

**BROWNFIELD CLEANUP PROGRAM (BCP)**

**REMEDIAL INVESTIGATION  
WORK PLAN ADDENDUM**

**ECL Article 27/Title 14**

**SPEEDY'S CLEANERS  
3130 Monroe Avenue  
Town of Pittsford  
Rochester, New York 14618**

**NYSDEC Site # C828109**

**Prepared for:  
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Prepared by:  
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### **Brownfield Cleanup Program (BCP) Boundary Requirements**

Seven sub-surface soil vapor samples will be collected beneath the asphalt for VOC analysis along the east, west, and south sides of the subject site to address BCP boundary requirements. Three sub-surface samples will be collected along the eastern boundary and the western boundary, and one sample will be collected along the south boundary (Figure 1).

The sampling will be conducted in accordance with the NYSDOH Soil Vapor Intrusion Guidance (February 1, 2005). Soil vapor probes will be installed in the following manner:

- a) Samples will be installed using direct push technology by Geoprobe;
- b) Coarse sand will be used to create a sampling zone 1 to 2 feet in length;
- c) Implants will be fitted with inert tubing (e.g., polyethylene, stainless steel);
- d) Soil vapor probes will be sealed above the sampling zone with a bentonite slurry for a minimum distance of 3 feet to prevent outdoor air infiltration and the remainder of the borehole backfilled with clean material; and
- e) For multiple probe depths, the borehole will be grouted with bentonite between probes to create discrete sampling zones.

In the northeast and northwest site corners, near the contaminated RG&E right-of-way, shallow (1 to 2 feet below grade) and deep (6 to 8 feet below grade) soil vapor samples will be collected. Soil vapor samples along the east boundary will be collected at a depth of 6 to 8 feet below grade. The samples along the western border (points 2,3 on Figure 1) will be in close proximity to the sanitary sewer line. The western samples along the utility will be collected from the approximate depth of the utility trench, as close the sanitary service as is legally permissible.

The samples will be collected in 1-liter Summa Canisters for 2 hours with a flow rate not exceeding 0.2 liter per minute. Care will be taken during all aspects of sample collection to ensure that high quality data are obtained. The laboratory will use only certified clean sample collection devices. The sampling team will avoid actions which cause sample interference such as pumping gas prior to testing or using permanent marking pens in the field. Once samples are collected, they will be stored according to the method protocol and delivered to the analytical laboratory as soon as possible.


Sample collection probes will be installed by Geoprobe and plugged with modeling clay. The sub-surface samples will be collected a minimum of 24 hours after the holes are drilled to allow the gas beneath the asphalt to equilibrate. A minimum of one probe volume will be evacuated with a syringe prior to sample collection.

The sample probe will be installed at least 27 hours prior to sample collection. The probes will be plugged with modeling clay after installation. A minimum of one probe volume will be evacuated with a syringe prior to sample collection.

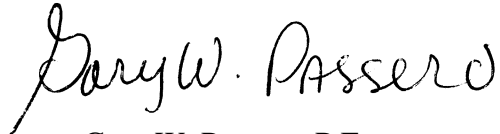
The analytical method for VOCs in the air samples will be Environmental Protection Agency (EPA) Method TO-15, capable of detecting target compounds with limits of 1 ug/m<sup>3</sup>. Samples will not exceed recommended holding times prior to being processed by the laboratory. Laboratory procedures for sample accession and chain of custody will be followed.

**IRM Confirmatory Samples**

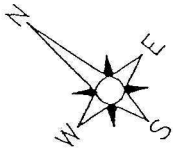
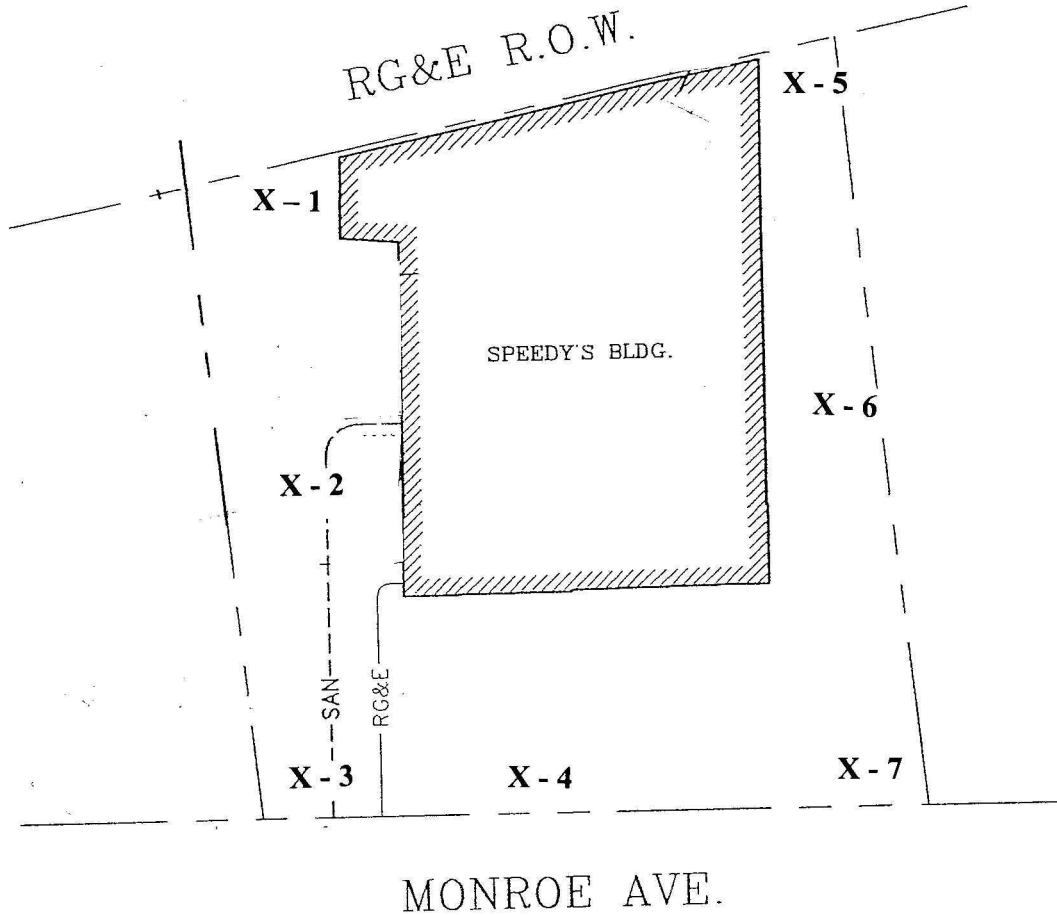
An active sub-slab depressurization system (ASD) was installed on May 19, 2006. Concurrently with this sub-surface boundary investigation, two confirmatory interior air samples will be collected by summa canister to verify that the ASD is effective.



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**Legend**

**X – Sub-surface Air Sample**

**Figure 1**

<b>Passero Associates</b> 100 Liberty Pole Way, Rochester, NY 14604  Engineering Architecture Surveying Planning	<b>PROJECT</b> <b>Speedy's Cleaners BCP</b> TOWN OF PITTSFORD, COUNTY OF MONROE, STATE OF NEW YORK		<b>PROJECT NO.</b> <b>98018.14</b>
	<b>DRAWING</b> <b>SAMPLE LOCATION MAP</b>		<b>DRAWING NO.</b> 1 OF 1
	<b>CLIENT</b> <b>SPEEDY'S CLEANERS</b> 3130 MONROE AVENUE PITTSFORD, N.Y. 14534		<b>SCALE</b> 1" = 30'
	Partner in Charge <b>G.W.P.</b> Project Manager <b>A.K.</b> Drawn by <b>M.L.A.</b>		<b>DATE</b> <b>6/09/06</b>