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Goering, Darlene, NMENV

From: Paige Walton [paigewalton@msn.com]
Sent: Monday, January 30, 2006 3:30 PM
To: Goering, Darlene, NMENV
Subject: Re: Question

Hi Darlene -

For the risk assessment, tritium can be evaluated in either units. For soils, soil screening levels are developed in units of pCi/g. However, if the inhalation/vapor routes are to be evaluated, then units of pCi/ml are preferred. But as you allude to, they have to have moisture data to convert the units. If background is in terms of vapor (pCi/ml) then you would need the conversion using the soil moisture data. If they don't have moisture data, then they can not do any conversions and they would need to assume that 100% of the tritium is due to site activities.

Does this help?

Paige

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

From: Goering, Darlene, NMENV
To: Paige Walton
Sent: Monday, January 30, 2006 2:58 PM
Subject: Question

Paige,

I need to know if it matters whether or not LANL converts tritium from pCi/g to pCi/mL. I know the background values for tuff are in pCi/mL but they are carrying all tritium data forward to the risk assessment (not dropping anything based on comparison to background). Do the units need to be in pCi/mL for risk assessment? The soil moisture data is pending for some of the samples but not all. When they get it, I told them to convert the units so I can understand what the site contamination looks like relative to background. What do you think?

Darlene

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