



**LISEGA**  
LISEGA Inc  
375 Lisega Boulevard  
Newport, TN 37821

26 August 2004

Document Control Desk  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

RE: LISEGA Information Bulletin August 24, 2004

Attached please find a copy of an Information Bulletin recently sent to utilities that have LISEGA Hydraulic Snubbers installed.

This has been forwarded for information only.

Thank you,  
LISEGA Inc.

Robert E. Fandetti  
Director, Nuclear Sales

Attachment: Information Bulletin dated August 24, 2004

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10/1/04

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August 24, 2004

**LISEGA BULLETIN: 04-001**

**To: All customers who utilize LISEGA snubbers with AK350 fluid**

This letter serves as notification of some questions that have come to our attention regarding AK350 and its effects with radiation levels greater than  $1 \times 10^7$ .

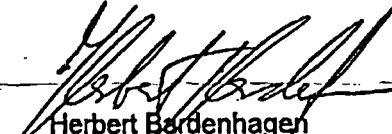
LISEGA has provided AK350 and AP280 to utilities in support of the different specification requirements. It has been LISEGA position that, even though AK350 has shown some gelation at radiation levels greater than  $1 \times 10^7$ , the snubbers will still act as a seismic device. This position is based on tests performed to the LISEGA snubbers at  $1 \times 10^8$ . Throughout these tests, LISEGA utilized AP280 fluid, knowing its effectiveness with the higher radiation levels (the start of gelation occurs at higher dose rates). This was done to demonstrate the integrity of the snubber as a whole (seals materials, wear bands, non-metallic parts, etc. that are utilized in all LISEGA snubbers). Dynamic tests were performed to demonstrate the overall effectiveness of the LISEGA snubbers at higher radiation levels. Based on this, LISEGA has evaluated the integrity of the snubbers to show that fluids will remain in the snubbers following a high exposure.

Recently, LISEGA received questions regarding the performance of snubbers with AK350 following a design basis accident (DBA) with radiation levels that exceeds  $1 \times 10^7$ . Through discussions with several customers, it appears that following a DBA, some thermal movements may occur however slight (at tenths of an inch over several hours up to several days). More specifically, how much thermal movement will be allowed by the snubbers utilizing AK350 at higher radiation rates.

Based on this inquiry, LISEGA is reviewing this issue and has initiated tests to help provide our customers information needed for their internal evaluation. It is LISEGA's prediction that its snubbers filled with AK 350 will accommodate these small thermal movements; however LISEGA hopes to substantiate this through the tests being performed. Once LISEGA has performed and evaluated the test results, further notifications will be made to help support your needs.

For additional information regarding this Bulletin, please contact Mr. Bob Fandetti  
– LISEGA Inc. at (423) 625-2000.

Sincerely,  
LISEGA



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Head of Quality Assurance  
LISEGA, AG



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Liseqa, Inc.

Cc: Document Control Desk  
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