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VIRGINIA ELECTRIC AND POWER COMPANY, RICHMOND, VIRGINIA 23261

November 21, 1979

Mr. James P. O'Reilly, Director
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Serial No. 964
PSE&C/GLP:mac:wang

Docket No. 50-339

Dear Mr. O'Reilly:

On November 16, 1979, a report was made under the provisions of 10CFR50.55(e) concerning Containment Depressurization Actuation (CDA) and Safety Injection (SI) Actuation Circuitry.

In accordance with the reporting requirements of 10CFR21, the following information is submitted:

A. Name and address of reporting individual:

Mr. E. A. Baum, Executive Manager
Licensing and Quality Assurance
Virginia Electric and Power Company
P. O. Box 26666
Richmond, Virginia 23261

B. Facility, activity and/or component affected:

North Anna Power Station, Unit 2
Miscellaneous Devices Affected by CDA or SI Signals

C. Name of firm constructing the facility or supplying the component, activity or service:

Stone & Webster Engineering Corporation
P. O. Box 2325
Boston, Massachusetts 02107

D. Description of defect, deficiency, or failure to comply:

The following areas do not comply with IEEE 279-1971 Section 4.16:

1. A resetting of the CDA (Containment Depressurization Actuation) signal prior to expiration of the time delay relays will prohibit the start of the following pumps:

a. Recirculation Spray Pumps 2-RS-P-1A, 1B, 2A & 2B (195 Sec & 210 Sec) (ESK 5AW, 5AX, 65 & 67).

b. SW Rad. Mon. Sample Pumps 2-SW-P-5, 6, 7, & 8 (120 Sec) (ESK-6JP).

The following areas do not comply with the response to comment 7.4 in the FSAR:

1. A resetting of the CDA signal and a subsequent loss of offsite power results in non-automatic restart of the following pumps on restoration of site emergency power:

   a. Recirculation Spray Pumps 2-RS-P-1A, 1B, 2A & 2B
   b. Recirc. Spray Casing Cooling Pumps 2-RS-P-3A & 3B (ESK-6JAE)
   c. Quench Spray Pumps 2-QS-P-1A & 1B (ESK-6K&L)

2. On resetting of the CDA or SI signal, the following devices return to their non-emergency mode without a second operator action on the device control circuit:

   a. Service Water Valves to Cont. Recirc. Air Coolers

      MOV-SW 210 A & B (ESK-6DD)
      MOV-SW 214 A & B (ESK-6DG)
      SOV-SW 201A - 1 & 2 (ESK-6QE)
      SOV-SW 201B - 1 & 2

   b. Main Control Room Supply & Exhaust Air Op. Dampers

      SOV-HV-160-1 & 2 (ESK-6PW)
      SOV-HV-161-1 & 2

   c. Charcoal Filter Air Op. Dampers

      SOV-HV-115 A2 (ESK-6PU)
      SOV-HV-115 B2
      SOV-HV-228-1 & 2 (ESK-6PA)

   d. Cont. Recirc. Fans 2-HV-F 1A & 1B

      (ESK-6B & C)

   e. Cont. Rod Drive Cooling Fans

      2-HV-37A, B, C, D, E, & F (ESK-6KZ)

E. Date of determination of reportability:

November 16, 1979

F. Similar components, activities, or services:

North Anna Power Station, Unit 1

G. Corrective action which has been, is being or will be taken, the individual responsible and the length of time to complete the action:

The aforementioned safety circuits are being redesigned to be in compliance with the commitments in the FSAR.

H. Other information:

None

Any information not available at this time will be submitted in a follow-up letter as a 30-day report.

Should you require further information, please contact this office.

Very truly yours,

Sam C. Brown, Jr.
Senior Vice President - Power Station
Engineering and Construction

cc: Director, Office of Inspection
and Enforcement (3)

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