Re: Fw: help with a CA725, need a lead number Hawkeye
Todd Phillips to: Mary Grisolano 07/30/2012 02:52 PM

Hi Mary,

The potential health risks from lead are evaluated differently than other contaminants because we account for multi-media exposure (i.e., air, drinking water, soil and dust, and dietary lead intakes) in predicting blood lead levels. As a result, it is difficult to determine a screening level for lead in surface water with any degree of certainty without characterizing the other sources of lead exposure. However, we did evaluate several different exposure scenarios using the IEUBK model and determined that exposure to a surface water lead concentration of 100 µg/L (the detection limit of lead in this study) falls within the EPA's health protection goal to ensure that children (<7 years old) would have no greater than a 5% chance of exceeding a blood lead concentration of 10 µg/dL. For example, if one assumes a child is exposed to 100 µg/L in surface water and lives at a residential property with a soil lead concentration of 200 mg/kg, then there is less than a 5% chance of exceeding a blood lead concentration of 10 µg/dL in children 0 to 84 months of age.

Please let me know if you have any questions.

Todd

Todd A. Phillips, Ph.D.
Environmental Assessment & Monitoring Branch
U.S. Environmental Protection Agency, Region 7
901 N. 5th Street
Kansas City, KS 66101
Phone: 913-551-7438
phillips.todd@epa.gov

Mary Grisolano Jeremy mentioned fish ingestion, it appears fro... 07/18/2012 10:57:56 AM

From: Mary Grisolano/R7/USEPA/US
To: Todd Phillips/R7/USEPA/US@EPA
Date: 07/18/2012 10:57 AM
Subject: Fw: help with a CA725, need a lead number Hawkeye

Jeremy mentioned fish ingestion, it appears from google maps that there is a lake near the site that the cre

The business is located at 1077 South 3rd Street in Manchester, Iowa.

mary

----- Forwarded by Mary Grisolano/R7/USEPA/US on 07/17/2012 02:36 PM -----

From: Jeremy Johnson/R7/USEPA/US
To: Mary Grisolano/R7/USEPA/US@EPA
Date: 07/16/2012 01:43 PM
Subject: Re: Fw: help with a CA725, need a lead number

I recommend talking to the human health risk assessors about a screening level for surface water. With surface water you'll want to consider fish ingestion. Likely incomplete, but work with the risk assessor.

RCRA
519029

Jeremy D. Johnson, Chief
Missouri and Iowa Remediation and Permitting Section
AWMD/WRAP
EPA Region 7
913-551-7510
johnson.jeremy@epa.gov

Mary Grisolano	Jeremy, the emails below are about Hawkeye C...	07/16/2012 01:07:39 PM
Mary Grisolano	wow that is low, the site is in Iowa.. the body is...	07/13/2012 10:36:10 AM
Venessa Madden	Mary - I can give you the chronic national ambie...	07/09/2012 10:49:57 AM
Michael Beringer	Could you two please coordinate on this issue a...	07/06/2012 12:36:21 PM