



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION III
2443 WARRENVILLE RD. SUITE 210
LISLE, IL 60532-4352

April 29, 2015

John Obey
Chief Geologist
Deep Bore Evaluators
3923 28th Street, SE
#113
Grand Rapids, MI 49512

Dear Mr. Obey:

We have reviewed your application dated February 25, 2015. We have determined that additional information is needed to complete our review. Please respond to the following.

1. In Item 3 of Form 314, you listed one location of use. If you plan to use radioactive material at this location, please provide a copy of the diagram indicate the areas of use and describe the surrounding areas. If you plan to use radioactive material at your temporary jobsites, please state.
2. Please provide a copy of the Delegation of Authority for the Radiation Safety Officer (RSO) (a sample is enclosed for your references). Additionally, please provide a copy of the document signed by the owner that you were authorized to sign the application dated February 25, 2015 on his behalf.
3. It appeared that the Emergency Procedures listed on page 36 of the application has not been completed. Please correct and resubmit your emergency procedures.
4. On page 37 of the application, you stated that if the source becoming lodged in a well, the lodging crew will use standard well logging "fishing" procedure to free the source. On page 43, you stated that if the source becoming lodged in a well, the logging crew will use conventional fishing method to retrieve the source. If you plan to retrieve your own source, please provide a copy of the procedures, identify individuals performing the source fishing operations and his/her training and experience. If the source retrieval operations will be performed by other authorized licensee, please state. Additionally, please commit that the RSO will be informed and has approved the source fishing operation prior to the performing of source fishing activities.
5. On page 17 of the application, you indicated that you would like to possess depleted uranium. However, we could not find any information regarding the use and the requested quantity in the application. Please describe.
6. 10 CFR 39.63(l) and 10 CFR 21.21 apply to a defect in the facility, activity or basic component. However, the "Procedures for Identity and Reporting Defects and Noncompliance to NRC" on page 43 of the application discussed about reporting criteria for deviations and failure to comply with Licensed Conditions and Regulations. The contents contradict with our policy; therefore, this procedure will be excluded from the application.

We request that you submit your response in writing to this letter by May 14, 2015. Your response must be **dated** and **signed** by an authorized personnel and please refer to Mail Control No. 586129 to facilitate proper handling in our office. We will resume the review upon receipt of your response. If you have any questions or require clarification on any of the information stated above, please do not hesitate to contact me at 630-829-9623 or frank.tran@nrc.gov.

In accordance with Title 10 Code of Federal Regulations 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Sincerely,



Frank P.D. Tran
Health Physicist
Materials Licensing Branch

Note: To expedite the process, your response could be faxed 630-515-1078