



Rose & Westra
A Division of GZA



MEMORANDUM

To: Abby Hendershott, MDEQ

From: Lori Powers, Rose & Westra, a Division of GZA GeoEnvironmental, Inc.

Date: November 30, 2018

File No.: 16.0062335.52 Task 003

Re: Wolverine World Wide, Inc. (Wolverine) – House Street Disposal Area
Monthly Progress Report

This MDEQ Monthly Progress Report (MPR) is being submitted on behalf of Wolverine. This MDEQ MPR is completed as agreed upon in Mr. John Byl's July 9, 2018 letter entitled *Response to May 29 Correspondence regarding Tannery Meeting Summary and Action Items*.

This progress report also includes information to supplement the November 13, 2018 U.S. EPA MPR (attached).

INVESTIGATION ACTIONS

During this reporting period, R&W/GZA completed implementation of the U.S. EPA RWP Sections 3.2 through 3.6 (and corresponding MDEQ PFAS sampling as described in the June 8, 2018 *Source Investigation Work Plan [SIWP]*) as well as the RWP Addendum and scope additions. The associated tasks summary, mapping, boring logs, and non-PFAS data are outlined in the attached U.S. EPA MPR.

Additionally, R&W/GZA resumed and completed hollow-stem auger drilling at off-site locations to continue the delineation of the extent of PFOS+PFOA in groundwater. Wells were drilled and set at the PMW-25 and PMW-20 locations. The boring logs are attached. Wells are also in process of being installed at the PMW-26 location. The boring logs will be provided when this location is complete.

ANALYTICAL DATA RECEIVED

Non-PFAS constituents from the on-Site RWP implementation are summarized in the attached U.S. EPA MPR. PFAS on-Site soil analytical results received since October 30, 2018 through November 21, 2018 are summarized in Table 1. No PFAS groundwater data was received during this period. However, the vertical aquifer profiling data previously received for locations PMW-20 and PMW-25 are summarized in Table 2.

The tables include Michigan's generic residential cleanup criteria (GRCC) for selected exposure pathways. They are provided for reference only, not to imply they will be the basis of any future removal, remediation, or closure actions.

To the extent that samples listed in these tables contain or consist of waste, in whole or in part, the comparison to the MDEQ Part 201 generic cleanup criteria does not imply applicability of the criteria because the physical and chemical properties of the waste are

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expected to be different from the default values or assumptions used to derive the Generic Soil Cleanup Criteria in the Cleanup Criteria Requirements for Response Activity Rules (R299.1-299.50).

The lab reports and geographic information system (GIS) data for these samples have been submitted to the MDEQ through AECOM GIS maintenance updates.

MAPPING

Figures showing the on-Site soil boring locations through November 6, 2018 are included, Figures 1 through 4. Figure 5 shows the current permanent monitoring well installations. Figure 6 shows all wells present on the Site.

ANTICIPATED ACTIONS AND SCHEDULE FOR NEXT REPORTING PERIOD

R&W/GZA anticipates returning to the PMW-26 location to install two additional wells at this location during the next reporting period, pending vertical aquifer profiling data. Also, pending access and utility clearance, additional off-site drilling may be conducted.

R&W/GZA also anticipates meeting with the MDEQ to discuss access issues and restrictions for the pending off-site well installations.

No work is anticipated on-Site during the next reporting period. However, it is likely the remaining pending data will be received during this period.

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