

From: [Burrows, Ronald](#)
To: [Crow Butte \(Larry_Teahon@cameco.com\)](mailto:Crow_Butte_(Larry_Teahon@cameco.com))
Subject: RE: Approved alpha/beta survey programs with NUREG-1757, Vol. 2, Appendix O, methodology
Date: Monday, March 13, 2017 4:32:00 PM

Larry,

Found this document on the confirmatory survey performed by ORAU for the Humboldt Bay Power Plant. See discussions on survey procedures including material-specific background measurements in unaffected areas.

[View ADAMS Properties ML11209B538](#)
[Open ADAMS Document \(Confirmatory Survey Results for Portions of the Material and Equipment from Units 1 and 2 at the HBPP. 2029-SR-01-0.\)](#)

Regards,

Ron

From: Burrows, Ronald
Sent: Monday, March 13, 2017 10:17 AM
To: Crow Butte (Larry_Teahon@cameco.com) <Larry_Teahon@cameco.com>
Subject: RE: Approved alpha/beta survey programs with NUREG-1507 reference

Larry,

Had a little help from staff here.

You can find NUREG-1507 here:
<http://www.ornl.gov/PTP/PTP%20Library/library/NRC/NUREG/1507.pdf>

This is part of a larger reference source found here:
<http://www.ornl.gov/PTP/PTP%20Library/library/CDLINKS/mainmenu.htm>

Hope that helps.

Regards,

Ron

From: Burrows, Ronald
Sent: Monday, March 13, 2017 10:06 AM
To: Crow Butte (Larry_Teahon@cameco.com) <Larry_Teahon@cameco.com>
Subject: Approved alpha/beta survey programs

Larry,

Below are two approved programs that you may find useful. Note the discussions on

mixtures when determining total efficiencies. Two case are evaluated: pregnant lixiviant and aged yellowcake. The Strata SER has more detail. For the Lost Creek case, see the Lost Creek 2016 reference.

- Strata (Ross) ML15295A045 (Oct. 28, 2015: Amendment 4, remove LC 12.8)
- Lost Creek ML15279A572 (March 18, 2016: Amendment 4, remove LC 12.11)

I've been trying to find an online version of the final version of NUREG-1507 with no luck. I'll let you know if I find one.

Regards,

Ron

Ronald A. Burrows

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