

OYSTER CREEK NUCLEAR GENERATING STATION  
FORKED RIVER, NEW JERSEY 08731

Abnormal Occurrence  
Report No. 50-219/74/27

Report Date

April 26, 1974

Occurrence Date

April 17, 1974

Identification of Occurrence

Failure of three (3) Bergen-Paterson hydraulic shock and sway arrestors, two (2) located on the main steam line and one (1) on the feedwater line, in the drywell. This event is considered to be an abnormal occurrence reportable within ten days by virtue of personal communications with AEC Region I, Regulatory Operations.

Conditions Prior to Occurrence

The plant was shut down with reactor coolant less than 212°F and preparations for refueling operations were in progress.

Description of Occurrence

On April 17, 1974, an inspection was conducted of all Bergen-Paterson hydraulic shock and sway arrestor units installed in the drywell. As a result of this inspection, three units, rebuilt in September 1973 with molded polyurethane seal material, were found inoperable as determined by the absence of fluid level indication in the accumulators. The inoperable units were as follows:

<u>Serial No.</u>	<u>System</u>	<u>Elevation</u>
487530	South Main Steam	23 Feet
487512	South Main Steam	51 Feet
587519	South Feedwater	51 Feet

Apparent Cause of Occurrence

None of the units have as yet been disassembled and, consequently, the failure mechanism is unknown at this time.

Analysis of Occurrence

Had the design seismic event occurred during power operation, the restraining capabilities of these units may have been seriously impaired and, consequently, degraded the structural integrity of the steam and feedwater lines in question.

8/03030/3/

Corrective Action

During the present refueling outage, we plan to replace these units and others in the primary containment which still contain molded polyurethane seal material with units rebuilt exclusively with ethylene propylene material.

In our effort to develop a long-term solution to this problem, mechanical snubbers are being evaluated by the Generation Engineering Department as possible replacements for the hydraulic snubbers.

Failure Data

Manufacturer: Bergen-Paterson  
Type: HSSA-10  
Serial Nos.: 487530  
              487512  
              487519