



WALDEN ASSOCIATES, INC.

ENVIRONMENTAL CONSULTANTS  
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August 7, 2003

Mr. Jeffrey Dyber, PE  
NYSDEC, Bureau of Eastern Remedial Action  
Division of Environmental Remediation  
625 Broadway  
Albany, NY 12233-7015

Re: Monthly Progress Report – July 2003  
New Cassel Industrial Area, New York  
Site ID #1-30043I, 1-300-43L, 1-30043M

Dear Mr. Dyber:

Walden Associates, Inc. (Walden) is pleased to submit the Monthly Progress Report for the above-referenced site. This report covers the month of July 2003, in which the following activities were conducted:

- Excavated test pits to confirm the location of two additional septic drywells at 89 Frost Street on July 21, 2003.
- Drilled soil boring and collected soil samples at 89 Frost Street from three newly located septic drywells and two old drywells from the top of sediments to the water table from July 21 to 23, 2003 using a split spoon sampler. The soil boring logs are attached.
- Drilled soil boring and collected soil samples at 101 Frost Street from one newly located septic drywell and two old drywells from the top of sediments to the water table on July 21 & 24, 2003 using a split spoon sampler. The soil boring logs are attached.
- Excavated approximately 22 cubic yards of surface soil at 101 Frost Street on July 22, 2003. Collected two soil samples from the bottom of this location for closure analysis. Soil sampling results are attached in Table 1 and Table 2.

The on-site scheduled activities for August 2003 are listed below:

- Dispose of stockpiled soil excavated from the surface at 101 Frost Street.
- Install SVE/AS pilot test wells.
- Construct groundwater table contour map based on the measurement data of groundwater table elevations from the site-related monitoring wells.
- Prepare summary report detailing finding of groundwater/soil sampling completed to date and recommending future schedule modification, change in scope of work as required.

Walden shall provide a ten-day notice to NYSDEC for any field work. Please do not hesitate to call me should you have any questions.

Very truly yours,

Walden Associates, Inc.  
Environmental Consultants



Joseph M. Heaney III, PE  
Principal

Att. Table 1  
Table 2  
Soil boring logs

cc: A. Tamuno, Esq.  
G. Bobersky  
G. Litwin  
A. Cava  
M. Rubin, Esq.  
H. Scenizer, Esq.  
F. Werfel

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**FROST STREET SITES  
WESTBURY, NEW YORK**

**TABLE 1**

**SURFACE SOIL SAMPLING RESULTS OF SVOCs (ug/l) - 101 FROST STREET**

Compound	NYSDEC TAGM # 4046 Guidelines	T-1	T-2
1,2,4-Trichlorobenzene	NA	ND	ND
1,2-Dichlorobenzene	NA	ND	ND
1,3-Dichlorobenzene	NA	ND	ND
1,4-Dichlorobenzene	NA	ND	ND
2,2-oxybis (1-chloropropane)	NA	ND	ND
2,4,5-Trichlorophenol	NA	ND	ND
2,4,6-Trichlorophenol	NA	ND	ND
2,4-Dichlorophenol	NA	ND	ND
2,4-Dimethylphenol	NA	ND	ND
2,4-Dinitrophenol	NA	ND	ND
2,4-Dinitrotoluene	NA	ND	ND
2,6-Dinitrotoluene	1.03	ND	ND
2-Chloronaphthalene	NA	ND	ND
2-Chlorophenol	NA	ND	ND
2-Methylnaphthalene	NA	ND	ND
2-Methylphenol	NA	ND	ND
2-Nitroaniline	NA	ND	ND
2-Nitrophenol	NA	ND	ND
3,3-Dichlorobenzidine	NA	ND	ND
3-Nitroaniline	NA	ND	ND
4,6-Dinitro-2-methylphenol	NA	ND	ND
4-Bromophenyl phenyl ether	NA	ND	ND
4-Chloro-3-methylphenol	NA	ND	ND
4-Chloroaniline	200	ND	ND
4-Chlorophenyl phenyl ether	NA	ND	ND
4-Methylphenol	NA	ND	ND
4-Nitroaniline	NA	ND	ND
4-Nitrophenol	NA	ND	ND
Acenaphthene	NA	ND	ND
Acenaphthylene	NA	ND	ND
Anthracene	NA	190	ND
Benzo(a)anthracene	0.224	ND	ND
Benzo(a)pyrene	0.06	ND	ND
Benzo(b)fluoranthene	NA	ND	ND
Benzo(ghi)perylene	NA	ND	ND
Benzo(k)fluoranthene	NA	ND	ND
Bis(2-chloroethoxy)methane	NA	ND	ND
Bis(2-chloroethyl)ether	NA	ND	ND
Bis(2-ethylhexyl)phthalate	50	3200	1800
Butyl benzyl phthalate	NA	ND	ND
Carbazole	NA	ND	ND
Chrysene	NA	ND	ND
Dibenzo(a,h)anthracene	0.014	ND	ND
Dibenzofuran	NA	ND	ND
Diethyl phthalate	NA	ND	ND
Dimethyl phthalate	NA	ND	ND
Di-n-butyl phthalate	NA	ND	ND
Di-n-octyl phthalate	NA	ND	ND
Fluoranthene	NA	150	ND
Fluorene	NA	72	ND
Hexachlorobenzene	0.41	ND	ND
Hexachlorobutadiene	NA	ND	ND
Hexachlorocyclopentadiene	NA	ND	ND
Hexachloroethane	NA	ND	ND
Indeno(1,2,3-cd)pyrene	NA	ND	ND
Isophorone	1707	ND	ND
Naphthalene	NA	ND	ND
Nitrobenzene	NA	ND	ND
n-Nitroso-di-n-propylamine	NA	ND	ND
n-Nitrosodiphenylamine	NA	ND	ND
Pentachlorophenol	NA	ND	ND
Phenanthrene	NA	260	ND
Phenol	NA	ND	ND
Pyrene	NA	120	ND

Note: Soil samples were collected on 7/22/03; NA = NOT AVAILABLE, ND - NOT DETECTED.

FROST STREET SITES  
WESTBURY, NEW YORK

TABLE 2

SURFACE SOIL SAMPLING RESULTS OF HEAVY METALS (mg/kg) - 101 FROST STREET

Metal	NYSDEC TAGM # 4046 Guidelines	T-1	T-2	Background Value
Arsenic	7.5	0.86	0.9	N/A
Barium	300	7.2	8.8	N/A
Cadmium	1	0.046	0.06	N/A
Copper	25	3.1	2.6	N/A
Chromium	10	2.7	3.3	2.2-6.4
Lead	SB	2.1	2.9	17.9
Mercury	0.1	0.0037	0.0024	0.05
Nickel	13	3.5	2.5	N/A
Selenium	2	0.26	0.63	N/A
Silver	SB	ND	ND	N/A
Zinc	26	9.1	ND	3.6-25.5

SB = SOIL BACKGROUND; ND = NOT DETECTED; N/A = NOT APPLICABLE

Notes:

- 1). Soil samples were collected on 7/22/03.
- 2). Background samples were collected and analyzed by NYSDEC's contractor in a residential area north of the New Cassel Industrial Area in 1998.

**SOIL BORING LOGS OF NEW DRYWELLS AT 89 & 101 FROST STREET**

BORING REPORT		WALDEN ASSOCIATES, INC. 16 SPRING STREET OYSTER BAY, NEW YORK 11771				 <b>SHEET 1 OF 2</b>		
DATE STARTED: 7/22/2003		DATE FINISHED: 7/22/2003				BORING NO. DW-18 (89 Frost St.)		
PROJECT NAME & LOCATION: Frost St., Westbury, NY						DRILLING METHOD: HAS 4 1/4"		
DRILLING CONTRACTOR: LAW		LOGGED BY: BVI				DRILLER: CP		
DEPTH BELOW GRADE	ODOR	SAMPLE			BLOWS/6"	STRATA DEPTH/ ELEV.	PID	LITHOLOGY DESCRIPTION TRACE 0-10% LITTLE=10-20% SOME=20-30% AMD=35-50%
		TYPE AND NO.	DEPTH (FROM-TO)	MOISTURE CONTENT				
9	1	9-11'		14"	6-6-8-7		0	
								fine to coarse brown sand
								some gravel
14	sewer odor	2	14-16'	moisture	2"	4-3-3-3	0	
	sewer odor	3	16-18'		12	5-7-8-9	0	coarse brown sand, some gravel
								sewer odor
19	sewer odor	4	19-21'	moisture	12	7-12-18-21	51	black organic clay,
							0	coarse red sand with gravel
24	no	5	24-26'		16	6-8-11-12	0	brown coarse sand with gravel
29	no	6	29-31'		16	8-9-21-14	0	coarse brown sand
								little gravel
34	no	7	34-36'		17	6-7-10-12	0	brown, tan coarse sand
								some gravel
36								



BORING REPORT		WALDEN ASSOCIATES, INC. 16 SPRING STREET OYSTER BAY, NEW YORK 11771				 <b>SHEET 1 OF 2</b> WALDEN ASSOCIATES, INC.		
DATE STARTED: 7/22/2003		DATE FINISHED: 7/22/2003				BORING NO. DW-19 (89 Frost St.)		
PROJECT NAME & LOCATION: Frost St., Westbury, NY						DRILLING METHOD: HAS 4 1/4"		
DRILLING CONTRACTOR: LAW		LOGGED BY: FHL				DRILLER: CP		
DEPTH BELOW GRADE	ODOR	SAMPLE			BLOWS/6"	STRATA DEPTH/ ELEV.	PID	LITHOLOGY DESCRIPTION TRACE 0-10% LITTLE=10-20% SOME=20-30% AMD=35-50%
		TYPE AND NO.	DEPTH (FROM-TO)	MOISTURE CONTENT				
9	no	1	9-11'		2-2-2-3		0	coarse brown sand and gravel
14	no	2	14-16'		4-5-8-10		0	coarse brown sand and gravel
19	no	3	19-21'		7-9-15-18		0	coarse brown sand and gravel
24	no	4	24-26'		8-10-13-14		0	brown, yellow coarse sand some gravel
29	no	5	29-31'		7-13-13-12		0	coarse brown sand and gravel
34	no	6	34-36'		2-12-17-18		0	coarse brown sand and gravel
36								

BORING REPORT		WALDEN ASSOCIATES, INC. 16 SPRING STREET OYSTER BAY, NEW YORK 11771					 <b>SHEET 2 OF 2</b>		
DATE STARTED: 7/22/2003		DATE FINISHED: 7/22/2003					BORING NO. DW-19 (89 Frost St.)		
PROJECT NAME & LOCATION: Frost St., Westbury, NY							DRILLING METHOD: HAS 4 1/4"		
DRILLING CONTRACTOR: LAW		LOGGED BY: LBK		DRILLER: CP					
DEPTH BELOW GRADE	ODOR	SAMPLE			BLOWS/6"	STRATA DEPTH/ ELEV.	PID	LITHOLOGY DESCRIPTION	
		TYPE AND NO.	DEPTH (FROM-TO)	MOISTURE CONTENT				inch	
36									
	no	7	39-41'	slight	16	8-11-15-19		0 fine-coarse sand with gravel	
41									
	no	8	44-46'		18	8-14-19-26		0 brown medium sand	
46									
	slight	9	49-51'	wet	15	8-17-23-30		brown medium sand	
51									
	no	10	54-56'	wet	14	7-19-23-36		20 medium brown sand	
								water table	
56									
60									
62									

BORING REPORT		WALDEN ASSOCIATES, INC. 16 SPRING STREET OYSTER BAY, NEW YORK 11771				 WALDEN ASSOCIATES, INC.			SHEET 1 OF 2			
DATE STARTED: 7/23/2003 DATE FINISHED: 7/23/2003				BORING NO. DW-20 (89 Frost St.)								
PROJECT NAME & LOCATION: Frost St., Westbury, NY				DRILLING METHOD: HAS 4 1/4"								
DRILLING CONTRACTOR: LAW		LOGGED BY: LBK		DRILLER: CP								
DEPTH BELOW GRADE	ODOR	SAMPLE			BLOWS/6"	STRATA DEPTH/ ELEV.	PID	LITHOLOGY DESCRIPTION				
		TYPE AND NO.	DEPTH (FROM-TO)	MOISTURE CONTENT	RECOVERY inch			TRACE 0-10% LITTLE=10-20%				
9												
14	no	1	1012'		5	2-4-3-4		0	brown medium sand with gravel			
19												
24	no	3	20-22'		15	5-6-10-12		0	brown coarse sand, trace gravel			
29												
34	no	5	30-32'		12	10-10-7-8		0	yellow brown coarse sand some gravel			
36												
34	slight	6	35-37'		13	8-8-10-12		41	orange, light brown sand,			

BORING REPORT		WALDEN ASSOCIATES, INC. 16 SPRING STREET OYSTER BAY, NEW YORK 11771				 WALDEN ASSOCIATES, INC.		SHEET 2 OF 2	
DATE STARTED: 7/23/2003		DATE FINISHED: 7/23/2003				BORING NO. Dw-20 (89 Frost St.)			
PROJECT NAME & LOCATION: Frost St., Westbury, NY						DRILLING METHOD: HAS 4 1/4"			
DRILLING CONTRACTOR: LAW		LOGGED BY: FHL		DRILLER: CP					
DEPTH BELOW GRADE	ODOR	SAMPLE				BLOWS/6"	STRATA DEPTH/ ELEV.	PID	LITHOLOGY DESCRIPTION
		TYPE AND NO.	DEPTH (FROM-TO)	MOISTURE CONTENT	RECOVERY inch				
36									
		7	40-42'		18	5-9-6-8			light medium brown sand
41									some gravel
		slight	8	45-47'	wet	18	6-6-9-13	107	medium light brown sand
46									moisture zone?
		strong	9	50-52'	wet	11	2-3-5-11	450	orange fine sand, trace clay
51									water table?
		strong	10	55-57'	wet	12	12-18-23-36	2000	light brown fine sand
56									under water table
60									
	strong	11	60-62'	wet	18	6-12-13-14	1997	fine brown sand with gravel	
62								under water table	



