

CONTROL BLOCK:

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0 1 | M | T | D | C | C | 1 | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 1 | 4 | 5
7 8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 37 CAT 38

CON'T

REPORT SOURCE: 011 8
DOCKET NUMBER: 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
EVENT DATE: 06 05 00 00 03 11 57 00 09 12 16 18 13 00 11 01 02 15 18 13 09
REPORT DATE: 00

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

012 DURING VISUAL INSPECTION OF ICE CONDENSER FLOW PASSAGES, IT WAS FOUND THAT SIX ICE

CONDENSER BAYS HAD PARTIAL FLOW BLOCKAGE DUE TO ICE BUILDUP. THIS EVENT IS NON-

014 CONSERVATIVE WITH RESPECT TO TECHNICAL SPECIFICATION 4.6.5.1.b.3. PUBLIC HEALTH AND

0 1 SAFETY WERE NOT AFFECTED. THIS IS THE FIRST OCCURRENCE OF THIS TYPE.

0 5 _____

01

1015 _____

SYSTEM CODE: S (9), A (10) (11)
 CAUSE CODE: X (12) (13)
 CAUSE SUBCODE: Z (13) (14)
 COMPONENT CODE: Z (13), Z (13), Z (13), Z (13), Z (13), Z (13) (14)
 COMP SUBCODE: Z (15) (16)
 VALVE SUBCODE: Z (16) (17)

(17) LER/RO REPORT NUMBER [EVENT YEAR
[8][3]
21 22] [—]
23 [SEQUENTIAL REPORT NO.
099
24 26] [—]
27 [OCCURRENCE CODE
03
28 29] [L]
30 [REPORT TYPE
—
31] [REVISION NO.
0
32]

ACTION TAKEN 33 X 34 Z 35 Z 36 Z 37 0 38 0 39 0 40 0 41 Y 42 N 43 Z 44 Z 45 9 46 19 47 19

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

INVESTIGATION FOUND THAT IN FOUR OF THE BAYS THE PARTIAL FLOW BLOCKAGE WAS CAUSED BY

ICE BASKET WEIGHING. THIS INCLUDED REFILLING WHICH COLLECTED ICE ON THE FRAMEWORK AND

1 2 BETWEEN THE BASKETS, THUS CAUSING FLOW BLOCKAGE IN THESE AREAS. THE BLOCKAGE IN THE

1 3 REMAINING TWO BAYS WAS DUE TO NATURAL SUBLIMATION. THE SIX BAYS WERE CLEARED OF ICE

1 4 BLOCKAGE. (SEE ATTACHED SUPPLEMENT)

80

FACILITY STATUS (1) 5 (2) G (28) % POWER (3) 0 (4) 0 (5) 0 (29) OTHER STATUS (30) NA METHOD OF DISCOVERY (31) B (32) DISCOVERY DESCRIPTION (32) SURVEILLANCE TEST

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

ACTIVITY CONTENT
RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36)

1	6	Z	(32)	Z	(34)	NA	NA
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PERSONNEL EXPOSURES				
NUMBER		TYPE	DESCRIPTION	
1	2	0 0 0	(17) Z	(38) NA

PERSONNEL INJURIES		80
NUMBER	DESCRIPTION	
11	41	
12		
13		

LOSS OF OR DAMAGE TO FACILITY		43	80
TYPE	DESCRIPTION		
1	1		

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
 NA

10
PUBLCITY
ISSUED DESCRIPTION (45)
8 9 10
3 0 N 44
8311070275 831025
PDR ADDCK 05000315
S PDR
NRC USE ONLY
68 69

NAME OF PREPARER R. A. PALMER

PHONE 616-465-5901

ATTACHMENT TO LER# 83-099/03L-0

SUPPLEMENT TO CAUSE DESCRIPTION

INVESTIGATION FOUND THAT IN FOUR OF THE BAYS THE PARTIAL FLOW BLOCKAGE WAS CAUSED BY ICE BASKET WEIGHING. THIS INCLUDED REFILLING WHICH COLLECTED ICE ON THE FRAMEWORK AND BETWEEN THE BASKETS, THUS CAUSING FLOW BLOCKAGE IN THESE AREAS. THE BLOCKAGE IN THE REMAINING TWO BAYS WAS DUE TO NATURAL SUBLIMATION. ICE MIGRATION HAS BEEN IDENTIFIED IN THE PAST AS A MAJOR CONTRIBUTOR TO LOW ICE WEIGHTS IN ROWS ADJACENT TO THE CRANE WALL. IT NOW HAS ALSO BEEN IDENTIFIED AS A CONTRIBUTOR TO BLOCKAGE OF ICE FLOW PASSAGES. THE SIX BAYS WERE CLEARED OF ICE BLOCKAGE. IN ADDITION, THE REMAINING BAY FLOW PASSAGES WERE CHECKED AND CLEARED OF ICE AS A PREVENTIVE MEASURE. TO PREVENT RECURRENCE, THE PROCEDURE THAT GOVERNS ICE BASKET WEIGHING HAS BEEN MODIFIED TO ENSURE THAT ICE CONDENSER FLOW PASSAGES ARE FREE OF ICE AND DEBRIS FOLLOWING COMPLETION OF TESTING.

THIS REPORT IS BEING SUBMITTED DUE TO THE TWO BAYS THAT HAD PARTIAL FLOW BLOCKAGE FROM NATURAL SUBLIMATION, SINCE IT CANNOT BE DETERMINED WHEN THIS BLOCKAGE OCCURRED. THE REMAINING FOUR BAYS ARE NOT REPORTABLE SINCE THE BLOCKAGE OCCURRED AND WAS REMOVED DURING MODES WHEN THE TECHNICAL SPECIFICATION WAS NOT APPLICABLE.