VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

April 14, 1978

Mr. Edson G. Case, Acting Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Serial No. 614A/121577
PO&M/DLB:das
Docket Nos. 50-280
50-281
License Nos. DPR-32
DPR-37

Dear Sir:

In response to your request of December 15, 1977, completed questionnaires on Standby Diesel Generators were forwarded in our letter of January 23, 1978. Two completed questionnaires were forwarded; one for Surry Unit Nos. 1 and 2 and one for North Anna Unit No. 1. In the questionnaire for Surry Unit Nos. 1 and 2, seven items were not filled in due to unavailability of data. The missing information has been obtained and is included in the attachment to this letter.

Very truly yours,

C. M. Stallings
Vice President - Power Supply
and Production Operations

Attachment

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Attachment

QUESTIONNAIRE FOR NUCLEAR REGULATORY COMMISSION RELIABILITY STUDY OF STANDBY DIESEL GENERATOR UNITS SURRY POWER STATION UNIT NOS. 1 AND 2

The following information was not available at the time of our January 23, 1978 submittal. Item numbers used are from the original questionnaire.

Item B.2 (p2): "Minimum air tank pressure for cranking: 90 psig

Item B.2 (p3): "What is air pressure drop from air tank to engine during cranking?" 28 psi

Item B.2 (p4): "What is the time required to recharge one air tank?" 35 minutes from 50 psig to 210 psig.

NOTE: Where questionnaire refers to air "tank" we have interpreted this to mean "bank". Each engine has two independent "banks" consisting of three "tanks".

Item D.4a (p7): "Normal operating (oil) pressure: 75 psi.

Item L.3.a (p14): "Equilibrium (lube oil pressure): 75 psi.

Item O.3.a.b (p17): "...maximum speed surge when starting;" 965 rpm.

NOTE: Frequency meter is not functional on starting and tachometer is not normally observed during start. The figure reported is the result of observation of one start.

Item Q.5 (p18): Inside switch gear hottest (Temperature): 85°F with ambient temperature 72.

NOTE: Switchgear, voltage regulator and exciter are in the same cabinet.