

Report Number: 79-49/01T
Report Date: 7/24/79
Occurrence Date: 7/10/79
Facility: Salem Generating Station
Public Service Electric & Gas Company
Hancocks Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Pipe Support Concrete Anchors Embedment Deficiencies

CONDITIONS PRIOR TO OCCURRENCE:

Operational Mode 5

DESCRIPTION OF OCCURRENCE:

An inspection of concrete anchors used in installed pipe supports without baseplates is currently in progress on Salem Unit No. 1. This inspection utilizes ultrasonic testing for embedment of individual bolts and test loading of selected supports using hydraulic equipment to develop test loads which are a function of the design load. Areas inspected include north and south penetration areas, containment and the auxiliary building. To date, 9% of the anchors tested require replacement.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE:

The inspection results are being evaluated to determine the cause and safety significance of this problem.

ANALYSIS OF OCCURRENCE:

An analysis will be submitted when evaluation of the test results is completed.

CORRECTIVE ACTION:

Design Change IEC-593 has been initiated to provide the corrective action to be taken as problem areas are identified.

FAILURE DATA:

None

Prepared by A. W. Kapple
SORC Meeting No. 57-79

H. J. Williams
Manager - Salem Generating Station

7907310 372 5

LICENSEE EVENT REPORT

CONTROL BLOCK: (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 | NJ | S | G | S | 1 | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 5

CON'T 01 | L | 6 | 0 | 5 | 0 | 0 | 0 | 2 | 7 | 2 | 7 | 0 | 7 | 1 | 0 | 7 | 9 | 8 | 0 | 7 | 2 | 4 | 7 | 9 | 9

02 | During refueling outage, inspection of pipe support concrete anchors |
03 | showed that 9% of the anchors tested require replacement. |
04 | Analysis of this occurrence will be made when evaluation of the |
05 | test results is complete. This is the first occurrence of this type. |
06 |
07 |
08 |

09 | SYSTEM CODE: Z Z (11); CAUSE CODE: X (12); CAUSE SUBCODE: Z (13); COMPONENT CODE: S U P P O R T (14); COMP. SUBCODE: Z (15); VALVE SUBCODE: Z (16); LER/RO REPORT NUMBER: 79 (17); EVENT YEAR: 79 (21); SEQUENTIAL REPORT NO.: 049 (24); OCCURRENCE CODE: 01 (28); REPORT TYPE: T (30); REVISION NO.: 0 (32); ACTION TAKEN: F (18); FUTURE ACTION: Z (19); EFFECT ON PLANT: Z (20); SHUTDOWN METHOD: Z (21); HOURS: 0000 (22); ATTACHMENT SUBMITTED: Y (23); NRPD-4 FORM SUB.: N (24); PRIME COMP. SUPPLIER: L (25); COMPONENT MANUFACTURER: X999 (26)

10 | Cause of this occurrence will be determined when evaluation of test |
11 | results are complete. Design Change LEC-593 has been issued to correct |
12 | deficiencies as they are identified. |
13 |
14 |

15 | FACILITY STATUS: G (28); % POWER: 000 (29); OTHER STATUS: N/A (30); METHOD OF DISCOVERY: C (31); DISCOVERY DESCRIPTION: Extension of NRC Inspection (32)

16 | ACTIVITY CONTENT RELEASED OF RELEASE: Z (33); Z (34); AMOUNT OF ACTIVITY: N/A (35); LOCATION OF RELEASE: N/A (36)

17 | PERSONNEL EXPOSURES NUMBER: 000 (37); TYPE: Z (38); DESCRIPTION: N/A (39)

18 | PERSONNEL INJURIES NUMBER: 000 (40); DESCRIPTION: N/A (41)

19 | LOSS OF OR DAMAGE TO FACILITY TYPE: Z (42); DESCRIPTION: N/A (43)

20 | PUBLICITY ISSUED DESCRIPTION: Z (44); DESCRIPTION: N/A (45)