Dvirka and Bartilucci
CONSULTING ENGINEERS

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September 15, 2011

Mr. Payson Long
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, 12th Floor
Albany, NY 12233-7013

Re: Franklin Cleaners Site (Site No. 1-30-050)
D&B Work Assignment No. D004446-01
Groundwater Sampling Report No. 1
D&B No. 2531-03

Dear Mr. Long:

The purpose of this letter is to summarize the groundwater sampling activities performed at the off-site Franklin Cleaners groundwater extraction and treatment system (see Attachment A, Figure 1) on February 24 and 25, 2010. This groundwater sampling event was completed during the operating period beginning December 1, 2009 through February 28, 2010 (Quarter 22).

Monitoring and sampling activities were conducted by New York State Department of Environmental Conservation (NYSDEC) call-out contractor, Environmental Assessment and Remediations (EAR). Reporting, data management and assessment, and additional consulting and engineering evaluation services were performed by Dvirka and Bartilucci Consulting Engineers (D&B).

Groundwater Monitoring Well Conditions

The network of groundwater monitoring wells was sampled to determine groundwater quality at, and in the vicinity of, the site. Groundwater samples were collected from three upgradient groundwater monitoring wells (ASMW-1 through ASMW-3) and four downgradient groundwater monitoring wells (ASMW-4 through ASMW-7). The locations of the groundwater monitoring wells are shown on Figure 2, provided in Attachment A.

All seven groundwater monitoring wells were accessible during field inspection activities. Although all groundwater monitoring wells were located as indicated on the site map, only three wells (ASMW-1 through ASMW-3) had visible well IDs. All seven groundwater monitoring wells were observed to be in good condition and were

sealed at the surface, with the exception of ASMW-4, which was identified as being damaged due to construction activity in the vicinity of the well.

The PVC casings for all of the groundwater monitoring wells were observed to be in good condition. Well caps and locks were present and functional on all groundwater monitoring wells with the exception of ASMW-5, where the lock was non-functional. In addition, the well measuring point was not visible on any of the groundwater monitoring wells.

A headspace reading was collected at each groundwater monitoring well immediately after the removal of the well caps utilizing a photoionization detector (PID). The groundwater monitoring wells exhibited concentrations of total volatile organic compounds (VOCs) ranging from 0.4 parts per million (ppm) to a maximum concentration of 163 ppm detected at groundwater monitoring well ASMW-7.

Based on the elevated PID readings collected from the headspace of groundwater monitoring wells ASMW-6 (140 ppm) and ASMW-7 (163 ppm), the NYSDEC authorized EAR to collect a headspace air sample from both monitoring wells for laboratory analysis of VOCs by Method TO-15. The results of the analyses of the air samples are provided in Attachment B. Total VOC concentrations of 250 ug/m^3 and 7.8 ug/m^3 were detected in ASMW-6 and ASMW-7, respectively, which included the following compounds: ethylbenzene; benzene; toluene; m & p xylene; 1,3-butadiene; carbon disulfide; and propene. Note, none of these VOCs are attributable to the Franklin Cleaners chlorinated VOC plume.

A summary of groundwater monitoring well conditions and field inspection logs for all groundwater monitoring wells assessed during this period are provided in Attachment B.

Groundwater Quality Data

The network of groundwater monitoring wells was sampled to evaluate the effectiveness of the groundwater extraction and treatment system. Groundwater samples were collected from upgradient groundwater monitoring wells ASMW-1 through ASMW-3 and downgradient groundwater monitoring wells ASMW-4 through ASMW-7 on February 24 and 25, 2010. The groundwater samples were analyzed for VOCs utilizing United States Environmental Protection Agency (USEPA) SW-846 Method 8260B. The locations of the monitoring wells are depicted on Figure 1 provided in Attachment A.

The results of the analyses of the groundwater samples collected from the monitoring wells are provided in Attachment C and are summarized on Figure 2 provided in Attachment A. The results are compared to the NYSDEC Class GA Groundwater Standards and Guidance Values. Tetrachloroethene (PCE), at a concentration of 22.0 ug/l, was detected at a concentration exceeding its Class GA Standard of 5.0 ug/l in groundwater monitoring well ASMW-1, increasing from a concentration of 11.0 ug/l detected during the previous reporting period (November 20, 2009). Groundwater sample ASMW-2 exhibited a PCE concentration of 7.5 ug/l, increasing from a concentration of 3.5 ug/l detected during the previous reporting period (November 20, 2009). However, PCE concentrations have continued to maintain a decreasing trend since 2003 in these two upgradient monitoring wells. In addition, 1,1,1-trichloroethane (4.9 ug/l) and 1,1-dichloroethene (1.5 ug/l) were also detected below their respective NYSDEC Class GA standards of 5.0 ug/l in groundwater monitoring well ASMW-1. Note that VOCs were not detected in groundwater samples collected from upgradient groundwater monitoring well ASMW-3 or downgradient

monitoring wells ASMW-4, ASMW-5, ASMW-6 and ASMW-7 during this reporting period. Attachment D includes trend line graphs which summarize PCE concentrations detected in groundwater samples collected from upgradient groundwater monitoring wells ASMW-1, ASMW-2 and ASMW-3 since June 2003 and includes a table which summarizes historical PCE concentrations detected in groundwater samples collected from all groundwater monitoring wells.

A gross plume model depicting the estimated extent of the PCE plume is provided as Figure 3 in Attachment A. Note that, due to the limited number of sample and data points within the vicinity of the treatment system, the plume extent depicted on Figure 3 is based on a low PCE concentration of 5 ug/l. In addition, note that, due to the limited number of sample and data points within the vicinity of the treatment system, the overall extent of the PCE plume is estimated. In comparison to the previous reporting period, the plume extent has slightly increased southwards of the upgradient groundwater monitoring wells primarily due to the increase in PCE concentration detected in groundwater monitoring wells ASMW-1 and ASMW-2. PCE was detected at respective concentrations of 22.0 ug/l and 7.5 ug/l in groundwater monitoring wells ASMW-1 and ASMW-2 during this reporting period, compared to respective concentrations of 11.0 ug/l and 3.5 ug/l detected during the previous reporting period. It may be warranted to install additional groundwater monitoring wells to the west and south of this area in order to better define the PCE plume.

Groundwater sampling for Quarter 23 is scheduled for May 2010.

Data Validation

The groundwater sampling has been analyzed by Test America Laboratories (TAL), Shelton, CT. Groundwater samples were analyzed for VOCs. The data packages submitted by TAL have been reviewed for completeness and compliance with the NYSDEC Analytical Services Protocol (ASP) Quality Assurance/Quality Control (QA/QC) requirements. All sample results have been deemed valid and usable for environmental assessment purposes.

Data Validation Checklists are presented in Attachment E.

Findings

Based on the results of the groundwater sampling conducted during this reporting period, D&B offers the following findings:

- Concentrations of PCE detected in groundwater monitoring well ASMW-1 increased from 11.0 ug/l (November 20, 2009) to 22.0 ug/l this reporting period. Groundwater monitoring well ASMW-1 continues to exhibit an overall decreasing trend from a high of 27.0 ug/l (November 2005) for the past 4-year period.
- Concentrations of PCE detected in groundwater monitoring well ASMW-2 increased from 3.5 ug/l detected during the previous reporting period (November 20, 2009) to 7.5 ug/l this reporting period. Groundwater monitoring well ASMW-2 continues to exhibit an overall decreasing trend from a high of 69.0 ug/l (November 2005) for the past 4-year period.

- PCE concentrations remain non-detect in upgradient monitoring well ASMW-3 and downgradient groundwater monitoring wells ASMW-4, ASMW-5, ASMW-6 and ASMW-7.
- As the downgradient early warning groundwater monitoring wells continue to exhibit non-detect VOC concentrations, D&B concludes that the selected remedy is functioning as intended by the Record of Decisions (ROD). In addition, based on review of analytical data received from the Village of Rockville Centre, the Village's Public Supply Well located to the south of Molloy College and downgradient of the groundwater treatment system continues to exhibit non-detect concentrations of chlorinated VOCs.
- According to information received from the Director of Facilities at Molloy College, no new groundwater irrigation wells have been installed on the Molloy College property, which is located immediately downgradient of the Franklin Cleaners off-site groundwater extraction and treatment system.
- A new DER-10 document, dated May 2010, has been implemented since the March 1998 ROD was issued.
- The toxicity data, cleanup levels and remedial action objectives, as defined in the March 1998 ROD, remain unchanged.

Recommendations

Based on the results of performance monitoring conducted during this reporting period, D&B offers the following recommendations:

- Continue groundwater monitoring through the existing groundwater monitoring well network to determine contaminant concentration trends over time and to evaluate the continued effectiveness of the remediation system.
- In order to better define the extent of the PCE plume, as presented on Figure 3 in Attachment A, it is recommended to install a minimum of five additional temporary groundwater monitoring wells, with two monitoring wells located to the west and three monitoring wells located to the south of the existing groundwater monitoring well network. If requested by the NYSDEC, additional details and/or a Monitoring Well Installation Plan can be prepared.
- Replace the damaged/removed surface seal and protective well casing/manhole for groundwater monitoring well ASMW-4.
- Replace the non-functional lock on groundwater monitoring well ASMW-5.
- Based on the non-detect concentrations in ASMW-4 and ASMW-5 since June 2003 and ASMW-6 and ASMW-7 since February 2005, it may be warranted to reduce the sampling frequency of these wells to twice a year, as a means to reduce overall sampling and analysis costs, as well as to reduce the environmental footprint associated with groundwater sampling and analysis.

Please do not hesitate to contact me at (516) 364-9890, Ext. 3094, if you have any questions.

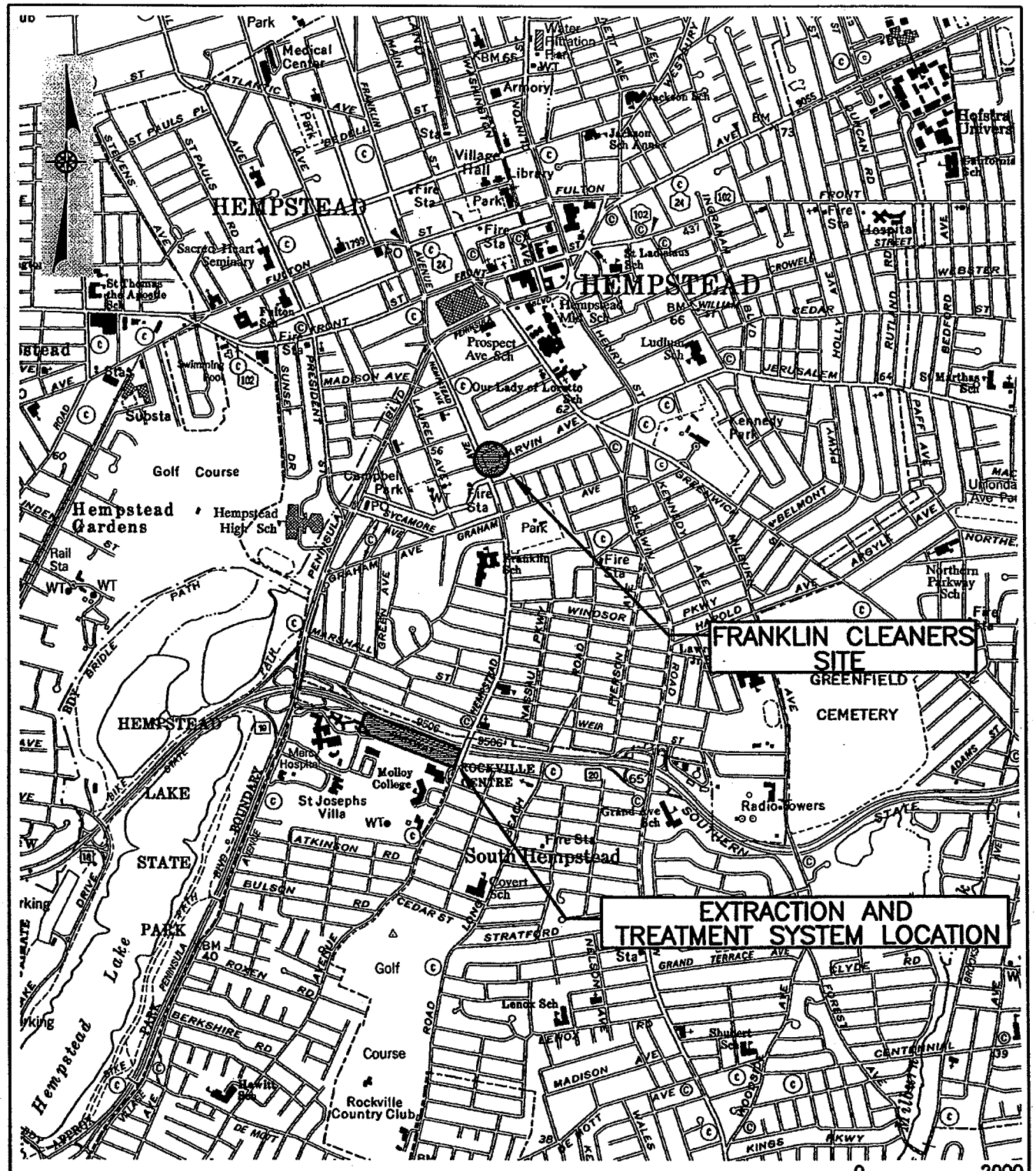
Very truly yours,

Stephen Tauss
Project Manager

SET/LP/jmy
Attachments
cc: J. Trad (NYSDEC)
J. Multari (Molloy College)
J. Neri (H2M)
R. Walka (D&B)
F. DeVita (D&B)
P. Martorano (D&B)
♦2531\SET031611PL_GW RPT 1.DOC(R01)

ATTACHMENT A

FIGURES



SOURCE: USGS FREEPORT AND LYNBROOK QUADRANGLES

FRANKLIN CLEANERS SITE
VILLAGE OF HEMPSTEAD, NEW YORK

SITE LOCATION MAP

FIGURE 1

Dvirka and Bartilucci CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

ASMW-1							
DATE SAMPLED	08/19/08	12/03/08	03/19/09	05/18/09	08/13/09	11/20/09	02/25/10
GW ELEVATION (4)	25.64	25.69	26.39	26.76	26.82	26.84	27.14
COLLECTED BY	D&B	D&B	D&B	D&B	D&B	D&B	EA
Constituent							
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	1.5J
Acetone	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	5.2J	6.4J	2.3J	2.4J	4.9J
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5.6J	9.1J	16	11	10	11	22
Xylene (total)	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND

ASMW-2							
DATE SAMPLED	08/19/08	12/03/08	03/19/09	05/18/09	08/13/09	11/20/09	02/25/10
GW ELEVATION (4)	25.67	26.15	26.10	26.59	26.69	25.85	26.81
COLLECTED BY	D&B	D&B	D&B	D&B	D&B	D&B	EA
Constituent							
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	ND
Methyl acetate	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	3.5J	5.0J	16	10	4.2J	3.5J	7.5J
Xylene (total)	ND	ND	ND	ND	ND	ND	ND

ASMW-3							
DATE SAMPLED	08/19/08	12/03/08	03/19/09	05/18/09	08/13/09	11/20/09	02/25/10
GW ELEVATION (4)	26.44	26.09	26.89	27.39	27.51	26.54	27.59
COLLECTED BY	D&B	D&B	D&B	D&B	D&B	D&B	EA
Constituent							
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	2.7J	2.0J	ND	ND	ND	ND	ND
Xylene (total)	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND

ASMW-4							
DATE SAMPLED	08/18/08	12/03/08	03/19/09	05/18/09	08/13/09	11/20/09	02/25/10
GW ELEVATION (4)	24.11	24.41	25.06	25.31	25.41	24.86	25.79
COLLECTED BY	D&B	D&B	D&B	D&B	D&B	D&B	EA
Constituent							
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND

ASMW-5							
DATE SAMPLED	08/18/08	12/03/08	03/19/09	05/18/09	08/13/09	11/20/09	02/25/10
GW ELEVATION (4)	22.91	23.85	28.70	24.69	24.33	24.20	24.88
COLLECTED BY	D&B	D&B	D&B	D&B	D&B	D&B	EA
Constituent							
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	ND	ND	ND	ND	ND	ND	ND

ASMW-6						
DATE SAMPLED	12/03/08	03/19/09	05/18/09	08/13/09	11/20/09	02/24/10
GW ELEVATION (4)	23.60	24.73	24.02	23.66	24.13	24.86
COLLECTED BY	D&B	D&B	D&B	D&B	D&B	EA
Constituent						
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND
Xylene (total)	ND	ND	ND	ND	ND	ND

ASMW-7						
DATE SAMPLED	12/03/08	03/19/09	05/18/09	08/13/09	11/20/09	02/24/10
GW ELEVATION (4)	22.48	23.11	22.96	21.87	23.21	23.49
COLLECTED BY	D&B	D&B	D&B	D&B	D&B	EA
Constituent						
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND
Xylene (total)	ND	ND	ND	ND	ND	ND

GROUNDWATER MONITORING WELLS				
WELL NUMBER	WELL DEPTH (TOC)	SCREEN LENGTH	GROUND SURFACE ELEVATION (4)	TOP OF CASING ELEVATION (4)
ASMW-1	90'-0"	10'-0"	48.09	47.29
ASMW-2	90'-0"	10'-0"	46.91	46.25
ASMW-3	90'-0"	10'-0"	47.37	46.99
ASMW-4	110'-0"	10'-0"	44.50	44.06
ASMW-5	133'-0"	10'-0"	44.64	44.25
ASMW-6	132'-0"	10'-0"	43.64	43.33
ASMW-7	250'-0"	20'-0"	43.56	43.21

TAX LOT 36-C-221
MERCY HOSPITAL ASSOCIATION
LIBER 4894 PAGE 133

TAX LOT 36-C-219

ASMW-1
EW-2
EW-1
ASMW-2
ASMW-3
N/F STATE OF NEW YORK
SOUTHERN S
CONTRACT LIMITS
APPROXIMATE LOCATION GAS LINE AS SHOWN IN FIELD BY MOLLOY COLLEGE PERSONNEL VERIFY IN FIELD BEFORE DIGGING
RYAN MEDICAL ARTS BUILDING 4-STORY BRICK
S73°04'22"E
412.12'
N19°21'38"E 501.74'
501.74'
242.07'
WILLIAM A.
WILBUR HAYS 2-STORY BR
ASMW-4
ASMW-5
ASMW-7
ASMW-6
MCOL-1
N-3745 (WELL 4B)
N-72 (WELL 4A)
N-8218 (WELL 4C)
TAX
104E
COL
LIBER

LEGEND:

- GROUNDWATER MONITORING WELL
- GROUNDWATER EXTRACTION WELL
- IRRIGATION WELL
- FORMER GROUNDWATER PROBE

0 120 240
SCALE IN FEET

NOTES:
1. GROUNDWATER SAMPLES ANALYZED BY USEPA METHOD OLMO 4.2
2. RESULTS REPORTED ONLY FOR COMPOUNDS DETECTED ABOVE MDL
3. RESULTS ARE REPORTED IN MICROGRAMS PER LITER (ug/l)
4. MEASURED IN FEET ABOVE MEAN SEA LEVEL

ABBREVIATIONS:
D – DILUTED
J – ESTIMATED
ND – NOT DETECTED

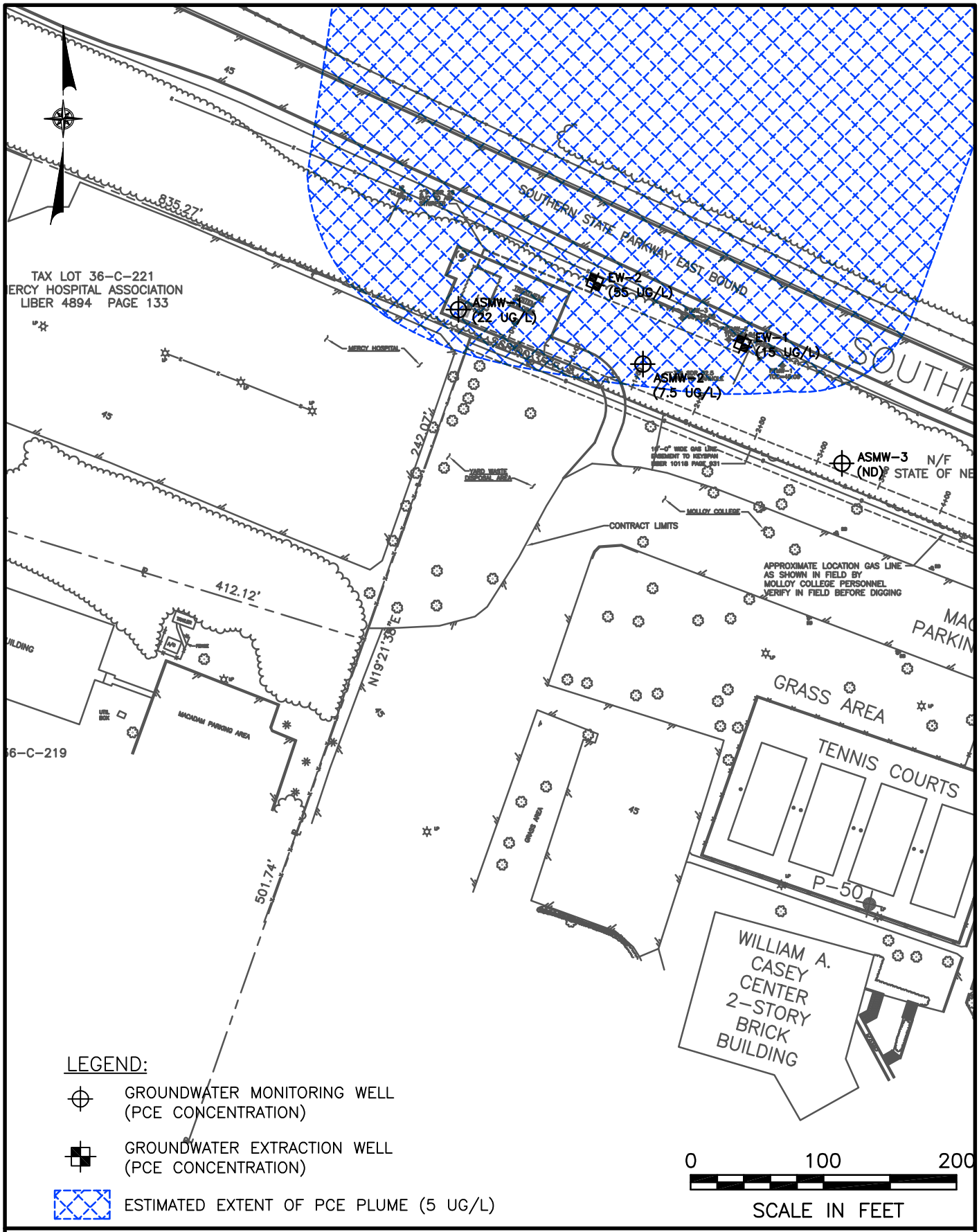
FRANKLIN CLEANERS SITE
VILLAGE OF HEMPSTEAD, NEW YORK

MONITORING WELL LOCATION MAP AND SUMMARY OF SAMPLE RESULTS THROUGH FEBRUARY 25, 2010

FIGURE 2

Dvirka and Bartilucci CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

F:\2531\DWG\Quarterly Reports\Quarter 22\FIGURE 2.dwg, FIG 2, 12/28/2010 3:02:05 PM, dbcadd



F:\2531\dwg\Quarterly Reports\Quarter 22\FIGURE 3.dwg, Layout3, 1/20/2011 5:23:32 PM, dbcadd

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A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

FRANKLIN CLEANERS SITE
VILLAGE OF HEMPSTEAD, NEW YORK

GROSS PLUME MODEL

FIGURE 3

ATTACHMENT B

GROUNDWATER MONITORING WELL INSPECTION LOGS AND SUMMARY OF CONDITIONS

FRANKLIN CLEANERS SITE
NYSDEC CONTRACT No. D004446 / SITE No. 1-30-050
RESULTS OF ANALYSIS OF MONITORING WELL HEADSPACE FOR VOCs

SAMPLE ID	ASMW-6	ASMW-7
SAMPLE TYPE	AIR	AIR
DATE OF COLLECTION	4/15/2010	4/15/2010
COLLECTED BY	EAR	EAR
UNITS	(ug/m^3)	(ug/m^3)
VOCs		
cis-1,2-Dichloroethene	U	U
t 1,3 Dichloropropene	U	U
Freon 114	U	U
Acetone	U	U
Ethanol	U	U
Ethyl Acetate	U	U
Ethylbenzene	4.6	U
Trichlorofluoromethane	U	U
Heptane	U	U
Hexachloro-,1,3-Butadiene	U	U
Hexane	U	U
2-Hexanone	U	U
Isopropyl Alcohol	U	U
Methylene Chloride	U	U
Benzene	3.7	U
Benzyl Chloride	U	U
Styrene	U	U
1,1,2,2 Tetrachloroethane	U	U
Tetrachloroethene	U	U
Tetrahydrofuran	U	U
Toluene	4.7	U
1,2,4 Trichlorobenzene	U	U
1,1,1 Trichloroethane	U	U
1,1,2 Trichloroethane	U	U
Trichloroethlyene	U	U
1,2,4 Trimethylbenzene	U	U
1,3,5 Trimethylbenzene	U	U
Vinyl Acetate	U	U
Vinyl Chloride	U	U
o-Xylene	U	U
t butylmethylether	U	U
1,2,2 Trifluoro-1,1,2 Tricloroethane	U	U
m + p Xylene	4.3	U
Bromodichloromethane	U	U
1,2 Dibromoethane	U	U
Methyl Ethyl Ketone	U	U
4-Methyl-2-Pentanone	U	U
Bromoform	U	U
Bromomethane	U	U
1,3 Butadiene	4.3	U
4-Ethyltoluene	U	U
Carbon Disulfide	200	7.8
Carbon Tetrachloride	U	U
Chlorobenzene	U	U
Dibromochloromethane	U	U
Chloroethane	U	U
Chloroform	U	U
Chloromethane	U	U
Propene	28	U
Cyclohexane	U	U
1,2 Dichlorobenzene	U	U
1,3 Dichlorobenzene	U	U
1,4 Dichlorobenzene	U	U
Dichlorodifluoromethane	U	U
1,1 Dichloroethane	U	U
1,2 Dichloroethane	U	U
1,1 Dichloroethene	U	U
trans-1,2-Dichloroethene	U	U
1,2 Dichloropropane	U	U
c 1,3 Dichloropropene	U	U
Total VOCs	249.6	7.8

ABBREVIATIONS:
ug/m^3 - Micrograms per cubic meter

QUALIFIERS:
U: Compound analyzed for but not detected.

Franklin Cleaners Site
NYSDEC CONTRACT No. D004446 / SITE No. 1-30-050
Summary of Monitoring Well Conditions

Monitoring Well I.D.	ASMW-1	ASMW-2	ASMW-3	ASMW-4	ASMW-5	ASMW-6	ASMW-7
Date of inspection	2/25/2010	2/25/2010	2/25/2010	2/25/2010	2/25/2010	2/24/2010	2/24/2010
Well visible?	Yes	Yes	Yes	Yes	**No**	**No**	**No**
Well I.D. visible?	Yes	Yes	Yes	**No**	**No**	**No**	**No**
Well location match site map?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Surface seal present?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Surface seal competent?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Protective casing in good condition?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Headspace reading (ppm)	15.8	23.3	55.3	0.4	0.6	**140**	**163**
Protective casing material type	Steel	Steel	Steel	Steel	Steel	Steel	Steel
Lock present?	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Lock functional?	Yes	Yes	Yes	Yes	**No**	Yes	Yes
Lock replaced?	--	--	--	--	**No**	--	--
Evidence that the well is double cased?	--	--	No	No	No	No	No
Well measuring point visible?	--	--	**No**	**No**	**No**	**No**	**No**
Total depth from TOC (feet)	91.50	88.93	92.70	108.35	134.31	132.20	250.00
DTW from TOC (feet)	20.15	19.44	19.40	18.27	19.37	18.47	19.72
TOC Elevation (feet amsl)	47.29	46.25	46.99	44.06	44.25	43.33	43.21
Groundwater Elevation (feet amsl)	27.14	26.81	27.59	25.79	24.88	24.86	23.49
Well diameter (inches)	2	2	2	2	2	2	6
Well casing material	PVC	PVC	PVC	PVC	PVC	PVC	PVC
Physical condition of visible well casing	Good	Good	Good	Good	Good	Good	Good

ABBREVIATIONS:

TOC - Top of casing
DTW - Depth to water
AMSL - Above mean sea level

SITE NAME: FRANKLIN CLEANERS

SITE ID.: 30050
INSPECTOR: KS, RH, PB
DATE/TIME: 2-25-16 1245
WELL ID.: ASMW-1

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X _____ NYTM Y _____		
PDOP Reading from Trimble Pathfinder: _____ Satelites: _____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:		
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	
HEADSPACE READING (ppm) AND INSTRUMENT USED: PID-1.6		15.8
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)		—
PROTECTIVE CASING MATERIAL TYPE:		—
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):		
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)		
WELL MEASURING POINT VISIBLE?		
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):		91.50
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):		80.15
MEASURE WELL DIAMETER (Inches):		2
WELL CASING MATERIAL:		PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:		Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE		
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES		~~NEAR~~ YES Under Ground

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Easy Access Next to System Building.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Next to System & FENCE
NONE

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

NONE.

REMARKS:

Need 3 Keys to existing locks & recommend Changing to 3253

Sketch

SITE NAME: FRANKLIN CLEANERS

SITE ID.: 130050
INSPECTOR: KS, KH + PB
DATE/TIME: 2-25-10 1130
WELL ID.: ASMW-2

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: 2

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED: PID-16 — 23.3
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)
PROTECTIVE CASING MATERIAL TYPE:
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)		
WELL MEASURING POINT VISIBLE?		

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 88.93
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 19.49
MEASURE WELL DIAMETER (Inches): 2
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good.
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: Good
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NO

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:
NEED Keys FOR well Caps - ~~OBE~~ or recomend putting 3753 Keys & Locks.

Sketch

SITE NAME: FRANKLIN CLEANERS.

SITE ID.: 130050
INSPECTOR: KS, KH, PB
DATE/TIME: 2/25/10 12:00
WELL ID.: A8TMW-3

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: 3

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED: PID-1.6 — 55.3
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable) —
PROTECTIVE CASING MATERIAL TYPE: —
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): —

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 92.70
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 19.40
MEASURE WELL DIAMETER (Inches): 2
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE —
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NONE

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Access impaired when weather is Heavy Rain! Muddy-Truck use not recommended - Bring Generator for pumps. No over head power -

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Semi - clearing in Wooded Area - Accessable.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
NONE.

REMARKS:
Need Keys to well caps or recomend changing to 3753 locks.

Sketch

SITE NAME: Franklin Cleaners

SITE ID.: 130050
INSPECTOR: KS, KH
DATE/TIME: 2-25-10 1000
WELL ID.: MSMW-4

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (If not, sketch actual location on back)	✓	

	YES	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	✓	
SURFACE SEAL PRESENT? (Construction) But needs work.	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below) Needs work.	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED: PID: 16	0.4
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	
PROTECTIVE CASING MATERIAL TYPE:	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	108.35
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	18.27
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	MARKER DRILLED
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

ESE - Overhead & Underground

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Side walk, under Construction area.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

NONE.

REMARKS:

Need Keys for locking well Caps. Recommend replacment. W/3753.

Sketch

SITE NAME: Franklin Cleaners

SITE ID.: 130050
INSPECTOR: KS, KH
DATE/TIME: 2-25-10
WELL ID.: ASMW-5

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)		✓

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

	YES	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	✓	
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED: PID-16	0.6
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	—
PROTECTIVE CASING MATERIAL TYPE:	—
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	—

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?		✓
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	134.31
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	19.37
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	OK
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	Underground

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Easy

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
End of Pavement in Dirt

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None

REMARKS:
Need new locking well cap and Lock.

Sketch

SITE NAME: FRANKLIN CLEANERS

SITE ID.: 130060
INSPECTOR: KH
DATE/TIME: 2-24-10 / 0730
WELL ID.: 45MW6

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below) Dirt Covering		✓

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED: PID M 140 ppm — 140 ppm
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)
PROTECTIVE CASING MATERIAL TYPE:
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	132.2
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	18.47
MEASURE WELL DIAMETER (Inches):	2
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NO
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NO

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.): ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
ACCESS- Good- Parking Lot- Arrive early to Avoid School Traffic Parking.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Parking Lot under construction AS presently. For new well Cap to be installed- Construction of area necessary.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
NONE

REMARKS:

Sketch

SITE NAME: FRANKLIN CLEANERS

SITE ID.: 180050
INSPECTOR: KH
DATE/TIME: 2/4/10 / 0845
WELL ID.: MW-7

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below) Dirt Covering (Construction)		✓

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

well loose in manhole

HEADSPACE READING (ppm) AND INSTRUMENT USED PID - 11 163 ppm — 163 ppm
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)
PROTECTIVE CASING MATERIAL TYPE:
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes, describe below)		✓
WELL MEASURING POINT VISIBLE?		✓

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	250
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	19.72
MEASURE WELL DIAMETER (Inches):	6"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NO
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NO

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Access not a problem - Parking area next to Arrow 6. Approximately 6 Feet

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
None.

REMARKS:

Sketch

ATTACHMENT C

RESULTS OF GROUNDWATER ANALYSIS

FRANKLIN CLEANERS SITE
NYSDEC CONTRACT No. D004446 / SITE No. 1-30-050
RESULTS OF GROUNDWATER SAMPLING

SAMPLE ID	ASMW-1	ASMW-2	ASMW-3	ASMW-4	ASMW-5	ASMW-6	ASMW-7	NYSDEC CLASS GA GROUNDWATER STANDARDS
SAMPLE	WATER	WATER	WATER	WATER	WATER	WATER	WATER	
DATE OF	2/25/2010	2/25/2010	2/25/2010	2/25/2010	2/25/2010	2/24/2010	2/24/2010	
COLLECTED	EAR	EAR	EAR	EAR	EAR	EAR	EAR	
UNITS	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
Dichlorodifluoromethane	U	U	UJ	U	U	U	U	5 ST
Chloromethane	U	U	U	U	U	U	U	--
Vinyl chloride	U	U	U	U	U	U	U	2 ST
Bromomethane	U	U	UJ	U	U	U	U	5 ST
Chloroethane	U	U	U	U	U	U	U	5 ST
Trichlorofluoromethane	U	U	U	U	U	U	U	5 ST
1,1-Dichloroethene	1.5 J	U	U	U	U	U	U	5 ST
1,1,2-Trichloro-1,2,2-trifluoroethane	U	U	U	U	U	U	U	5 ST
Acetone	UJ	UJ	U	UJ	UJ	U	U	50 GV
Carbon disulfide	U	U	U	U	U	U	U	60 GV
Methyl acetate	U	U	U	U	U	U	U	--
Methylene chloride	U	U	U	U	U	U	U	5 ST
trans 1,2-Dichloroethene	U	U	U	U	U	U	U	5 ST
Methyl-tert butyl ether	U	U	U	U	U	U	U	10 GV
1,1-Dichloroethane	U	U	U	U	U	U	U	5 ST
cis-1,2-Dichloroethene	U	U	U	U	U	U	U	5 ST
2-Butanone	U	U	U	U	U	U	U	50 GV
Chloroform	U	U	U	U	U	U	U	7 ST
1,1,1-Trichloroethane	4.9 J	U	U	U	U	U	U	5 ST
Cyclohexane	U	U	U	U	U	U	U	--
Carbon tetrachloride	U	U	U	U	U	U	U	5 ST
Benzene	U	U	U	U	U	U	U	1 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	0.6 ST
Trichloroethene	U	U	U	U	U	U	U	5 ST
Methylcyclohexane	U	U	U	U	U	U	U	--
1,2-Dichloropropane	U	U	U	U	U	U	U	1 ST
Bromodichloromethane	U	U	U	U	U	U	U	50 GV
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	0.4 ST
4-Methyl-2-pentanone	U	U	U	U	U	U	U	--
Toluene	U	U	U	U	U	U	U	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	0.4 ST
1,1,2-Trichloroethane	U	U	U	U	U	U	U	1 ST
Tetrachloroethene	**22**	**7.5**	U	U	U	U	U	5 ST
2-Hexanone	U	U	U	U	U	U	U	50 GV
Dibromochloromethane	U	U	U	U	U	U	U	50 GV
1,2-Dibromoethane	U	U	U	U	U	U	U	5 ST
Chlorobenzene	U	U	U	U	U	U	U	5 ST
Ethylbenzene	U	U	U	U	U	U	U	5 ST
Xylene (total)	U	U	U	U	U	U	U	5 ST
Styrene	U	U	U	U	U	U	U	5 ST
Bromoform	U	U	U	U	U	U	U	50 GV
Isopropylbenzene	U	U	U	U	U	U	U	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	5 ST
1,3-Dichlorobenzene	U	U	U	U	U	U	U	3 ST
1,4-Dichlorobenzene	U	U	U	U	U	U	U	3 ST
1,2-Dichlorobenzene	U	U	U	U	U	U	U	3 ST
1,2-Dibromo-3-chloropropane	U	U	UJ	U	U	U	U	0.04 ST
1,2,4-Trichlorobenzene	UJ	UJ	U	UJ	UJ	U	U	5 ST

NOTES:

Concentration exceeds NYSDEC Class GA Groundwater Standards or Guidance Values

ABBREVIATIONS:

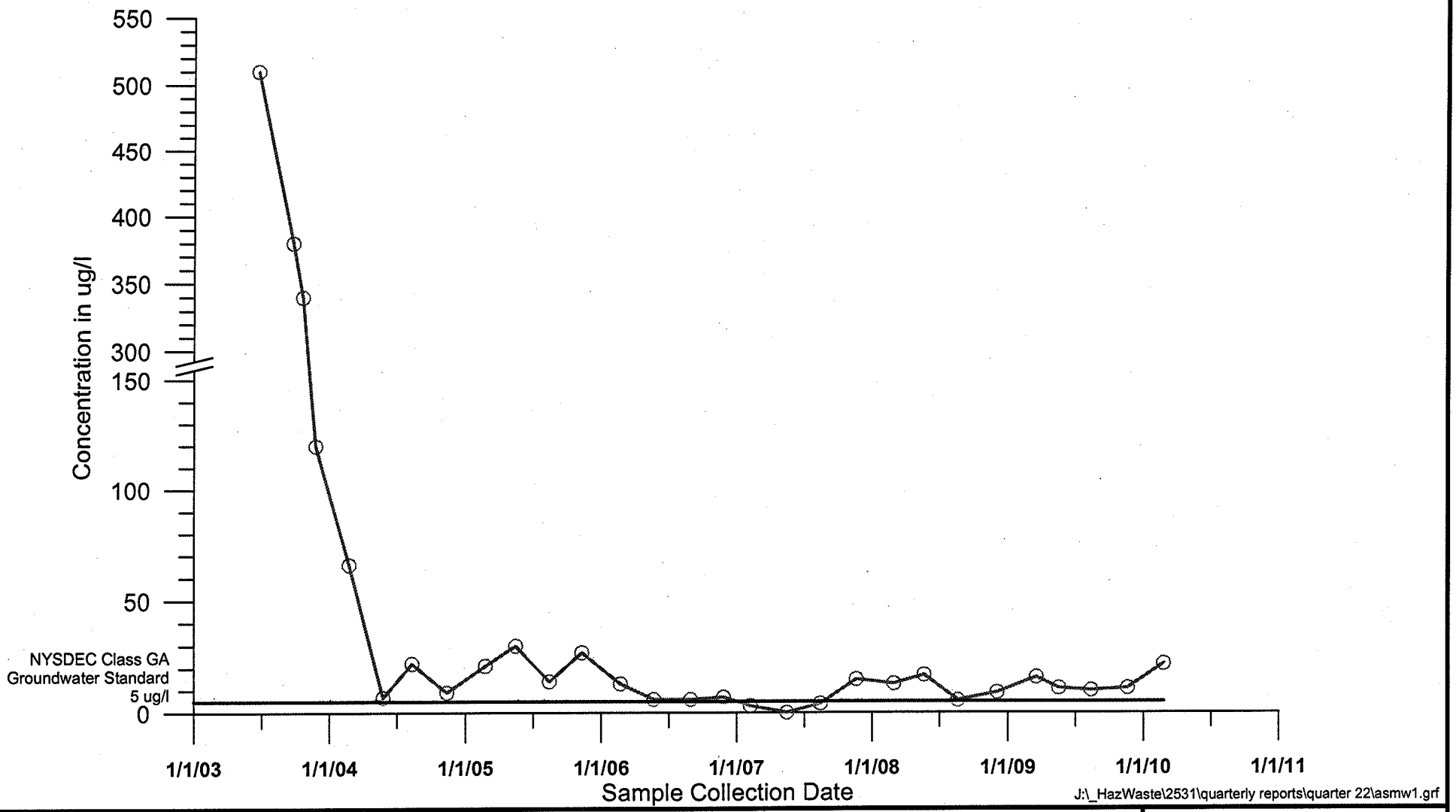
ug/L = Micrograms per liter
--: Not established
ST: Standard Value
GV: Guidance Value

QUALIFIERS:

U: Compound analyzed for but not detected
J: Compound found at a concentration below CRDL, value estimated

ATTACHMENT D

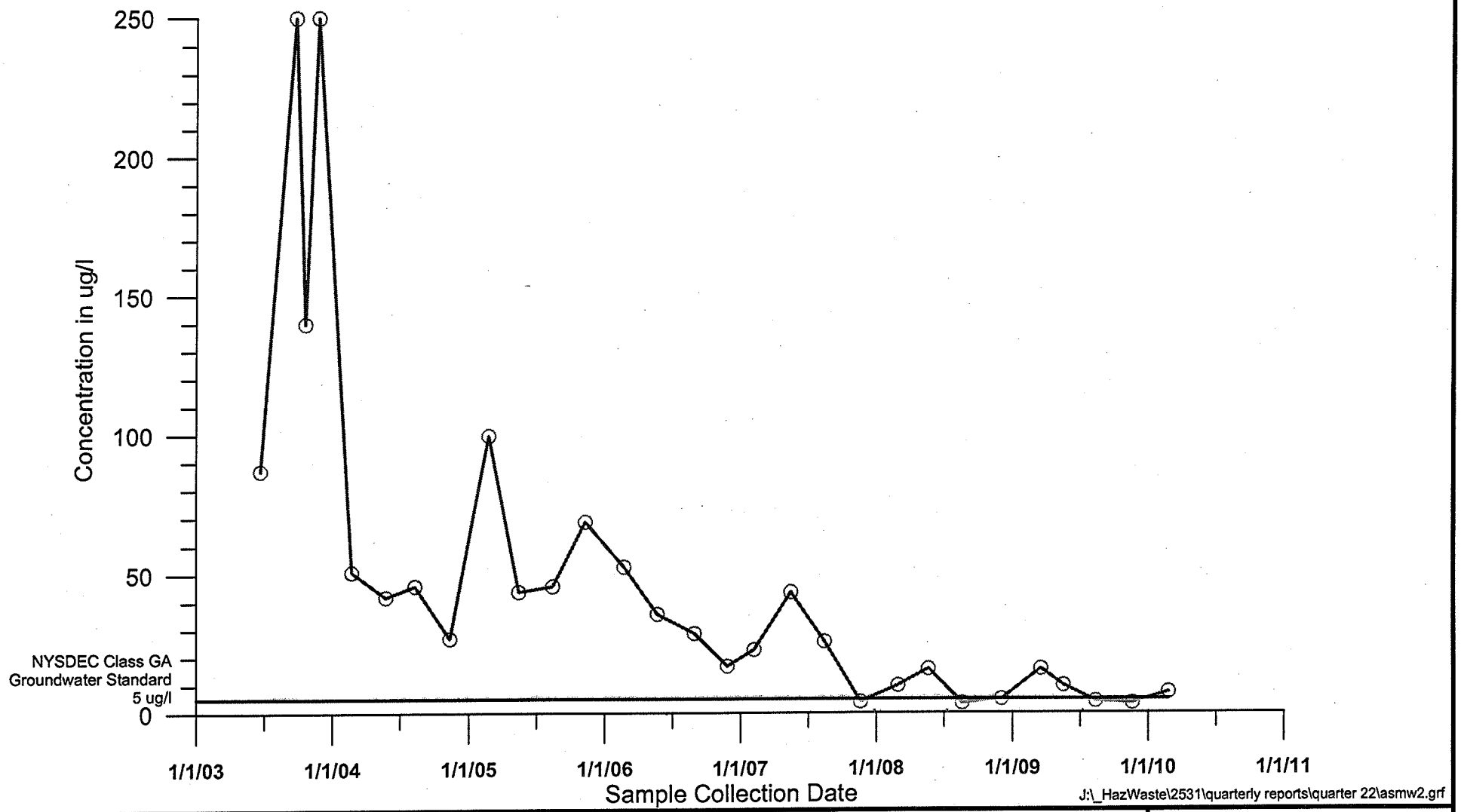
MONITORING WELL TREND LINE GRAPHS AND HISTORICAL CONCENTRATE TABLE



Dvirka and Bartilucci
CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Franklin Cleaners Site
NYSDEC Contract No. D004446 / Site No. 1-30-050
Tetrachloroethene for Groundwater Monitoring Well ASMW-1

Graph
1



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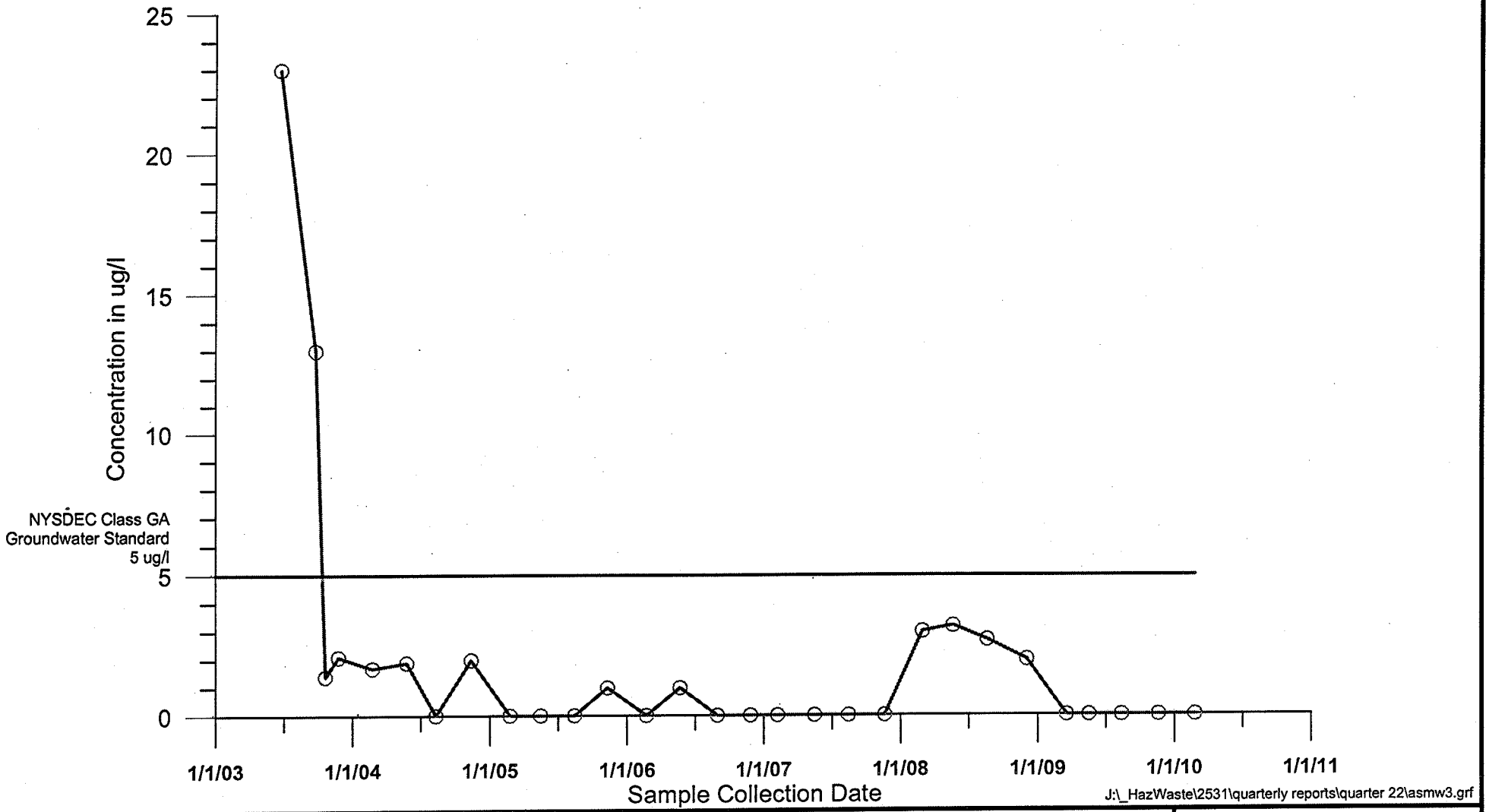
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

Franklin Cleaners Site
NYSDEC Contract No. D004446 / Site No. 1-30-050
Tetrachloroethene for Groundwater Monitoring Well ASMW-2

Graph
2



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Franklin Cleaners Site
NYSDEC Contract No. D004446 / Site No. 1-30-050
Tetrachloroethene for Groundwater Monitoring Well ASMW-3

Graph
3

Franklin Cleaners Site
NYSDEC CONTRACT No. D004446 / SITE No. 1-30-050
Groundwater Monitoring Wells
PCE Concentrations

Tetrachloroethene (PCE) in ug/l Class GA Standard = 5 ug/l							
SAMPLE ID	ASMW-1	ASMW-2	ASMW-3	ASMW-4	ASMW-5	ASMW-6	ASMW-7
SAMPLE TYPE	WATER	WATER	WATER	WATER	WATER	WATER	WATER
DATE							
6/23/03	**510**	**87**	**23**	U	U	NA	NA
9/25/03	**380**	**250**	**13**	U	U	NA	NA
10/21/03	**340**	**140**	1.4	U	U	NA	NA
11/25/03	**120**	**250**	2.1	U	U	NA	NA
2/23/04	**66**	**51**	1.7	U	U	NA	NA
5/25/04	**6.8**	**42**	1.9	U	U	NA	NA
8/11/04	**22**	**46**	U	U	U	NA	NA
11/12/04	**9.0**	**27**	2.0	U	U	NA	NA
2/24/05	**21**	**100**	U	U	U	U	U
5/16/05	**30**	**44**	U	U	U	U	U
8/15/05	**14**	**46**	U	U	U	U	U
11/11/05	**27**	**69**	1.0	U	U	U	U
2/23/06	**13**	**53**	U	U	U	U	U
5/23/06	**6.0**	**36**	1.0	U	U	U	U
8/31/06	**6.0 J**	**29**	U	U	U	U	U
11/27/06	**7.0 J**	**17**	U	U	U	U	U
2/2/07	3.0 J	**23**	U	U	U	U	U
5/17/07	U	**44**	U	U	U	U	U
8/15/07	4.0 J	**26**	U	U	U	U	U
11/20/07	**15**	4.0 J	U	U	U	U	U
2/28/08	**13**	**10**	3.0 J	U	U	U	U
5/20/08	**17**	**16**	3.2 J	U	U	U	U
8/19/08	**5.6 J**	3.5 J	2.7 J	U	U	U	U
12/3/08	**9.1 J**	5.0 J	2.0 J	U	U	U	U
3/19/09	**16**	**16**	U	U	U	U	U
5/18/09	**11**	**10**	U	U	U	U	U
8/13/09	**10**	4.2	U	U	U	U	U
11/20/09	**11**	3.5	U	U	U	U	U
2/25/10	**22**	**7.5**	U	U	U	U	U

NOTES:

Concentration exceeds NYSDEC Class GA Groundwater Standard

ABBREVIATIONS:

ug/L = Micrograms per liter
--: Not established
ST: Standard Value
GV: Guidance Value

QUALIFIERS:

U: Compound analyzed for but not detected
J: Compound found at a concentration below CRDL, value estimated

ATTACHMENT E

DATA VALIDATION CHECKLISTS

DATA VALIDATION CHECK LIST

Project Name:	Franklin Cleaners aka Hempstead
Project Number:	2531-03
Sample Date(s):	February 25, 2010
Matrix/Number of Samples:	Water/ 5 Trip Blank/0
Analyzing Laboratory:	TestAmerica Laboratories, Shelton, CT
Analyses:	Volatile Organic Compounds (VOCs): USEPA SW846 Method 8260B
Laboratory Report No:	220-11566 Date:3/15/2010

ORGANIC ANALYSES
VOCS

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X	X		
B. Trip blanks					X
C. Field blanks					X
3. Matrix spike (MS) %R					X
4. Matrix spike duplicate (MSD) %R					X
5. MS/MSD precision (RPD)					X
6. Laboratory Control Sample (LCS) %R		X	X		
7. LCS duplicate (LCSD) %R					X
8. LCS/LCSD precision (RPD)					X
9. Surrogate spike recoveries		X		X	
10. Instrument performance check		X		X	
11. Internal standard retention times and areas		X		X	
12. Initial calibration RRF's and %RSD's		X		X	
13. Continuing calibration RRF's and %D's		X	X		
14. Field duplicates RPD					X

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:
Performance was acceptable with the following exceptions:

2A. Methylene chloride and/or 1,2,4-trichlorobenzene were detected in the method blank. They were not detected in the associated samples and therefore did not impact the usability of the reported sample results.

6. The %R was above the QC limit for carbon disulfide in the LCS associated with ASMW-3. The %R was above the QC limit for acetone the LCS associated with ASMW-1, ASMW-2, ASMW-4

and ASMW-5. They were not detected in the samples and therefore did not impact the usability of the reported sample result.

13. The %Ds were above the QC limit for dichlorodifluoromethane, bromomethane, 1,2-dibromo-3-chloropropane, n-butylbenzene, naphthalene and 1,2,3-trichlorobenznene in the continuing calibrations associated with ASMW-3. The %Ds were above the QC limit for acetone, hexachlorobutadiene, 1,2,4-trichlorobenzene, naphthalene and 1,2,3-trichlorobenznene in the continuing calibrations associated with ASMW-1, ASMW-2, ASMW-4 and ASMW-5. The above compounds were not detected in the associated samples and were qualified as estimated (UJ) in associated samples.

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 4/7/2010
VALIDATION PERFORMED BY SIGNATURE: