

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

CON'T

0	1
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REPORT SOURCE

L	6	0	5	0	0	0	3	3	1	7	0	3	2	6	8	3	3	0	4	2	5	8	3	9
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DOCKET NUMBER

EVENT DATE

REPORT DATE

0 2 During refueling outage (2/16/83), accessible hydraulic snubbers were vi
0 3 sually insp in accordance with STP46H002. Engr eval concluded 4 were ino
0 4 p. The functionality of 4 others was indeterminent & considered inop. 1
0 5 was low on fluid, 6 strut/shaft joints were loose, and 1 strut bushing w
0 6 as extruded. Associated syst incl: RHR(Div II), HPCI, RHR SW, & CS. Engr
0 7 eval (T.S.3.6.H.2) concluded that the ESF functions were not degraded &
0 8 the public health & safety was not affected. (77-24,70,78-35,82-83)

0 9 8

SYSTEM CODE 9 S F 10 11

CAUSE CODE 11 D 12

CAUSE SUBCODE 12 Z 13

COMPONENT CODE 13 S U P P O R T 14

COMP. SUBCODE 15 D 16

VALVE SUBCODE 16 Z 17

17 LER/RO REPORT NUMBER 21 8 22 3

EVENT YEAR 21 8 22 3

23

SEQUENTIAL REPORT NO. 24 0 25 8 26

OCCURRENCE CODE 27 3 28 29

REPORT TYPE 30 L 31

REVISION NO. 32

ACTION TAKEN 33 G 34 18 X 35 19

FUTURE ACTION 34 X 35

EFFECT ON PLANT 35 Z 36 20

SHUTDOWN METHOD 36 Z 37 21

HOURS 37 0 38 0 39 0 40 22

ATTACHMENT SUBMITTED 41 Y 42 23

NPRO-4 FORM 308 42 N 43 24

PRIME COMP. SUPPLIER 43 A 44 25

COMPONENT MANUFACTURER 44 B 45 2 46 0 47 9 48 25

Respective causes are: seal deterioration/wear and improper instl instru
ctions. All hydraulic snubbers are being rebuilt/replaced this outage. N
ext accessible snubber insp will be based on a 31 day interval beginning
3/26/83 (T.S.4.6.H.1). Insp proc STP46H002 and Maint Proc GPM26 now clea
rly delineate insp & maint criteria to support snubber serv life program

FACILITY STATUS (1) 5 (28) 0 POWER 0 (29) NA OTHER STATUS (30) METHOD OF DISCOVERY (31) Visual Inspection DISCOVERY DESCRIPTION (32)
 ACTIVITY CONTENT RELEASED OF RELEASE (33) Z (34) NA AMOUNT OF ACTIVITY (35) NA LOCATION OF RELEASE (36)

PERSONNEL EXPOSURES									
NUMBER			TYPE	DESCRIPTION		(39)			
1	7	0	0	(37)	Z	(38)	NA		

PERSONNEL INJURIES
NUMBER DESCRIPTION (41)
S PDR

8305030396 830425
PDR ADCK 05000331
S PDR

7 8 9 11 12 80

LOSS OF OR DAMAGE TO FACILITY (43)

TYPE DESCRIPTION

1 9 Z 42 NA

7 8 9 10 80

PUBLICITY

ISSUED DESCRIPTION

(7)	(8)	(9)	(44)	(45)	NRC USE ONLY
2	0		NA		

NAME OF PREPARER Gregg A Reimers

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DUANE ARNOLD ENERGY CENTER

Iowa Electric Light and Power Company

Licensee Event Report - Supplemental Data

Docket No. 050-0331

Licensee Event Report Date: 4/25/83

Reportable Occurrence No: 83-008

Event Description and Probable Consequences:

During the 1983 refueling outage, the accessible snubbers identified in Technical Specifications (hydraulic type) were visually inspected in accordance with Surveillance Test Procedure (STP) 46H002. This STP was revised, prior to the inspection, to include more comprehensive inspection criteria than previously implemented. Engineering evaluations were then performed on all identified deficiencies. Engineering evaluations, (completed on 3/26/83) concluded 4 were inoperable and 4 were indeterminant as to operability. All eight of these snubbers were declared inoperable in accordance with Technical Specification 4.6.H.2. The following is a list of the eight inoperable snubbers.

Snubber No.	System	Supported Component	Problem
HBB-6-SS-20	HPCI	Turbine exhaust	Low fluid level
GLE-8-SS-239	RHR (Div II)	Containment spray (between iso vlv's)	Extruded strut bushing
GBB-10-SS-242A	RHR (Div II)	Reactor head spray	Strut/shaft joint loose
GBB-10-SS-242A	RHR (Div II)	Reactor head spray	Strut/shaft joint loose
HBB-1-SS-10	CS (Div II)	Pump suction	Strut/shaft joint loose
HBB-2-SS-7	CS (Div I)	Pump suction	Strut/shaft joint loose
GBC-1-SS-56	RHR SW (Div I)	Pump discharge	Strut/shaft joint loose
GBC-2-SS-62	RHR SW (Div II)	Pump discharge	Strut/shaft joint loose

Engineering evaluations of the components supported by the inoperable snubbers have also been performed to determine system operability (T.S.1.0 Definition 5). These evaluations have concluded that the respective failures did not degrade the supported component; nor would they have prevented the component from performing its intended safety function during design basis events. Therefore, the health and safety of the plant personnel and the public were not jeopardized.

Additional visual observations that did not degrade snubber operability, per the 3/26/83 engineering evaluation, included the following:

DUANE ARNOLD ENERGY CENTER

Iowa Electric Light and Power Company

Licensee Event Report - Supplemental Data

Docket No. 050-0331

Licensee Event Report Date: 4/25/83

Reportable Occurrence No: 83-008

Event Description and Probable Consequences: (Cont.)

Observation	Number of observations this inspection
Missing/improper cotter pin	2
Clevis pin deformed	1
Snubber shaft/strut threaded joint loose	13
Snubber fully extended	1
Snubber fully retracted	1
Pipe clamp rotated or loose	3
Low on fluid	7
Shaft corroded/dirty	5
Bent strut	1
Loose/misaligned bushings	4

Cause Description and Corrective Actions:

Prior to this inspection, the surveillance procedure (STP 46H002) focused on fluid level and "other" signs of potential degradation. The current revision, which was used for this inspection, explicitly identifies visual inspection criteria. These criteria address mechanical aspects of the snubbers in addition to the hydraulic mechanism. Maintenance Procedure, GPM 026, delineates detailed instructions for the installation and removal of hydraulic snubbers. This procedure did not exist for prior outages. The above mentioned improvements in the inspection and handling of snubbers, in conjunction with the increased inspection frequency required by the Technical Specifications, will provide for early snubber problem identification. Thereby, snubber reliability will be improved.