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UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
101 MARIETTA ST., N.W., SUITE 3100
ATLANTA, GEORGIA 30303

DEC 20 1979

In Reply Refer To:
RII:JPO
50-395

South Carolina Electric and Gas Company
Attn: T. C. Nichols, Jr., Vice President
Power Production and System Operations
Post Office Box 764
Columbia, South Carolina 29218

Gentlemen:

The enclosed Circular No. 79-25, is forwarded to you for information. No written response to this Circular is required. If you require additional information regarding this subject, please contact this office.

Sincerely,

James P. O'Reilly
Director

Enclosures:
1. IE Circular No. 79-25
2. List of IE Circulars Recently Issued

1648 322

7912280 146

SSINS: 6830
Accession No: 7910250514

UNITED STATES
NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT
WASHINGTON, D.C. 20555

December 20, 1979

IE Circular No. 79-25

SHOCK ARRESTOR STRUT ASSEMBLY INTERFERENCE

The Bergen Paterson Pipesupport Corporation reported to the NRC a potential problem with their mechanical shock arrestor - "Strut Assembly." The Bergen Paterson, Part 2540 Strut Assembly, is being used as a rear bracket for different sizes of Pacific Scientific Company (PSCO) mechanical shock arrestors. Some of these shock arrestor sizes may not function as intended due to insufficient clearances. The following problems were identified:

For PSCO shock arrestors sizes 15 and 50, the Bergen Paterson Part 2540 Strut Assembly does not provide sufficient clearance for the shock arrestor to function freely, when installed at an off axis angle greater than 83°.

For PSCO shock arrestor size 120 there is insufficient clearance throughout the 180° installation angle.

For PSCO shock arrestor sizes 50 and 120 with Bergen Paterson Adaptor Part 2108 the shock arrestor unit may sustain functional damage when the adaptor unit comes in contact with the rear of the snubber, causing distortion of the end dust cover.

PSCO shock arrestors sizes -.35, -.65, 1.5 and 6 do not have this interference condition and therefore are not part of the potential problem of this circular.

Bergen Paterson stopped shipment as of October 1979 of all Part 2540-15, 2540-50 and 2540-120 Strut Assemblies and is reviewing all applicable design detail drawings, to identify all affected items and the facilities to which those items have been delivered.

Licensees and holders of construction permits are advised to proceed with the inspection of Pacific Scientific Mechanical Shock Arrestor installations with Bergen Paterson Part 2540-15, 2540-50 and 2540-120 Strut Assemblies and determine whether any of the following conditions are applicable:

1. The shock arrestor installation orientation presents a possible interference problem.

2. Inspection of shock arrestors 50 and 120 with adaptor show damaged or deformed snubber.

Corrective action should be coordinated with the Strut Assembly supplier (Bergen Paterson) and appropriate resolutions promptly implemented.

IE Circular No. 79-25
December 20, 1979

Enclosure

RECENTLY ISSUED
IE CIRCULARS

Circular No.	Subject	Date of Issue	Issued to
79-25	Shock Arrestor Strut Assembly Interference	12-20-79	All Holders of a Power Reactor OL or CP
79-24	Proper Installation and Calibration of Core Spray Pipe Break Detection Equipment on BWRs.	11/26/79	All Holders of a Power Reactor OL or CP
79-23	Motor Starters and and Contactors Failed to Operate	11/26/79	All Power Reactor Operating Facilities and Holders of Reactor CPs
79-22	Stroke Times for Power Operated Relief Valves	11/16/79	All Power Reactor Operating Facilities and all Utilities having a CP
79-21	Prevention of Unplanned Releases of Radioactivity	10/19/79	All holders of Power Reactor OLs and CPs
79-20	Failure of GTE Sylvania Relay, Type PM Bulletin 7305, Catalog 5U12-11-AC with a 12V AC Coil	9/24/79	All holders of Power Reactor OLs and CPs
79-19	Loose Locking Devices on Ingersoll-Rand Pumps	9/13/79	All Holders of Power Reactor OLs and CPs
79-18	Proper Installation of Target Rock Safety-Relief	9/10/79	All Holders of Power Reactor OLs and CPs
79-17	Contact Problem in SB-12 Switches on General Electric Company Metalclad Circuit Breakers	8/14/79	All Power Reactor Licensees with a CP and/or OL
79-16	Excessive Radiation Exposures To Members Of The General Public And A Radiographer	8/16/79	All Radiography Licensees
79-15	Bursting of High Pressure Hose and Malfunction of Relief Valve "O" Ring in Certain Self-Contained Breathing Apparatus	8/8/79	All Materials Priority I, Fuel Cycle and Operating Power Reactor Licensees