

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

W. L. STEWART
VICE PRESIDENT
NUCLEAR OPERATIONS

November 1, 1983

Mr. James P. O'Reilly
Regional Administrator
Region II
U. S. Nuclear Regulatory Commission
101 Marietta Street, Suite 2900
Atlanta, Georgia 30303

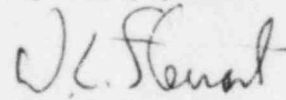
Serial No: 618
NO/WDC:acm
Docket Nos. 50-280
50-281
License Nos. DPR-32
DPR-37

Dear Mr. O'Reilly:

RESPONSE TO ITEM 4 of IEB 82-02
SURRY POWER STATION

Enclosed is the Virginia Electric and Power Company response to Item 4 of IE Bulletin No. 82-02 (Degradation of Threaded Fasteners in the Reactor Coolant Pressure Boundary of PWR Plants) for Surry Power Station Unit Nos. 1 and 2. Pursuant to Section 182a, Atomic Energy Act of 1954 as amended, the information contained in the attached pages is true and accurate to the best of my knowledge and belief.

Very truly yours,


W. L. Stewart


Enclosure

cc: Mr. S. A. Varga, Chief
Operating Reactors Branch No. 1
Division of Licensing

Mr. D. J. Burke
NRC Resident Inspector
Surry Power Station

8312050147 831101
PDR ADDCK 05000280
G PDR

JK



RESULTS OF THREADED FASTENER INSPECTION
UNIT 1

<u>BOLTING MATERIAL</u>	<u>EXAMINATION METHOD</u>	<u>INSPECTION RESULTS</u>
1. Reactor Vessel		
Closure Head Studs (1-10) (removed)	VT, MT, UT	NRI
Closure Head Nuts (1-10) (removed)	VT	NRI
Closure Head Washers (1-10) (removed)	VT	NRI
2. Reactor Coolant Pump I	VT, UT, MT	NRI
No. 1 Seal Housing Bolting (1-12) (removed)		
3. Reactor Coolant Pump II	VT, UT, MT	NRI
No. 1 Seal Housing Bolting (1-12) (removed)		
4. Reactor Coolant Pump I and II	VT, UT, MT	NRI on UT & MT 13 out of 48 had visual indications.
Main Flange Bolting (1-24) and (removed) (1-24)		Three bolts were rejected from use due to structural damage by corrosion. Other bolts were evaluated accept- able for service.
5. Reactor Coolant Pump III	VT, UT, MT	NRI
No. 1 Seal Housing Bolting (1-12) (removed)		
6. Tc MOV		
MOV-1591 (1-12) (in place)	VT, UT	NRI

<u>BOLTING MATERIAL</u>	<u>EXAMINATION METHOD</u>	<u>INSPECTION RESULTS</u>
7. HCV-1557A (1-6) (removed)	VT, UT	NRI
8. S/G Manway Bolts S/G A, B, C (in place)	UT	NRI Bolts were damaged upon removal. 26 new bolts were installed. All bolts were inspected.

VT - Visual Examination

UT - Ultrasonic Examination

MT - Magnetic Particle

NRI - Non-reportable indication

RESULTS OF THREADED FASTENER INSPECTION
UNIT 2

<u>BOLTING MATERIAL</u>	<u>EXAMINATION METHOD</u>	<u>INSPECTION RESULTS</u>
1. Reactor Vessel	MT	Two with denting. Evaluation required the repair of only one stud.
Closure Head Studs (16, 26, 22, (removed) 24-27, 51)		
(21-30, 16, 51)	UT	NRI
(1-50)	VT	NRI
Closure Head Washer (1-50) (removed)	VT	NRI One reportable indication. It was evaluated and returned to service.
Closure Head Nuts (1-50) (removed)	VT	NRI
2. Reactor Coolant Pump III		
Main Flange Bolting (1-24) (removed)	MT, UT, VT	Visual marks on 16 bolts. Evaluated and replaced as required.
No. 1 Seal Housing Bolting (1-12) (removed)	MT, UT, VT	Three bolts with Corosion. Evaluated and replaced as required.
3. Reactor Coolant Pump I		
No. 1 Seal Housing Bolting (1-12) (removed)	MT, UT, VT	Scratches one bolt evaluated and replaced as required.
4. Reactor Coolant Pump II		
Main Flange Bolting (1-24) (removed)	MT, UT, VT	NRI

BOLTING MATERIAL

EXAMINATION
METHOD

INSPECTION
RESULTS

5. Pressurizer Safety Relief Valve

SV-2551A

VT

Valves removed for
maintenance and
installed with new
studs. NRI

SV-2551B

VT

SV-2551C

VT

(removed)

No. 1 Seal Housing Bolting (1-12)

(removed)

VT - Visual Examination

UT - Ultrasonic Examination

MT - Magnetic Particle

NRI - Non-reportable indication