LICENSEE EVENT REPORT

CONTROL BLOCK: [ ] (1–6) **(PLEASE PRINT ALL REQUIRED INFORMATION)**

	LICENSEE NAME	LICENSE NUMBER	LICENSE TYPE	EVENT TYPE
01	ARARK 1 (7–9, 9–14)	00-00000-00 (15–25)	4 1 1 1 1 (26–30)	0 1 (31–32)

	CATEGORY	REPORT TYPE	REPORT SOURCE	DOCKET NUMBER	EVENT DATE	REPORT DATE
01 CON'T (7–8)	(57–58)	T (59)	L (60)	050-313 (61–68)	032576 (69–74)	040876 (75–80)

EVENT DESCRIPTION

02 While making preparation for removing surveillance specimens for inspection of holder
03 tubes due to wear at other B&W plants, it was found that spring cartridge was missing
04 from 2 tubes and one of those two tubes was partially missing along with push rod
05 and journal bearing. Search for missing pieces initiated.(50-313/76-3)
06

	SYSTEM CODE	CAUSE CODE	COMPONENT CODE	PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER	VIOLATION
07 (7–9)	CA (10)	B (11)	XXXXXX (12–17)	N (43)	B015 (44–47)	N (48)

CAUSE DESCRIPTION

08 NA
09

	FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
11 (7–8)	6 (9)	000 (10–12)	NA (13–44)	C (45)	NA (46–80)

	FORM OF ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
12 (7–8)	Z (9)	Z (10)	NA (11–44)	NA (45–80)

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION
13 (7–8)	000 (9–11)	Z (12)	NA (13–80)

PERSONNEL INJURIES

	NUMBER	DESCRIPTION
14 (7–8)	000 (9–11)	NA (12–80)

OFFSITE CONSEQUENCES

15 NA

LOSS OR DAMAGE TO FACILITY

	TYPE	DESCRIPTION
16 (7–8)	L (9)	Extension of shutdown approximately 2 months to defuel, inspect, and refuel (10–80)

PUBLICITY

17 Press release made on 4/8/76

ADDITIONAL FACTORS

18 NA

19

8004180707

NAME: Daniel H. Williams PHONE: (501) 371-4192

1. Reportable Occurrence Report No. 50-313/76-2

2. Report Date: 4/8/76 3. Occurrence Date: 3/25/76

4. Facility: Arkansas Nuclear One-Unit 1
Russellville, Arkansas 72801

5. Identification of Occurrence:

Reactor surveillance specimen holder tube failure.

6. Conditions Prior to Occurrence:

Steady-State Power		Reactor Power	0 MWth
Hot Standby		Net Output	0 MWe
Cold Shutdown	X	Percent of Full Power	0 %
Refueling Shutdown		Load Changes During Routine Power Operation	
Routine Startup Operation			
Routine Shutdown Operation			
Other (specify)			

7. Description of Occurrence:

At approximately 2200 hour while making preparation for removing the surveillance specimens for the inspection of the specimen holder tubes due to wear problems at two other B&W plants, it became apparent that the spring cartridge was missing from 2 of 3 specimen tubes. In addition one of those tubes, identified as tube no. 3, had the push rod missing and detached from the specimen, the journal bearing missing, and part, if not all, of the holder tube missing from the top of the shroud to the upper hinge of the specimen tube.

Tube no. 2 is in the same condition as tube no. 3 except that part, if not all, of the push rod is attached to the specimen and part, if not all, of the holder tube is still around the push rod. All of tube no. 1 was intact and the specimen has been removed. A 6½ foot section of holder tube came out when the specimen was removed. The specimens for tubes no. 2 and 3 appear to be in their proper location.

8. Designation of Apparent Cause of Occurrence:

Design	X	Procedure	
Manufacture		Unusual Service Condition Including Environmental	
Installation/ Construction		Component Failure	
Operator			
Other (specify)			

9. Analysis of Occurrence:

There is no evidence of failed fuel due to what appears to be loose parts in the reactor, thus no hazard to the health and safety of the public.

10. Corrective Action:

The reactor will be defueled, the internals removed, loose parts retrieved, and necessary modifications and inspections made to prevent reoccurrence.

11. Failure Data:

No prior failures of this type at ANO.