From: Williams, Jonathan
To: Kelly Wright
Cc: McDonnell, Kimberlee
Subject: RE: FMC WUA Pre-Conditioning Activities Update and Proposed Boring Plan
Date: Thursday, May 05, 2016 11:11:16 AM

Thanks for the voice mail messages earlier this morning. Sorry to have missed your calls. My commute to work this morning included riding the bus from 7 am until it was hopelessly stuck in traffic, and then walking the remaining four miles or so to work. I arrived about 9:30 am.

I believe your e-mail includes aspects of two different, albeit related, topics within the WUA.

1) FMC's 4/21/16 request to EPA to advance two borings to 10 feet in depth for soil moisture measurements.

2) The Tribes' request to EPA for a cultural resource survey prior to additional soil excavation within the WUA.

My e-mail was about the first topic. It's more time-critical, and I would like to discuss it with you and/or your cultural resources staff as soon as possible. Thanks.

Jonathan Williams, LHG
Remedial Project Manager
U.S. Environmental Protection Agency
1200 Sixth Avenue, Suite 900, ECL-122
Seattle, WA 98101
Telephone: (206) 553-1369
E-mail: williams.jonathan@epa.gov

From: Kelly Wright [mailto:kwright@sbtribes.com]
Sent: Thursday, May 05, 2016 8:14 AM
To: Williams, Jonathan
Cc: McDonnell, Kimberlee
Subject: RE: FMC WUA Pre-Conditioning Activities Update and Proposed Boring Plan

Jonathan, after talking with the Cultural Staff, they said no. However, they are available to conduct the survey in accordance with the SHPO. It would be a couple of days for the complete survey with a letter following immediately after. It would be about one month or longer depending upon the SHPO review before a complete document can be released.

I asked about the hand auger component and was told no. They needed to do a survey before any ground disturbance.

Kelly

From: Williams, Jonathan [mailto:Williams.Jonathan@epa.gov]
Sent: Wednesday, May 04, 2016 4:40 PM
To: Kelly Wright <kwright@sbtribes.com>
Cc: McDonnell, Kimberlee <McDonnell.Kimberlee@epa.gov>
Subject: RE: FMC WUA Pre-Conditioning Activities Update and Proposed Boring Plan

I can be available tomorrow morning before the remedial action construction meeting. That meeting is scheduled to begin at 10 am Mountain Time.

What FMC has requested is EPA's go-ahead to advance two small-diameter borings to a depth of 10 feet in order to measure soil moisture in an areas which have been watered.

Jonathan Williams, LHG
Remedial Project Manager

U.S. Environmental Protection Agency
1200 Sixth Avenue, Suite 900, ECL-122
Seattle, WA 98101
Telephone: (206) 553-1369
E-mail: williams.jonathan@epa.gov

From: Kelly Wright [mailto:kwright@sbtribes.com]
Sent: Wednesday, May 04, 2016 2:34 PM
To: Williams, Jonathan <Williams.Jonathan@epa.gov>
Cc: McDonnell, Kimberlee <McDonnell.Kimberlee@epa.gov>
Subject: Re: FMC WUA Pre-Conditioning Activities Update and Proposed Boring Plan

Sorry Jonathan I'm in a meeting today. Are you available tomorrow morning? I'm waiting for our Cultural folks to get back with me.

Sent from my iPhone

On May 4, 2016, at 2:53 PM, Williams, Jonathan <Williams.Jonathan@epa.gov> wrote:

> Kelly:
> I've called to discuss this request from FMC and left you voicemail messages. As you may recall, a high-priority action item in response to the April 28, 2016 remedial action construction meeting, that we both attended, was for us to discuss this request. Please telephone me so that we can discuss FMC's request to advance these two borings in order to take soil moisture measurements to a depth of 10 feet. Thanks.
> Jonathan Williams, LHG
> Remedial Project Manager
> U.S. Environmental Protection Agency
> 1200 Sixth Avenue, Suite 900, ECL-122
> Seattle, WA 98101
> Telephone: (206) 553-1369
> E-mail: williams.jonathan@epa.gov
>
> **From:** Rachel Greengas [mailto:Rachel.Greengas@fmc.com]
> **Sent:** Thursday, April 21, 2016 3:09 PM
> **To:** Williams, Jonathan <Williams.Jonathan@epa.gov>
> **Cc:** Kelly Wright <kwright@sbtribes.com>; susanh@ida.net; Scott Miller <scott.miller@deq.idaho.gov>; Wayne.Crowther@deq.idaho.gov; Doug Tanner <Douglas.Tanner@deq.idaho.gov>; Michele Benchouk <benchouk_michele@bah.com>; (b) (6) Cliff Merrill <Cliff.Merrill@akana.us>; Tim Norman <Tim.Norman@akana.us>; McDonnell, Kimberlee <McDonnell.Kimberlee@epa.gov>; Rob Hartman <Rob.J.Hartman@mwhglobal.com>; Christina Kaba <Christina.Kaba@fmc.com>
> **Subject:** FMC WUA Pre-Conditioning Activities Update and Proposed Boring Plan
>
> Jonathan-
> Envirocon has proceeded with pre-conditioning of the WUA consistent with the email sent to EPA on March 21, 2016 and subsequent email approval from EPA received on March 23, 2016. Pre-conditioning activities using a sprinkler system commenced on March 24, 2016. To date no intrusive activity has been performed in the WUA. FMC's contractor,

Envirocon, performed geotechnical calculations to confirm the extent of required pre-conditioning (i.e., amount of water required to infiltrate to a ten foot depth). These calculations have limitations, however, and now in-place data is required to determine the moisture content of the soil. Over-wetting is a concern because drying out these materials may be difficult given their soil properties. Consequently, as discussed during the pre-construction meeting, FMC is seeking approval to perform test pits/soil borings in this area to determine the moisture content of the soil and if additional wetting is required. The attached map provides the locations of the proposed test pits/soil borings.

FMC understands that EPA has requested no intrusive activity within the WUA pending discussions associated with a potential Cultural Resources Survey. However, as discussed during the Pre-Construction Meeting, obtaining this geotechnical data is essential to determine the moisture content of the soil. Based upon these considerations, FMC proposes to have Envirocon perform soil borings (as opposed to the more typical test pit method) utilizing a Geoprobe rig. This would minimize any disturbance to the area. If approved, borings will be advanced to a depth of 10-feet and soil samples will be obtained for geotechnical testing. Envirocon would like to perform these borings within a week to determine if additional pre-conditioning is required.

In addition, as a follow up to our Progress Meeting yesterday, FMC is notifying EPA that in approximately three days, Envirocon will move its pre-conditioning activities (including relocation of the sprinkler system) to another approximate 10-acre area within the WUA. Currently, Envirocon is pre-conditioning in the southwest quadrant of the WUA. Envirocon intends to shift the sprinkler system approximately 100-feet to the East of its current location (as shown on the attached map). As confirmed by visual observations, the proposed preconditioning area has surface conditions similar to the area currently being wetted.

Please let me know if you have any questions or comments on any of the above items.

Rachel

Rachel Greengas, PE
Remediation Manager
FMC Corporation
1735 Market Street
Philadelphia, PA 19103
P: 215-299-6550
C: 215-514-7195
E: rachel.greengas@fmc.com

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