

From: Dombrowski, Frank J <frank.dombrowski@wecenergygroup.com>
Sent: Monday, November 15, 2021 10:29 AM
To: Krueger, Sarah E - DNR
Cc: Andrew G Cawrse (Andrew.Cawrse@ramboll.com); Brian Hennings (Brian.Hennings@ramboll.com)
Subject: Former We Energies Appleton MGP - Proposed Next Steps Regarding Lawrence University Property
Attachments: Figure 1_Well_Locations_2104.pdf

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Hi Sarah,

As discussed during our October 6th meeting, we have evaluated potential paths forward with regard to the contaminants observed at the Lawrence University property. Forensic analysis of the groundwater from wells at both the Appleton MGP site and Lawrence University property is proposed to determine if the impacts observed at the property may be related to the release at the former MGP site. The goals of the analyses would be to 1) evaluate whether the samples from the affected well MW-3 are similar or different from the on site and nearby water samples, and 2) to determine the nature of the potential source materials that may have affected the Lawrence University well.

Prior to the start of the field activities, an access agreement will need to be negotiated with Lawrence University. After an agreement is executed, groundwater samples will be collected from Appleton MGP monitoring wells MW-22, MW-24, and MW-12R. The sample from well MW-12R is considered representative of dissolved phase impacts within the former MGP and wells MW-22 and MW-24 are the nearest MGP site wells upgradient and downgradient of the Lawrence University property. In addition, a groundwater sample will be collected from the impacted well (MW-3) located on the Lawrence University property. The attached Figure 1 depicts these well locations. The groundwater samples will be analyzed by Alpha Analytical for the following parameters:

- Saturated hydrocarbons (e.g., alkanes) with USEPA Method 8015 Modified
- Parent and alkylated PAHs with USEPA Method 8270 Modified
- PIANO analytes (paraffins, isoparaffins, mono-aromatics, naphthenes, olefins) based on USEPA Method 8260
- Phenols with USEPA Method 8270

Following receipt of the analytical results, the data will be qualitatively evaluated by constructing and comparing PAH, Alkane, and/or PIANO ratios and bar graphs to identify similarities among the samples and similarities to known PAH source profiles. A summary of the tasks performed during sampling event, the data analysis and interpretation, figures, tables, and laboratory reports will be provided in a tech memo. Prior to starting with this work, we are requesting WDNRs concurrence the proposed plan.

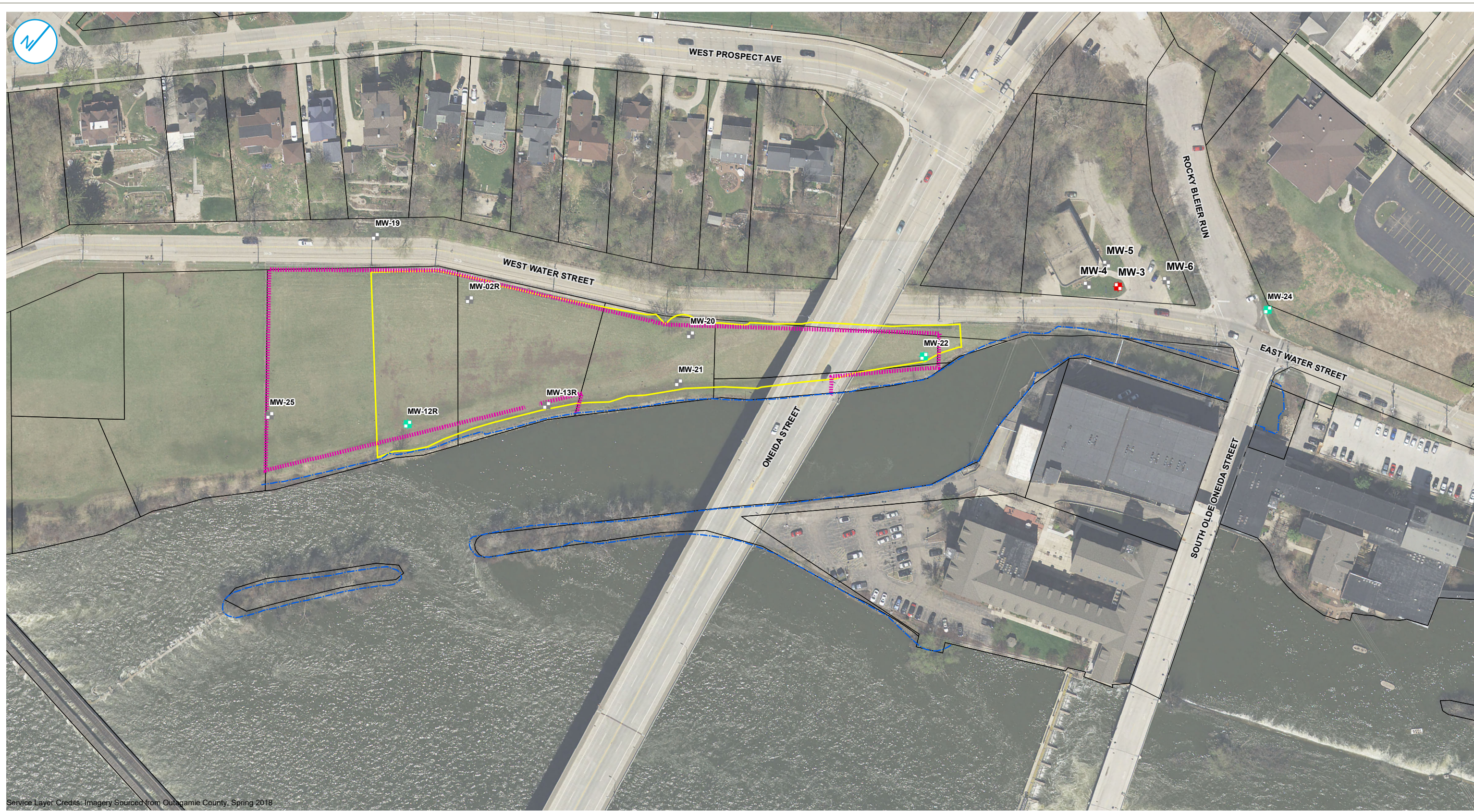
We appreciate your assistance and cooperation with this matter. Please feel free to contact me with any questions or if additional information may be needed.

Thanks,

Frank Dombrowski
Principal Environmental Consultant

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- MONITORING WELL LOCATION NOT PART OF FORENSIC ANALYSIS
- MONITORING WELL LOCATION PART OF FORENSIC ANALYSIS - LAWRENCE UNIVERSITY PROPERTY
- MONITORING WELL LOCATION PART OF FORENSIC ANALYSIS - APPLETON MGP
- SHORELINE

- FORMER MGP SITE PERIMETER
- PERIMETER OF ISS TREATMENT AREA
- 2019 TAX PARCEL

Notes

- PLAN NORTH IS N39° 11' 42" OF TRUE NORTH
- ISOCONCENTRATION CONTOURS PRESENTED WERE CREATED BY KRIGING WELL DATA COLLECTED DURING APRIL SAMPLING EVENT OF EACH YEAR.
- DATES SHOWN AS MM/YY
- CONCENTRATIONS SHOWN AS µg/L (MICROGRAMS PER LITER)



WELL LOCATIONS

**WE ENERGIES
FORMER APPLETON
MANUFACTURED GAS PLANT (MGP)
APPLETON, WISCONSIN**

FIGURE 1



Service Layer Credits: Imagery Sourced from Outagamie County, Spring 2018