



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION III  
709 ROOSEVELT ROAD  
GLEN ELLYN, ILLINOIS 60137

MAY 14 1981

MEMORANDUM FOR: L. J. Cunningham, Chief, Reactor Radiological  
Safety Section, IE

FROM: L. R. Greger, Acting Chief, Facilities Radiation  
Protection Section

SUBJECT: EBERLINE AMS-3 CONTINUOUS AIR MONITOR

Attached you will find two letters from Dow Chemical dated March 24, 1981 and April 20, 1981, which describe an apparent problem with the o-ring seals of their AMS-3 continuous air monitor.

This matter was discussed with Eberline's regional representative on May 12, 1981. He agreed that o-ring maintenance was not mentioned in the technical manual but felt that inspection and maintenance of the o-rings was a matter of common sense. He also felt that the filter lock-in device (as Dow calls it) was probably not the cause of the problem since the filter holder will stay in place without it, if the o-rings are in good condition.

In our review of this matter, we have determined that o-ring inspection and maintenance may be a generic problem. We request that you examine this information to determine if it should be passed on to other users of this equipment. If you have any questions, please contact Paul Lovendale at 384-2638 or me.

L. R. Greger, Acting Chief  
Facilities Radiation  
Protection Section

Attachments: As stated