LICENSEE EVENT REPORT

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

0 1 LICENSEE CODE: M I D C C 2 ② LICENSE NUMBER: 0 0 0 0 0 0 0 0 0 0 0 ③ LICENSE TYPE: 4 1 1 1 1 ④ CAT ⑤

CON'T

0 1 REPORT SOURCE: L ⑥ DOCKET NUMBER: 0 5 0 0 0 3 1 6 ⑦ EVENT DATE: 0 3 2 6 8 2 ⑧ REPORT DATE: 0 4 2 3 8 2 ⑨

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES ⑩

0 2 DURING A SCHEDULED SURVEILLANCE TEST OF THE ICE CONDENSER BASKETS, THE MINIMUM

0 3 AVERAGE ICE WEIGHT OF SAMPLE BASKETS FROM RADIAL ROWS 8 AND 9 GROUP 2 WAS FOUND TO

0 4 BE LESS THAN 1220 POUNDS/BASKET AT A 95% LEVEL OF CONFIDENCE. THIS CONDITION WAS

0 5 NON-CONSERVATIVE WITH RESPECT TO TECHNICAL SPECIFICATION 4.6.5.1b-2.

0 6

0 7

0 8

	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
0 9	S A ⑪	X ⑫	Z ⑬	Z Z Z Z Z Z ⑭	Z ⑮	Z ⑯

⑰ LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	8 2	—	0 2 5	/	0 3	L	—	0

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

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS ㉗

1 0 ICE LOSS WAS CAUSED BY THE MIGRATION OF ICE MASS AWAY FROM THE CRANE WALL, WHICH

1 1 OCCURRED DUE TO TEMPERATURE GRADIENT INDUCED AIR CURRENTS. ICE MASS WAS ADDED TO THE

1 2 UNDERWEIGHT BASKETS TO BRING THEM WITHIN TECHNICAL SPECIFICATION LIMITS.

1 3 (SEE ATTACHED SUPPLEMENT)

1 4

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

	ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY ㉟	LOCATION OF RELEASE ㊱
1 6	Z ㉝	Z ㉞	NA	NA

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION ㊴
1 7	0 0 0 ㊲	Z ㊳	NA

PERSONNEL INJURIES

	NUMBER	DESCRIPTION ㊶
1 8	0 0 0 ㊵	NA

LOSS OF OR DAMAGE TO FACILITY ㊸

	TYPE	DESCRIPTION
1 9	Z ㊷	NA

8204300268

PUBLICITY

	ISSUED	DESCRIPTION ㊺	NRC USE ONLY
2 0	N ㊹	NA	

NAME OF PREPARER R. A. PALMER PHONE: 465-5901

ATTACHMENT TO LER#82-025/03L-0

SUPPLEMENT TO CAUSE DESCRIPTION

THE MIGRATION OF ICE MASS AWAY FROM THE CRANE WALL OCCURRED DUE TO TEMPERATURE GRADIENT INDUCED AIR CURRENTS. THESE TEMPERATURE GRADIENTS ARE DUE TO THE PROXIMITY OF THE CRANE WALL TO THE STEAM GENERATORS. AS THIS MECHANISM WAS APPARENT FROM PREVIOUS DATA, SOME MIGRATION OF ICE MASS WAS EXPECTED. HOWEVER, THE MAGNITUDE WAS HIGHER THEN PREDICTED.

PRIOR TO ICE BASKET WEIGHING, A TOTAL OF 17 AIR HANDLER UNITS WERE INOPERABLE. 9 OF THE INOPERABLE AIR HANDLERS WERE IN GROUP 2, WITH 5 ALONG THE GROUP 2 CRANE WALL AND 4 ALONG THE GROUP 2 CONTAINMENT WALL. AS A RESULT OF THE LARGE NUMBER OF INOPERABLE AIR HANDLERS, PARTICULARLY IN THE GROUP 2 CRANE WALL AREA, THE MIGRATION LOSS WAS LARGER THEN EXPECTED IN THIS REGION. THE REASON FOR THE LARGE NUMBER OF INOPERABLE AIR HANDLERS WAS DUE TO THE HIGH AIRBORNE RADIOACTIVITY CONCENTRATION IN CONTAINMENT WHICH, AS A RESULT OF ALARA PRACTICES, PREVENTED MAINTENANCE DURING UNIT OPERATION. ALL AIR HANDLERS WERE REPAIRED AND RETURNED TO SERVICE PRIOR TO THE UNIT STARTUP.

ICE MASS WAS ADDED TO THOSE BASKETS NOT MEETING TECHNICAL SPECIFICATION MINIMUM LIMITS. ICE WAS ADDED TO BOTH THE TOP AND BOTTOM OF THE BASKETS, REQUIRING SIGNIFICANT EFFORT IN DEVELOPING THE ICE ADDITION METHOD.

TO PREVENT RECURRENCE A PROGRAM HAS BEEN INSTITUTED TO MONITOR AIR HANDLER AND GLYCOL CHILLER PERFORMANCE DAILY. ANY DEGRADATION IN REFRIGERATION CAPACITY WILL BE IDENTIFIED AND CORRECTIVE ACTION TAKEN AS PERMITTED BY ALARA PRACTICES. FURTHERMORE, A TASK FORCE WILL BE FORMED TO REVIEW METHODS FOR FURTHER REDUCTION OF SUBLIMATION RATES IN ALL ROWS AND SPECIFICALLY THOSE NEAREST THE CRANE WALL. THIS TASK FORCE WILL ALSO EVALUATE REQUIRED ICE BASKET MINIMUM WEIGHT REQUIREMENTS AND REFINEMENT OF ICE MASS ADDITION TECHNIQUES.