

**OmniSource***"The Best In Metals Recycling"*

7575 West Jefferson Blvd
Fort Wayne, IN 46804-4131
260-422-5541 www.omnisource.com

January 21, 2010

Mike Herr
Materials Licensing Branch
United States Nuclear Regulatory Commission
Region III
2443 Warrenville Road, Suite 210
Lisle, Illinois 60532-4352

Control Number: 318616

Dear Mr. Herr,

I am writing in response to your fax of January 17, 2010 regarding our request for an amendment to Materials License 13-32711-01 Section 8 for OmniSource, Fort Wayne, Indiana. Section 8 currently states "2 sources, not to exceed 43 mCi per source" may be on site.

As stated in the manufacturer's Radiation Safety Document (Rev. 020447) Section 2.1 - "The 'source' is the term used to describe what may actually be comprised of up to six individual sources, which may be simultaneously loaded." Each 'individual source' is made up of a single palladium (Pd) wire plated with Cf-252, that is sealed in two capsules, therefore it is a double encapsulated sealed source. The activity of an 'individual source' will not exceed 21.5 mCi.

Due to replenishment and temporary storage requirements, OmniSource would like to request a change to Section 8 to read:

8 "individual source" each with a maximum activity of 21.5 mCi
Combined "individual sources" not to exceed a total of 172mCi.

This amendment request is due to the necessary replenishment of sources after 2 years. The system is designed to hold multiple sources to reduce the exposure of the radiation worker by handling sources less often. The original sources remain in the instrument while an additional 2 sources are added. After, four years, another 2 sources are added for a total of 6 sources in the instrument (Figure 1). During the time of the third replenishment, 2 sources will be temporarily stored (Figure 2) while licensed engineers remove the six decayed sources. Thus, a total of 8 sources may be on site at any given time.



Figure 1

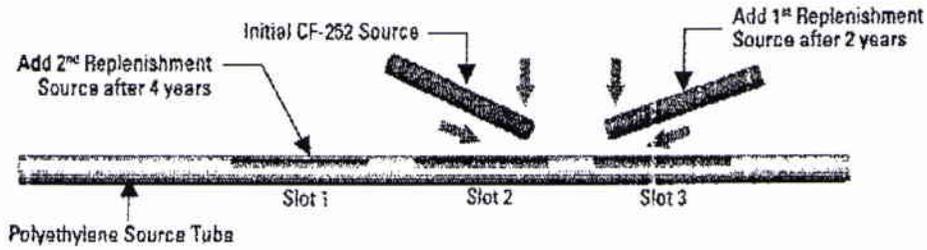
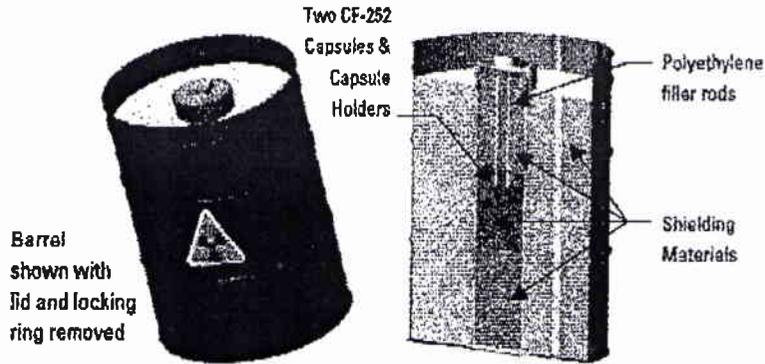


Figure 2

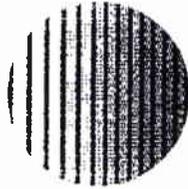


We acknowledge and understand that any change in the RSO for the license will require a formal request to the NRC through the amendment process.

Feel free to contact me at 260.427.5345 or via email at avelasquez@omnisource.com if you have any questions or need any additional information.

Sincerely,


Alex Velasquez
OmniSource



OmniSource

"The Best in Metals Recycling"

7575 West Jefferson Blvd, Fort Wayne, IN 46804

Phone: 1.800.666.4789 Fax:260.439.8137

Fax

To: Mr. Mike Herr From: Alex Velasquez 260.427.5345

Fax #: 630.515.1078 No. of Pages: 3

Phone #: _____ Date: 1-21-10

Regarding: CONTROL NUMBER 318616

Mr. Herr,

Please review the additional information you requested during our phone conversation Tuesday, January 19, 2010.

Regards,

Alex Velasquez
Quality Manager
OmniSource