

From: Linton, Ron
Sent: Friday, August 29, 2014 11:56 AM
To: Jon Winter (USA - Casper) (Jon.Winter@uranium1.com)
Cc: Donna Wichers (USA - Casper) (Donna.Wichers@uranium1.com)
Subject: Uranium One USA, Inc., Willow Creek Project, request to redry dried Honeymoon, Australia yellowcake

Mr. Jon F. Winter
Director, Safety Health and Environment
Uranium One USA, Inc.
907 N. Poplar Street, Suite 260
Casper, Wyoming 82601

RE: Uranium One USA, Inc., Willow Creek Project, request to redry dried Honeymoon, Australia yellowcake

Jon:

During the management and concurrence process of the amendment request to redry dried Honeymoon, Australia yellowcake, two additional items were identified that need resolution.

1. U1 has proposed the classification of redried Honeymoon YC as translocation (i.e., "solubility") class Y (refer to the June 28, 2014 RAI-4(a) response) for radiation protection purposes. Class Y classification is conservative for the purpose stated. However, Uranium One has not addressed 10 CFR 20.1201(e) for soluble uranium limits.

Uranium One should commit to comply with the requirements in 10 CFR 20.1201(e).

2. Uranium One has reported that the Honeymoon yellowcake contains organic material that needs to be reduced/removed prior to shipping to a conversion facility. Yellowcake drums will be opened and handled at the drum tipping station in an enclosed area. Uranium One has not supplied an analysis on the possibility of accumulation of organic vapors at the drum tipping station and potential health and safety impacts, including respiratory or combustion concerns. Since the possibility of organic vapors were not discussed, the NRC staff cannot make a determination about this concern.

Uranium One should provide an analysis of effects, if any, from organic vapors that may emanate from organic material contained within the Honeymoon dried yellowcake in the drum tipping location. This analysis should discuss mitigation measures Uranium One may/will use to address the potential health and safety effects from organics in the yellowcake.

If you have any questions, please contact me.

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