



August 24, 2010

Shirley Xu, Health Physicist
State Agreements & Industrial Safety Branch
Division of Materials Safety & State Agreements
Office of Federal & State Materials & Environmental Management Programs
US Nuclear Regulatory Commission
Washington, DC 20555-0001

Reference: Docket # 030-37764

Dear Ms. Xu:

In reference to your letter of August 3, 2010, the information requested was originally provided in, and as attachments to, my letter of April 7, 2009. Please note that the letter refers specifically to the Facility Work Instructions for the Thailand facility. That information was apparently deemed to be adequate by the previous license reviewer, as he had no further questions on that topic. However, should you need additional information over what those attachments contain, please let me know.

In reference to your statements regarding sampling protocols and validation that sampling is representative, it was my understanding from discussions on the original application that the US NRC would not issue a license for release of irradiated gemstones unless each irradiated gemstone is analyzed for residual radioactivity prior to release. Based on that requirement, all of our systems assume each gemstone is assayed, negating any consideration of representative sampling.

Please let me know if you need further information.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark A. Smith".

Mark A. Smith, CHP
Vice-President, Radiation Services

cc: W. Trevithick
C. Zinn