

LICENSEE EVENT REPORT

CONTROL BLOCK: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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CON'T
0 1 REPORT SOURCE L 6 0 5 0 0 0 3 1 1 7 0 4 2 8 8 3 8 0 5 2 5 8 3 9
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EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

0 2 On April 28, 1983, during a pre-test inspection of the Fuel Handling Area Ventilation
0 3 System, roughing filter elements were found installed in the HEPA filter location of the
0 4 normal filter train. The elements were apparently erroneously installed on August 11,
0 5 1982, in response to a high filter D/P indication. The emergency train was not affected,
0 6 and no releases in excess of Environmental Technical Specification (ETS) limits occurred.
0 7 The event involved potential for environmental impact and public interest in accordance
0 8 with ETS Section 5.4.2b.
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

0 9 SYSTEM CODE A A 11 CAUSE CODE D 12 CAUSE SUBCODE Z 13 COMPONENT CODE F I L T E R 14 COMP. SUBCODE Z 15 VALVE SUBCODE Z 16
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

17 LER RO REPORT NUMBER 8 3 22 EVENT YEAR 8 3 23 SHUTDOWN METHOD Z 21 0 0 0 0 22 HOURS 0 0 0 0 23 ATTACHMENT SUBMITTED Y 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

ACTION TAKEN A 18 G 19 FUTURE ACTION Z 20 EFFECT ON PLANT Z 21 SHUTDOWN METHOD Z 21 0 0 0 0 22 HOURS 0 0 0 0 23 ATTACHMENT SUBMITTED Y 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

1 0 The filters were properly replaced and satisfactorily tested. Work to install the filters
1 1 had been performed as non-safety related due to previous work order classification practice.
1 2 Classification procedures have been revised; such work will now be performed using a
1 3 written procedure with quality verification.
1 4
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1 5 FACILITY STATUS G 28 % POWER 0 0 0 29 OTHER STATUS NA 30 METHOD OF DISCOVERY B 31 DISCOVERY DESCRIPTION Surveillance Testing 32
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1 6 ACTIVITY CONTENT Z 33 Z 34 NA 35 AMOUNT OF ACTIVITY NA 36 LOCATION OF RELEASE NA 37
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1 7 PERSONNEL EXPOSURES NUMBER 0 0 0 37 TYPE Z 38 DESCRIPTION NA 39
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1 8 PERSONNEL INJURIES NUMBER 0 0 0 40 DESCRIPTION NA 41
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1 9 LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION NA 43
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

PUBLICITY ISSUED N 44 DESCRIPTION NA 45
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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NRC USE ONLY

NAME OF PREPARER R. Frahm

PHONE: (609) 339-4309



PSEG

Public Service Electric and Gas Company P.O. Box E Hancocks Bridge, New Jersey 08038

Salem Generating Station

May 26, 1983

Mr. J. Allan
Acting Regional Administrator
USNRC
Region 1
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Mr. Allan

LICENSE NO. DPR-75
DOCKET NO. 50-311
REPORTABLE OCCURRENCE 83-018/04L

Pursuant to the requirements of Salem Generating Station Unit No. 2, Environmental Technical Specifications, Section 5.4.2b, we are submitting Licensee Event Report for Reportable Occurrence 83-018/04L. This report is required within thirty (30) days of the occurrence.

Sincerely yours,

J. M. Zupko, Jr.
General Manager -
Salem Operations

RF:kls *9.92*

CC: Distribution

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Report Number: 83-013/04L

Report Date: 05-25-83

Occurrence Date: 04-28-83

Facility: Salem Generating Station Unit 2
Public Service Electric & Gas Company
Hancock's Bridge, New Jersey 08038

IDENTIFICATION OF OCCURRENCE:

Plant Systems - Fuel Handling Area Ventilation System - Normal Filter Train - Inoperable.

CONDITIONS PRIOR TO OCCURRENCE:

Mode 5 - Rx Power 0 % - Unit Load 0 MWe.

DESCRIPTION OF OCCURRENCE:

At 1530 hours, April 28, 1983, during a pre-test inspection of the Fuel Handling Area Ventilation System, a testing contractor representative discovered that roughing filter elements were installed in the HEPA filter location of the normal ventilation filter train. Investigation revealed that the roughing elements were apparently erroneously installed August 11, 1982, in response to a work order describing an excessive filter differential pressure condition.

With the roughing elements installed, the efficiency of the train was reduced during normal system operation. The emergency filter train was not affected, and the Fuel Handling Area System was operable throughout the occurrence in terms of its safety function. Any airborne activity released through the filters would have passed in turn through the plant vent. Based on analysis of data from the Channel 2R16 Plant Vent Gross Activity Monitor and the plant vent iodine and particulate collection devices, no releases in excess of the Environmental Technical Specification (ETS) limits occurred during the period in question.

APPARENT CAUSE OF OCCURRENCE:

Filter replacement in August 1982 was done under a work order which was classified non-safety related. The work order had been properly classified in accordance with previous practice, under which the Fuel Handling System filter changeouts were considered non-safety related. This resulted in the work being performed without a written procedure and quality verification.

The work order had already been identified in a review of Salem Unit 2 work orders conducted to insure proper classification of work under an improved classification system. Follow-up action on the item had not yet been performed at the time of the routine filter surveillance testing.

ANALYSIS OF OCCURRENCE:

Limitations on the Fuel handling Area Ventilation System ensure that all radioactive material released from an irradiated fuel assembly will be filtered prior to discharge to the atmosphere. The operability of this system and the resulting iodine removal capacity are consistent with the assumptions of the accident analyses.

Since the emergency train was not affected, as noted, the system was capable of performing its design function and was operable throughout the occurrence. Also no releases in excess of the limits of the ETS occurred. The event therefore involved neither risk to the health and safety of the public nor adverse impact on the environment. Due to the potential for impact on the environment and public interest concerning environmental impact from plant operation, the event is reportable in accordance with ETS Section 5.4.2b.

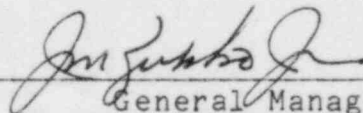
CORRECTIVE ACTION:

HEPA elements were installed in the normal train, and system operation in the normal mode was satisfactorily tested. Due to the recent improvements in the classification of work orders, the replacement of the Fuel Handling Area Ventilation System filters will be henceforth classified as safety related and will be performed in accordance with a written procedure, which includes quality inspection and supervisory holdpoints.

FAILURE DATA:

Not Applicable

Prepared By R. Frahm



General Manager -
Salem Operations

SORC Meeting No. 83-071