

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

August 29, 1988

D. S. CRUDEN
VICE PRESIDENT-NUCLEAR

United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D. C. 20555

Serial No. 88-575
NAPS/DEQ/deq
Docket No. 50-338
License No. NPF-4

Gentlemen,

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION UNIT 1
KAMAN PROCESS VENT RADIATION MONITOR
RI-VG-179

At 2330 hours on August 13, 1988, with Units 1 and 2 at 100 percent power (Mode 1), the Kaman Vent Stack "A" Radiation Monitor, RI-VG-179, (EIS System Identifier WE, Component Identifier MON) was declared inoperable. The radiation monitor was declared inoperable because the parameters being monitored were being spontaneously reset to the default values and the central processing unit (CPU) would not operate. Two additional radiation monitors in the same release path were indicating normal radiation levels during this period. Action Statement 35 of Technical Specification 3.3.3.1 requires that the radiation monitor be returned to operable status within 72 hours or initiate the alternate method of monitoring and prepare a Special Report. Since this action statement expired at 2330 hours on August 16, 1988, with the radiation monitor still inoperable, this event is reportable pursuant to Technical Specification 6.9.2.

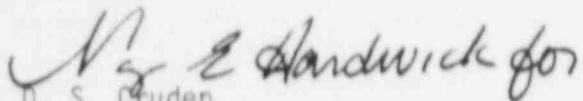
Investigation into the cause for the inoperable radiation monitor revealed that the CPU board had malfunctioned. A new CPU board has been ordered and is expected to be received by October 9, 1988. At that time, the new CPU board will be installed in RI-VG-179, functionally tested, and if satisfactory results are obtained, RI-VG-179 will be returned to service. This Special Report will be updated if additional problems delay returning RI-VG-179 to service after the new CPU board has been installed.

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This event posed no significant safety implications because the Westinghouse Vent Stack "A" Radiation Monitors, which provide high radiation indication to the Control Room via a strip chart recorder, common alarm, alarm lights, and gaseous and particulate meters, remained operable throughout this event. Additionally, the Nuclear Research Corporation Radiation Monitors continued to operate throughout this event as the Technical Specification required preplanned alternate monitoring method on the "A" Vent Stack.

Very truly yours,


D. S. Cruden

cc: U.S. Nuclear Regulatory Commission
101 Marietta Street, N. W.
Suite 2900
Atlanta, Georgia 30323

Mr. J. L. Caldwell
NRC Resident Inspector
North Anna Power Station

KAMAN RADIATION MONITOR RI-GW-179
EXCEEDED T.S. ACTION STATEMENT

I. VERIFICATION OF ACCURACY

1. Deviation Report 88-649
2. Conversation with John Patterson on 8/22/88
3. Conversation with Gary Jewett on 8/23/88
4. Action Statement for RI-GW-179 entered at 2330 hrs on 8/10/88

II. ACTION PLAN

1. The Instrument Department should be assigned to notify M. L. Bowling when RI-VG-179 has been returned to service. If any additional problems were encountered after the new CPU board was installed which caused a delay in returning RI-VG-179 to service this should be mentioned. This notification is necessary because we committed to update the Special Report if additional problems delayed returning RI-VG-179 to service after the new CPU board had been installed. A due date of October 15, 1988 should be adequate.
2. The Special Report will be updated by the Licensing Department if RI-VG-179 is delayed in being returned to service due to additional problems encountered after the new CPU board is installed.
3. As a result of the Special Report submitted on August 17, 1988 on RI-GW-178, Technical Services has been assigned to evaluate a change to Table 3.3-6 of Technical Specification 3.3.3.1. A due date of 11/15/88 was requested.