

From: Scherbert, Lynn <scherbtrl@AyresAssociates.com>
Sent: Thursday, February 8, 2018 2:47 PM
To: Beggs, Tauren R - DNR
Subject: RE: Follow Up to Today's White and Lesperance Properties Meeting

Thank you for the meeting information Tauren that was helpful all around, you put a lot of time into that. I think in the next few weeks some additional discussions will be held to keep things moving and there also seemed to be support for trying for some additional SAG funds so I'll tap your support for that if they want to move forward.

Lynn

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From: Beggs, Tauren R - DNR [<mailto:Tauren.Beggs@wisconsin.gov>]
Sent: Thursday, February 08, 2018 2:38 PM
To: gerryneuser@co.manitowoc.wi.us; Scherbert, Lynn <scherbtrl@AyresAssociates.com>
Cc: Fitzpatrick, William - DNR <William.Fitzpatrick@wisconsin.gov>; Bougie, Cheryl - DNR <Cheryl.Bougie@wisconsin.gov>; Richard Carey <rcarey@mwcorp.com>; Peter Conrad (PeterConrad@co.manitowoc.wi.us) <PeterConrad@co.manitowoc.wi.us>; Jill Zich (JillZich@co.manitowoc.wi.us) <JillZich@co.manitowoc.wi.us>
Subject: Follow Up to Today's White and Lesperance Properties Meeting

Good afternoon,

It was nice to meet with everyone again for these two environmental cases! Thanks for setting up the projector for me and for all your feedback and ideas. It was also good to get your ideas on redevelopment, so we could brainstorm on options and potential resources.

As follow up to our discussion, please refer to the below emails provided by DNR staff for complete details on the requirements for sediment assessment for the White Property. To summarize:

- Submit sampling plan to DNR for review since sediment sampling is needed to assess the contamination found in the previous EPA assessment at the S-02/S-03 location off-shore from the White Property.
 - 3 cores off-shore of the White property and one core from a background location above local areas with possible contamination such as the MGP site and the U.S. Oil property
 - Segmentation of sediment cores for analysis
 - Chemical analyses should include lead, zinc, chromium, antimony, BTEX, PAHs and percent solids
 - Follow NR 347 for the sampling and analysis plan, guidance attached
- This assessment will indicate if the needs of the SI have been met or more information is needed.

The Lesperance Property does not require sediment assessment, so the site investigation is complete. I will put together the site investigation approval letter for this site and get that issued. This site can then proceed to the next step, a remedial action plan and remedy for the site.

As discussed, for natural attenuation evaluation, additional round(s) of groundwater monitoring will be needed to establish contaminant trends for both sites. This is included as part of the remedies for the sites.

Lynn, I know Bill Honea, who worked on the site investigation soil and groundwater figures, had a couple questions on how to indicate site-wide PAH and metal contamination in soil and how to address metal contamination in groundwater on the figures. I can work with him on those tweaks to the figures as we proceed with these cases.

If you have any questions, please let me know. Please contact either Bill Fitzpatrick or Cheryl Bougie if you have questions about sediment sampling.

Thanks,

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Tauren R. Beggs

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From: Bougie, Cheryl - DNR

Sent: Monday, January 29, 2018 1:26 PM

To: Fitzpatrick, William - DNR <William.Fitzpatrick@wisconsin.gov>

Cc: Beggs, Tauren R - DNR <Tauren.Beggs@wisconsin.gov>

Subject: RE: Two Rivers White property SI sediment reconnaissance

Yes of course! Thanks for the added clarification.

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Cheryl A. Bougie

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From: Fitzpatrick, William - DNR

Sent: Monday, January 29, 2018 1:18 PM

To: Bougie, Cheryl - DNR <Cheryl.Bougie@wisconsin.gov>

Cc: Beggs, Tauren R - DNR <Tauren.Beggs@wisconsin.gov>

Subject: RE: Two Rivers White property SI sediment reconnaissance

Cheryl

All good points, I agree.

For clarification on your SAP comments; I think you meant to say that the SAP should **also include** the use of a **continuous** coring device, decontamination of equipment, proper handling of samples, and use of a certified laboratory. There may be other items a consultant may wish to include or other info we may ask for following review of the SAP.

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From: Bougie, Cheryl - DNR

Sent: Monday, January 29, 2018 9:08 AM

To: Fitzpatrick, William - DNR; Beggs, Tauren R - DNR

Subject: RE: Two Rivers White property SI sediment reconnaissance

Good morning Bill/Tauren,

Thank you for the great summary for the White property. I concur with your recommendations for sediment sampling & analysis, including the parameters listed. **The only items I would have them include** in the sampling & analysis plan are: use of a **continuous** coring device, decontamination of equipment, proper handling of samples, and use of a certified laboratory. They can refer to NR 347 Guidance (attached) for these items. It would be nice if we could see the sample locations before sampling—we could then check potential impacts to the reference/background sample in particular.

It appears the WPSC will have limited samples for metals analysis, however, it think the *sites* should be handled independently, as Bill suggested.

Thanks,

Cheryl

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From: Fitzpatrick, William - DNR
Sent: Friday, January 26, 2018 11:31 AM
To: Beggs, Tauren R - DNR <Tauren.Beggs@wisconsin.gov>; Bougie, Cheryl - DNR <Cheryl.Bougie@wisconsin.gov>
Subject: Two Rivers White property SI sediment reconnaissance

Tauren & Cheryl

If the county wishes to pursue closure of the White property the Department would request information that would tell us if the property in the past had discharged deleterious substances to the river. We suspect a past discharge to the river may have occurred due to land use and past spill responses at the property.

From what we know a first step to assess if the site had impacted the river would be to perform a reconnaissance of the sediment in the river by collecting and analyzing sediment cores. The cores should be collected in conformance with a sampling plan submitted by the county to the Department. Our thoughts at this point would be that 3 cores would be collected off shore of the White property and one core from a background location above local areas with possible contamination such as the MGP site and the U.S. Oil property. Segmentation of the cores should follow the procedures in NR 347.06 which specifies segmentation by distinct strata. If there is no visually distinct strata we would recommend segmentation by the following intervals: 0-6 inch, 6-18 inches, then 2 foot intervals to refusal. Chemical analyses should include lead, zinc, chromium, antimony, BTEX, PAHs and percent solids.

The results of the sediment analyses may help to inform the Department in decision-making on a closure request. The results may indicate that the needs of the SI have been met or more information is needed.

Cheryl, feel free to adjust the chemistry parameters if you see a need for more or different analyses.

-Bill

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