State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
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August 3, 2020

Mr. Mike Bollinger Beazer East, Inc. c/o Three Rivers Management, Inc. 600 River Avenue, Suite 200 Pittsburgh, PA 15212

Subject: Review of Updated Site Investigation Figures

Former Koppers Tar Plant and Wabash Alloys Site 9100 South 5<sup>th</sup> Avenue, Oak Creek, WI 53154 FID #: 241379050; BRRTS #: 02-41-553761

VPLE BRRTS #: 06-41-561509

City of Oak Creek Utility Corridor Lot 1 9170 South 5<sup>th</sup> Avenue, Oak Creek, WI 53154 FID #: 341074470; BRRTS #: 02-41-561425

VPLE BRRTS #: 06-41-561426

## Dear Mr. Bollinger:

The Wisconsin Department of Natural Resources (DNR) has completed a preliminary review of Beazer's updated site investigation figures as received on June 11, 2020. The DNR has identified numerous instances where it appears site data has not been accurately depicted on the figures. A full review of all information has not been completed by the DNR, as multiple issues need to be addressed. The DNR is requesting that Beazer revise the figures and reevaluate the information collected to date to ensure that it is presented accurately prior to the DNR continuing its review of the data.

The DNR has provided the attached document to provide examples of the following issues:

- Tar identified in boring logs has not been accurately and/or consistently identified in the tar observation figures, isoconcentration maps, and cross-section figures.
- The degree and extent of impacts in multiple locations is not adequately defined to meet the requirements for VPLE, to move forward with the selection of a remedial alternative, or to complete a remedial design. In many instances, there are several hundred feet between data points which will make development of an acceptable remedial design challenging, especially with respect to estimating quantities and costs. It is possible that other lines of evidence could be presented in these areas to provide adequate information to move forward without additional site characterization information obtained through further sampling. The DNR requests that Beazer evaluate the information available in the identified areas and provide evidence, if available, to better define the conditions in the identified data gap areas. In the areas where direct observation, sample analysis results, or other lines of evidence are not available to support the delineation of the extent of impacts, additional data collection may be recommended as remedial design activities.



• Several locations have been identified as having high levels of contamination that appear to be independent of adjacent areas of impacts. Provide conceptual site model type information to explain the origins and justify the separation of these high concentration areas.

Please update the figures to address these issues or provide information to describe why revisions are not required. Also, conduct a detailed review of the information previously provided to identify any other areas that warrant revision. DNR's review was not all inclusive as it appears that further review should be completed by Beazer to address inconsistencies in data interpretation prior to the DNR completing its review. Providing this information will assist the DNR in review and approval of the site investigation and remedial action plan. Going forward, naphthalene must be considered as a primary contaminant of concern and incorporated within the evaluation of remedial options.

Once Beazer's review of the data is completed, resubmit the figures and provide a summary of any changes made to the revised documents. In addition, in areas identified as not having adequate direct evidence of the nature and extent of impacts, provide other lines of evidence to support the extent of contamination defined on the figures, with supplemental text as necessary. The DNR will complete its review of the documents after this information is provided. The DNR is requesting submittal of this information within 30 days, by September 3, 2020.

If you have any questions regarding this letter, please contact me at 414.263.8639 or at <a href="mailto:eric.amadi@wisconsin.gov">eric.amadi@wisconsin.gov</a>.

Sincerely,

Eric Amadi - Hydrogeologist

Eric Amadi

Remediation & Redevelopment Program

SER - Milwaukee Service Center

## Attachment:

DNR Review of Beazer Figures (July 31, 2020)

cc: Mike Slenska – Beazer (electronic)

Mike Noel - Tetra Tech (electronic)

SER Case File #: FID #: 241379050; BRRTS #s: 02-41-553761 / 06-41-561509 SER Case File #: FID #: 341074470; BRRTS #s: 02-41-561425 / 06-41-561426

## **DNR Review of Beazer Figures** (July 31, 2020)

This document summarizes information requested by the DNR after review of Beazer's updated site investigation figures received on June 11, 2020. The purple "X" indicates specific areas where additional information is requested.











