

From: [Ryder, Christopher](#)
To: [Gioulchen Tairova](#)
Subject: RE: Status of Guidance Development on Soluble Uranium Intake Values
Date: Wednesday, July 11, 2012 9:06:00 AM

Dear Dr. Tairova,

Regarding your question about the status of regulatory guidance on soluble uranium, I am currently reviewing a draft report of a NRC-sponsored study that will form the basis for a Regulatory Guide. The Guide will be published sometime next year. At this time, any discussion of quantitative limits is premature because the NRC staff is reviewing the results. Furthermore, the regulatory guide has yet to be developed.

The NRC study is in response to a study that was done by the nuclear industry:

Kathren, R. 2009. "Acute Chemical Toxicity of Uranium with Application to 10 CFR 70.61," The Kathren Group, Inc., Richland, WA.

For your convenience, I have attached a presentation that was given at our most recent Fuel Cycle Exchange meeting on the subject of the current effort.

Regards,

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From: Gioulchen Tairova [mailto:Gioulchen_Tairova@cameco.com]
Sent: Wednesday, July 04, 2012 2:45 PM
To: Ryder, Christopher
Subject: Status of Guidance Development on Soluble Uranium Intake Values

Hello,

For the last ten years we worked on various projects related to the solubility of radionuclides, including uranium compounds, in simulated lung fluid. We developed the new methodology using the latest related ICRP guidelines.

What are the latest accepted development at the US NRC (Status of Guidance Development on Soluble Uranium Intake Values)?

Thank you,

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