



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor
Matthew J. Frank, Secretary
Gloria L. McCutchen, Regional Director

Waukesha Service Center
141 NW Barstow Street, Room 180
Waukesha, Wisconsin 53188
Telephone 262-574-2166
FAX 262-574-2117

July 28, 2010

Ms. Jill Fitzgerald
Jill's Dry Cleaners
S74 W16834 Janesville Road
Muskego, WI 53150

Subject: Remedial Action options for Jill's Dry Cleaners
S74 W16834 Janesville Road, Muskego, WI 53150
FID# 268077480, BRRTS# 02-68-543070

Dear Ms. Fitzgerald:

The Department of Natural Resources (the department) has reviewed your request for closure for the case described above. The department reviews environmental remediation cases for compliance with state rules and statutes to maintain consistency in the closure of these cases. After careful review of the closure request, the department has determined that the following issues will need to be addressed before case closure:

- Additional soil sampling will be necessary to determine if the shallow soil impacts detected at the property boundary (at soil sample locations HA-4 and HA-5) extend onto the City of Muskego property. The chlorinated compound Tetrachloroethene (PCE) was detected at the property boundary in the 0.5 – 1.5 foot depth. The closest soil sampling on the city property (GP-5 and GP-6) is approximately 20 – 30 feet down gradient (northwest). Therefore, additional sampling will be needed on the city property (between the property line and GP-5 & GP-6) at the 0.5 – 1.5 depth. Samples should be analyzed for Volatile Organic Compounds (VOCs).
- A soil sample from probe GP-6 confirms a high level of PCE at the 6 – 7 foot depth. Groundwater at the site is reported at a depth of 2.4 – 4.3 feet. However, neither the extent of soil or groundwater impact maps included GP-6. Please update either Figure 9 (soil impacts extent) or Figure 11 (groundwater impacts extent) to show the PCE levels detected in GP-6.
- Based on the level of PCE reported in GP-6, the adjoining City of Muskego property will need to be listed on the GIS Registry. The GIS packet submitted will need to be updated to include the off-site property. Also, the City of Muskego will have to be notified of both the impacted soil and the GIS listing.
- Groundwater monitoring wells MW-6 and MW-6D have not shown any detects of PCE. However, soil sample GP-6 (located approximately 20 feet up-gradient from the two

wells) reported a high level of PCE at the 6-7 foot depth, which is below the water table. Please provide an explanation how MW-6 and MW-6D have not shown PCE detects.

- Due to the levels of impacted soil at this site, a Soil Performance Standard consisting of a cap and the building (to cover high impacted soils) will be used to obtain closure. This will require a continuing obligation to maintain the cap and building as outlined in the submitted maintenance plan. A single site map that clearly shows both the extent of soil impacts that need to be covered and the location of the cap will need to be submitted. This updated map will be necessary for the previously submitted GIS packet.

When the above issues have been addressed, please submit a cover letter, together with any required documentation (with the site FID# and BRRTS# noted) to: Victoria Stovall, Wisconsin Department of Natural Resources, 2300 N. Dr. ML King Dr., Milwaukee, WI 53212. Your site will then be re-reviewed for closure.

The Department appreciates the efforts you are taking to restore the environment at this site. If you have any questions regarding this letter or the site in general, please contact me at the letterhead address or (262) 574-2145.

Sincerely,



James C. Delwiche, P.G.
Hydrogeologist
Bureau for Remediation & Redevelopment

cc: Patrick Allenstein - KPRG
SER Case File