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1.	Abnormal Occurrence Report No. 50-313/74-3					
2.	Report Date: July	16, 1974	3. Occurrence Date	: July	6, 1974	
4.	Facility: Arkan Russe	sas Nuclear O 11ville, Arka	ne-Unit l nsas			
5.	Identification of Occurrence: Reactor Building Purge Control Isolatio Valve CV-7402 failed in mid position during a surveillance stroke tes					
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					
	Routine Startup Operation					
	Routine Shutdown Operation					
	Load Changes During	g Routine Powe	r Operation			
	Other (Specify)	Prior to Ini	tial Criticality			

7. Description of Occurrence: On July 6, 1974, at 2020 hours, isolation valve CV-7402 was stroked per surveillance procedure 1304.70. The valve failed in mid position. The other reactor building isolation valve in the line (CV-7404) was also tested per OP 1304.70 and found to be operable.

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July 5, 1974

NSP-10, Rev. 0

Abnormal Occurrence Report No. 50-313/74-3

Design Procedure Manufacture Unusual Service Condition Including Installation/ Х Environmental Construction

8. Designation of Apparent Cause of Occurrence:

Operator

Other (Specify)

The valve operator was removed, dismantled, and examined. The lower bearing was frozen due to rust and lack of lubrication. Lack of lubrication and the operation of the valve had destroyed the O-Ring grease seal, allowing moisture to enter the bearing and preventing subsequent greasing of the bearing.

Component Failure

9. Analysis of Occurrence:

At the time of the occurrence reactor building integrity was not required, the redundant valve was operable, and initial criticality had not been reached. No safety implications were involved and the health and safety of the public were not endangered.

10. Corrective Action:

The valve operator was disassembled, cleaned, reassembled and lubricated. Permanent grease nipples have been installed. The valve has been stroked to assure its operability.





Sheet 2

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Abnormal Occurrence Report No. 50-313/74-3

Sheet 3

11. Failure Data:

There have been no previous failures of this type and it is believed to be an isolated case. The failed component identification is as follows: Robotarm actuator, Serial No. 11768-2, maximum working pressure 80 psi.

12. Reviews and Approvals:

Re	viewed and Approved by:	Plant Safety Committee	e Yes (X) No ()
		Plant Superintendent	Yes (X) No ()
		Reference: JWA-394	Date: 7/12/74
Ren	viewed by: Donald	A. Pueter 19 Supervisor	Date: 2/16/74
Арі	proved by:	Land in Committee	Date: 7.16-74
App	proved by: Aller	Longen Services	Date: 7/16/74
Арр	proved by	Power Production	Date: 7.16.74
Арр	proved by: <u>J.J.</u> Senior Vi	ce Président	Date: 1. 16-712
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