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518-402-9773

DATE: 11/3/03TO: Brian DavidsonCOMPANY/ORGANIZATION: New York State Dept. of Environmental Conservation  
.....FROM: Sam Niemann

THE WETLANDS CO., LLC  
1040 E. 86<sup>th</sup> Street, Suite 460  
Indianapolis, IN 46240  
FAX # (317) 581-0290  
Telephone # (317) 581-0668  
sam@twcindy.net

V00665-7

TOTAL NUMBER OF PAGES SENT 7**Confidentiality Note:**

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MESSAGE: Per our telephone conversation, attached is  
the summary of the results of additional direct-push  
type groundwater sampling at Christopher Service  
Company, Solvay, NY. Site # V00665-7.

Please contact me with any questions. I will look  
forward to meeting you on November 18<sup>th</sup>.

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***Supplement to Limited Environmental Site Assessment  
And Site Investigation Report***

Christopher Service Company  
3117 & 3009 Milton Avenue, Solvay, NY

November 3, 2003

**Supplement to Limited Environmental Site Assessment  
And Site Investigation Report**

Christopher Service Company  
3117 & 3009 Milton Avenue, Solvay, NY

This summary is a supplement to the May 2003 report for the above referenced site entitled *Limited Environmental Site Assessment and Site Investigation Report*. The May report presented the consolidated findings of the January 2003 environmental site assessment and the results of soil and groundwater sampling activities performed at the site on January 15-16, 2003.

This supplement to the May report briefly presents the results of additional groundwater sampling work which was performed at the site in May 15, 2003, as a follow-up to the January sampling.

**Summary of the Sampling Work**

On May 15, 2003, Ransom Environmental Services installed six temporary well points off site to determine the extent of contamination north of the site in what is believed to be the downgradient direction. The temporary well points were installed by Subsurface Drilling Solutions of Canastota, New York, utilizing a Geoprobe® direct-push type truck-mounted rig. Each temporary well point consisted of a one-inch diameter schedule 40 PVC casing with five feet of 0.010 slot schedule 40 PVC well screen. The locations of the temporary well points were as follows (also see the attached figure):

- Four temporary well points were installed along the north side of Milton Avenue in the street right-of-way. There is a parking lot in this area. Railroad tracks run along the north side of the parking lot.
- Two temporary well points were installed on the west side of Bailey Street in the street right-of-way. The Solvay Highway Department facility lies to the west of Bailey Street.

**Groundwater Sampling:**

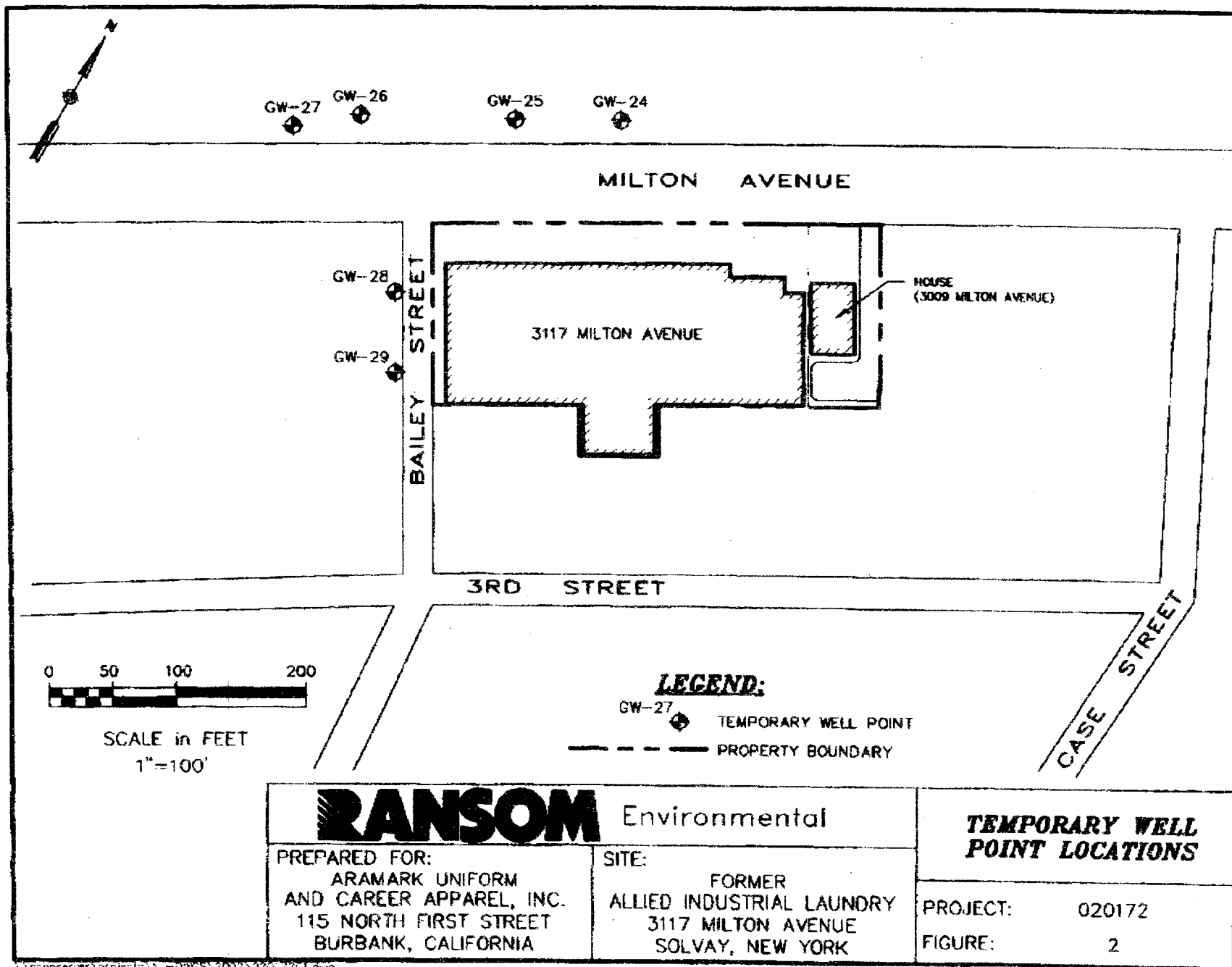
Each soil boring was advanced into the groundwater table and a one-inch diameter PVC temporary well point was installed for groundwater sample collection utilizing a dedicated bailer. Groundwater samples (GW-24 through GW-29) were collected. Each temporary well point was hand bailed to remove as much silt-laden groundwater as possible. A dedicated bailer was then used to obtain a groundwater sample from each temporary well point. Upon completion of sampling, the temporary well points were removed from the boreholes and the boreholes were properly sealed. A summary of the samples which were collected is attached as Table 1.

**Laboratory Analytical Results:**

Groundwater samples collected from each temporary well point were analyzed for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs) by a NYSDOH certified laboratory. The laboratory analytical results indicated that no VOCs were present at concentrations above NYSDEC groundwater quality standards/guidance values in any of the groundwater samples, except for the detection of 11.7 ug/L of tetrachloroethene (PCE) in temporary well GW-27.

Concentrations of SVOCs exceeding the NYSDEC groundwater quality standards/guidance values were reported in three of the six temporary wells. The highest of these concentrations was 8.04 ug/L of chrysene in temporary well GW-28.

The analytical results for all samples are summarized on Table 2.



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TABLE 1

## SAMPLING SUMMARY TABLE

CHRISTOPHER SERVICE COMPANY  
3117 and 3009 Milton Avenue, Solvay, New York

SAMPLE NAME	SOIL BORING DESIGNATION	Sample Date	MATRIX	SOIL STAINING	ANALYTICAL PARAMETERS	SAMPLING METHOD	QVM READING (ppm)
GW-24	SB-24	5/15/2003	Water	No	VO & BN	BAILER	0
GW-25	SB-25	5/15/2003	Water	No	VO & BN	BAILER	0
GW-26	SB-26	5/15/2003	Water	No	VO & BN	BAILER	0
GW-27	SB-27	5/15/2003	Water	No	VO & BN	BAILER	0
GW-28	SB-28	5/15/2003	Water	No	VO & BN	BAILER	0
GW-29	SB-29	5/15/2003	Water	No	VO & BN	BAILER	0

## NOTES:

VO - VOLATILE ORGANICS (EPA METHOD 8260)

BN - SEMI-VOLATILE ORGANICS (EPA METHOD 8270)

Table 2  
Groundwater Sampling Results  
May 2003  
Christopher Service Company, 3117 Milton Avenue, Solvay, New York

Sample ID	GW-24	GW-25	GW-26	GW-27	GW-28	GW-29	NYSDEC Groundwater Quality Standard/Guidance Value (ug/L)
Date Sampled	5/15/2003	5/15/2003	5/15/2003	5/15/2003	5/15/2003	5/15/2003	
Matrix	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous	
PARAMETER(Units)	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	
<b>Volatiles (EPA Method 8260)</b>							
cis-1,2-dichloroethene	1.40	1.23	0.830	2.52	1.91	ND	5
tetrachloroethene	3.05	ND	ND	11.7	ND	ND	5
trans-1,2-dichloroethene	ND	ND	1.37	ND	ND	ND	5
trichloroethene	ND	ND	ND	3.20	ND	ND	5
1,1,2,2-tetrachloroethane	ND	ND	ND	ND	ND	ND	5
vinyl chloride	ND	ND	ND	ND	6.7	ND	2
chloroform	ND	ND	ND	6.76	ND	ND	7
benzene	ND	ND	ND	ND	ND	ND	0.7
ethylbenzene	ND	ND	ND	ND	ND	ND	5
m&p-xylenes	ND	ND	ND	ND	ND	ND	5
o-xylenes	ND	ND	ND	ND	ND	ND	5
toluene	ND	ND	ND	ND	ND	ND	5
4-isopropyltoluene	ND	ND	ND	ND	ND	ND	5
acetone	ND	ND	ND	ND	ND	ND	50
isopropylbenzene	ND	ND	ND	ND	ND	ND	5
n-propylbenzene	ND	ND	ND	ND	ND	ND	5
sec-butylbenzene	ND	ND	ND	ND	ND	ND	5
tert-butylbenzene	ND	ND	ND	ND	ND	ND	5
naphthalene	ND	ND	ND	ND	ND	ND	10
1,2,4-trimethylbenzene	ND	ND	ND	ND	ND	ND	5
2-methylnaphthalene	ND	ND	ND	ND	ND	ND	NS
acenaphthene	ND	ND	ND	ND	ND	ND	20
acenaphthylene	ND	ND	ND	ND	ND	ND	NS
anthracene	ND	ND	ND	ND	ND	ND	50
benzo(a)anthracene	ND	ND	5.28	3.68	7.04	ND	0.002
benzo(a)pyrene	ND	ND	ND	3.64	6.04	ND	0 or ND
benzo(b)fluoranthene	ND	ND	4.97	ND	5.16	ND	0.002
benzo(g,h,i)perylene	ND	ND	3.51	ND	3.60	ND	NS
benzo(k)fluoranthene	ND	ND	5.84	3.44	5.72	ND	0.002
bis(2-ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	5
chrysene	ND	ND	6.51	4.44	8.04	ND	0.002
dibenzofuran	ND	ND	ND	ND	ND	ND	NS
di-n-butyl phthalate	ND	ND	ND	ND	ND	ND	50
fluoranthene	1.76	ND	9.61	7.52	15.8	ND	50
fluorene	ND	ND	ND	ND	ND	ND	50
indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	3.26	ND	0.002
naphthalene	ND	ND	ND	ND	ND	ND	10
phenanthrene	ND	ND	4.57	ND	10.6	ND	50
pyrene	1.74	ND	10.3	7.32	14.4	ND	50

**Notes:**

All other target compounds were not detected above method detection limits.

**Bold values indicate compounds/results above the NYSDEC groundwater standards/guidelines.**

Concentrations in ug/L.

\* As per NYSDEC Division of Water Technical & Operational Guidance Series (TOGS) Ambient Water Quality Standards and Guidance Values, re-issued June 1998.

ND - Not Detected above method detection limit.

NS - No Standard