LICENSEE EVENT REPORT

	CONTROL BLOCK: [] [] [] (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)
0 1 2 8	M I D C C 2 2 0 0 - 0 0 0 0 - 0 0 3 4 1 1 1 1 1 4 5 57 CAT 58
O 1	SOURCE L 6 C 5 0 0 0 3 1 6 7 0 8 2 4 8 2 8 0 9 12 2 8 2 9
0 2	FOLLOWING A REACTOR TRIP, THE REACTOR COOLANT SYSTEM (RCS) DOSE EQUIVALENT (DOSEQ)
0 3	1 TODINE-131 CONCENTRATION EXCEEDED THE 1.0 µCi/GRAM STEADY STATE LIMIT OF TECHNICAL
0 4	SPECIFICATION 3.4.8 AT 1100 HOURS ON AUGUST 24, 1982. THE IODINE LEVELS REMAINED
0 5	IN EXCESS OF TECHNICAL SPECIFICATION LIMITS UNTIL 0019 HOURS ON AUGUST 25, 1982. THE
0 6	PUBLIC HEALTH AND SAFETY WERE NOT AFFECTED. PREVIOUS OCCURRENCES OF A SIMILAR NATURE
0 7	INCLUDE: 050-315/76-059, 78-026; 050-316/81-049, 82-004, 013, 018, 067.
0 8	
0 9	SYSTEM CAUSE CAUSE COMPONENT CODE COMPONENT CODE SUBCODE SUBCO
	18 19 20 19 19 20 19 20 19 20 19 20 20 20 20 20 20 20 2
1 0	ON AUGUST 24, 1982, FOLLOWING A REACTOR TRIP, THE RCS DOSEQ-I-131 SPIKED TO 1.20
11	μ Ci/GRAM. PRIOR TO THE REACTOR TRIP, THE RCS DOSEQ-I-131 WAS AVERAGING 5 x 10 ⁻²
1 2	μCi/GRAM. (SEE ATTACHED SUPPLEMENT)
1 3	
7 8	
F	ACILITY SPOWER OTHER STATUS 30 METHOD OF DISCOVERY DESCRIPTION 32 DISCOVERY DESCRIPTION 32 NA B ROUTINE CHEMICAL ANALYSIS
	LEASED OF RELEASE AMOUNT OF ACTIVITY 35 LOCATION OF RELEASE 36
1 7	PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION (39) 0 0 0 37 Z (38) NA
8	PERSONNEL INJURIES NUMBER DESCRIPTION 41 O O O O O O O
	9 11 12
	TYPE DESCRIPTION 43
1 9	Z 42 NA
	Z 42 NA NA NA NBC USE ONLY SSUED DESCRIPTION (45) NA S PDR

ATTACHMENT TO LER# 82-075/03L-0 SUPPLEMENT TO CAUSE DESCRIPTION

THIS REPORT IS SUBMITTED PERSUANT TO THE REQUIREMENTS OF APPENDIX A TECHNICAL SPECIFICATIONS 3.4.8 AND 6.9.1. ON AUGUST 24, 1982, THE DOSE EQUIVALENT IODINE-131 ACTIVITY IN THE UNIT 2 REACTOR COOLANT SYSTEM WAS FOUND OUT OF SPECIFICATION.

AT 0841 HOURS ON AUGUST 24, 1982, A REACTOR TRIP OCCURRED AS A RESULT OF A FAILURE IN A 120 VOLT A.C. VITAL BUS (CRID IV). LABORATORY ANALYSIS AT 1100 HOURS ON AUGUST 24, 1982, INDICATED THE REACTOR COOLANT DOSE EQUIVALENT IODINE-131 CONCENTRATION HAD EXCEEDED THE TECHNICAL SPECIFICATION LIMITS OF 1.0 µCi/GRAM.* THE DOSE EQUIVALENT IODINE-131 ACTIVITY SPIKED TO A MAXIMUM OF 1.20 µCi/GRAM AT 1950 HOURS ON AUGUST 24, 1982. THE CVCS MIXED BED DEMINERALIZER WAS IN SERVICE PRIOR TO AND AFTER THE REACTOR TRIP. AT 2230 HOURS ON AUGUST 24, 1982, IT WAS NOTED THAT THE CVCS MIXED BED DEMINERALIZER HAD BEEN INADVERTENTLY REMOVED FROM SERVICE SOMETIME AFTER REACTOR STARTUP. UPON DISCOVERY OF THIS, THE CVCS MIXED BED DEMINERALIZER WAS RETURNED TO SERVICE AND COOLANT SYSTEM DOSEQ IODINE-131 VALUES SHOWED A DECREASING TREND. THE RCS DOSEQ IODINE REMAINED ABOVE TECHNICAL SPECIFICATION LIMITS UNTIL 0019 HOURS ON AUGUST 25, 1982. ALL SUBSEQUENT ANALYSIS INDICATED DOSEQ IODINE-131 BELOW SPECIFICATION AND DECREASING.

AT 1251 HOURS ON AUGUST 24, 1982, THE REACTOR WAS AGAIN TAKEN CRITICAL AND UNIT STARTUP COMMENCED. POWER WAS STEADILY INCREASED UNTIL THE UNIT WAS AT 100% POWER AT 2000 HOURS ON AUGUST 25, 1982. DOSE EQUIVALENT IODINE-131 VALUES WERE IN THE "ACCEPTABLE OPERATION" PORTION OF TECHNICAL SPECIFICATION FIGURE 3.4-1 AT ALL TIMES DURING THE TRANSIENT. ALL APPLICABLE TECHNICAL SPECIFICATION ACTION ITEMS WERE MET DURING THIS TIME. THE IODINE RELEASE AT THIS TIME PERIOD IS CONSISTENT WITH DATA REPORTED IN WESTINGHOUSE ELECTRIC

SUPPLEMENT TO CAUSE DESCRIPTION (CONT'D)

CORPORATION WCAP-8637, "IODINE BEHAVIOR UNDER TRANSIENT CONDITIONS IN THE PRESSURIZED WATER REACTOR". FUEL BURNUP BY THE REGION AND ALL ADDITIONAL DATA, AS REQUIRED BY TECHNICAL SPECIFICATION 3.4.8, IS FOUND IN THE ATTACHMENTS.

*COOLANT SAMPLES ARE BROUGHT TO AMBIENT CONDITIONS PRIOR TO COUNTING; THEREFORE, UNITS OF µCi/GRAM AND µCi/cc ARE CONSIDERED INTERCHANGEABLE.

BORNOO CALCULATION SUPERARY SHEET

PEPOPT NO. 188 DATE SEPTEMBER 16. 1982 PERIOD 01JH-82-24AUG82	CUMULATIVE ENFRGY (BTU)	0.1970E-14 0.8749F-14 0.5055E-14	0.1579F.15
DATE S PERIOD	ENEWGY FOR PERIOD (RTU)	0.4474F+12 0.4474F+13 0.5004F+13	0.10106.14
	CHAULATIVE FURNUP (PREDANTU)	0.2912F.05	0.71776.05
	BURNOP FOR PF0105 CMST/WTUD	0.7910F.03 0.1446F.04 0.1449F.04	0,13036,04
CYCLE TIO. 3	0F610N NO	-05	CODE TOTAL

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