

February 26, 1997

NOTE TO: Generic Assessment Panel
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Original Signed by

SUBJECT: REQUEST TO EVALUATE AND MAKE RECOMMENDATIONS ON
VIBRATION DAMAGE TO FIXED LEVEL/MEASURING GAUGES

The following is provided as a supplement to the information provided to the Generic Assessment Panel on January 28, 1997. The Sealed Source Safety Section has planned to meet to discuss any changes that may be necessary in Regulatory Guides 10.10 and 10.11, and in NUREG-1550. Although the safety evaluation process already includes an evaluation of vibration and other environmental and potentially limiting conditions, the meeting will stress the importance of fully considering these issues during the safety evaluation.

Recommendations regarding changes to licensing procedures are to include a provision that, during license review, staff should consider the environmental and use conditions proposed by the applicant with respect to any information contained in the registration certificate. Examples of environmental and use conditions to look for are temperature, humidity, corrosive atmospheres, pressure, and mounting height/method. Any instances where the proposed conditions exceed any conditions listed in the registration certificate should be addressed by the applicant. The applicant should provide sufficient information and justification to demonstrate that the use conditions do not impact the safety or integrity of the source or device. If the applicant is approved to use the source or device in conditions which exceed any listed in the registration certificate, this should be noted on the license. This should be considered during revision of fixed gauge licensing guidance as part of the 3 Year Plan.

In light of the fact that a revision of the format of inspection procedure documents is planned for the near future, it is suggested that the recommendations regarding changes to inspection procedures for fixed gauges be incorporated into the inspection procedures by IMOB at that time. A summary of the recommended changes to inspection procedures is contained in Attachment 1.

Attachment: As stated

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Recommended Changes to Inspection Procedures for Fixed Gauges

During inspection, staff should consider the actual environmental and use conditions under which the source or devices is operated or is subjected to and compare this to any information contained in the registration certificate, and in the license. Examples of environmental and use conditions to look for are pressure, vibration, mounting height/method, temperature, humidity, corrosive atmospheres, and corrosive chemicals including process materials and cleaning agents.