VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

April 21, 2014

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Serial No. 14-195
NAPS/JHL
Docket Nos. 50-338
50-339
License Nos. NPF-4
NPF-7

VIRGINIA ELECTRIC AND POWER COMPANY (DOMINION)
NORTH ANNA POWER STATION UNITS 1 AND 2
INTERIM PART 21 NOTIFICATION REPORT

Pursuant to 10 CFR 21.21(a)(2), Dominion is providing the required 60-day interim report for identification of a defect. During pre-installation bench testing of a Basler Motor Operated Control (Potentiometer) it was determined that the potentiometer was not functioning properly. The attachment to this letter provides the information requested by 10 CFR 21.21(a)(2).

This letter does not establish any new commitments. Should you have any questions or require additional information, please contact Mr. Thomas Shaub at (804) 273-2763.

Very truly yours,

Mark D. Sartain
Vice President - Nuclear Engineering

Commitments made in this letter: Expected Final Part 21 Submittal Date: June 30, 2014

Attachment

IE19
NRR

cc: Regional Administrator
U.S. Nuclear Regulatory Commission, Region II
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245 Peachtree Center Ave., NE
Suite 1200
Atlanta, Georgia 30303-1257

NRC Senior Resident Inspector
North Anna Power Station

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NRC Project Manager – North Anna
U. S. Nuclear Regulatory Commission
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Ms. M. C. Barillas
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Rockville, Maryland 20852-2738

Mr. J. E. Reasor
Old Dominion Electric Cooperative
Innsbrook Corporate Center, Suite 300
4201 Dominion Blvd.
Glen Allen, Virginia 23060

Attachment

Interim Part 21 Notification

Basler Motor Operated Control (Potentiometer)

Responsible Officer: Mark D. Sartain, Vice President – Nuclear Engineering
5000 Dominion Blvd.
Glen Allen, Virginia 23060

Event Date: February 21, 2014
Unit Name: North Anna Power Station

Component Information (as applicable):
Manufacturer: Basler Motor Operated Control (Potentiometer)
Part Number: Part No. 9072300102

Description: During return to service testing of an Emergency Diesel Generator (EDG) following preplanned maintenance, manual voltage control was determined to be inoperable and the EDG was subsequently secured. Troubleshooting identified a failed Motor Operated Control (Potentiometer) also referred to as an MP unit. The cause of the failure of the installed MP unit was determined to be a result of the maintenance activities during the recent outage for the EDG. The failed unit was removed from service and a new MP unit was obtained from stock. The new MP unit failed to operate properly during pre-installation bench testing (operated correctly and then locked up). A second new MP unit was obtained from stock, successfully bench tested, installed, and the EDG was returned to service.

The failed MP unit obtained from stock was a Basler Motor Operated Control (Potentiometer), Model No. MOC2013 and Part No. 9072300102. The function of the MP unit is to allow for manual control of voltage by the control room operator when aligning the EDG in the parallel mode of operation. This is considered a course adjustment controller as compared to the fine adjustment of the voltage regulator or Automatic Voltage Regulator (AVR). The system is also configured with a back up or redundant manual control Motor Operated Controller (auto-transformer) also referred to as the MOT.

Causes: The cause of the MP unit failure that was obtained from stock is unknown.

Immediate Corrective Actions: Material Number 42109345 (quantity 1) has been put in restricted stock.

The MP unit that failed bench testing was returned to the vendor for analysis and cause determination.

The following MP units have been issued from stock:

Work Order Number	Issued	Quantity
59079061601	05/12/08	1
59079061501	04/30/08	1
59079050301	03/20/08	1
59079050401	06/13/08	1
59102702868	02/21/14	2 (this is the batch where one failed)

Expected Final Part 21 Submittal Date: June 30, 2014