



March 18, 2008

U. S. Nuclear Regulatory Commission
Region I
Materials Security and Industrial Branch
Division of Nuclear Materials Safety
475 Allendale Road
King of Prussia, PA 19406 - 1415

MS16
P-8

RECEIVED
REGION I
2008 MAR 21 AM 10:46

Attention: Ms. Judith A. Joustra
Senior Health Physicist

RE: **U. S. Silica Company - Corporate QA Laboratory**

03014788

Dear Ms. Joustra:

Reference is made to Materials License No. 47-09375-07, Mail Control No. 141275, and your correspondence of February 29. The following information is forwarded for your consideration.

1. **LICENSED DEVICE** – The GC device must be specifically licensed as required.
2. **MODEL NUMBER** – The sealed source (Nickel 63) model number is 02-001972-00.
3. **DEVICE USAGE** – The GC device will be used for testing in a corporate laboratory.
4. **DEVICE LOCATION** – 329 Sandmine Road, Berkeley Springs, West Virginia 25411.
5. **LICENSE RSO** – This will remain as currently licensed with Jack M. Pryor as the RSO.
6. **JENNIFER L. SCRIEVER** – Will use and supervise GC only. See enclosed summary.

A request is being made for the NRC to amend Materials License No. 47-09375-07, Conditions #6, #10, and #12. Advise if questions exist or if further information is needed after your review.

Sincerely,

U. S. SILICA COMPANY

Jack M. Pryor, P.E. , P.S. , QEP , CES
Senior Civil Engineer

/jmp
Enclosures

cc: J. A. Ulizio
J. L. Scriver
USS Environmental Database / USS Environmental Central Files

141275

NMSS/RGN1 MATERIALS-002

JENNIFER L. SCRIEVER

RADIATION EXPERIENCE AND TRAINING

Jennifer Scriver has been working at US Silica in a laboratory environment, for the past 13 years. The instrumentation proposed to be authorized on our NRC license that she works most closely with are the Gas Chromatograph and XRF. The gas chromatograph is used for testing pesticides. USS manufactures a product called Florisil and one particular grade of Florisil must pass the pesticide elution test which is based on the Mills Test from the Food and Drug Administration. The GC is a Varian model number CP-3800 and was installed in 2004. During the installation, Ms. Scriver received training on various parts of the instrument, including the sealed source electron capture detector (Isotope Ni 63 Model Number 02-001972-00). She performs a wipe test every six months to make sure there is no leakage. She also keeps a record of the tests and posts the results once received. Prior to the Varian instrument, she worked with a Perkin Elmer GC for six years. Training she received on this instrument was conducted by fellow employees. She also maintained the wipe tests for this instrument as well.

The XRF is manufactured by Bruker and was installed in 2005. This instrument is used for chemical analysis of USS products including silica, clay, and feldspar. Ms. Scriver has attended several classes in relation to this instrument including some offered at the ICDD in Philadelphia, PA. She most recently completed a service maintenance class offered by Bruker at their manufacturing facility in Madison, WI. The XRF at the corporate laboratory is maintained by her as well, making sure each employee who works with the instrument wears a badge at all times to check for possible leaks. These badges along with a control and an area monitor are provided by Landauer, Inc. and are sent back to them for analysis. Once the radiation dosimetry report is received it is posted and filed. She also has on file a Radiation Safety Manual provided by the teleconference training.

Both the XRF and GC are located at USS Corporate Laboratory, 329 Sandmine Road Berkeley Springs, WV 25411.

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