

LICENSEE EVENT REPORT

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

0 1 | F I L S L S I | 2 0 0 - 0 0 0 0 0 - 0 0 | 3 4 1 1 1 1 | 4 | 5

7 8 9 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

LICENSEE CODE LICENSE NUMBER LICENSE TYPE JO CAT 58

CON'T

0 1 | R E P O R T S O U R C E | 2 0 5 0 0 0 3 3 5 | 7 0 1 0 8 8 3 | 3 0 2 0 7 8 3 | 9

7 8 9 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

REPORT SOURCE DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | While reactor power was briefly reduced to below the point of adding heat

0 3 | for secondary plant maintenance, dose equivalent iodine (DEQ) exceeded

0 4 | the Tech. Spec. 3.4.8.a limit of 1.0 uCi/gm DEQ I-131. The DEQ was first

0 5 | measured above the limit at 1145 on Jan. 8, 1983 and remained above the

0 6 | limit for only 4 hours. The attached sheets contain the information re-

0 7 | quired by Tech. Spec. 3.4.8.d. This is the 14th occurrence of this type.

0 8 | See LER 78-13, -24, -33, 80-39, 81-41, -56, 82-17, -20, -38, -40, -50, -62 & -71.

7 8 9 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

0 9 | SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP SUBCODE VALVE SUBCODE

7 8 9 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

R C | E | X | F U E L X X | Z | Z

17 | LER/RO REPORT NUMBER | 8 3 | SEQUENTIAL REPORT NO. | 0 0 3 | OCCURRENCE CODE | 0 3 | REPORT TYPE | L | REVISION NO. | 0

18 | ACTION TAKEN | Z | 19 | FUTURE ACTION | Z | 20 | EFFECT ON PLANT | Z | 21 | SHUTDOWN METHOD | Z | 22 | HOURS | 0 0 0 | 23 | ATTACHMENT SUBMITTED | Y | 24 | NPD-4 FORM SUB. | N | 25 | PRIME COMP SUPPLIER | N | 26 | COMPONENT MANUFACTURER | C 4 9 0

7 8 9 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

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | After an extended period of power operation with a nominal level of fuel

1 1 | leakage, a reduction in power to below the point of adding heat was a

1 2 | sufficient transient to cause iodine buildup (iodine spiking phenomenon)

1 3 | in the primary coolant.

7 8 9 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

1 5 | FACILITY STATUS | X | 16 | % POWER | 0 0 0 | 17 | OTHER STATUS | NA | 18 | METHOD OF DISCOVERY | A | 19 | DISCOVERY DESCRIPTION | Operator Observation

7 8 9 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

1 6 | ACTIVITY CONTENT RELEASED | Z | 17 | AMOUNT OF ACTIVITY | NA | 18 | LOCATION OF RELEASE | NA

7 8 9 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

1 7 | PERSONNEL EXPOSURES NUMBER | 0 0 0 | 18 | TYPE | Z | 19 | DESCRIPTION | NA

7 8 9 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

1 8 | PERSONNEL INJURIES NUMBER | 0 0 0 | 19 | TYPE | Z | 20 | DESCRIPTION | NA

7 8 9 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

1 9 | LOSS OF OR DAMAGE TO FACILITY TYPE | Z | 20 | DESCRIPTION | NA

7 8 9 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

2 0 | PUBLICITY ISSUED | N | 21 | DESCRIPTION | NA

7 8 9 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

NAME OF PREPARER Dan West PHONE 305-465-3550 ext. 3364

SUPPLEMENTARY INFORMATION
TECHNICAL SPECIFICATION REPORT
DOSE EQUIVALENT IODINE

1. REACTOR POWER HISTORY STARTING 48 HOURS PRIOR TO THE FIRST SAMPLE
IN WHICH THE LIMIT WAS EXCEEDED.

AVERAGE REACTOR POWER

<u>TIME</u>	<u>JAN. 6, 1983</u>	<u>JAN. 7, 1983</u>	<u>JAN. 8, 1983</u>
MN	-	90.50	96.75
01	-	90.50	96.75
02	-	92.25	96.75
03	-	96.25	96.75
04	-	96.75	96.75
05	95.50	96.75	95.75
06	95.75	97.00	84.75
07	96.25	96.75	75.75
08	96.25	96.75	35.25
09	96.25	96.88	29.25
10	96.25	97.00	5.50
11	96.25	97.00	5.50
12	96.25	96.75	<1
13	96.25	96.25	<1
14	96.50	96.50	<1
15	96.50	96.50	<1
16	96.50	96.75	<1
17	96.25	97.25	-
18	96.25	97.25	-
19	96.25	97.25	-
20	95.75	97.25	-
21	95.75	97.25	-
22	95.75	97.25	-
23	95.75	97.25	-

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2. FUEL BURNUP BY CORE REGION

<u>REGION</u>	<u>ENRICHMENT (W/O)</u>	<u>NUMBER OF ASSEMBLIES</u>	<u>EXPOSURE (MWD/MTU)</u>
E	3.03	40	33596.1
E*	2.73	25	27939.9
F	3.65	40	25053.1
F*	3.03	48	28294.0
C	3.65	32	11408.3
G*	3.20	24	14676.3
G/	3.65	4	12712.9
GX	3.03	4	15437.1

3. CLEANUP FLOW HISTORY STARTING 48 HOURS PRIOR TO THE FIRST SAMPLE IN WHICH THE LIMIT WAS EXCEEDED.

Jan. 6 - Jan. 8, 1983 88 gallons per minute

4. HISTORY OF DEGASSING OPERATION, IF ANY, STARTING 48 HOURS PRIOR TO THE FIRST SAMPLE IN WHICH THE LIMIT WAS EXCEEDED.

There were no degassing operations performed during the 48 hour period prior to exceeding the dose equivalent iodine limit.

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5. THE TIME DURATION WHEN THE SPECIFIC ACTIVITY OF THE PRIMARY COOLANT EXCEEDED 10 μ Ci/GM DOSE EQUIVALENT I-131.

The dose equivalent iodine (DEQ) exceeded the limit for a period of approximately four hours.

<u>DATE</u>	<u>TIME</u>	<u>DEQ I-131 (μCi/GM)</u>
1/7/83	0925	0.069
1/8/83	1145	1.023
1/8/83	1545	0.960
1/9/83	0640	0.920