



Rose & Westra
A Division of GZA

GEOTECHNICAL

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WATER

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Ms. Karen Vorce, Project Manager
Grand Rapids District Office
Remediation and Redevelopment Division
Michigan Department of Environment, Great Lakes, and Energy
350 Ottawa Avenue NW, Unit 10
Grand Rapids, MI 49503
vorcek@michigan.gov

Re: Wolverine World Wide, Inc. Consent Decree No. 1:18-cv-00039 (CD)
2020 Third Quarter Progress Report

Dear Ms. Vorce:

On behalf of Wolverine World Wide, Inc. (Wolverine), Rose & Westra, a Division of GZA GeoEnvironmental, Inc. (R&W/GZA), is submitting this 2020 Third Quarter Progress Report under the referenced CD, effective February 19, 2020.

This submittal is completed pursuant to Section 7.15(a)-(d). The third quarter reporting period is July 1, 2020 through September 30, 2020. As described in Section 7.15(b), this progress report summarizes response activities conducted pursuant to paragraphs 7.5, 7.6, 7.7, 7.8, 7.9, and 7.10 of the CD.

Section 7.5: Filters

During the third quarter reporting period, Wolverine continued operation and maintenance of applicable point-of-entry treatment (POET) and point-of-use (POU) filters in accordance with the CD.

R&W/GZA continued logistics for the CD-defined changes to the POET monitoring schedule and procedure. This included continuing to provide notifications to residents about the changes to their individual POET, as applicable, as well as coordination of the routine granular activated carbon (GAC) column exchanges.

The final Response Activity Plan (RAP) for filters was submitted on September 16, 2020.

Section 7.6: Residential Well Sampling

R&W/GZA completed the RAP for submittal under Section 7.4(c) which defines the scope of implementation for Section 7.6, Residential Well Sampling. This final RAP was submitted to EGLE on September 30, 2020. The residential resampling effort will begin during 4th quarter 2020.



Section 7.7: Tannery Site

Under Section 7.7(b), R&W/GZA continued to move forward with detailed site design including plans for alternate treatment building locations. R&W/GZA received the results of a rapid small column adsorption test performed with a composite groundwater sample from the Site to better estimate carbon adsorption capacity and life. The test and associated report had been delayed by a COVID shutdown. These results are under evaluation. Finally, R&W/GZA also continued the design and evaluation of different groundwater capture alternatives for the demonstration report due February 19, 2021.

Section 7.8: House Street Site

R&W/GZA continued work on the feasibility study for the House Street site described in Section 7.8. The feasibility study is due February 19, 2021. Several options are being considered, including the two referenced in the CD.

Section 7.9: Groundwater Monitoring Obligations/Requirements

During the third quarter reporting period, R&W/GZA completed the RAP for the perimeter wells and submitted it on its due date, August 17, 2020.

The RAPs for Areas 5, 6, 11 and 12, and R-1(19) that were submitted in June were still under EGLE review during the third quarter reporting period.

Section 7.10: GSI Investigation

R&W/GZA completed the RAP for submittal under Section 7.4(a) which defines the scope of implementation for Section 7.10, GSI Investigation. The final RAP was submitted on September 23, 2020. The GSI sampling and monitoring effort will begin during 4th quarter 2020.

Additional Submittals

Section 7.15(c)(i)-(viii) of the CD outlines several items that are required in the quarterly progress reports.

7.15(c)(i) – **Sampling Data.** No sampling data was obtained during the reporting period.

7.15(c)(ii) – **Access Issues.** No access issues were identified during the second quarter. Some locations associated with piezometer installations were identified as inaccessible or the property owner did not grant access. Those locations were discussed with EGLE and mutually acceptable alternate locations were identified.

7.15(c)(iii) – **Gantt Chart with Schedule.** The Gantt chart identified under this section and attached to this report is limited to reporting deliverables and estimated schedules for the limited RAP implementation tasks that are underway. Progress on implementation of RAPs is dependent on EGLE review. See **Enclosure 1**. The filter operation and maintenance as well as performance monitoring schedule is not required to be included in this Gantt chart, and is instead included in the quarterly filter report.

7.15(c)(iv) – **Table with Deliverables.** The currently established deliverables are summarized in the following table and are summarized in Enclosure 1, Gantt chart.



RAP / Deliverable	Days	EGLE Due Date	R&W/GZA PM
Quarter 3 Summary July 1 to End September		11/2/2020	
Tannery Interceptor RAP*	365	2/18/2021	M. Westra
HS Feasibility**	365	2/19/2021	M. Westra
Quarter 4/Yearly Summary through End December		3/1/2021	

*Two years after installation, a demonstration of performance documentation is due

** RAP for final remedy due 180 days after selection

Additionally, under Section 7.12, completion reports are due for the RAPs, and those schedules are primarily determined by the completion of certain tasks. Dates for those deliverables will be included as they approach and/or are established.

7.15(c)(v) – **Descriptions of Waste Materials.** No waste materials were generated during the reporting period.

7.15(c)(vi) – **Data Validation Issues.** No data validation was performed under the CD during the second quarter. Data selection for validation will likely occur during fourth quarter 2020.

Section 7.15(c)(vii)(A) – **Drilling Activities.** No drilling was conducted in the third quarter.

Section 7.15(c)(vii)(B) – **Maps, Boring Logs, and Cross Sections.** No location maps for sample results, groundwater elevation data and contour maps, boring logs, or cross sections were generated during the third quarter.

Section 7.15(c)(viii) – **Other Relevant Information.** No activities or matters that affect or may affect the implementation of the requirements of the CD are reported this quarter.

Per Section 7.15(e), the filter monitoring data is submitted separately, also on a quarterly basis.

If you have any questions, please contact us.

Very truly yours,
 Rose & Westra, a Division of GZA GeoEnvironmental, Inc.


 Loretta J. Powers
 Senior Project Manager


 Leslie M. Nelson, P.E.
 Associate Principal


 Mark A. Westra
 Principal

Enclosure: Gantt Chart Project Schedule

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