

April 13, 2018

Mr. Jeff Ackerman  
Wisconsin Department of Natural Resources  
Remediation and Redevelopment Program  
3911 Fish Hatchery Road  
Madison, Wisconsin 53121

**RE: SITE INVESTIGATION WORK PLAN**

Getzen Company  
530 County Highway H  
Elkhorn, Wisconsin 53121  
WDNR BRRTS #: 02-65-245978

Dear Mr. Ackerman:

On behalf of The Getzen Company, Geosyntec Consultants (Geosyntec) has prepared this letter to satisfy the site investigation work plan requirements in NR 716 Wis. Admin. Code and in response to the March 5, 2018 letter issued by the Wisconsin Department of Natural Resources (WDNR) to The Getzen Company for the above referenced site ("Site").

This Site investigation work plan presents the information outlined in NR 716.09(2).

**Site Name, Address and Location [NR716.09(2)(a) and (c)]**

The Getzen Company facility (Site) is an approximate 7.63-acre facility located at 530 County Highway H in Elkhorn, Wisconsin. The Site is located in the northeast ¼ of the southeast ¼ of Section 6, Township 2 north, Range 17 east in Walworth County. The Site is located at WTM coordinates of 641013, 244371 on the WDNR Remediation and Redevelopment Sites Map.

**Responsible Party, Consultant and Contractor Information [NR716.09(2)(b)]**

Responsible Party	The Getzen Company 530 South County Highway H Elkhorn, WI 53121 Email: <a href="mailto:Brett@Getzen.com">Brett@Getzen.com</a> Phone: 262-723-4221
Consultant	Geosyntec Consultants James E. Bannantine, P.G., Project Manager 10600 North Port Washington Rd. Suite 100, Mequon, WI 53092

	Email: <a href="mailto:Jbannantine@geosyntec.com">Jbannantine@geosyntec.com</a> Phone: 414-339-5630
Laboratory	Pace Analytical Laboratory Brian Basten, Project Manager 1241 Bellevue Street, Suite 9, Green Bay, WI 54302 Email: <a href="mailto:Brian.basten@pacelabs.com">Brian.basten@pacelabs.com</a> Phone: 920-321-9411

### **Information Gathered during Project Scoping [NR716.09(2)(d)]**

#### *Site History*

Soil and concrete assessment activities have been conducted from 1993 through 2012 at this Site. Most recently, approximately 2,350 gallons of emulsified vegetable oil (EVO) was mixed with groundwater at the Site to create a geochemical environment favorable for growth of a microbial consortium capable of degrading PCE and its daughter products. The EVO placement was performed in June 2013 and documented in the Construction Documentation Report dated March 28, 2018.

#### *Type and Amount of Contamination*

The contamination is Tetrachloroethene (PCE). The quantity of PCE released is unknown.

#### *History of Previous Hazardous Substance Discharges or Environmental Pollution*

The site building was constructed in 1959 and expanded in 1991. The facility has been used for the manufacturing of musical instruments since development, initially by Allied Music Corporation and since 1991 by Getzen.

Tetrachloroethene (PCE) has been used as a degreaser in the manufacturing and cleaning of instruments. Former PCE above ground storage tanks (ASTs) were located on the south side of the original building (prior to the 1991 building addition).

The 1991 building expansion included the installation of footing drain tile and sumps. Water from one of the sumps was initially periodically pumped and discharged to the ground surface on the west side of the building. This practice ceased in 1992 following the detection of PCE in the sump discharge.

Wastewater from the manufacturing process was historically discharged to one of three wastewater treatment lagoons (WWTLs). The WWTLs were closed between 1963 and 1996. The wastewater is currently discharged to the sanitary sewer under a permit with the Walworth County Metropolitan Sewerage District.

*Environmental Media Affected or Potentially Affected by the Contamination*

PCE and its daughter products appear to have impacted the shallow soil and groundwater at the Site.

*Location of the Site and Proximity to Other Sources of Contamination*

No other sources of contamination have been identified at the Site. The WDNR RR Sites Map for the Site is attached. There are no identified BRRTS sites adjacent to or near the Site.

*Need for Permission from Property Owners to Allow Access to the Site*

The Getzen Company owns the Site and has agreed to allow Geosyntec and its subcontractors access to the Site.

*Potential or Known Impacts to Receptors*

There is an intermittent drainage swale located west of the Site. This drainage swale does not contain water during the full year and is therefore not likely connected to the shallow groundwater table. There are no other surface water bodies, wetlands or water supply wells located at the Site.

*Immediate, Interim and Remedial Actions Already Taken*

Site investigation and remedial action have been taken at the Site and have been documented in previous reports submitted to WDNR.

**Physiographical and Geological Setting [NR716.09(2)(e)]**

*Existing Topography*

The Site ground surface slopes from 1,000 feet above mean sea level (ft amsl) on the western border to approximately 990 ft amsl on the eastern property border.

*Surface Water*

Elkhorn Lake is located approximately ¼ mile southwest of the Site. Except for the drainage swale discussed above, no other surface waters, springs, surface water drainage basins or wetlands are located at or near the Site. The Site does not reside in a floodplain.

### *Surficial Soil, General Geology, and Hydrogeologic Information*

The near surface soils appear to be fill materials underlain by glacial till. The near-surface native soils at the Site consist of Pella silt loam, the Elburn silt loam and the Plano silt loam and associated glaciolacustrine deposits. These soils consist primarily of silt with sand and clay, are well drained and typically occur on lake plains.

The shallow bedrock is Silurian-age dolomite and is likely present at a depth of at least 150 feet bgs.

### *Potential Migration Pathways*

The primary potential contaminant migration pathway appears to be through groundwater or vapor intrusion into the building.

### **Sampling and Analysis Strategy [NR716.09(2)(f)]**

#### *Objective*

The objective of the Site investigation is to assess groundwater post-remediation and obtain additional data to support that natural attenuation is providing satisfactory remediation of residually impacted groundwater.

#### *Groundwater Sample Collection*

Groundwater sample collection will be performed twice. Sample collection events are tentatively scheduled for early May and early November 2018. Groundwater samples will be collected from all 15 existing monitoring locations (12 wells and 3 piezometers) for volatile organic compounds (VOCs). A subset of ten monitoring wells/piezometers located within the EVO treatment area will be sampled for methane, ethane, ethene, and total organic carbon (TOC) during the May 2018 sampling to evaluate current geochemical conditions in the groundwater. Purge water from the well sampling will be disposed on site through Getzen's on-site wastewater disposal facility.

Disposable nitrile gloves will be worn while collecting/handling samples. New gloves will be used for each sample collection to limit the potential for cross-contamination. The samples for laboratory analysis will be placed in laboratory supplied glassware and immediately placed on ice in a cooler for transport. A temperature blank will be included and is only analyzed if the ice in the cooler has melted before arrival at the lab. All samples will be submitted to the lab using standard chain-of-custody procedures. The analytical laboratory will perform several internal quality assurance/quality control tasks to document the data is of acceptable quality. These QA/QC tasks will include analysis of method blanks, laboratory control samples and laboratory

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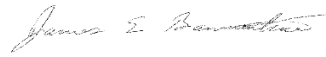
control sample duplicates.

**Schedule [NR716.09(2)(h)]**

Groundwater sampling is tentatively scheduled for early May and early November 2018. A summary report of the groundwater analytical results will be prepared and submitted to WDNR after each sample collection event, in accordance with NR716.14.

Please contact us with any questions.

Sincerely,



James Bannantine, P.G.  
Senior Consultant

cc: Brett Getzen, The Getzen Company

Attachment 1: WDNR Sites Map





# Getzen Company



## Legend

- Open Site (ongoing cleanup)
- Closed Site (completed cleanup)
- Dryclean Environmental Response Fund (DERF)
- Green Space Grant (2004-2009)
- Ready for Reuse
- Site Assessment Grant (2001-2009)
- State Funded Response
- Sustainable Urban Development Zone (SUDZ)

0.1                      0                      0.06                      0.1 Miles

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**Note: Not all sites are mapped.**

## Notes

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