

**From:** [Moen, Trevor J - DNR](#)  
**To:** [Neal, Conor](#)  
**Cc:** [DuFresne, Kristin I - DNR](#); [Austin, Brian P - DNR](#)  
**Subject:** RE: Dye Testing Pilot Proposed Scope of Work - Tyco Fire Products LP site  
**Date:** Friday, July 07, 2017 1:58:28 PM

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Hello Connor,

I have the following comments on the dye testing pilot test scope:

1. How many samples will be taken per transect and how far apart will they be?
2. The department recommends taking a wider transect in turning basin due to uncertainty of flow direction.
3. How will samples be collected without interfering with the plume in the river?
4. The wastewater program recommends using 4 or more fluorometers (minimum of 3) per transect to capture the true nature of the plume bell curve (Gaussian distribution).
5. The wastewater program recommends doing each test one at time as the cumulative loadings of dye may exceed the SAV in the river.

Please let me know if you want to discuss these comments prior to submitting them to Jeff Danko and conference call with Tyco.

Regards,

*Trevor Moen*

**Trevor Moen, E.I.T.**

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**From:** Neal, Conor [mailto:Neal.Conor@epa.gov]  
**Sent:** Wednesday, July 05, 2017 3:27 PM  
**To:** Austin, Brian P - DNR  
**Cc:** Moen, Trevor J - DNR; DuFresne, Kristin I - DNR  
**Subject:** FW: Dye Testing Pilot Proposed Scope of Work - Tyco Fire Products LP site

Brian,

We should discuss the contents of this pilot test outline, particularly the second consideration listed at the end:

“Proposed pilot test will not assess dye behavior in groundwater, so assumptions about

groundwater system used in calculations will remain.”

Can we talk this week in advance of our conference call with Tyco next week?

Conor

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**From:** Danko, Jeff [<mailto:jdanko@tycoint.com>]  
**Sent:** Wednesday, July 05, 2017 12:36 PM  
**To:** DuFresne, Kristin I - DNR <[Kristin.DuFresne@wisconsin.gov](mailto:Kristin.DuFresne@wisconsin.gov)>; Neal, Conor <[Neal.Conor@epa.gov](mailto:Neal.Conor@epa.gov)>; Moen, Trevor J - DNR <[Trevor.Moen@wisconsin.gov](mailto:Trevor.Moen@wisconsin.gov)>; Stanek, Mark F - DNR <[Mark.Stanek@wisconsin.gov](mailto:Mark.Stanek@wisconsin.gov)>; Austin, Brian P - DNR <[Brian.Austin@wisconsin.gov](mailto:Brian.Austin@wisconsin.gov)>  
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**Subject:** Dye Testing Pilot Proposed Scope of Work - Tyco Fire Products LP site

All:

Attached for your review is a proposed scope of work for the dye testing pilot to be completed in the Menominee River near the Tyco site. The document outlines the proposed approach and is submitted as information for our upcoming (and yet to be scheduled) discussion/conference call regarding the pilot test. Please contact me with any questions or comments you may have prior to our call.

***Jeff Danko***

Environmental Project Geologist  
262-951-6888

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