Units 1 & 2."

Notified R4DO (Campbell). Notified via E-mail R1DO (Noggle), R2DO (Ehrhardt), R3DO (Duncan) and Part 21 , Group.



November 24, 2014

NRC Operations Center
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Correction to Recent Notification of Possible Substantial Safety Hazard

Gentlemen:

By letter faxed on November 18, 2014, TEC reported a possible "Substantial Safety Hazard" in accordance with the requirements of 10CFR Part 21. Event Notification Report 50623 "PART 21 - LACK OF PROPER POWER SUPPLY INDICATION", posted on November 19, 2014, identified potentially affected plants. While preparing notification letters for the users, we have identified that Columbia Generating Station was omitted from our original list.

The following correction should be applied:

The potentially affected plants include Clinton Unit 1; Columbia Generating Station, Comanche Peak Units 1 & 2; Nine Mile Point Unit 2; Palo Verde Units 1, 2, & 3; River Bend Unit 1; Susquehanna Units 1 & 2; Watts Bar Units 1 & 2.

If any additional information is required, please contact the undersigned at (865)-966-5856.

Sincerely,

A handwritten signature in black ink that reads 'Donna J. Mullaly'. The signature is written in a cursive, flowing style.

Donna J. Mullaly
Vice President, Nuclear Division
Technology for Energy Corporation
10737 Lexington Drive
Knoxville, TN 37932

Cc: William Simpkins, President & CEO
Scott Whited, Quality Manager