

Part 21 (PAR)

Event # 52216

Rep Org: ENERSYS Supplier: ENERSYS	Notification Date / Time: 09/01/2016 14:51 (EDT) Event Date / Time: 09/01/2016 (EDT) Last Modification: 09/02/2016
Region: 1 City: READING County: State: PA	Docket #: Agreement State: Yes License #:
NRC Notified by: WILLIAM ROSS HQ Ops Officer: STEVEN VITTO Emergency Class: NON EMERGENCY 10 CFR Section: 21.21(a)(2) INTERIM EVAL OF DEVIATION	Notifications: RAY POWELL R1DO JONATHAN BARTLEY R2DO BILLY DICKSON R3DO GREG WARNICK R4DO PART 21/50.55 REACTORS EMAIL

PART 21 - POTENTIAL FAILURE OF BATTERY SYSTEM CONNECTIONS

"This letter will serve as notification from EnerSys to the United States Nuclear Regulatory Commission of an identified deviation in published literature information. The literature defines requirements for resistance in both cell to cell and cell to terminal connections in supplied battery systems. High connection resistance causes increased cell voltage drop and a potential failure to meet run time requirements.

"Internal investigation by EnerSys confirms that no defects exist in systems tested before shipment to customer utilities as internal documented procedures define correct parameters. However, the potential of less than desired performance exists if the values noted in the literature are used during installation and test at utility sites.

"EnerSys does not have the ability to evaluate if a defect exists at customer utilities so per the provisions of Part 21, notification is being made to both the Commission and affected EnerSys customers."

POC: 800-538-3627 ext. 1974

* * * UPDATE FROM WILLIAM ROSS TO STEVEN VITTO AT 1339 EDT on 09/02/2016 * * *

"The literature in question is the EnerSys Safety, Storage, Installation, Operation and Maintenance Manual for Flooded Lead-Acid Batteries C, D, E, F and G, number US-FL-IOM-002 dated January 2007. The errors are located in Section 7.4.3.8c line 2. The current wording of '... connection is more than 30 percent or 5 Mohms above the average...' should read 'connection is more than 10 percent or 5 micro-ohms, whichever is greater, above the average'."

ZE19
NRR

Licensees affected are Dominion North Anna, Dominion Surry Nuclear Power Plant, Energy Northwest Columbia Generating Station, Entergy Nuclear Operations IP2, First Energy Beaver Valley NPP, NextEra Energy Point Beach Nuclear Plant, Perry Nuclear Power Plant, and San Onofre Nuclear Generating Station.

Notified R1DO(Powell), R2DO (Bartley), R3DO (Dickson), R4DO (Warnick), and Part 21Group via email.



EnerSys
P.O. Box 14145
Reading, PA 19612

FAX

TO: U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555-001
FAX No.: 301-816-5151
FROM: EnerSys
DATE: September 2, 2016
RE: Notification Follow-up

As a follow-up from the letter of notification from EnerSys dated August 31, 2016, attached please find a list of affected customers that will be notified and a copy of the letter for your information.

List of GN customers for Part 21 Customer Notification Letter

Customer Entity	Ship to Street Address	City, State ZIP
Brookhaven National Labs	Brookhaven National Labs	Upton, NY 11973-5000
Dominion North Anna	1022 Haley Dr	Mineral, VA 23117
Dominion Surry Nuclear Power Plant	5570 Hog Island Road	Surry, VA 23883
Edison Material Supply	14300 S. Mesa Road	San Clemente, CA 92672
Energy Northwest Columbia Generating Station	76 North Power Plant Loop	Richland, WA 99354
EnerSys De Mexico II S de RL de CV	Ave Lopez Mateos 4210 Col. Casa Blanca	San Nicolas De Los Garza, NL 66475 Mexico
EnerSys Hungary Ltd.	H-2040 Budaors	Gyar utca 2
Entergy Nuclear Operations IP2	450 Broadway	Buchanan, NY 10511
First Energy Beaver Valley NPP	Route 168	Shippingport, PA 15077
NextEra Energy Point Beach Nuclear Plant	6590 Nuclear Road	Two Rivers, WI 54241
Perry Nuclear Power Plant	10 Center Road	Perry, OH 44081
San Onofre Nuclear Generating Station	14300 S. Mesa Road	San Clemente, CA 92672
State Nuclear Power Engineering Corp. Ltd.	Building 2, Tianlin Road 888	200233 Shanghai, PRC
Westinghouse Electric Company	1000 Westinghouse Drive, Build 6, Suite 653	Cranberry Township, PA 16066



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800-538-3627 x 1974
Fax 610-208-1971
email: bill.ross@enersys.com
www.enersys.com

William R. Ross
EAS Systems Manager

August 31, 2016

Customer name
Customer address

Dear Purchasing Manager,

This letter will serve as notification from EnerSys of an identified deviation in published literature information. The literature defines requirements for resistance in both cell to cell and cell to terminal connections in supplied battery systems. High connection resistance causes increased cell voltage drop and potentially failure to meet run time requirements.

The literature in question is the EnerSys Safety, Storage, Installation, Operation and Maintenance Manual for Flooded Lead-Acid Batteries C, D, E, F and G, number US-FL-IOM-002 dated January 2007. The errors are located in Section 7.4.3.8c line 2. The current wording of "...connection is more than 30% or 5 Mohms above the average..." should read "connection is more than 10% or 5 micro-ohms, whichever is greater, above the average".

Internal investigation by EnerSys indicates that no defects exist in systems tested before shipment to customer utilities as internal documented procedures define correct parameters. However, the potential of less than desired performance exists if the values noted in the literature are used during installation and test at utility sites.

EnerSys does not have the ability to evaluate if a defect exists at customer utilities so per the provisions of Part 21, notification is being made to potentially affected EnerSys customers.

Please contact me with questions.

Regards,

William Ross

William Ross

Cc: B. Furr, J. Lewis, J. Reber, S. Vechy, QA file