

**Hazardous Waste Information**

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

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**Facility Detailed List Report**

Number of Facilities = 1

Facility Info									
Facility ID	County	Status	EPA ID	Other ID	Old Fac. ID	Follow Up			
83085	Polk	A - Active - Waste Generator	FLD982170672		5320090	N - None Needed			
Facility Name	Mailing Address	Location Address	Contact	Title	Phone	E-mail Address			
Wrights Dry Cleaners	2510 Avenue G Nw Winter Haven, FL 33880	2510 Avenue G Nw Winter Haven, 33880	Sue Pabel	Owner	(863) 294-2061				
SIC Code	Gen Stat	Total HW Disposal	Data Type	Date	Org Contact	Org Code			
7216	N - NOT A HAZARDOUS WASTE GENERATOR	0	V - Verification By On-Site Visit	10/1/2008	A Stermer	53 - Polk			
Full-Time Employees		Facility Updated Date							
3		10/14/2008							
Comments:									
Comment Data	Comment								
8/20/2001	See Notes								
10/1/2008	I Performed An Inspection With Shannon Camp, Fdep And Melinda Hansher, Value Environmental Services Who Were Onsite To Take A Sample From The Monitoring Well. Previously There Had Been A Clean-Up Onsite. They Have Changed To A New Machine That Uses D2000. I Advised That The Drums Of D2000 And Any Other Dry Cleaning Solvents Must Be Moved Into The Area That Has Secondary Containment. I Also Advised That The Condensate Water Contaminated With D2000 Solvent Only, Should Be Managed As An Industrial Waste, Since They Are On A Septic System--A Stermer								
Waste Info									
Waste Type	Storage Method	Disposal Method	Mo. (Units)	Max Mo. (Lbs)	Lbs/Year	Disposal Location	Ques Storage	Ques Disposal	RCRA Hazardous
LDEB - Fluorescent Lamps/Devices	OG - Other Good	AD - Awaiting Disposal - Planned	2 ( 4 FT FLUORESCENT TUBES )	1	6	On-Site	N	N	N
Activity Info									
Activity Type	Description	Activity Date	Return To Compliance Date						
DX	Other materials(specify in comments)	10/1/2008							
FE	FAIL TO LABEL UW LAMP CONTAIN. 62-737.400(5)(B)(1)	10/1/2008							
MM	Fluorescent lamps/Mercury Containing Devices	10/1/2008							
SD	SECON. CONTAIN. DRY CLEAN SOLV 376.3078(9)(A)(B)	10/1/2008							

Signature: \_\_\_\_\_  
Date: \_\_\_\_\_



9608 128<sup>th</sup> Terr. N. #102, Largo, Florida 33773-1223  
727-542-2023 / Fax 727-586-6919

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Ms. Shannon Camp  
Environmental Specialist  
FL Dept. Environmental Protection  
Southwest District  
13051 N. Telecom Parkway  
Temple Terrace, FL 33637-0926  
813-632-7600 x 473

October 8, 2008

**RE: Leachfield Sampling Results for  
Wright's Dry Cleaners  
2510 Ave. G NW  
Winter Haven, FL**

Dear Ms. Camp:

Value Environmental Services, Inc. (VES) was retained to assist Wright's Dry Cleaners with the potential solvent issues related to a recent septic tank sampling event. The facility had been in cleanup under the Dry Cleaner Program and had received a No Further Action designation. On April 16, 2008, the Polk County Department of Health (DOH) collected a routine sample from the septic tank that services this property. Tetrachloroethene (PCE) was detected at 5.6 micrograms per liter (ug/L); above the Florida Department of Environmental Protection (FDEP) Groundwater Cleanup Target Level (GCTL) of 3.0 ug/L. Methylene Chloride was detected at 4.8 ug/L; below the FDEP GCTL of 5 ug/L. The FDEP requested additional groundwater sampling data from the downgradient site of the septic leachfield to determine if the PCE had spread beyond the septic tank.

On October 1, 2008, VES met with you and Andrea Stermer of Polk County to perform a facility inspection and collect groundwater samples downgradient of the septic tank leachfield.

#### **Facility Inspection**

The facility had converted to non-solvent cleaners and the septic tank had been cleaned and drained several times. A new Union Nova 35 dry cleaning machine had been installed. There were still several 5-gallon containers of solvent condensate staged inside of the building inside of a secondary containment tray situated on the concrete floor. The facility operator explained that they could not afford to remove all of the containers at once, so they made arrangements with Safety Kleen to take one container per month. Although the condensate from the new dry cleaner machine was non-solvent based, the operator was disposing of the process water along with the solvent waste. No solvent-based materials were identified during the inspection. The County requested that the drum of petroleum-based cleaner be placed inside of secondary containment. The County and FDEP representatives were then satisfied with the facility condition and no re-inspection was required.

#### **Groundwater Sampling**

VES identified an existing monitoring well on the south side of the septic area next to the garage wall (Figure 1). The well was constructed of 1" OD PVC with a total depth of 10'. The depth-to-water (DTW) was 3.5'. FDEP agreed that this well was adequately located and could be used for the groundwater sampling.

*Shannon  
10/9/08*

VES collected groundwater samples from this well designated as "Leachfield-1." Sampling was performed per the FDEP Standard Operating Procedure (SOP) prescribed sampling techniques. Prior to sampling, the water level was measured in the well and the purge volume was calculated. The monitoring well was purged using a Geotech peristaltic pump equipped with dedicated, disposable polyethylene tubing. Each well volume of water purged from the monitoring well was monitored for pH, conductivity, temperature, and dissolved oxygen using a YSI Model 556 multimeter and for turbidity using a Hach turbidity meter. The well was purged until temperature, pH, conductivity, dissolved oxygen, and turbidity water quality parameters stabilized in accordance with the FDEP SOP. A total of five volumes had to be removed because the Turbidity stayed above 20 NTU.

Following well purging, the monitoring well was sampled in accordance with the FDEP SOP by removing the tubing from the well, reversing the direction on the peristaltic pump and decanting the groundwater into the appropriate, laboratory-supplied containers. Once collected, the groundwater samples were stored in an iced cooler for preservation. The groundwater samples were transported under proper chain-of-custody documentation to Millennium Labs, Inc. for the analysis of Volatile Organic Halogens (VOH) using EPA Method 8260. The Groundwater sampling log and field instrument calibration record are provided in Attachment A.

#### Analytical Results

The laboratory analytical report is included in Attachment B. The results of the laboratory analyses indicated that PCE was not present above the laboratory method detection limit (MDL) of 0.23 ug/L. The compound cis-1,2 Dichloroethene (DCE) was detected at 19 ug/L; well below the GCTL of 70 ug/L.

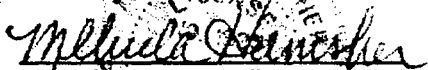
#### Discussion

The interview with the facility operator and the facility inspection indicated that solvent-based cleaners were no longer in use at the site. The residual solvent waste containers were staged inside of secondary containment located on the concrete floor inside of the building. There were no proximal floor drains. Although the septic tank was reportedly drained several times, the tank had contained solvent wastes for over 20 years. The solvents likely seeped into the concrete walls of the septic tank and could be leaching into the septic fluids. Although the PCE concentrations detected in the septic tank fluids were above the GCTL, the relative concentrations were still relatively low. DCE is a degradation isomer of PCE. The absence of PCE and presence of DCE downgradient of the leachfield indicates that natural attenuation factors are in effect in the leachfield.

#### Recommendation

It may take some time for the residual PCE to completely leach out of the concrete walls of the septic tank. Additional periodic draining of the septic tank may be beneficial. Due to the low concentrations, it appears that the leachfield is providing natural degradation of the residual PCE that does exit the septic tank.

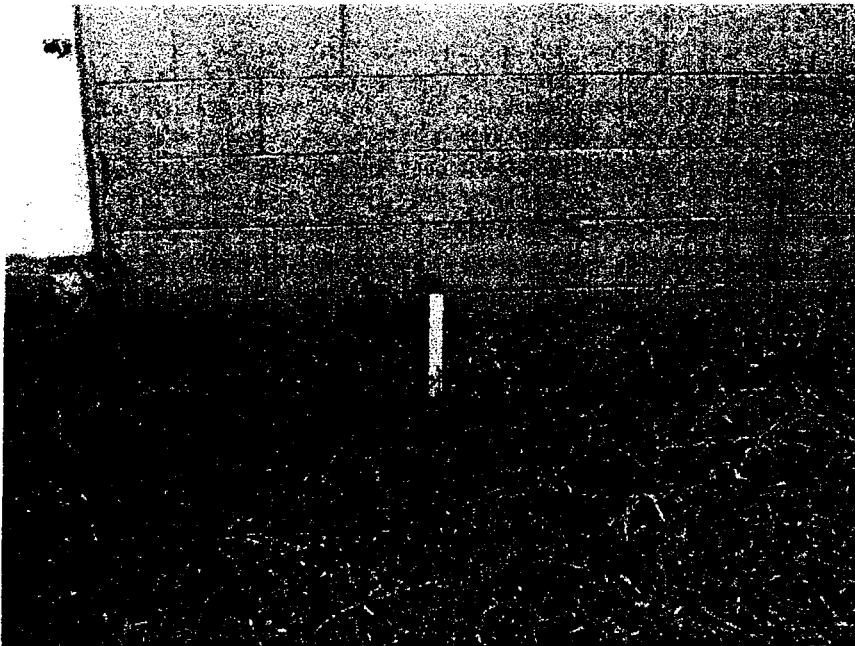
If you have any questions regarding this report, please call me at 727-542-2023.

  
Melinda Harnsher, P.G.  
Date: October 8, 2008  
FL Professional Geologist #1925

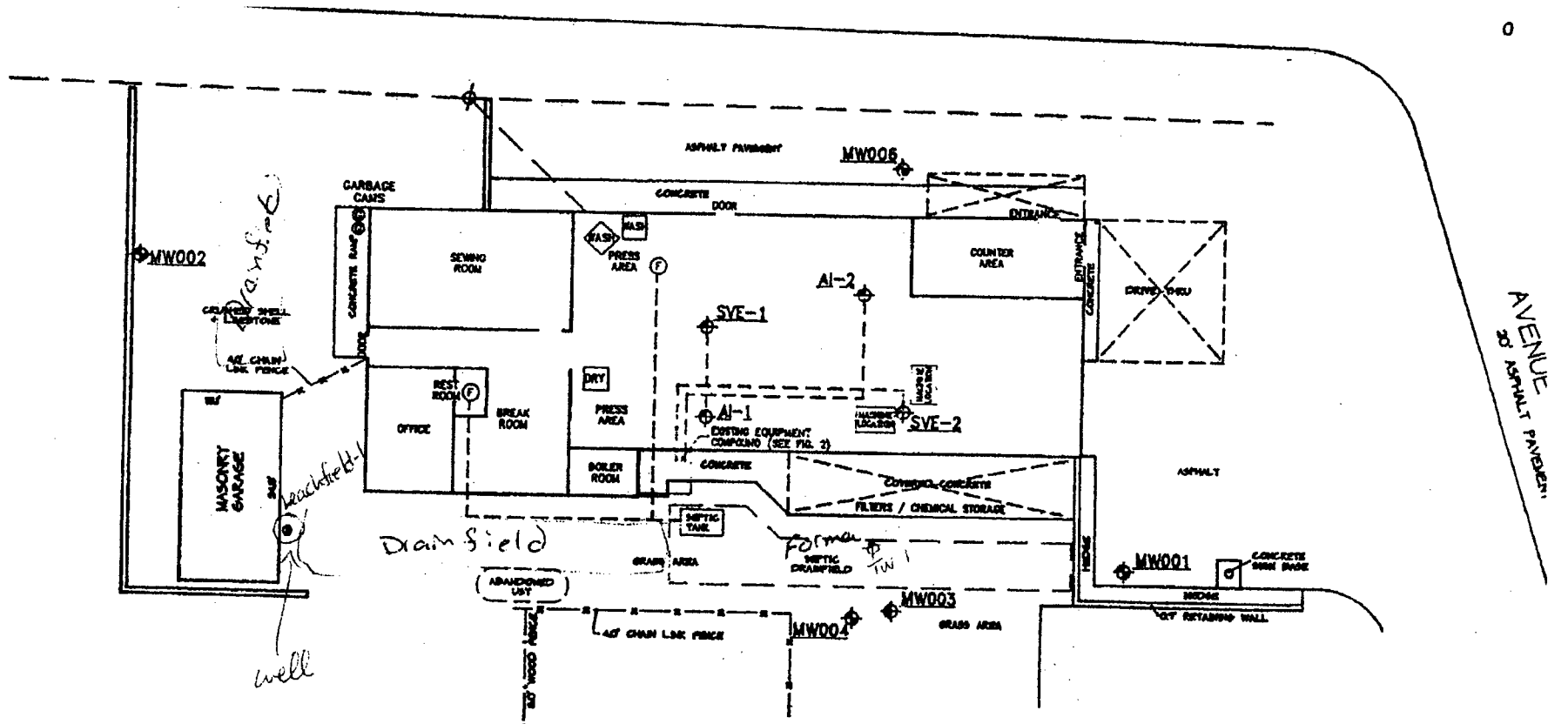
Wright's Cleaners  
2510 Ave. .G NW, Winter Haven, FL



View looking south from the septic tank down the leachfield. The monitoring well is located of the right of the garage door.



Close-up of the monitoring well, designated as Leachfield-1.



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AVENUE  
OF ASPHALT PAVEMENT

MW005

MW001  
MW002  
SVE-1