

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

CONT

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REPORT SOURCE

L	6	0	5	0	0	0	3	3	1	7	0	6	1	6	8	2	9	0	7	1	5	8	2	9
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60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

DOCKET NUMBER

EVENT DATE

REPORT DATE

02 During cold shutdown surveillance testing, manual breakers for inlet heater EC-5805A on 'A' train of SBT system found open. 'A' train of SBT was not operable as required by T. S. 4.7.B.1.b. Redundant SBT train 'B' was operating properly. T. S. 4.7.B.2.d requiring SBT operation with heaters on at least 10 hours per month was not met for train 'A' for undetermined period of time prior to discovery of open heater breakers. No previous similar occurrences.

SYSTEM CODE S C 11		CAUSE CODE A 12		CAUSE SUBCODE X 13		COMP. SUBCODE Z 15		VALVE SUBCODE Z 16	
EVENT YEAR 8 2		SEQUENTIAL REPORT NO. 0 4 2		OCCURRENCE CODE 0 3		REPORT TYPE L		REVISION NO. 0	
ACTION TAKEN E 18		EFFECT ON PLANT Z 20		SHUTDOWN METHOD Z 21		HOURS 0 0 0		ATTACHMENT SUBMITTED Y 23	
FUTURE ACTION G 19		PRIME COMP SUPPLIER A 25		NPRO-4 FORM SUB N 24		COMPONENT MANUFACTURER X 9 9 9			

1 0 Inoperability of EC-5805A caused by personnel manually opening breakers.

1 1 Reason and date breakers opened cannot be determined. Breakers were closed and EC-5805A tested sat. Design change shall provide direct heater indication in control room. SBTG test procedures will be revised to require that heater operation be verified.

FACILITY STATUS (1) 5 (2) G (28) 0 0 0 (29) NA OTHER STATUS (30)
 METHOD OF DISCOVERY (31) B Surveillance test DISCOVERY DESCRIPTION (32)
 ACTIVITY CONTENT RELEASED OF RELEASE (33) Z (34) Z NA AMOUNT OF ACTIVITY (35)
 LOCATION OF RELEASE (36) NA

PERSONNEL EXPOSURES									
NUMBER			TYPE	DESCRIPTION					
1	7	0	0	0	37	4	18	NA	39

PERSONNEL INJURIES		DESCRIPTION	
NUMBER			
1	0	40	NA

LOSS OF OR DAMAGE TO FACILITY (43)
TYPE DESCRIPTION
Z (42) NA

8207260342 820716
PDR ADOCK 05000331
S PDR

NRC USE ONLY

PHONE: 319-851-5611

DUANE ARNOLD ENERGY CENTER

Iowa Electric Light and Power Company

Licensee Event Report - Supplemental Data

Docket No. 050-0331

Licensee Event Report Date: 7/15/82

Reportable Occurrence No: 82-042

Event Description:

During cold shutdown while performing surveillance testing, the manual breakers for inlet heater EC-5805A on the "A" train of the standby gas treatment (SBGT) system were found open. The inlet heater serves to reduce the relative humidity of entering air to prevent the collection of moisture in the SBGT charcoal bed filter. With the inlet heater breaker manually placed in the open position, the "A" train of the SBGT system was not operable as designed. Operability of the inlet heater is required by Technical Specification 4.7.B.1.b. Redundant SBGT system train "B" was operating properly.

Because the control room indication for heater EC-5805A is not dependent on the position of the breakers, there was no indication that heater EC-5805A was not operating due to the manually-open breakers. Thus, it is assumed that Technical Specification 4.7.B.2.d requiring SBGT system operation with the heaters on at least 10 hours per month was not met for train "A" for an undetermined period of time prior to the discovery of the open heater breakers. There have been no previous similar occurrences.

Cause Description:

The inoperability of heater EC-5805A was caused by personnel manually opening the heater breakers. The reason these breakers were opened and the date they were opened cannot be determined. It is likely that EC-5805A had been inoperable less than 4 months because this heater was used in early March 1982 to dry out charcoal in the SBGT filter bed.

Corrective Action:

The manual heater breakers for EC-5805A were immediately closed upon discovery and EC-5805A was functionally tested satisfactorily. A design change shall be initiated to provide direct SBGT inlet heater indication in the control room. SBGT system surveillance test procedures will be revised to require that inlet heater operation be verified by measuring SBGT system air temperature.