

Carey, Angela J - DNR

From: Neal, Conor <Neal.Conor@epa.gov>
Sent: Wednesday, March 14, 2018 10:26 AM
To: Jeff Danko
Cc: Carey, Angela J - DNR; Joseph Janeczek; Richard L. Mator; Ryan Suennen; Ziegelbauer, Heather/MKE
Subject: RE: Dye Test Alternative Pilot Work Plan - Extension Request - Tyco Fire Products LP site

Follow Up Flag: Follow up
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Jeff,

Thank you for the update on the DGT work plan progress. Based on our conversation, EPA approves of the extended deadline for submittal of the work plan to March 30, 2018.

As I mentioned yesterday, based on EPA's literature review, Tyco should proceed with using the DGT passive samplers. However, based on that review, EPA compiled the following comments that should be discussed in the work plan.

- The literature indicates that ferrihydrite and metasorb are both capable of sorbing inorganic arsenic, but sorbing organically bound arsenic is less reliable. What media will be used in the sampler? Will both organic and inorganic species of arsenic be measured? EPA recommends testing sorption into the selected media using contaminated groundwater or by placing a DGT sampler in a monitoring well.
- How long will the samplers be deployed? Samplers should be deployed until equilibrium between the binding gel and surrounding media is reasonably expected to have occurred. This may be different for samplers deployed in sediment vs those deployed against the wall.
- What will the thickness and pore size of the binding gel be?
- How will the DGT samplers be secured to the wall? For measurement of possible groundwater flow through the wall, it will be important that the DGT samplers are not measuring surface water. The DGT samplers should be secured and sealed to the wall to prevent interaction of surface water with the binding gel.

Please let me know if you have questions or would like to discuss the comments.

Thank you,
Conor
312-886-7193

From: Jeff Danko [<mailto:jeff.danko-ext@jci.com>]
Sent: Tuesday, March 13, 2018 2:38 PM
To: Neal, Conor <Neal.Conor@epa.gov>
Cc: Angie Carey (Angela.Carey@wisconsin.gov) <Angela.Carey@wisconsin.gov>; Joseph Janeczek <joseph.janeczek@jci.com>; Richard L. Mator <richard.mator@jci.com>; Ryan Suennen <ryan.suennen@jci.com>; Ziegelbauer, Heather/MKE <Heather.Ziegelbauer@CH2M.com>
Subject: Dye Test Alternative Pilot Work Plan - Extension Request - Tyco Fire Products LP site

Conor:

Pursuant to our discussion today, Tyco Fire Products LP is formally asking for an extension on delivery of the work plan for the DGT pilot testing to be conducted at the referenced site. Our technical contractor, CH2M (Jacob), is currently working with the project laboratory on finalizing the testing and evaluation approach for the program, information to be incorporated in the work plan. It is anticipated that the information from the laboratory will be available next week; therefore, considering incorporation of the information and internal review of the document, it is proposed that a final document be submitted to you on March 30, 2018. We appreciate your consideration of our request and look forward to an affirmative response. Should you have any questions, please do not hesitate to contact me.

Jeff Danko

Environmental Project Geologist

262-951-6888