UPDATED REPORT - PREVIOUS REPORT DATE 12-08-82

LICENSEE EVENT REPORT

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

Line	Field	Value
01	Licensee Code (2)	M I D C C 2
01	License Number (3)	0 0 - 0 0 0 0 0 - 0 0
01	License Type (4)	4 1 1 1 1
01	CAT (5)	
CON'T 01	Report Source (6)	L
	Docket Number (7)	0 5 0 0 0 3 1 6
	Event Date (8)	1 1 2 1 8 2
	Report Date (9)	0 2 1 7 8 3

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 FOLLOWING UNIT SHUTDOWN, THE REACTOR COOLANT SYSTEM (RCS) DOSE EQUIVALENT (DOSEQ)

03 IODINE-131 CONCENTRATION EXCEEDED THE 1.0 μCi/gram STEADY STATE LIMIT OF TECHNICAL

04 SPECIFICATION 3.4.8. THE IODINE LEVELS REMAINED IN EXCESS OF TECHNICAL SPECIFICATION

05 LIMITS FOR APPROXIMATELY 21 HOURS AND 45 MINUTES. THE PUBLIC HEALTH AND SAFETY WERE

06 NOT AFFECTED. PREVIOUS OCCURRENCES OF A SIMILAR NATURE INCLUDE: 50-315/76-059,

07 78-026; 50-316/81-049, 82-004, 013, 018, 067, 075, 078, 079.

08

Line 09	System Code (11)	Cause Code (12)	Cause Subcode (13)	Component Code (14)	Comp. Subcode (15)	Valve Subcode (16)
	C G	X	Z	Z Z Z Z Z Z	Z	Z

(17) LER/RO REPORT NUMBER

Event Year		Sequential Report No.		Occurrence Code	Report Type		Revision No.
8 2	—	0 9 3	/	0 3	X	—	1

Action Taken (18)	Future Action (19)	Effect on Plant (20)	Shutdown Method (21)	Hours (22)	Attachment Submitted (23)	NPRD-4 Form Sub. (24)	Prime Comp. Supplier (25)	Component Manufacturer (26)
X	Z	Z	Z	0 0 0 0	Y	N	Z	Z 9 9 9

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 ON NOVEMBER 21, 1982, FOLLOWING A CONTROLLED UNIT SHUTDOWN, THE RCS DOSEQ-I-131

11 SPIKED TO 2.06 μCi/gram. PRIOR TO THE SHUTDOWN, THE RCS DOSEQ-I-131 WAS AVERAGING

12 1.5×10^{-1} μCi/gram. (SEE ATTACHED SUPPLEMENT). .

13

14

Line 15	Facility Status (28)	% Power (29)	Other Status (30)	Method of Discovery (31)	Discovery Description (32)
	G	0 0 0	NA	B	ROUTINE CHEMICAL ANALYSIS

Line 16	Activity Released (33)	Content of Release (34)	Amount of Activity (35)	Location of Release (36)
	Z	Z	NA	NA

PERSONNEL EXPOSURES

Line 17	Number (37)	Type (38)	Description (39)
	0 0 0	Z	NA

PERSONNEL INJURIES

Line 18	Number (40)	Description (41)
	0 0 0	NA

LOSS OF OR DAMAGE TO FACILITY (43)

Line 19	Type (42)	Description
	Z	NA

PUBLICITY

Line 20	Issued (44)	Description (45)
	N	NA

NRC USE ONLY

NAME OF PREPARER R. A. PALMER

PHONE: 616-465-5901

GPO 917-926

ATTACHMENT TO LER# 82-093/03X-1

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 NOVEMBER 21, 1982, THE DOSE EQUIVALENT IODINE-131 ACTIVITY IN THE UNIT 2 REACTOR COOLANT SYSTEM WAS FOUND OUT OF SPECIFICATION.

AT 0553 HOURS ON NOVEMBER 19, 1982, THE UNIT STARTED A CONTROLLED SHUTDOWN, WITH THE REACTOR GOING SUBCRITICAL AT 0155 HOURS ON NOVEMBER 21, 1982. LABORATORY ANALYSIS AT 0345 HOURS ON NOVEMBER 21, 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 2.06 µCi/gram AT 1100 HOURS ON NOVEMBER 21, 1982. THE REACTOR COOLANT SYSTEM DOSE EQUIVALENT IODINE REMAINED ABOVE TECHNICAL SPECIFICATION LIMITS UNTIL 0250 HOURS ON NOVEMBER 22, 1982, ALL SUBSEQUENT DOSE EQUIVALENT IODINE ANALYSIS INDICATED DECREASING LEVELS OF IODINE. CVCS LETDOWN PURIFICATION FLOW WAS MAINTAINED AT ITS MAXIMUM THROUGHOUT THE TRANSIENT EXCEPT DURING INITIATION OF RHR COOLDOWN WHEN RECIRCULATION FLOW WAS REDUCED, AND FOLLOWING A LOSS OF THE TRAIN A 250 VOLT DC BUS WHEN LETDOWN FLOW WAS STOPPED FOR SEVERAL HOURS.

FOLLOWING THE SHUTDOWN, THE UNIT WAS COOLED DOWN TO MODE 5 AND DEGASSED. IODINE RELEASE AT THIS TIME PERIOD IS CONSISTENT WITH DATA REPORTED IN WESTINGHOUSE ELECTRIC CORPORATION WCAP-8637, "IODINE BEHAVIOR UNDER TRANSIENT CONDITIONS IN THE PRESSURIZED WATER REACTOR". 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.

ATTACHMENT TO LER#82-093/03X-1

SUPPLEMENT TO CAUSE DESCRIPTION (CONT'd)

IN AN ATTEMPT TO PREVENT RECURRENCE, FUEL SIPPING WILL BE PERFORMED DURING THIS REFUELING OUTAGE IN AN EFFORT TO LOCATE AND REPLACE THE LEAKING FUEL ASSEMBLIES.

FUEL BURNUP BY THE REGION AND ALL ADDITIONAL DATA, AS REQUIRED BY TECHNICAL SPECIFICATION 3.4.8, IS FOUND IN THE ATTACHMENTS.

THIS ADDITION TO THE LER IS PROVIDED AS AN UPDATE DUE TO THE COMPLETION OF FUEL SIPPING.

DURING THE RECENT CYCLE FOUR (4) REFUELING OUTAGE ALL FUEL ASSEMBLIES SCHEDULED TO REMAIN IN THE CORE WERE EXAMINED VIA FUEL SIPPING TO IDENTIFY POTENTIAL LEAKING ASSEMBLIES. BASED ON THE RESULTS OF THE FUEL SIPPING, EIGHT (8) R ASSEMBLIES WERE NOT RETURNED TO THE CORE AND EIGHT (8) SUITABLE M ASSEMBLIES WERE TESTED AND SUBSITUTED IN THE CORE.

SINCE RETURNING TO SERVICE, THE REACTOR COOLANT SYSTEM DOSE EQUIVALENT IODINE-131 LEVELS HAVE DROPPED SIGNIFICANTLY. THE CURRENT AVERAGE VALUE IS 7×10^{-3} µCi/cc, COMPARED TO THE TYPICAL COOLANT SYSTEM DOSE EQUIVALENT IODINE-131 LEVELS OF 2×10^{-1} µCi/cc DURING CYCLE 3.

DURING THE STARTUP, THE UNIT EXPERIENCED A REACTOR TRIP FROM 60% POWER. NO IODINE SPIKE WAS NOTED DURING THIS TRANSIENT. THIS OCCURRED WHILE THE CVCS MIXED BED DEMINERALIZER WAS NOT IN SERVICE WHICH WOULD HAVE CONTRIBUTED TO THE IDENTIFICATION OF ANY INCREASE IN IODINE. NO FURTHER ACTION IS PLANNED.

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