

**CONTROL BLOCK:**

						(1)
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(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	M	I	D	C	C	2	(2)	0	0	0	0	0	0	0	0	0	0	0	(3)	4	1	1	1	1	(4)			(5)
7	8	9	LICENSEE CODE	14	15	LICENSE NUMBER	25	26	LICENSE TYPE	30	57	CAT	58																

0	1	REPORT SOURCE										DOCKET NUMBER										EVENT DATE										REPORT DATE									
7	8	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80																			
		L	6	0	5	0	0	0	3	1	6	7	0	5	1	5	7	8	8	1	1	0	8	7	8	9															

02 | DURING SURVEILLANCE TESTING ON 5-15-78 AND 6-20-78, THE HYDROGEN SKIMMER

03 | RECIRCULATION FANS STARTING TIMES WERE FOUND TO BE 10 MINUTES-6 SECONDS FOR

04 | 2 HV-CEQ2 AND 10 MINUTES-5 SECONDS FOR 2-HV-CEQ1.. . THESE TIMES EXCEEDED THE

05 TIMES SPECIFIED BY T. S. 4.6.5.6.a AND T.S. TABLE 3.3-5 ITEM 7.d. PREVIOUS

06 | OCCURRENCES INCLUDE: RO-050-315/75-15.

07 |

08 |

Diagram illustrating the structure of the 20-bit data word:

- SYSTEM CODE** (bits 9-10): S C
- CAUSE CODE** (bit 11): B
- CAUSE SUBCODE** (bit 12): A
- COMPONENT CODE** (bits 13-18): R E L A Y S
- COMP. SUBCODE** (bit 19): M
- VALVE SUBCODE** (bit 20): Z

(17) LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.		
	7	8		0	3	4		X		2	
	21	22	23	24	25	26	27	28	29	30	
ACTION TAKEN	FUTURE ACTION		EFFECT ON PLANT	SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.	
A	X		Z	Z		0	0	0	Y	N	
(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	
33	34	35	36	37	38	39	40	41	42	43	
PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER									
A		1		0		9					
(25)		(26)									
44		45		46		47		48		49	

### CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

INVESTIGATION REVEALED THAT THERE WERE TWO ITEMS AFFECTING THIS EVENT: THE 1

111 MINUTE T.S. TOLERANCE FOR UNIT 2, AND THE AGASTATS INSTALLED ARE OF A 0-60 MINUTE

           RANGE, WHICH IS AN IMPROPER RANGE FOR THE 9-10 MINUTE SETTING. PER THE MANUFACTURER,

AGASTATS WITH A TIME SETTING OF GREATER THAN 200 SECONDS HAVE A REPEAT ACCURACY OF

14 APPROXIMATELY 10 PER CENT, WITH THE FIRST DELAY BEING APPROXIMATELY 20 PER CENT

7 8 9  
FACILITY STATUS  
1 5 E (28)  
% POWER  
0 7 0 (29)  
OTHER STATUS (30) NA  
METI OD OF DISCOVERY  
B (31) SURVEILLANCE TEST  
DISCOVERY DESCRIPTION (32)

ACTIVITY CONTENT  
RELEASED OF RELEASE AMOUNT OF ACTIVITY (35)  
1 6 Z (33) Z (34) NA  
7 8 9 10 11 44

LOCATION OF RELEASE (36)  
NA  
45 80

PERSONNEL EXPOSURES									
NUMBER			TYPE		DESCRIPTION (39)				
1	7	0	0	0	(37)	Z	(38)	NA	

7 8 9 11 12 13 80

		PERSONNEL INJURIES				
		NUMBER	DESCRIPTION		(41)	
1	2	0	0	0	(40) NA	

7 8 9 11 12 80

LOSS OF OR DAMAGE TO FACILITY (43)

TYPE		DESCRIPTION	
1	9	Z	(42) NA 7811148 218

[illegible][illegible]

NAME OF PREPARER Jack Rischling

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ATTACHMENT TO LER # 78-034/03X-2

SUPPLEMENT TO CAUSE DESCRIPTION

LONGER THAN SUBSEQUENT TIME DELAYS DUE TO COIL WARM-UP.

CORRECTIVE ACTIONS INCLUDE: 1) A T.S. CHANGE HAS BEEN SUBMITTED TO INCREASE THE PRESENT 1 MINUTE T.S. SPAN TO A 2 MINUTE SPAN, AND 2) A DESIGN CHANGE (12-1578) HAS BEEN INITIATED TO REPLACE THE 0-60 MINUTE AGASTATS WITH OTHERS HAVING A 0-10 MINUTE RANGE. THE DESIGN CHANGE WILL BE COMPLETED ON BOTH UNITS. THE COMBINATION OF THESE ACTIONS SHOULD PREVENT RECURRENCE.

A REVIEW OF THE OTHER AGASTATS USED TO MEET T.S. REQUIRED TIME DELAYS HAS BEEN MADE. THE REPEAT ACCURACY OF THE OTHER AGASTATS IS CONSISTENT WITH THE T.S. ALLOWANCE IN THAT THESE HAVE A SETTING OF LESS THAN 200 SECONDS.