

From: Lynch, Edward K - DNR
To: rsmith@kuresources.com
Cc: [Saari, Christopher A - DNR](#); [Fassbender, Judy L - DNR](#); [Robinson, John H - DNR](#); [Schoen, Jill M - DNR](#); [Morris, John M - DNR](#)
Subject: RE: Koppers Wood Treating Site
Date: Friday, July 14, 2017 5:47:04 PM

Hello Rob, Thanks for your patience on this matter, I apologize for the delay. As far as doing this work, I do not believe an approval from the department is needed. However, here are some questions/comments we would like you to consider for your proposed drip pad investigation:

- Will the proposed concrete coring locations be biased to areas with surface cracks, or will it be a more even spacing as depicted on Figure 1 of the proposal? Biased sampling would likely lead to a more accurate reflection of the presence of contaminants within and beneath the drip pad.
- What method(s) will be used to collect the soil samples from beneath the drip pad? Based on the description provided, 6 inches of ballast with embedded railroad ties is present between the drip pad and native soil. Attempting to collect soil samples through that substrate with standard hand methods (while confined to the holes cored through the concrete) would seem to be a difficult proposition. The Department recommends that you consider the use of direct-push technologies (e.g., Geoprobe) as your soil sample collection method.
- During the on-property remedial investigation conducted by Beazer, their consultant identified a list of contaminants of concern (COCs) in soil that included polynuclear aromatic hydrocarbons (PAH), phenolics (including pentachlorophenol), and polychlorinated dibenzo-p-dioxins/polychlorinated dibenzofurans (PCDDs/PCDFs). The soil samples collected from beneath the drip pad should be analyzed for the same list of COCs.
- A more complete description of the concrete core patching/sealing process should be provided. The drip pad currently serves as a barrier to direct contact and infiltration, and you will need to document that your proposed coring activities do not interfere with either of these functions in the future.

When you have completed this project, please provide the information to Chris Saari and Jill Schoen.

Sincerely,

- Ed

BTW – This is my last day with the DNR. In the future, you should contact Chris Saari. Chris is the project manager for the department. At present we still have not filled our vacancy that covers this region.

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Edward K. Lynch, PE, Chief

Hazardous Waste Management Section

Phone: (608) 267-0545

From: Rob Smith [mailto:rsmith@kuresources.com]
Sent: Monday, May 08, 2017 11:51 AM
To: Lynch, Edward K - DNR
Subject: Koppers Wood Treating Site

Hello Ed: We spoke about a month ago about the work that Mr. Ashenbrucker had left behind.

We discussed this on the phone and then I sent you a copy of the Work Plan that Koppers was hoping to implement in order to address the presence or absence of historic wood treating constituents beneath the former drip pad.

Has this project been handed off yet? Is there someone I can contact to discuss implementation?

Thanks for your help.

Best regards.

Robert T. Smith, LRS
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