



*Lynch*

*Linking Source*

*Letter # 34-00639-030*

ATTACHMENT C

April 10, 1985

Mr. Don Sereniawski  
U.S. Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, IL 60137

Dear Mr. Sereniawski:

This is to confirm our telephone conversations of April 3 and April 9, 1985.

On April 3, 1985 I advised that we had discovered two leaking KR-85 sources. These are 3M Company sources, 3M Model 3E40, containing 200 mCi of KR-85.

We discovered the leaking sources when our customers advised us that the gages in which they were mounted were not functional. Examination of the gages revealed that the KR-85 gas had leaked from the source capsule. Both gage users - one in Texas and one in Washington - were advised of the problem and told to notify their state regulatory agency.

We have telephoned other users of these 3M sources and find that the gages are operating satisfactorily - so we are assured that those sources are not leaking. However, we have advised these users that there is a potential problem.

Over the past several years we have received five shipments of the 3M Model 3E40 totaling 12 sources. All of these sources were installed in gages and delivered to our customers. The various shipments are shown below:

Received from 3M	Number of Sources	Comment
November 5, 1980	1	Gage OK
March 18, 1981	4	All Gages OK
August 3, 1981	3	One source leaks.
August 4, 1982	3	One source leaks.
March 7, 1985	1	Gage OK

Both defective sources have been returned to 3M. They advise that the problem is a leak in the brazed seal between the "window" and the body of the capsule. The source received on March 7, 1985 has a laser welded window instead of the brazed seal.

We are now negotiating with other source capsule manufacturers to find suitable replacement sources. We intend to recall all of the gages using the 200 mCi,

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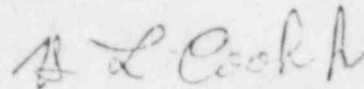
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3M Model 3E40, sources with the brazed windows and replace the original source capsules with source capsules from a different supplier.

If you need additional information please contact me.

Sincerely,

THE OHMART CORPORATION

A handwritten signature in dark ink, appearing to read "H. L. Cook, Jr.", with a stylized flourish at the end.

H. L. Cook, Jr.  
Radiation Safety Officer

HLC/njw