From: Stevens, Richard
To: "Lisa Williams"
Subject: RE: FW: 503 Regulations
Date: Monday, November 02, 2015 8:22:00 AM

Hi Lisa,

Following the public posting and comments we will most likely consider various risk management options for moly.

Currently, the data from O'Connor et al. (2001a) and elsewhere tend to support a pollutant concentration limit (Table 3) of around 40 mg Mo/kg DW to minimize the risk of molybdenum-induced hypocuprosis.

We could decide to do nothing and leave the number as is.

Rick

> **From:** Lisa Williams [mailto:lwilliams.wesi@gmail.com]
> **Sent:** Thursday, October 29, 2015 12:47 PM
> **To:** Stevens, Richard <Stevens.Rick@epa.gov>
> **Subject:** Re: FW: 503 Regulations
>
> Hey Rick,
>
> Quick question on the Risk Assessment for Mo, are you thinking anything significant will change there or just putting in a new Table 3 limit? Just wondering where the # may fall?
>
> Thanks
> Lisa Williams
>
> On Wed, Oct 21, 2015 at 9:04 AM, Stevens, Richard <Stevens.Rick@epa.gov> wrote:
>
> > **From:** Stevens, Richard
> > **Sent:** Wednesday, October 07, 2015 8:58 AM
> > **To:** 'Lisa Williams' <lwilliams.wesi@gmail.com>
> > **Subject:** RE: 503 Regulations
> >
> > Hi Lisa,
> >
> > I sent you a summary on 28-September; did you not receive it? Here is the summary I sent you.

Here are a few things going on:

Biennial Review

Biennial Review 2011 has been posted to our website: http://water.epa.gov/scitech/wastetech/biosolids/. BR 2013 is in progress and BR 2015 will start early next year.

Website Improvements

September 30 is an important milestone in EPA's five-year effort to change and significantly improve its public website (www.epa.gov). These changes take advantage of best Web practices and new technologies to help our Web visitors **find information faster and easier**. Here is some key information about the changes and improvements:

- Our website is now organized around environmental topics (500+ topics)
- We have rewritten our web pages to focus on our audiences and the information they are looking for (referred to as their 'top tasks')
- Information that is no longer updated, but is needed for reference, has been moved to an archive (http://archive.epa.gov)
- Our website's "look and feel" has been standardized now that we are using a Web content management system (WebCMS)

Learn more about the One EPA Web project
Learn more about these improvements
The revised Biosolids webpage is now live and is available at http://www2.epa.gov/biosolids

Risk Assessments for TNSSS Pollutants

We are addressing TNSSS pollutants, starting with the ten phase I pollutants (i.e., barium, beryllium, manganese, molybdenum, silver, pyrene, 4-Chloroaniline, fluoranthene, nitrate and nitrite).

These risk assessments have been peer reviewed and we are addressing peer review comments and revising the draft RA. Comment responses and a revised report will be circulated for internal review in October 2015. After that we will publish the risk assessment for public comment later this year. There will be a 60 day comment period after which we will need to respond to comments and make decisions as to what additional numeric standards are needed, if any. I don't have a definitive timeframe at this time for all this as priorities change and I often get called off to do other tasks. But, MO and the other Priority I chemicals have lingered long enough, so I am doing my best to get this done.

Once past these ten, we will screen (using the BCRAM Screening Tool in development) the balance of the 135 TNSSS pollutants, where sufficient data

exist.

Biosolids Core Risk Assessment Model Screening Tool

EPA is developing the Biosolids Core Risk Assessment Model Screening Tool (BCRAM Screening Tool). The BCRAM screening tool is an easy-to-use multimedia, multipathway, multireceptor screening-level deterministic model that estimates high-end human and ecological risk based on potential exposures associated with land application of biosolids. The Tool can also calculate the allowable concentration of a constituent in biosolids that will result in a management level risk.

Screening level risk assessment results can be used to identify pollutants, pathways, and receptors of greatest interest and inform decisions about the need to perform more refined modeling or to address data gaps or uncertainties. This model has been peer reviewed and later this year we will begin refining the developing model based on comments received.

Rick Stevens
202-566-1135

From: Lisa Williams [mailto:lwilliams.wesi@gmail.com]
Sent: Wednesday, October 07, 2015 8:52 AM
To: Stevens, Richard
Subject: Re: 503 Regulations

Hey Rick,
Just checking back to see when you might have a chance to send me your overview and update.
Thanks
Lisa

On Tue, Sep 22, 2015 at 10:09 AM, Lisa Williams <lwilliams.wesi@gmail.com> wrote:

Hi Rick,
This is Lisa Williams, I hope all is well on your end. I am working on a review of both state (mid-Atlantic area) and federal biosolids regulatory updates and was wondering if you could help me a bit.

Are there any upcoming updates/proposed changes to the 503 rules? I didn't see the 2013 Biennial Report on the EPA website. Any information from your end would be greatly appreciated.

Thanks again,

Lisa Williams
Williams Environmental Services, Inc.

410-241-1654