



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
611 RYAN PLAZA DRIVE, SUITE 1000  
ARLINGTON, TEXAS 76012

PDR:HQ  
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June 22, 1979

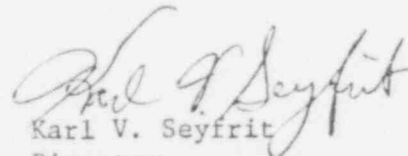
In Reply Refer To:  
Docket No. 50-112

The University of Oklahoma  
ATTN: Dr. Martin C. Jischke, Director  
School of Aerospace, Mechanical  
and Nuclear Engineering  
1000 Asp Avenue  
Norman, Oklahoma 73069

Gentlemen:

The enclosed IE Circular 79-09, is forwarded to you for information. If there are any questions related to your understanding of the suggested actions, please notify the contact listed in the enclosure to the circular.

Sincerely,

  
Karl V. Seyfrit  
Director

Enclosures:

1. IE Circular No. 79-09
2. List of IE Circulars  
Issued in Last  
12 Months

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

IE Circular No. 79-09  
Date: June 22, 1979  
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OCCURRENCES OF SPLIT OR PUNCTURED REGULATOR DIAPHRAGMS IN CERTAIN SELF-CONTAINED BREATHING APPARATUS

Description of Circumstances:

The Nuclear Regulatory Commission (NRC) has been informed by mailgram (copy enclosed) from the National Institute of Occupational Safety and Health (NIOSH) of the high rate of regulator diaphragm failures in the Scott Air Pak II/IIA and Presur-Pak II/IIA self-contained breathing apparatus. The failures, ranging from pin holes in the diaphragm to complete diaphragm rupture, have been identified in about 10 percent of the units by the NIOSH field survey. Tests of the Scott apparatus by NIOSH showed reduced respiratory protection in the Demand-Mode and a loss of service time (but no loss of protection) in the Pressure Demand-Mode.

Notice to Licensees:

Many major licensees use the types of Scott apparatus described above. Users of the devices should take the following action:

1. Establish a program for examination of the described respiratory devices in accordance with the enclosed NIOSH mailgram; or
2. Incorporate the provisions of the NIOSH mailgram into your current program for inspection of the described devices.

No written response to this Circular is required. If you require additional information regarding this subject, please contact the individual specified in the enclosed mailgram.

Enclosure:  
Mailgram

267 010

DUPLICATE DOCUMENT

Entire document previously entered into system under:

ANO 7906290237

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