

HLWYM HEmails

From: George Adams
Sent: Monday, June 21, 2004 6:29 PM
To: 'rnes@cnwra.swri.edu'
Subject: RE: Radionuclides...

Razvan,

The ones that I'm still missing are:
Rn-219, Rn-220, and Rn-222

Would you know what values to use for them and the Po-216/Rn-220.

George

-----Original Message-----

From: Razvan Nes [mailto:rnes@cnwra.swri.edu]
Sent: Monday, June 21, 2004 5:01 PM
To: George Adams
Subject: Radionuclides...

George,

The parent-daughter pairs are as follows: Ba-137m/Cs-137, Rh-106/Ru-106, Tl-208/Bi-212, Pa-234m/Th-234, Po-216/Rn-220, Ar-39/Cl-39, Kr-85/Kr-85m or Br-85. No inhalation DCF was found in the Federal Guide for any of the radionuclides situated before Kr-85 on the 85-atomic mass number radioactive decay chain, so for Kr-85 the inhalation DCF was considered zero.

However, the relative difference between the 8h dose calculated with 0.0 or 1.0E-44 inhalation DCF's and the dose calculated with parent's DCF's was, for our test case, of 2.2E-5 %.

Razvan

Hearing Identifier: HLW_YuccaMountain_Hold_EX
Email Number: 1477

Mail Envelope Properties (003101c457df\$2f618420\$18c8a281)

Subject: RE: Radionuclides...
Sent Date: 6/21/2004 6:29:15 PM
Received Date: 6/21/2004 6:24:50 PM
From: George Adams

Created By: gadams@cnwra.swri.edu

Recipients:
"rnes@cnwra.swri.edu" <rnes@cnwra.swri.edu>
Tracking Status: None

Post Office: PITOR

Files	Size	Date & Time
MESSAGE	930	6/21/2004 6:24:50 PM

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received: