## New York State Department of Environmental Conservation Division of Environmental Remediation Bureau of Hazardous Site Control

ADDITIONS/CHANGES TO REGISTRY: SUMMARY OF APPROVALS

SITE NAME: VALLEY FALLS DRY CLEANERS	DEC I.D. NUMBER 441018
Current Classification 2	Volunteer Yes No Sign (7) below
Activity: Add as Class Reclassify to 4	Delist Category Modify
Approvals:	
1. Regional Hazardous Waste Engineer Yes	No 3/12/52
2. BEEI of NYSDOH Yes	No 3/8/22
3. DEE Yes 🔍	No
4 Remediation Action Yes Bureau Director [Class 2]	No
5. BHSC - Investigation Section Yes	No [
6. BHSC - O&M Section [Class 4] Yes	No // 1/22
7. BPM - Brownfield & Voluntary Cleanup Section	Ctr Date 3/29/02
8. Site Control Section	Dani Jam Date 4/5/02
9. Director	11/1/ Jaim Date 4/8/02
Completion Checklist for Registry Sites	Completed By: <u>Initials</u> <u>Date</u>
OWNER NOTIFICATION LETTER?	5-30-02 6-17-02
ADJACENT PROPERTY OWNER NOTIFICATION LETTER?	6-17-02
ENB/LEGAL NOTICE SENT? (For Deletion Only)	
COMMENTS SUMMARIZED/PLACE IN REPOSITORY	7
FINAL NOTIFICATION SENT TO OWNER?  (For Deletion Only)	



## SITE INVESTIGATION INFORMATION

1. SITE NAME	•	2. SITE NUMBER	3. TOWN/CITY/VILLAGE	4. COUNTY
Valley Falls Dry Clea	ner Site	4-42-028	Valley Falls (V)	
5. REGION	6. CLASSIFICATION			
4		CURRENT [2]	PROPOSED [ 4 ] MODIFICATION	Χ
7. LOCATION OF SITE (Attac	h U.S.G.S. Topographic Map	showing site location)		
a. Quadrangle		b. Site Latitude 42	° <u>53</u> ′ <u>50</u> ″ Site Longitude <u>73</u> ° <u>3</u>	<u>33 ' 40 "</u>
c. Tax Map Number(s) 22	1,22-4-12	d. Site Street Address	11 Lyons Street, Valley Falls, NY 12185	
8. BRIEFLY DESCRIBE THE S	ITE (Attach site map showing	disposal/sampling locations)		
at 11 Lyons Street in the inco	orporated Village of Valley Fall v Cleaners and Valley Falls Dry	s, Rensselaer County, New Y	es are serviced by private drinking water wells. It of York. The site operated as a dry cleaning facility fro ator discharged perchloroethene (PCE) wastes direc	om the 1940s to the mid 1970s
The remedial action (RA) inclu underground storage tanks, a			excavation and removal for off-site disposal of all F	CE contaminated soil, three
a. Area <u>1.2</u> acres	b. Completed: ( ) Env. Propo	erty Assessment () PSA ()	SI () ESI () IRM ()RI/FS () Construction () C	0&M (X)Other Remedial Action
9. HAZARDOUS WASTE DIS	POSED (Include EPA Hazardou	ıs Waste Numbers)		
23,721 gallons of hazardous	liquids - F002 waste			
10. ANALYTICAL DATA AVA	NLABLE			
a. ()Air (X)Groundwater b. Contravention of Standa	r ()Surface Water ()Sed ards or Guidance Values	iment (X)Soil ()Waste	()Leachate ()EPTox ()TCLP	
	Std/GW	<u>GW</u> 11 ppb		
Tetrachloroethe	ne .7 ppb	11 ppb		
11. CONCLUSION				
three underground storage tar	nks, a septic tank, a dry well a	and restoration of the site. T	er wells, excavation and removal for off-site disposa The remedial construction was completed on March is to this effect are included in the Post Constructio	7, 2000 in accordance with
a. Institutional Controls (IC) R Residences with contaminate	•	-	c. Are these ICs in par Activated Carbon Filter Units.	lace and verified? ( , ) Y ( )N
12. SITE IMPACT DATA				
a. Nearest Surface Water: Dis	tance <u>2640</u> ft.	Direction N	Class <u>B</u>	
b. Groundwater: Depth15	ft.	Flow Direction SE	( )Sole Source (X)Primary ( )C	Other High-Yield Aquifer
c. Water Supply: Distance	none ft.	Direction	Active ()Yes ()No	
d. Nearest Building: Distance	<u>60</u> ft.	Direction N	Use <u>Residence</u>	
e. Documented fish or wildlife	mortality?	( )Y (X)N	h. Exposed hazardous waste?	( )Y (X)N
f. Impact on special status fis	h or wildlife resource?	( )Y (X)N	i. If proposed Classification is 2, Priority	? ()1 ()2 ()3
g. Controlled Site Access?		(X)Y ()N	j. EPA ID# <u>NYR000084137</u>	HRS Score
13. SITE OWNER'S NAME		14. ADDRESS		15. TELEPHONE NUMBER
Theodore and Lois Chmielews	:bi	i i	, Falls, New York 12185	518-753-0311
16. PREPARER	/ni	T T CYOIN OLIOCH VANO	17. APPROVED	1
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	10-27-	- On	& Red / Waring	4/8/02
Signature			Signature Date	
Lech Dolata, Env. Eng. I, NYS			l —	review, BHSC
	itle, Organization		Name, Title, Organization	
ivaille, i	icio, Organización		itanio, mas, organization	

From: Robert Evans

To: Desnoyers, Dale; Geisendorfer, Alan; Hamilton, Eric; Leslie, Robert; Quartararo,

Anthony; Schick, Robert

**Date:** 3/22/02 2:42PM

Subject: Proposed Reclass ( 2 to 4 ): Valley Falls Dry Cleaners ID # 442028

Valley Falls Dry Cleaners located on 11 Lyons Street Valley Falls, NY 12185, Rensslaer County is proposed to be reclassified in the Registry of IHWDS to a Class 4. As you know, the Brownfields/Voluntary Cleanup Section must sign off on all listing packages indicating whether there are any voluntary cleanup agreements, Brownfields agreements, MGP agreements, or any VC or BF negotiations under way.

We have no information in our files on this site. Please notify me within 3 days if you are aware of any information indicating the site associated with any of the above-referenced programs. Thanks - Bob

Flanigan Square, 547 River Street, Troy, New York 12180-2216

Antonia C. Novello, M.D., M.P.H., Dr.P.H. Commissioner Dennis P. Whalen
Executive Deputy Commissioner

March 8, 2002

MAR 1 3 2002

Mr. Dennis Farrar
Bureau of Hazardous Site Control
Division of Environmental Remediation
NYS Dept. of Environmental Conservation
625 Broadway – 11<sup>th</sup> Floor
Albany, New York 12233-7013

Re: Site Investigation Information

Valley Falls Dry Cleaners

Site #442028

Valley Falls, Rensselaer County

Dear Mr. Farrar:

Staff reviewed the Site Investigation Information package recommending reclassification of the Valley Falls Dry Cleaner site from a Class 2 to a Class 4 on the New York State Registry of Inactive Hazardous Waste sites. The selected remedy for the site was completed in March 2000 in accordance with the February 1998 Record of Decision. The remedy includes the replacement of three residential drinking water wells, excavation and removal and off-site disposal of contaminated soils, and the removal of three underground storage tanks, a septic system and a drywell. Long term monitoring of private drinking water quality and maintenance of residential water treatment units is ongoing.

I, therefore, concur with the proposed reclassification of the site from a Class 2 to 4. The signed decision form is enclosed.

If you have any questions, please call Mr. Michael Rivara at (518) 402-7850.

Sincerely,

Gary A. Litwin, Director

Bureau of Environmental Exposure Investigation

Enclosure



#### ROD RECLASS INFORMATION

#### MEMORANDUM

TO:

· J. Swartwout

Investigation Section

· E. Hamilton

Regional Hazardous Waste Remediation Engineer

· G. Rider, O&M Section (As Needed)

• A. Grant, DEE

A. Carlson, DOH, Bureau of Environmental Exposure Investigation

FROM:

Robert Marino, Site Control Section, Division of Environmental Remediation

SUBJECT:

Review of Classification Package for Site # 442.02.8

DATE:

November 21, 2000

Valley Fal 15 Dry Cleaners

2 > 4

The attached "Registry Site Investigation Information Form" is included for your information.

If unacceptable, please return with an explanation of your position in a separate memo or letter as soon as possible.

Please keep the supporting documentation for your records.

NOTE: This site is being reclassed by Record of Decision (ROD). The ROD was signed on

February 20 , 1998

Attachment(s)



**Division of Environmental Remediation** 

Valley Falls Dry Cleaners
Site No. 4-42-028
Village of Valley Falls
Town of Pittstown
Rensselaer County, New York

## Post Remediation Report

**Bureau of Construction Services** 

September 2000

New York State Department of Environmental Conservation GEORGE E. PATAKI, *Governor* JOHN P. CAHILL, *Commissioner* 

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	Figure 7 Recovery Well - Cross Sect	ion
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D.	Well Logs	

#### 1. Background

#### 1.1 Site location

The Valley Falls Dry Cleaner site is located in a residential area where single family homes are serviced by private drinking water wells. It occupies 1.2 acres and is located at 11 Lyons Street in the incorporated Village of Valley Falls, Town of Pittstown, Rensselaer County, New York. The site is approximately 0.5 mile from Hoosic River.

### 1.2 Site History

The site operated as a dry cleaning facility from the 1940s to the mid 1970s under the names Winchell Dry Cleaners and Valley Falls Dry Cleaners. It is believed that the dry cleaning operation discharged perchloroethene (PCE) wastes directly onto the ground surface and into an on-site septic system.

In January 1992, the NYSDOH sampled nine private wells in the area. Subsequently, the USEPA provided bottled water and installed granular activated carbon/ultraviolet units at six of the residences that exceeded the NYSDOH drinking water standard of 5 ppb. The NYSDEC completed a Phase I assessment of the site in June 1993, and the site was listed on the NYS Registry as a class 2 inactive hazardous waste disposal site. The NYSDEC conducted in-house remedial investigation work from early 1996 to December 1996. The ROD was issued on February 20, 1998. The remedial action was designed in-house by the Bureau of Central Remedial Action staff. The design was completed in March 1999.

## 2. Summary of Remedial Work performed under the remedial construction contract.

The contract was awarded to the Tyree Organization, Inc. of Latham, New York with Notice to Proceed date of January 7, 2000. Resident inspector was Russ Shaver of NYSDEC.

### 2.1 Scope of the Site Remediation Project

The scope of the contract work included replacement of three residential drinking water wells, excavation and disposal of PCE contaminated soil, a 1,000 gallon underground storage tank, a septic tank, a dry well,

confirmatory soil sampling, backfilling of the excavations and installation of a 8 inch soil cover over the disturbed areas.

The contract required excavation and removal of contaminated soil exhibiting concentration of perchloroethene (PCE) greater than 0.84 ppm.

#### 2.2 Important Milestone Dates

Bid opening date:

September 22, 1999

Notice to Proceed date:

January 7, 2000

Mobilization date:

January 13, 2000

Substantial Completion date: March 7, 2000 Final completion date:

April 5, 2000

Cost of the project

2.3

Engineer's estimate: \$174,700.00

The lowest bid: Change Order No.1:

\$172,380.00 \$48,237.33

The final cost:

\$220,617.33

#### 2.4 Significant variations from the contract documents

### <u>Underground Storage Tanks (USTs)</u>

The original contract provided for the removal of one 1000 gallons UST. As the excavation continued, two additional USTs were found. One tank had 500 gallons capacity, while the second one had 2,000 gallons capacity. Both tanks were used in the past for storage of petroleum products, they were corroded, and their contents leaked to the soil. These UTCs were excavated, cleaned and disposed off site.

#### Soil

The original contract called for the excavation and an off-site disposal of 120 tons of hazardous soil and debris and 85 tons of non-hazardous contaminated soil. No hazardous soil was found. The contractor excavated 269.49 tons of non-hazardous contaminated soil. This quantity overrun was dictated by the presence of petroleum contamination in the soil, beyond the designed limits of the excavation. During the excavation, the soil was screened using Photoionization Detector (PID) instrument.

The excavation continued until all contaminated soil was removed. The classification of the soil for disposal was based on STARS Memo #2 and the soil analytical results obtained from TOXICON CORPORATION of Bedford, Massachusetts, TAGM 3028.

Since the horizontal and vertical extent of petroleum related contamination exceeded the original estimate the Department decided to installed a 10 inch recovery well (see the attached Fig. - 7), which could be used for recovery of contaminated groundwater, should it become necessary.

Also, the Department ordered an additional soil investigation, to determine the extent of petroleum related contamination in the soil. The contractor took 26 soil Geoprobe samples, to a depth of 12 feet, and performed head space analysis using PID analyzer. The boring logs and PID screening results are attached in Appendix D.

### Installation of Residential Water Wells

The contract specifications required the contractor to achieve a minimum yield of 5 gallons per minute (gpm) from each of the newly installed residential water wells, at an average well depth of 300 ft. This requirement was not met. The well installed at 9 Edward Street went to a depth of 500 feet and yielded only 3.0 gpm. The well at 12 Charles Street went to a depth of 500 feet and yielded 1.5 gpm and the well at 31 State Street was abandoned at a depth of 275 ft because there was minimal water. Also, this well was hydraulically connected to the old contaminated well. Since it was impractical to drill any deeper, the Department decided to decommission the new borehole and re-drill the existing well, as it was capable of yielding a sustained acceptable flow. The contractor decommissioned the new well and re-drilled the existing water well to a depth of 225 feet and a yield of 3.6 gpm. The contractor also supplied potable water to the residence at 31 State Street during decommissioning and re-drilling operations and monitored the performance of the existing water treatment system during the well development period.

The final location of the wells differed from their design location. The new locations for the residential wells were evaluated and selected during an on-site meeting by representatives of NYSDOH, Rensselaer County

Health Department (RCHD) and NYSDEC. This evaluation was performed with a view to select the best location for each well, taking into account the location of the septic tanks.

### 2.5 Cleanup goals

The following cleanup goals were specified in the Record of Decision:

Perchloroethene (PCE)

0.84 ppm

Petroleum

10 ppm, no odors

The specified cleanup goals were met across the excavated area and were verified by the post-excavation confirmatory sampling performed in 45 locations. Appendix B contains a tabulation of the post construction soil sampling results.

### 2.6 Change Orders

The Department issued one change order. The cost of Change Order No.1(Final) was \$55,800.33 and it included the following modifications resulting in a revised contract amount of \$228,180.33.

## MODIFICATION 1. REMOVAL AND DISPOSAL OF UNDERGROUND STORAGE TANK (UST)

The original contract called for the removal of one 1000 gallon UST. However, during the remedial work, the contractor encountered two 550 gallon tanks and one 2000 gallon tank. The USTs were corroded, and their contents contaminated the surrounding soil. All three USTs had to be excavated and removed for off-site disposal. The cost of this work was determined on a Time and Materials (T&M) basis to be \$19,810.

### MODIFICATION 2. ADDITIONAL RESIDENTIAL WELL DRILLING

The contract specifications required the contractor to achieve a minimum yield from each of the wells installed as a part of the remedial work. To achieve this required yield and to make these wells productive, the contractor had to drill an additional 375 linear feet in excess of the contract quantity. This modification resulted in an extra cost of \$15,675.00 that were determined using the contractual unit rate of \$41.80 per linear foot.

## MODIFICATION 3. ADDITIONAL CONSTRUCTION WATER MANAGEMENT.

Since the groundwater that accumulated in the excavation had to be removed to protect the stability of slopes and to allow excavation of the contaminated soil to continue, the contractor pumped out the contaminated water, stored, and transported for off-site disposal an additional 13,531 gallons. This modification resulted in an extra cost of \$17,319.68, that was determined using the contractual unit rate of \$1.28 per gallon.

## MODIFICATION 4. DECOMMISSIONING OF RESIDENTIAL WELLS AT 9 EDWARD STREET AND 31 STATE STREET.

The NYSDOH required that residential drinking water wells that are to be no longer used, be properly decommissioned to protect the aquifer. The contractor was, therefore, directed to decommission the existing contaminated water well at 9 Edward Street, after the new well was installed. The cost of this additional work was determined on T&M basis to be \$23,719.22. This cost included supply of drinking water to the residents at 21 State Street.

## MODIFICATION 5. ADDITIONAL BACKFILL MATERIAL

The contractor placed and compacted an additional 16 cubic yards of backfill which was necessary to bring the site surface to the required grade as a part of the site restoration. The cost of this additional work was determined to be \$243.20 based on the contractual unit rate of \$15.20 per cu. yd.

## MODIFICATION 6. ADDITIONAL EXCAVATION AND DISPOSAL OF NON-HAZARDOUS SOIL & DEBRIS

During the remedial action, the contractor excavated and removed for offsite disposal an additional 180.49 cubic yards of non-hazardous soil and debris at an extra cost of \$14,258.71 that was determined using the contractual unit rate of \$79.00 per cu. yd.

## MODIFICATION 7. FINAL ADJUSTMENT OF CONTRACT QUANTITIES

The quantities under bid item Nos. UP-1, UP-2, UP-4, UP-5, LS-3, UP-13, UP-14 and UP-15 were underrun. This modification provided the Department with a credit of (\$35,225.48).

### 2.7 Disposal Facilities

All contaminated non-hazardous soil was disposed at:

City of Albany Landfill, 525 Rapp Road Albany, New York 12205

USTs were disposed at:

NH Kelman, Inc. 41 Euclid Street Cohoes, NY 12147

Hazardous liquids were classified as F002 (due to the presence of PCE) and were disposed at:

United Oil Recovery, Inc. 136 Gracey Ave. Meridan, CT 06451 Received 23,531 gallons of hazardous liquids.

Cycle Chem, Inc. 217 South First Street Elizabeth, N.J. 07206 Received 190 gallons of hazardous liquids.

### 3.0 Engineer's Certification

## VALLEY FALL DRY CLEANER SITE CONSTRUCTION CERTIFICATION

Construction was completed in substantial conformance with the Contract Documents entitled "Valley Falls Dry Cleaner, Site NO. 4-42-028, Village of Valley, Falls, Town of Pittstown, Rensselaer County, New York, Site Remediation Project dated March 1999 and Addendum No. 1 dated September 15, 1999.



Signature:

James G. Van Hoesen, P.E. Designated Representative

Date:

10-10-00

# APPENDIX A ORIGINAL TABULATION OF BIDS RECEIVED

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### APPENDIX B

## POST CONSTRUCTION SOIL SAMPLING LOCATION AND RESULTS

## New York State Department Of Environmental Conservation

Site Remediation Project
Valley Falls Dry Cleaner Soil Excavation
Valley Falls, New York
Site # 4-42-028

## Verification Soil Sample Results Summary

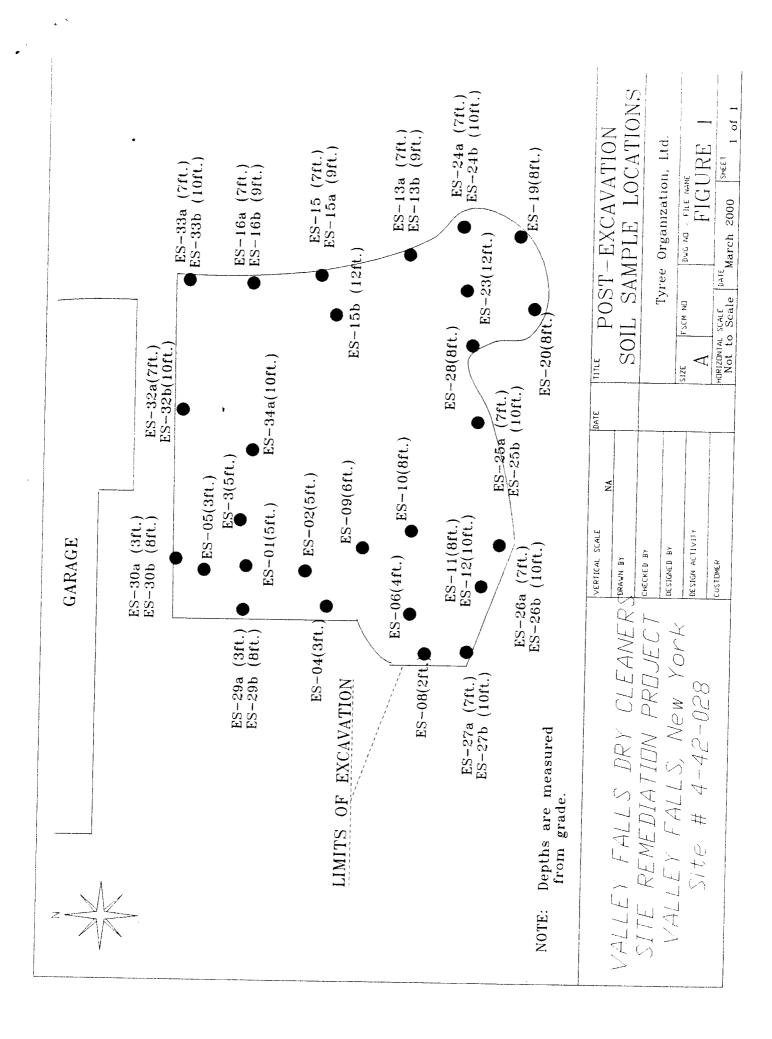
All values reported in mg/kg

Target Cleanup Goal is 0.84 mg/kg

Sample #	PCE	Petroleum	1	ASP pack	age	Notes	
[ <u></u>					•		
ES-1	0.029			X	]		
ES-2	0.079			Х	]		
ES-3	0.095	ND		Х			
ES-4	0.026	ND		Х			
ES-5	0.15	, ND		Х	]		
ES-6	ND	ND		Х	1		
ES-7	0.011	ND		Х			
ES-8	0.004	ND		Х			
ES-9	0.097	ND		Х			
ES-10	0.023	ND		Х			
ES-11	87,000	5400		Х	further exca	avation; # 12	2 is resample
ES-12	0.18	148		Х		, ·•	1 ~
	ND	ND		Х			
	ND	ND		Х			
	ND	ND		Х			
ES-15	0.015	ND		Х			
ES-15a	0.011	ND		Х			
	ND	ND		Х			
ES-16	0.008	ND		Х			
ES-16a	0.012	ND		Х			
ES-18	0.009	ND		X			
ES-18a	0.089	ND		Х			
ES-19	0.005	ND		Х			
ES-20	0.022	ND		Х			
ES-21	0.005	ND		Х			
ES-22	0.004	ND		Х			
ES-23	0.014	ND		Х			
ES-24a	0.003	ND		Х			
ES-24b	0.25	ND		Х			
ES-25a	0.077	ND		Х			
ES-25b	0.059	ND		Χ			
ES-26a	0.009	ND		Χ			
ES-26b	0.071	ND		Х			
EG-27a	0.032	ND		Х			
\$-27byre		ND		Х			
∥ Organ	ization	<del>_</del>	-	······································			

ES-28a	0.017	ND	X
ES-29a	0.007	ND	X
ES-29b	0.054	ND	X
ES-30a	0.012	ND	X
ES-30b	0.23	ND	X
ES-31	0.017	ND	X
ES-32a	0.013	ND	X
ES-32b	0.16	ND	X
ES-33a	0.009	ND	X
ES-33b	0.24	ND	X
ES-34a	0.23	ND	X

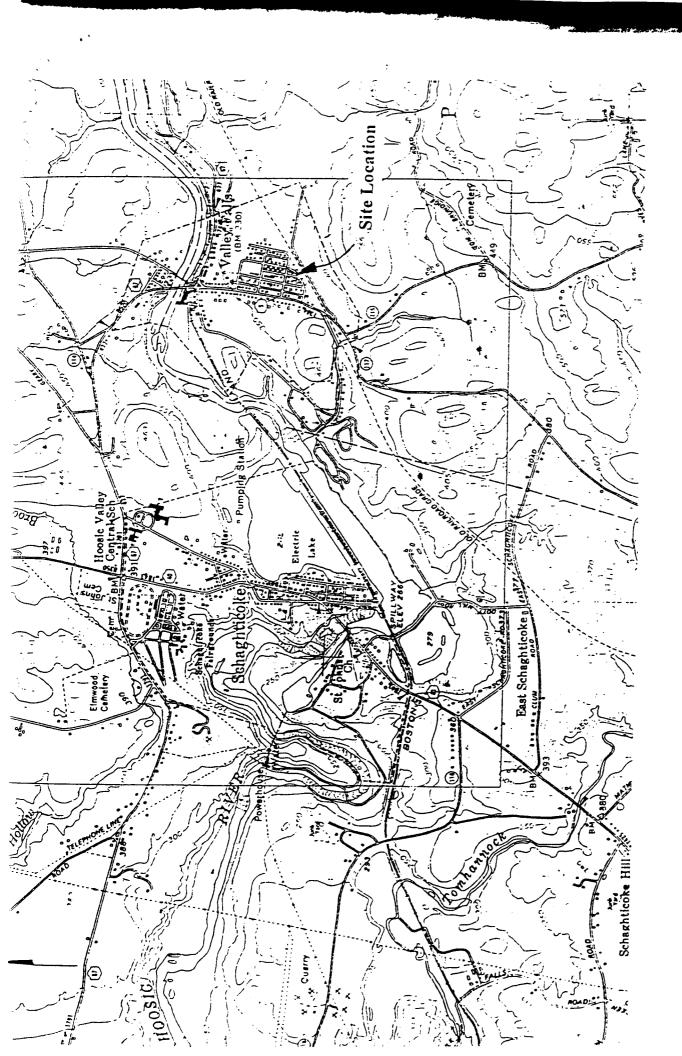




## APPENDIX C

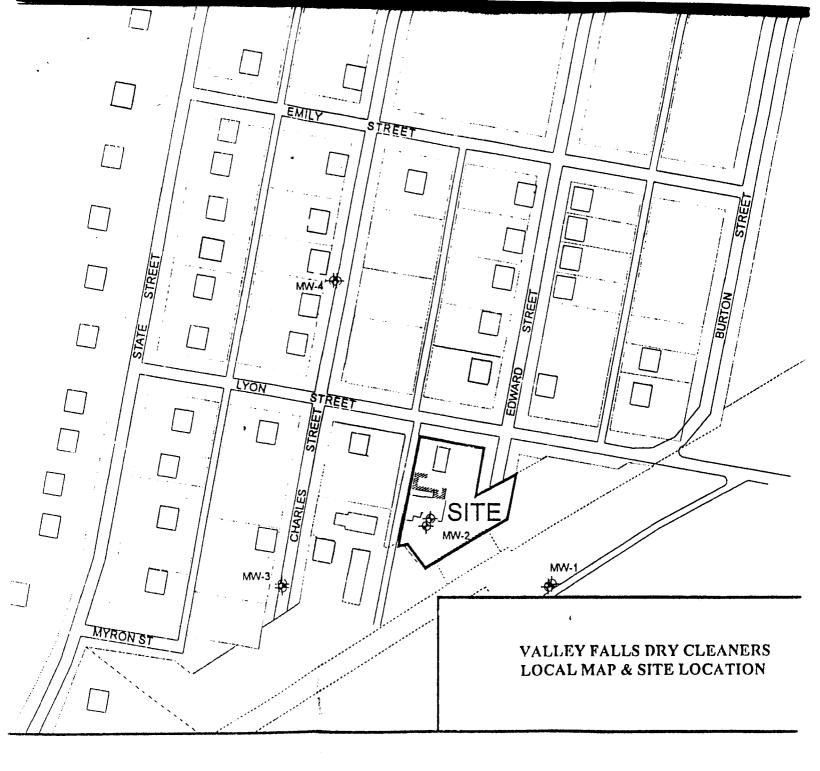
### **DRAWINGS**

Figure 1-2  Figure 2-1  Figure 2-2  Figure 7  Figure 7-1  Local Site Location Map  Soil Boring Location Field Sketch Recovery Well - Cross Section  Recovery Well Location	Figure 1-1	General Site Location Map
Figure 2-2 Soil Boring Location Field Sketch Figure 7 Recovery Well - Cross Section	Figure 1-2	Local Site Location Map
Figure 2-2 Soil Boring Location Field Sketch Figure 7 Recovery Well - Cross Section	Figure 2-1	Soil Boring Location Map
Figure 7 Recovery Well - Cross Section	Figure 2-2	
	Figure 7	<del>-</del>
	Figure 7-1	

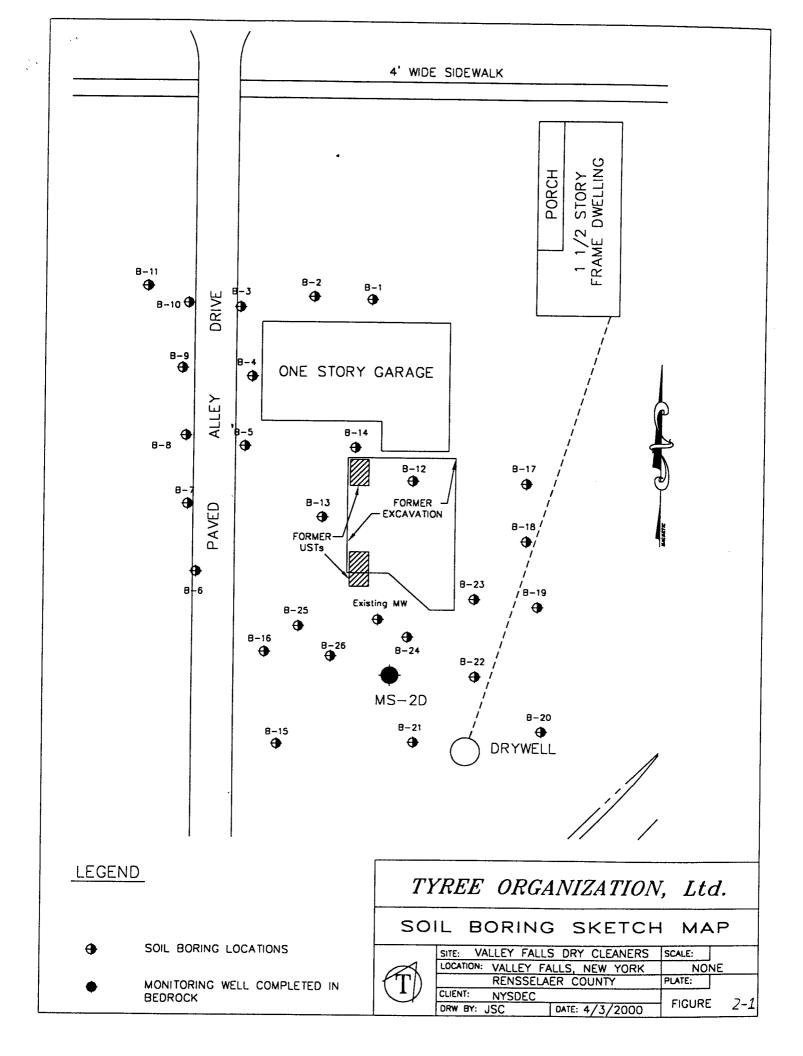


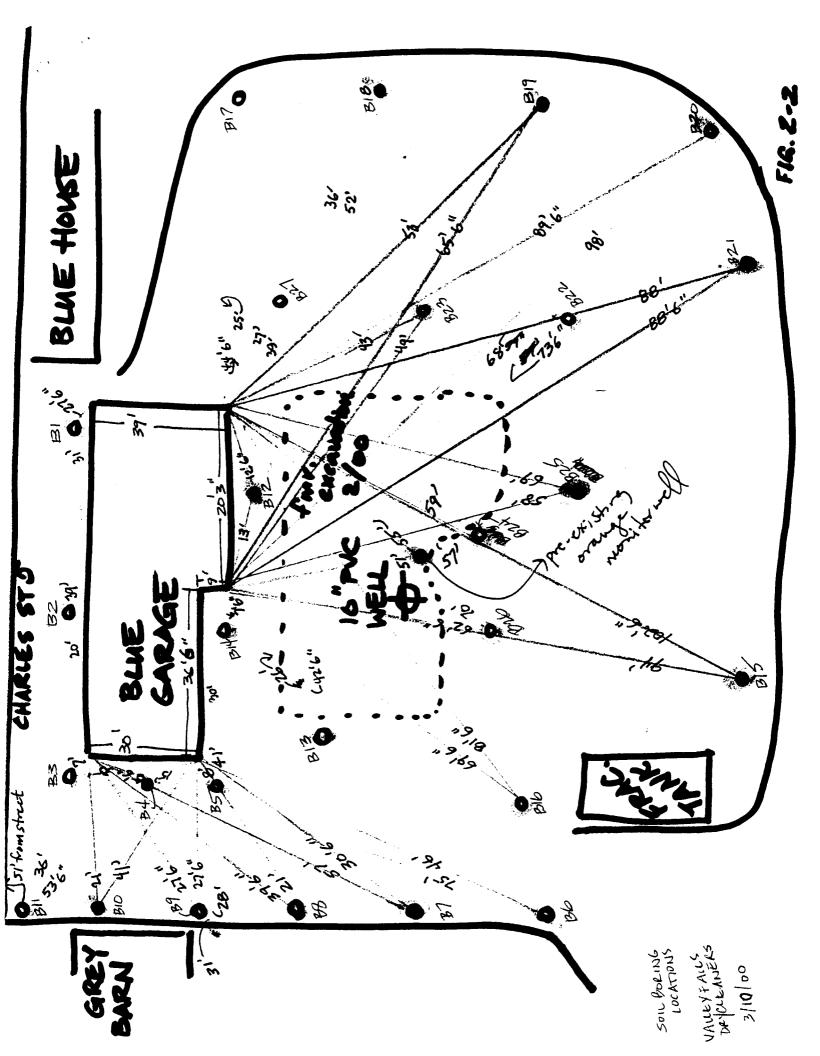
GENERAL LOCATION MAP SCHAGHTICOKE QUADRANGLE NOT TO SCALE

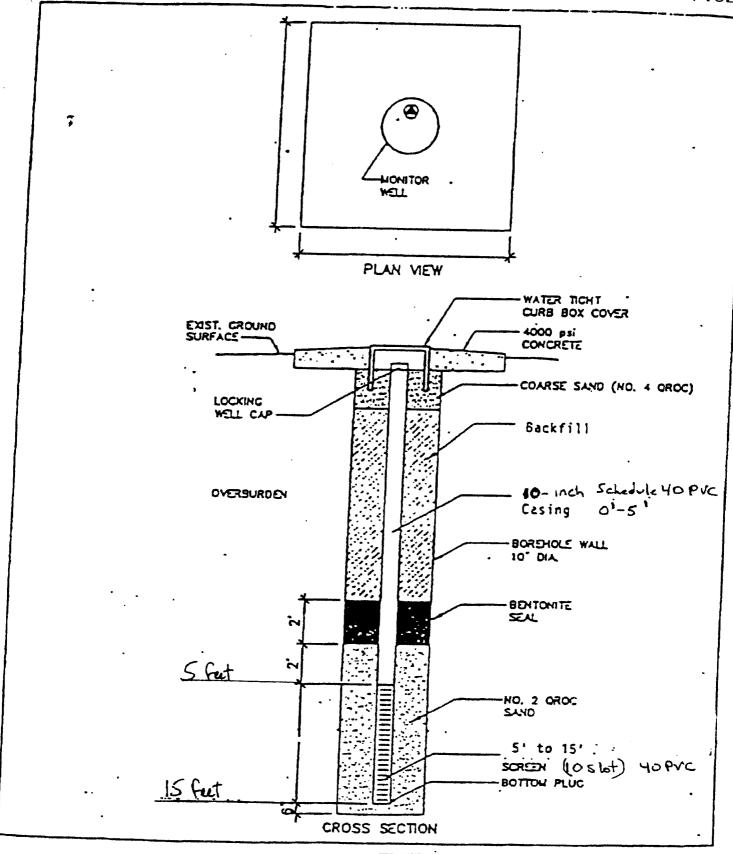
FIG. 1-1



## LOCAL MAP



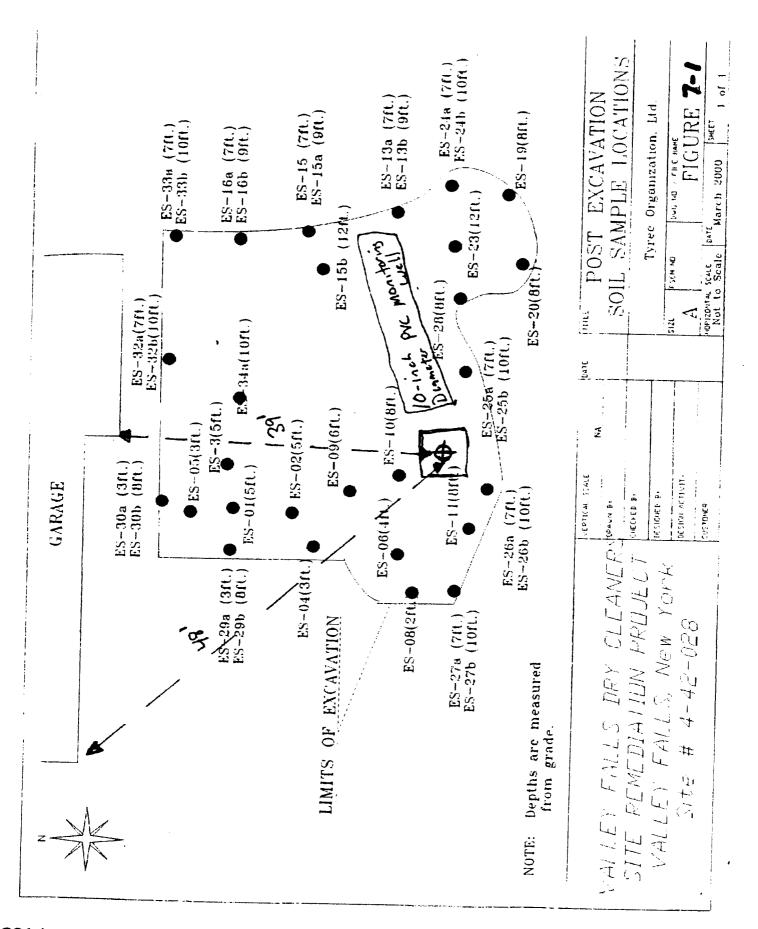




Valley Falls DryCleaner Site #442028

OVERBURDEN WELL CONSTRUCTION

FIGURE 7: OVERBURDEN WELL CONSTRUCTION



APPENDIX D

**WELL LOGS** 

(		Or <b>e</b> Limi	yree ganization, ted m, NY	
PROJ	NT: ECT: FION: _	VA	SDEC UEY LEY 1	
epth elow rade	Sam Inter & Na	vai	P.I.D. Reading (ppm)	

Latham, N	VY VY	 \	G	. BI
CLIENT: NYSD			DATE STARTED/COL	MPLETED: 3/8/00
PROJECT: VAU	EY FAUS DRY	CHEANERS	LOUGED BI:,	MURRAY!
LOCATION: VALLE	FAUS, NY		DRILLER: ZEBR	2A /
Depth Sample F	P.I.D. Blow		RIG: 6EOPKO	
	ading Counts/ Well Recovery (feet)	tion		BORE HOLE DATA
0			ption of Soil	Drilling Method: <b>EOPROBE</b>
	0	(0-4')		
		BROWN SA	NDY GRAVEL	Depth: /2'
_ 2				
				WELL DATA
3				Riser
-				Type: N/A
4				Riser Dia.:
_ 5		(1) (1)		Riser Length: Interval:
		(4-8)		
_ 6		BROWNSILA	Y SANDAND MOIST	Screen
-		GRAYEL,	MOIST	Туре:
- 7				Screen Dia.:
-				Screen Length:
8 0				Slot:
- 9				Interval:
. 9		(0-10)		
- 10		(8-12)		FILTER PACK
		8-10: SAND	VIGEAVELINE	Source:
_ 11			/ TOPHICE, WE	Composition:
		10-11. SIGY	SANDAND	Volume Used:
- 12		n	of Gravel,	Interval:
- 13		SOME	y foravel, we SANDAND of GRAVEL, ECLAY	GROUT / SEAL
		11-12: GRA	tounicial	Type:
- 14		11 12 021	siay any,	Volume Used:
		SOME	ANGULAR	Interval:
15		m GRAV	EL (TILL);	WELL HEAD COMPLETE
16		VERY N	EL (TILL); NOLST	WELL HEAD COMPLETION
		1		Manhole: YES NO
17				Size:
es: ppm====				Concrete Pad: YES NO
on by: J. Carr	million, nd=not detected			Size:
Native material	. !	LEGEND	1	WELL DEVELOPMENT
Sand Pack	trace=1-10% very fi	ne sand=0.6-0.13mm	∇ = ground     water table	Performed: O vsa
Bentonite	little=10-207 line sa	nd=0.13-0.25mm		Performed: YES NO Method:
Portland	mediun	n sand=0.25-0.50mm	m-gravel=4-64mm	
Cement Grout	100.00	sand=0.5-1mm parse sand=1-2mm	c-gravel=64-	Amt. Purged:
	22,000		256mm	Date:

Tyree Organization, Limited atham, NY

Latham, N	Y	METT TO	G	BZ.
CLIENT: NY52	PEC		DATE STARTER (CO.	MPLETED: 3/8/00
PROJECT: VAU	EY FAUS	DRY CLEANERS	LOGGED BY: J.	MURRAN
LOCATION: 44	EY FAULS	NY	DRILLER: ZEBA	ZA -
			RIG: 6507R	DEC
	I.D. Blow ading Counts/	Wall		
	opm) Recovery	Well Completion		BORE HOLE DATA
	(feet)	Field Descri	ption of Soil	Drilling
	0	(0-4')		Method: 6EOTROBE
			INDY GRAVEL	Hole Dia.: 21/4 "
F   F		27070 37	INDY BRAVEL	Depth:
- 2 -				
<u> </u>				WELL DATA
├ <b>-</b> 3 │				Riser
<u> </u>				Riser Dia.:
4				Riser Dia.:
	2   1	(1 01)		Riser Length:
_ 5		(4-8')		Interval:
-		BROWN SIL	IV SAND	c
_ 6		AND me	COMPLET	Screen Type:
-		יאין עייוין	SRAVEL, MUS	Some Pi
- 7		WET@7	<b>´•</b>	Screen Dia.:
-				Screen Length:
- 8 - 3	-			Slot:
_ 9		(- 1)		Interval:
_ 9		(8-12')		
- 10		8-10: 54+		FILTER PACK
_ 10		0 10 3101	Y COMPSESANZ	Source:
_ 11		AND M	f GRAVEL,	Composition:
-		WET		Volume Used:
- 12		/-		Interval
-		10-11: BROV	VN SILTY CLAY	
- 13		AND MA	EDWAA	GROUT / SEAL
·			ED GRAVEL	Type:
- 14		ROUNDE	EDORATEL	Volume Used:
		11-12: 6RF	VSURVIANI	Interval:
- 15			Y SILTY CLAY	WELL LIDED COMME
		WITH AN	SULAR	WELL HEAD COMPLETION
- 16		mc GRA	VEL.	Manhole: YES NO
- 17				Size:
_				Concrete Pad: YES NO
tes: ppm=parts per	million, nd=not d	etected		Size:
wn by: J. Carr Notive	,	LEGEND		WELL DEVELOPMENT
material	trace=1-10%	very fine and and	∇ = ground	
Sand Pack	little=10-20%	very fine sand=0.6-0.13mr fine sand=0.13-0.25mm		Performed: YES NO
Bentonite		medium sand=0.25-0.50mn	f-gravel=2-4mm	Method:
Portland	į.	course sand=0.5=1mm	c-gravel=64~	Amt. Purged:
Cement Grout	and=30-50%	very coarse sand=1-2mm	256mm	Date:

-	Тугее
( Tr /	Organization.
\ " //	Limited
$\mathcal{I}$	Latham, NY

/ deciality in				<u> </u>
CLIENT: NYSDA	EC EX FAUS DRY C	·	DATE STARTED/COM LOGGED BY:	PLETED: 3/8/00
LOCATION: VAU	EY FAUS, NY	LETNERS	DRILLER: ZEB	24
			RIG: 6EOPR	DBE
Below Interval Rea	ding Counts/ Well Recovery Completio			BORE HOLE DATA
I	(feet)	Field Descri	ption of Soil	Drilling
		(0-4') BL	IND PROBE	Method: 650 PCBE Hole Dia.: 2/4" Depth: 12'
2				WELL DATA
3				Riser Type: N/A
4				Riser Dia.:
_ 5	- ,	(4-8) SILT	own Y coarse D mf GRAVEL	Riser Length: Interval:
6		SAND AN	D mf GRAVEL	Screen
7		MOIST.	E Lubiall-	Type:Screen Dia.:
-		2" LAYER: VARY IN	COARSENESS	Screen Length:
8 2		WETAT		Slot:
9		1	•	Interval:
10		(8-12) GRA	IVEL, SOME	FILTER PACK
			AND, WET	Source: Composition:
11				Volume Used:
12		11.5: 4-6	PRACTURED SHALE	Interval:
13		12': BROW CLAY	IN SILTY	GROUT / SEAL
<del>-</del>		CLAY O	(TILL)	Type:
14				Volume Used: Interval:
15				micel val.
-				WELL HEAD COMPLETION
16				Manhole: YES NO
17				Concrete Pad: YES NO
Notes: ppm=parts per	million, nd=not detected			Size:
Notive moterial		LEGEND	1_	WELL DEVELOPMENT
Sand Pack	trace=1-10% very fine	e sand=0.6-0.13mi	$\nabla = \text{ground}$ m water table	Performed: YES NO
Bentonite	little=10-20% fine sand	d=0.13-0.25mm	[-grave]=2-4mm	Wathadi
¬ Portland	some=20-30% coarse s	sand=0.25-0.50mr and=0.5-1mm	m m-gravel=4-64mm c-gravel=64-	Amt. Purged:
_ Cement Grout		rse sand=1-2mm	256mm	Date:
				<u> </u>

Tyree Organization, Limited Latham, NY
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## WFII IOC

Limited Latham, NY		ELL LO	G	BURING NAME
CLIENT: NYSD PROJECT: VAUL LOCATION: VAUL	EC EY FAUS DRY Y FAUS, NY	CLEANERS	DATE STARTED/COM LOGGED BY: J. DRILLER: ZEB RIG: 6EOFR	PLETED: 3/8/00 MURKAY
Depth Sample P.I Below Interval Read	ling Counts/ Well			BORE HOLE DATA
Grade & Name (pp	m) Recovery Comple	tion Field Descri	ption of Sail	Drilling
			IND PROBE	Method: GEORDBE Hole Dia.: 214" Depth: 12'
				WELL DATA
3 - 4				Riser Type: N/A Riser Dia.:
-	,	(4-8)		Riser Length:
- 5		1	FAND AND	Interval:
6			RAVEL	Screen Type:
-7 2.7				Screen Dia.:
- 8				Screen Length:
-				Slot:
- 9		(8-12)		Interval:
-10 3		8-10: BROW	IN SAND AND	FILTER PACK
- 10		GRAYEL	VERY MOIST	Source:
_ 11			•	composition:
-		10-11: BRO	WNSILTY	Volume Used: Interval:
- 12		CLAYA	ND GRAVEL	
- 13		11-17: 600	y sitty any	GROUT / SEAL
			GRAVEL	Type:
- 14		71712	BRAVEL	Volume Used: Interval:
- 15				incerval.
	+-+-			WELL HEAD COMPLETION
16				Manhole: YES NO
				Concrete Pad: YES NO
tes: ppm=parts per m en by: J. Carr	illion, nd=not detected	1		Size:
Native		LEGEND	1	WELL DEVELOPMENT
material Sand Pack	trace=1-10% very fi	ne sand=0.6-0.13mn		
Bentonite	little=10-207 fine sa	ind=0.13-0.25mm	(-gravel-2 4	Performed: YES NO Method:
Portland	some=20-30% coarse	n sand=0.25-0.50mm sand=0.5-1mm	m-gravel=4-64mm	Amt. Purged:
Cement Grout		parse sand=1-2mm	c-gravel=64- 256mm	Date:

(T)	Tyree Organization, Limited
$\mathcal{I}_{\mathbf{I}}$	atham NV

CLIENT: NYSDEC  PROJECT: VALLEY FALLS DRY CLEANERS	DATE STARTER (STAR	
PROJECT: VALLEY FALLS DOV 11 = 4 1-1-	DATE STARTED/COMP	LETED:
- CLETIMERS	LOGGED BY:	MURRAY
LOCATION: VALLEY FALLS, NY	DRILLER: ZET	SRA /
Depth Sample P.I.D. Blow		
Below Interval Reading Counts/ Well Recovery (feet) Field Decor	delle de la company	BORE HOLE DATA
C O C C C C C C C C C C C C C C C C C C	iption of Soil	Drilling Method:
(0-4')		Hole Dia.: 21/4"
Blin.	d probe.	Depth: /2'
_ 2	•	
	•	WELL DATA
3		Riser
		Type:
4		Riser Dia.:
3 (4-B')		Riser Length:
6	COARSESAND	Screen
- AND mf		Type:
- 7 3.4 VERY mo	NST.	Screen Dia.:
WETAT	7'.	Screen Length:
5': 2" LAY	IFD OF	Slot:
	ORGANIC	Interval:
29 m	MATERIAL	FILTER PACK
(8-12')		Source:
- 11 R-10: 5.00		Composition:
6-10. 3/6	TY COARSE	Volume Used: Interval:
- 12 SAND AT	ND f GRAVEL,	
	721	GROUT / SEAL
10: 2" LA	YER OF ACKERAVEL	Туре:
		Volume Used:
- 15   10-12: BR	OWNSILTY	Interval:
CLAY	OWN SILTY AND GRAVEL.	WELL HEAD COMPLETION
- 16	Ì	Manhole: YES NO
		Size:
17		Concrete Pad: YES NO
tes: ppm=parts per million, nd=not detected		Size:
Native LEGEND		WELL DEVELOPMENT
Sond Pock trace=1-10% very fine sand=0.6-0.13m		Performed: YES NO
little=10-202   fine sand=0.13-0.25mm	f-gravel=2-4mm	Method: YES NO
Bentonite   medium sand=0.25-0.50mi	m m-gravel=4-64mm	amt. Purged:
Cement Grout and=30-50% very coarse sand=1-2mm	050	Pate:

T	Tyree Organization, Limited
$\mathcal{I}_{1}$	Latham, NY

BORING NAME

WELL LOG B6 CLIENT: NYSDEC DATE STARTED/COMPLETED: 3/8/00 PROJECT: VALLEY FAUS DRY CHEMNERS DRILLER: ZEBRA LOCATION: VALLEY FALLS 6EDTEDRE Sample Depth P.I.D. Blow Interval Reading Below Well Counts/ BORE HOLE DATA Recovery & Name Grade Completion (ppm) (feet) Field Description of Soil Drilling Method: 6EOPROBE (0-4) BUND PROBE. Hole Dia.: 21/4" WELL DATA Riser NA Type: Riser Dia.: (4-B) Riser Length: 3.5 Interval: 4-5: BROWN SILTY FSAND Screen 51: 2" LAYER OF Type: Screen Dia.: BLACK ORGANIC 2.7 MATERIAL Screen Length: 5-7: MF GRAVEL Interval: 7-8: SANDY MI GRAVEL FILTER PACK 2.6 WETAT 7' Source: Composition: \_ Volume Used: (8-12') Interval: 12 8-10: COARSE SAND AND of GRAVEL, WET GROUT / SEAL 13 Type:\_ 10: 2" LAYER OF Volume Used: 14 RED-BROWN STATININGINTERVAL: 10-12: BROWN SILTY 15 WELL HEAD COMPLETION CLAY AND GRAVEL, VERY MOIST. 16 Manhole: YES NO Size: 17 Concrete Pad: YES NO Notes: ppm=parts per million, nd=not detected Drawn by: J. Carr LEGEND WELL DEVELOPMENT Native material  $\nabla$  = ground very fine sand=0.6-0.13mm Sand Pack Performed: YES NO trace=1-10% water table fine sand=0.13-0.25mm little=10-20% f-gravel=2-4mm Method: ∃ Bentonite medium sand=0.25-0.50mm m-gravel=4-64mm some=20-30% coarse sand=0.5-1mm Amt. Purged: Portland Cement Grout c-gravel=64and=30-50% very coarse sand=1-2mm 256mm Date:

(	T Ora	yree ganization, ted m, NY	
CLIEN PROJ LOCA	ECT:	SDEC quey quey f	E
epth elow rade	Sample Interval & Name	P.I.D. Reading (ppm)	Co Re
- 0 - 1			(,
- 2			

CLIENT: NY	SD==			
			DATE STARTED/COM	PLETED: 3/8/00
LOCATION 1/4	LEY FAUS DRY	CLEANERS	LOGGED BY: 7	MURRAY
LUCATION: VAL	LEY PAUS, NY		RIG: 6EO?	ROBE -
	P.I.D. Blow			
	(ppm) Counts/ Well Recovery Complete	tion		BORE HOLE DATA
0		rield Descri	ption of Soil	Drilling  Method: 65071085
		(0-4') -	LIND PROBE	Hole Dia: 21/1"
		, , ,	-IND PROBE	Hole Dia.: 21/4" Depth: 12)
2				WELL DATA
3				Riser Type: N/A
		(1 -1)		Riser Dia.:
		(4-8')		Riser Length:
5		4-7: BR	OWN SILTY	Interval:
6		COARSE	SAND SOME	Screen
-   -		f GRAVE	EL '	Type:
├- 7   <del>  3</del>	3.0	WET AT	7	Screen Dia.:
-   -				Screen Length:
8		1-8: SA	NDY GRAVEL	Slot:
9		]		Interval:
	6	(8-12')		FILTER PACK
10		B-95: C	OARSE SAND	Source:
- ,		AND ME	GRAVEL, WET	Composition:
11		ļ		Volume Used:
_ 12		95-12: B	ROWN SILTY	Interval:
_		CLAY W	ITH ROUNDED	
- 13		ANDAN	BULAR BRAVE	GROUT / SEAL
-				Туре:
- 14				Volume Used:
- 15				Interval:
- 10				WELL HEAD COMPLETION
- 16				Manhole: YES NO
- 17				Size:
				Concrete Pad: YES NO
otes: ppm=parts per	million, nd=not detected	1		Size:
awn by: J. Carr  Notive moterial		LEGEND	1	WELL DEVELOPMENT
Sand Pack	trace=1-10% very fi	ne sand=0.6-0.13mn		
-	little=10-207 fine sa	nd=0.13-0.25mm	f-gravel-2 4	Performed: YES NO Method:
Bentonite	mediun	n sand=0.25-0.50mm	m-gravel=4-64mm	· · · · · · · · · · · · · · · · · · ·
Portland Cement Grout	coarse	sand=0.5-1mm parse sand=1-2mm	c-gravel=64- 256mm	Amt. Purged:
		cmim	236mm	Date:

Tyree Organization, Limited Latham, NY	WELL LC	)G	BORING NAME
CLIENT: NYSDEC PROJECT: VALLEY LOCATION: VALLEY  Depth Sample P.I.D.	FAUS DRY CLEANERS	DATE STARTED/COM LOGGED BY:	RA
Below Interval Reading	Counts/ Well Recovery Completion	ription of Soil	BORE HOLE DATA Drilling
	(0-4')	3LIND PROBE	Method: SEOPROBE Hole Dia.: 2'/4" Depth: 12' WELL DATA
- 3 - 4	(4-B')		Riser Type:   Riser Dia.:  Riser Length:  Interval:
	4-7.5': 1 75-8: n	BROWN SILTY SAND, MOIS OF GRAVEL, WE	Screen 7 Type: T Screen Dia.:
8 9	(6-12')		Screen Length: Slot: Interval:
	AND	RSE SAND Mf GRAVEL ED-ORANGE	FILTER PACK  Source:  Composition:
12	10-12: BA	INING- ROWN I CLAY AND	Volume Used: Interval: GROUT / SEAL
	GRA	AVEL.	Type:

Notes: ppm=parts per million, nd=not detected

trace=1-10%

little=10-20%

some=20-30%

and=30-50%

15

16

Native material

Sand Pack

Bentonite

Portland Cement Grout LEGEND 

□ = ground

11: LARGE PIECE

OF BLACK SHALE.

Size: \_\_\_

Size:

Volume Used: Interval:

WELL HEAD COMPLETION

Manhole: YES NO

Concrete Pad: YES NO

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	Organization,
\"J	Limited
_/ I	atham, NY

	(			<b>189</b>
CLIENT: NYSD			DATE STARTED/CO	MPLETED: 3/8/00
PROJECT: YALLE	EY FAUS P	RY CLEANERS	LOGGED BY:	J. MURRAY
LOCATION: VAL	ey faus	· NY	DRILLER: ZER	PA
		<del></del>	RIG: 6E0	PROBE
Below Interval Rea	ding Counts/	Well		BORE HOLE DATA
	pm) Recovery (feet)	Completion		
0		Field De	scription of Soil	Drilling Wathed
-		(0-4) R	UND PROBE	Method: 6EOPRORS
- 1		( , , )	AND TROBE	Depth: 12'
		(4-0)		
_ 2		(4-2)	•	WELL DATA
- 3		4-7:	SILTY SAND,	Riser
-		Some	E GRAVEL.	Type:
- 4 3.9	2	i		Riser Dia.:
-		7-8: n	of GRAYEL	Riser Length:
- 5				Interval:
- 6				Screen
		(8-12)		Type:
- 7 2.8	3	'		Screen Dia.:
		6RAY	EL, WET	Screen Length:
- 8		12): BR	COUNSILTY CLAY	Slot:
- 9				Interval:
9				
- 10				FILTER PACK
				Source:
- 11				Composition:
3.3				Volume Used: Interval:
- 12				interval:
13				GROUT / SEAL
				Туре:
14				Volume Used:
				Interval:
15	+			WELL HEAD COMPLETION
16				
	+			Manhole: YES NO
17	<del>-  -</del> -			Size:
es: ppm=parts per m	aillion rd-rat			Concrete Pad: YES NO
n by: J. Carr	on, nu=not o			Size:
Native material		LEGEND	1_	WELL DEVELOPMENT
Sand Pack	trace=1-10%	very fine sand=0.6-0.13	♥ = ground  mm   water table	Performed: YES NO
Bentonite	little=10-20%	fine sand=0.13-0.25mm		
	some=20-30%	medium sand=0.25-0.50 coarse sand=0.5-1mm	mm m-gravel=4-64mm	Amt. Purged:
Portland Cement Grout		coarse sand=n5_1	c-gravel=64-	Ami Durand.

$\left(\mathbb{T}\right)$	Tyre Organ Limited	e ization,
$\hookrightarrow$	Latham.	NY

LOCATION: WA	EY FAUS DRY WE WEY FAUS, NY	ANERS	LOGGED BY: J  DRILLER: ZE  RIG: 660PA	BRA
Below Interval Re Grade & Name (	ading Counts/ Well Recovery (feet) Complet.	ion Field Descr	ription of Soil	BORE HOLE DATA
1			LIND PROBE	Method: 6E0PROBE  Hole Dia.: 2 / 4 7  Depth: /Z/
_ 2				WELL DATA
- 3 - 4		(4-B') s	ILTY SAND	Riser Type: N/A Riser Dia.:
- 5		11ND 6R	AVEL	Riser Length: Interval:
- 6		8': 5	ILTY GRAVEL	Screen Type:
7 2.0		(8-/2')		Screen Dia.:  Screen Length:
- 9 <b>2</b> .	#	8-9: 51L	TY f SAND, MOIST TO WET	Slot:Interval:
- 10		VCZy	MUST TO WET	FILTER PACK
- 11		AND	TLTY FSAND ORDUNDED HVEL	Source: Composition: Volume Used: Interval:
- 13		11.5-12:	BROWN LTYCLAY SKAVEL,	GROUT / SEAL
14		BECO	MING GRAY DEPTH	Type:
15				WELL HEAD COMPLETION
16				Manhole: YES NO
es: ppm=parts per	million, nd=not detected			Concrete Pad: YES NO
n by: J. Carr Native material		LEGEND	1	WELL DEVELOPMENT
Sand Pack Bentonite Portland Cement Grout	little=10-20% fine san	e sand=0.6-0.13mi d=0.13-0.25mm sand=0.25-0.50mr sand=0.5-1mm	f-gravel=2-4mm mm-gravel=4-64mm	Performed: YES NO Method: Amt. Purged:

$\mathbb{T}$	Tyre Organ Limited	ization,
$\mathcal{I}$	Latham.	NY

Latham,	NY Y I	TUL LU	G	BII
CLIENT: NYS			DATE STARTED/COM	PLETED: 3/8/00
PROJECT: VA	MEY FAUS DRY O	CLEANERS	LOGGED BY:	J. MURRAY
LOCATION: VAL	LEY PAUS, NY		RIG: 6000	EBRA-
	P.I.D. Blow	<del></del>		
	eading Counts/ Well (ppm) Recovery Completio	n _		BORE HOLE DATA
	(feet)	Field Descri	ption of Soil	Drilling
		(0-4) BUIN	ID PROBE	Method: GOPROBE Hole Dia.: 2/4"
				Depth:
2				WELL DATA
3				Riser Type: W/A
4		(4-B) INT	ERLAYERE)	Riser Dia.:
5		SILTYSAN	ND AND GRAVE	Riser Length:
_ 6		AND CAP	RSE SAND	Screen
			GRAVEL.	Type:
7		WET AT	8/	Screen Dia.:
- 8	.2			Slot:
9		(8-12)		Interval:
		8-11: COA	RSESAND Mf GRAVEL	FILTER PACK
_		AND	M+ GRAVEL	Source:
_ 11   <b>Z</b> .		11-17: BR	SWN SILTY	Composition:
-		11-12-01	AND GRAVEL	Volume Used:
12		cury	AND GENTEL	Interval:
- 13				GROUT / SEAL
- 14				Type:
. 14				Volume Used:
- 15				
- 16				WELL HEAD COMPLETION
				Manhole: YES NO
tes: ppm=parts per	million, nd=not detected			Concrete Pad: YES NO
wn by: J. Carr		EGEND		Size:
Native material Sand Pack		sand=0.6-0.13mr	□ = ground	p ( ) 5
Bentonite	little=10-20% fine sand	i=0.13-0.25mm	water table f-gravel=2-4mm m-gravel=4-64mm	14.11
Portland Cement Grout	coarse sa	and=0.5-1mm rse sand=1-2mm	c-gravel=64-	Amt. Purged:
	23 30% 121, 2041	ound-1-cmm	256mm	Date:

T	Tyree Organization, Limited
$\mathcal{I}$	Latham, NY

# BORING NAME

BI2 CLIENT: NYSDEC DATE STARTED/COMPLETED: 3/08/00 PROJECT: VALLEY FAUS DRY CLEANERS LOGGED BY: J. MURKAY
DRILLER: ZEBRA LOCATION: VALLEY FAUS GEOPROB Depth Sample P.I.D. Blow Interval Below Reading Counts/ BORE HOLE DATA & Name Recovery Grade Completion (ppm) (feet) Field Description of Soil Drilling Method: SEOFROBE (0-4) BLIND PROBE Hole Dia .: 21/4 9 Depth: 121 WELL DATA Riser N/A Type: (4-8) BROWN COARSE Riser Dia.: Riser Length: SANDAND MIF GRAVEL Interval: VERY MOLST. WET AT 7' Screen Type: 2.0 Screen Dia.: \_\_\_\_ Screen Length: (872) Slot: \_\_\_\_ Interval: \_\_\_\_ 8-11: COARSE SAND AND GRAYEL FILTER PACK 11': 2" LAYER OF CRUSHED STONE Source: 3.6 Composition: Volume Used: 11-12: BROWN SILTY Interval: 12 CLAY AND GRAVEL BECOMING GRAY GROUT / SEAL 13 Type:\_\_ 14 Volume Used: Interval: 15 WELL HEAD COMPLETION 16 Manhole: YES NO Size: 17 Concrete Pad: YES NO Notes: ppm=parts per million, nd=not detected Drawn by: J. Carr LEGEND Native material WELL DEVELOPMENT  $\nabla$  = ground trace=1-10% | very fine sand=0.6-0.13mm Sand Pack Performed: YES NO water table fine sand=0.13-0.25mm little=10-20% f-gravel=2-4mm Bentonite Method: medium sand=0.25-0.50mm m-gravel=4-64mm some=20-30% Portland Cement Grout coarse sand=0.5-1mm Amt. Purged: c-gravel=64and=30-50% very coarse sand=1-2mm 256mm Date:

$\mathbb{T}$	Tyre Organ Limited	ization,
$\mathcal{I}$	Latham.	NY

LOCATION: VAU	EY FAUS DRYCU	LOGGED BY: DRILLER: RIG:	LEROA. /
Depth Sample Interval Read & Name (pp. 10	D. Blow Counts/Recovery (feet) Completion	RIG:	BORE HOLE DATA  Drilling Method: GEOFENSE Hole Dia.: 2'/4" Depth: 12'  WELL DATA  Riser Type: N/A Riser Length: Interval:  Screen Type: Screen Dia.: Screen Length: Slot: Interval:  FILTER PACK  Source: Composition:
13  14  15  16  17  2s: ppm=parts per min by: L carr Notive material Sand Pack Bentonite	trace=1-10% very fine	EGEND  sand=0.6-0.13mm =0.13-0.25mm sand=0.25-0.50mm m-gravel=4-64m	GROUT / SEAL  Type: Volume Used: Interval:  WELL HEAD COMPLETION  Manhole: YES NO Size:  Concrete Pad: YES NO Size:  WELL DEVELOPMENT  Performed: YES NO Method:

T	Tyre Organ Limited	ization,
$\mathcal{I}$	Latham,	NY

## METT

Limited Latham, N	,   ۷۷ 🗆	ELL LOG	BURING NAME
CLIENT: NYS  PROJECT: VALLE  LOCATION: VALLE	DEC EXFAUS DRY CU EXFAUS, NY	EANERS LOGGED BY:	ED/COMPLETED: 3/8/00 J. MURKAY ZEBKA
	I.D. Blow	RIG:	GOTRORE
	ding Counts/ Well Recovery Completion	n	BORE HOLE DATA
0	(feet)	Field Description of Soil (0-4') BUNDAROS	
F   F			Depth: 121
2			WELL DATA
3 4		(4-8') SANDY GRA	Riser Type:
	2_		Screen Type: Screen Dia.:
_ 8		(872)	Screen Length:
- 8		8-10: SANDY GRA	Slot:
9		10' : LAYER (3") 0	F
- 10 4. E		CRUSHED STZ	WE -
_ 11		10-12: BROWN 5167 (LAY and GR	Source: Composition:
-		CLAY and GR	AVEC Volume Used:
- 12		,	Interval:
- 13			GROUT / SEAL
			Type:
- 14			Volume Used:
- 15			Interval:
			WELL HEAD COMPLETION
17			Manhole: YES NO
tes: ppm=parts per n	nillion, nd=not detected		Concrete Pad: YES NO
vn by: J. Carr Notive		GEND	WELL DEVELOPMENT
material Sand Pack	trace=1-10% very fine	$\nabla = \text{groun}$ sand=0.6-0.13mm water ta	nd
	little=10-207 fine sand:	=0.13-0.25mm	
Bentonite Portland	medium s	and=0.25-0.50mm m-gravel=4-	64mm
Cement Grout	504.30 34	c-gravel=64-	Amt. Purged:

	Tyree Organization, Limited
_/ 1	Latham, NY

Latham, N	ΙΥ		LUG	B-15
CLIENT: NYST PROJECT: VAUL	EX FAUS DA	LY CLEANERS	DATE STARTED, LOGGED BY:	COMPLETED: 3/8/00
LOCATION: VAU	YFAUS,	NY	DRILLER: RIG: 660	PROBE
- 1 - 1	P.I.D. Blow			
	ading Counts/ Recovery	Well Completion		BORE HOLE DATA
	(feet)	Field	Description of Soil	Drilling
			1	Method: 650770BE
_ 1		(0-4)	BUNDPROBE	Hole Dia.: 21/4"
-				Depth:
— 2   <u> </u>				WELL DATA
-				
3				Riser Type: N/A
- 4		14-8	SANDAND GE	Riser Dia.:
-		<b>A</b> .	PET AT7'	
- 5			CIAI/	Interval:
-				Screen
- 6				Type:
7 3.	0			Screen Dia.:
		18-12	)	Screen Length:
- 8		,		
·		8-10	o: SANDYGRAVE	L Interval:
- 9		10-12	o: SANDYGRAVE 2: SILTY CLAYAN GRAVEL	VD -
- 10	2		6RAVEL	FILTER PACK
10				Source:
_ 11				Composition:
				Volume Used: Interval:
- 12				interval:
- 10				GROUT / SEAL
13				Туре:
- 14				Volume Used:
				Interval:
15				WELL HEAD COMPLETION
16				Manhole: YES NO
17				Size:
17				Concrete Pad: YES NO
es: ppm=parts per	million, nd=not	detected		Size:
n by: J. Carr Native material	•	LEGEND	ı	WELL DEVELOPMENT
Sand Pack	trace=1-10%	very fine sand=0.6-	$\begin{array}{c c} & \nabla = \text{ground} \\ \hline -0.13\text{mm} & \text{water tabl} \end{array}$	le Performed: YES NO
	little=10-20%	fine sand=0.13-0.25	mm [-gravel-2-4-	Wash
Bentonite Bostland	some=20-30%	medium sand=0.25- coarse sand=0.5-1m	-0.50mm m-gravel=4-64	Amt. Purged:
Portland Cement Grout	and=30-50%	very coarse sand=1		<del></del>
			5501	nm Date:

Limited Latham, NY		ELL LC	)G	BORING NAME
CLIENT: NYSDE	<u></u>		DATE CELE	<del></del>
PROJECT: VALLEY F	AUS DRUCLE	FANERE	LOGGED BY	COMPLETED: 2/8/00
LOCATION: VALLEY F	AUS NY		DRILLER:	ZEROA
Depth Sample P.I.D.			RIG:	OPROBE
Below Interval Reading	Blow Counts/ Well			
Grade & Name (ppm)	Recovery Completi	on		BORE HOLE DATA
C 0			ription of Soil	Drilling
<del>-</del>		(0-4) BC	INDPROBE	Method: 6EOPROR
<u> - 1                                   </u>	+		WO TOBE	Hole Dia .: 21/4"
	+			Depth:/2_/
_ s	<del>                                     </del>			WELL
3	<del> </del>			WELL DATA
				Riser
- 4		(4-8')		Type: N/A
		BROWN	COARSE	Riser Dia.: Riser Length:
- 5		5A2	COMRIC DAND GRAVI	Interval:
-		1		EL
- 6		WET AT	-B'	Screen
-				Type:
7				Screen Dia.:
3.4		(8-12)		Screen Length:
8 - 3,4		1		Slot:
- 9		8-9.5'	SANDY GRAVE	Interval:
3.3		9 = 151	BROWN	
- 10				FILTER PACK
		SILT	y cury and	Source:
_ 11		6RAV	EL, BEZONIA	Composition:
		G	KMÝ.	Volume Used:
- 12			/	Interval:
- 12				ODC:
- 13	1			GROUT / SEAL
- 14				Type:
				Volume Used: Interval:
15	1			mret.aft
	+			WELL HEAD COMPLETION
16	+-1			
17	+			Manhole: YES NO
17	+			Size:
es: ppm=parts per million	nd=not detected			Concrete Pad: YES NO
by: J. Carr	Deligion accepted			Size:

little=10-20% fine sand=0.13-0.25mm

and=30-50% | very coarse sand=1-2mm

some=20-30% coarse sand=0.5-1mm

Bentonite

Portland Cement Grout

Performed: YES NO

Method:

Date:

Amt. Purged:

water table

256mm

f-gravel=2-4mm

c-gravel=64-

medium sand=0.25-0.50mm m-gravel=4-64mm

CLIENT: NY	SPEC		DATE STARTED	COMPLETED 2/2/24
PROJECT: VA	MEY FAUS D	RY CLEANERS	LOGGED BY:	COMPLETED: 3/8/00
LOCATION: VA	MEY PAUS,	NV	.DRILLER:	ERLA
			. RIG:	TORDBE
Depth Sample Below Interval	P.I.D. Blow Reading Counts/	145 33		
Grade & Name	(ppm)   Recovery	Well Completion		BORE HOLE DATA
	(feet)	Field Des	scription of Soil	Drilling
				Method: CEOPROB
<u></u>		(0-4) B	LIND PROBE	Hole Dia.: 214"
- 1 -				Depth: 121
- 2				
-   -				WELL DATA
- 3				Riser
-    -		1401		
- 4		(7-5) //	NTERLAYERE	Riser Dia.:
-    -		COALSE	= SAND AND	Riser Length:
— 5   <del> </del>		mila	IVEL; AND,	Interval:
-    -		1700	THE CONTRACTOR	
- 6   <u> </u>		SILTYSI	AND, SOME	Screen Type:
- 7	1,9	GRAV	EL -WET AT	~ ·
_	*	ì	LYARYING	Screen Dia.:
- 8		OBSERVA	DATB'	Screen Length:
_			W AT O	Slot:
- 9		(8-12)		Interval:
.		1		
- 10		8-10: co	AKSE SAND	FILTER PACK
·		A.	ND of GRAVEL	Source:
- 11	33			
		10.74	CTURED ROCK WE (2")	Volume Used:
- 12				Interval:
		10-11": C	CARSE SAND	GDOVE 4
- 13		AND	of GRAVEL	GROUT / SEAL
- 14		(1-12): 2		
		11-12 · BR	CONNSILTY	Volume Used:
15		CLA	Y AND GRAVE	Interval:
		100	ST	WELL HEAD COMPLETION
16		AT	ORANGE STAIN	//4
			/	Manhole: YES NO
17				Size:
es: ppm=parts ne	r million, nd=not de			Concrete Pad: YES NO
by: J. Carr	on, nd=not de			Size:
Native material		LEGEND		WELL DEVELOPMENT
Material Sand Pack	trace=1-10%	Very fine 1		
	little=10_207	very fine sand=0.6-0.13r line sand=0.13-0.25mm	mm water table	Performed: YES NO
Bentonite	20 20 1	nedium sand=0.25-0.50m	f-gravel=2-4mm	Method:
Portland Cement Grout		Juna -o.3- Imm	C-gravel=64-	M Amt. Purged:
G Grout	and=30-50% V	ery coarse sand=1-2mm	n 256mm	

Organization, Limited Latham, NY	WELL L	OG	BORING NAM
CLIENT: NYSDEC PROJECT: VAUEY F. LOCATION: VAUEY F.	AUS DRY CLEANERS	DRILLER: 7	COMPLETED: 3/9/08
Depth Sample P.I.D.	Blow	- RIG: 6=6	PROBE
Below Interval Reading Grade & Name (ppm)	Counts/ Well Recovery Completion (feet)		BORE HOLE DATA
- 1 - 2 - 3 - 4 - 4	(0-4) Bun	Secription of Soil	Drilling Method: SEOPROF Hole Dia.: 21/4 Depth: /2/ WELL DATA Riser Type: N/A Riser Dia.: Riser Length:
- 5	(8-1Z)	N SAND AND EL, WET	Interval:  Screen Type:  Screen Dia.:  Screen Length:
<b>2.0</b> - 11 - 12	10-12:	COARSE SANI MI GRAVEL LAYER CRUSHE STONE GREY CLAY, ITLE SILT, ALE GRAVEL	Volume Used:
- 13 - 14 - 15 - 16	72	ACE GRAVEL	Type:  Volume Used: Interval:  WELL HEAD COMPLETION  Manhole: YES NO
es: ppm=parts per million, n n by: J. Carr Notive	d=not detected LEGEND		Size: NC Concrete Pad:YES NC Size:

fine sand=0.13-0.25mm

coarse sand=0.5-1mm

very coarse sand=1-2mm

medium sand=0.25-0.50mm m-gravel=4-64mm

little=10-20%

some=20-30%

and=30-50%

Bentonite

Portland Cement Grout

Performed: YES NO

Method:

Date:

Amt. Purged:

water table

256mm

f-gravel=2-4mm

c-gravel=64-

Tyree Organization, Limited Latham, NY	WELL L	OG	BORING NAME
TOURISM: TIPLEY F	AUS DRYCLEANERS	DATE STARTED/CC LOGGED BY: DRILLER:	BIA
Below Interval Reading	(8-12) 8-9: S 9-12: B SOM BECOM	BROWN DY GRAVEL AT6'	BORE HOLE DATA  Drilling Method: SCPRDS Hole Dia.: 214  Depth: 121  WELL DATA  Riser Type: N/A Riser Dia.: Riser Length: Interval:  Screen Type: Screen Dia.: Screen Length: Slot: Interval:  FILTER PACK  Source: Composition: Volume Used: Interval:  GROUT / SEAL  Type: Volume Used: Interval:  WELL HEAD COMPLETION  Manhole: YES NO Size:

Concrete Pad: YES NO Notes: ppm=parts per million, nd=not detected Size: Drawn by: J. Carr Native material LEGEND WELL DEVELOPMENT  $\nabla$  = ground Sand Pack very fine sand=0.6-0.13mm trace=1-10% Performed: YES NO water table fine sand=0.13-0.25mm little=10-20% f-gravel=2-4mm Bentonite medium sand=0.25-0.50mm m-gravel=4-64mm Method: some=20-30% Portland Cement Grout coarse sand=0.5-1mm Amt. Purged: c-gravel=64and=30-50% very coarse sand=1-2mm 256mm Date:

Tyree Organization, Limited Latham, NY	WELL LC	)G	BORING NAME
PROJECT: VALLEY FAUS LOCATION: VALLEY FAUS	DYCLEANERS , NY	LOGGED BY:	OMPLETED: 3/9/00
Depth Sample Interval Reading (ppm) Recover (feet)	(4-8') 4-6: TA  (12-16: TA	FILTY SAND AND AND GRAY AVEL, SOME SAND, WET AND AND GRAY ANSILTY TRACEGRAVE	BORE HOLE DATA  Drilling Method: SPROT Hole Dia.: 21/4" Depth: WELL DATA  Riser Type: N/A Riser Dia.: Riser Length: Interval: Screen Type: Screen Dia.: Screen Length: Interval: Interval: Composition:

Manhole: YES NO Size: Concrete Pad: YES NO Notes: ppm=parts per million, nd=not detected Size: Drawn by: J. Carr LEGEND Native material WELL DEVELOPMENT Sand Pack trace=1-10% very fine sand=0.6-0.13mm Performed: YES NO water table fine sand=0.13-0.25mm little=10-20% Bentonite f-gravel=2-4mm medium sand=0.25-0.50mm m-gravel=4-64mm Method: some=20-30% Portland Cement Grout coarse sand=0.5-1mm Amt. Purged: c-gravei=64and=30-50% very coarse sand=1-2mm 256mm Date:

Tyree Organization, Limited atham, NY

WELL LOG BORING NAME B-21. CLIENT: NYSDEC DATE STARTED/COMPLETED: PROJECT: VALLEY FAUS DRYCLEANERS 3/9/00 DRILLER: ZEBRA LOCATION: VALLEY FALLS 6EOPROBE Depth Sample Interval Below Reading Counts/ Well BORE HOLE DATA Grade & Name Recovery Completion (ppm) (feet) Field Description of Soil Drilling Method: 6EOPROBE (0-4') Hole Dia .: 2/4" BLINDPROBE WELL DATA (4-8') SAND AND GRAVEL Type: Riser Length: 1.9 Interval: (8-12') Screen mf GRAVEL, SOME Type: Screen Dia.: COAKSE SAND, WET Screen Length: Slot: (12-16') Interval: 12-14: SAME FILTER PACK 14-16: BROWN Source: Composition: \_ CLAYEY SILT, WET Volume Used: GRAY WITH DEPTH Interval: 13 GROUT / SEAL Type: 2.D Volume Used: Interval: 15 WELL HEAD COMPLETION 16 Manhole: YES NO Size: Concrete Pad: YES NO Notes: ppm=parts per million, nd=not detected LEGEND Native material WELL DEVELOPMENT Sand Pack trace=1-10% very fine sand=0.6-0.13mm Performed: YES NO water table fine sand=0.13-0.25mm little=10-20% f-gravel=2-4mm Bentonite medium sand=0.25-0.50mm m-gravel=4-64mm Method: \_\_ some=20-30% Portland Cement Grout coarse sand=0.5-1mm Amt. Purged: c-gravel=64and=30-50% very coarse sand=1-2mm 256mm Date:

Tyree Organization, Limited
 atham, NY

BORING NAME

B-22 CLIENT: NYSDEC DATE STARTED/COMPLETED: PROJECT: VALLEY FAUS DRYCLEANERS LOGGED BY: J. MUREA DRILLER: ZEBRA / LOCATION: VAUEY PAUS NY BEOPKORE Depth Sample Interval Below Reading Counts/ Well BORE HOLE DATA Grade & Name Recovery Completion (ppm) (feet) Field Description of Soil Drilling Method: 600PROBE (0-4') BUND PROBE Hole Dia .: 21/1" WELL DATA (4-8') SANDY MF GRAVEL, WET Riser Type: NA Riser Dia.: Riser Length: Interval: (8-12') SANDY mf GRAVEL Туре: \_\_\_ Screen Dia.: (14-18) Screen Length: \_\_\_ Slot: \_\_\_\_ 14-15: SAME Interval: 2" OF RED-BROWN FILTER PACK STAINING AT 15) 15-18: BROWN SILTY Source: Composition: CLAY, TRACECKANEL Volume Used: 13 GROUT / SEAL Type: Volume Used: Interval: 2.3 WELL HEAD COMPLETION 16 Manhole: YES NO Size: Concrete Pad: YES NO Notes: ppm=parts per million, nd=not detected LEGEND Native material WELL DEVELOPMENT Sand Pack trace=1-10% very fine sand=0.6-0.13mm water table Performed: YES NO fine sand=0.13-0.25mm little=10-20% f-gravel=2-4mm Bentonite Method: medium sand=0.25-0.50mm m-gravel=4-64mm some=20-30% Portland Cement Grout coarse sand=0.5-1mm Amt. Purged: c-gravel=64and=30-50% very coarse sand=1-2mm 256mm Date:

Lathar	n. NY		ELL LC	)G	BORING NAME
PROJECT:				DATE STARTED/O	
LOCATION:					
				.DRILLER: RIG: 6	ETSRA
Depth Sample Below Interval	P.I.D. Blow				EDPADRE.
Grade & Name		Well Completion	Field Descr	ription of Soil	BORE HOLE DATA
		]		-p.ion of 3011	Drilling Method: 6EVPROB
		1	(0-4')		Hole Dia.: 2/4"
			1		Depth:
2			BUN	DAROBE	
				•	WELL DATA
3			·		Riser
4			(11 -11		Type: N/A
			(4-8)		Riser Dia.:
	, ,		SANDA	ND GRAVEL,	Riser Length:
			WE	T.	Interval:
6			•		Screen
					Type:
-7					Screen Dia.:
		.	16-1-11		
8			(6-12')		Screen Length:
			8-11: 51	<b>2</b>	Slot:
				TME	Interval:
10			11): 2" LA	XEK OF	FILTER PACK
			RED.	BROWN	Source:
11 25	0			STATNING	Composition:
<del>                                   </del>			11-12: E	BROWN	Volume Used:
12			SILTY	CLAY, TRACE	Interval:
<u> </u>			6RAV	EL	
- 13					GROUT / SEAL
14		F	GRAV ETROLEUI	MODORS	Type:
<u> </u>			AT 11)		Volume Used: Interval:
15		-			miter val:
— 16					WELL HEAD COMPLETION
-					Manhole: YES NO
17					Size:
lotes: ppm=parts per	million - '				Concrete Pad: YES NO
-7. C. CELF	nd=not				Size:
Native material	•	LEG	END		WELL DEVELOPMENT
Sand Pack	trace=1-10%	very fine	nd=0.6-0.13mm	∑ = ground	
Bentonite	little=10-20%	fine sand=0	.13-0.25mm		Performed: YES NO
7 Portland	some=20-30%	medium san	d=0.25-0.50mm	f-gravel=2-4mm m-gravel=4-64mm	Method:
Cement Grout	and=30-50%		=0.5-1mm sand=1-2mm	c-gravel=64-	Amt. Purged:
			a	256mm	Date:

·				
				-
(	T Or Limi	Tyrce ganization, ited m, NY		
PROJ	NT: NY ECT: VA TION: VA	SDEC UEY F TUEY F	AUS DE	-
Depth Below Grade	Sample Interval & Name	P.I.D. Reading (ppm)	Blow Counts/ Recovery (feet)	
— o — — 1				_

				<b>\</b>	B24
CLIENT: NYS	DEC			DATE STARTED/C	
PROJECT: VAL	LEY FAUS DA	ey clean	EKS	DOGGED BI:	J. Muse and
SCRIION: VIII	NEY FAUS,	NY		-DRILLER:	200
Depth Sample   Below Interval	P.I.D. Blow			1110.	LEGROBE
Grade & Name	Reading Counts/ (ppm) Recovery	Well Completion			BORE HOLE DATA
	(feet)	1	Field Descri	ption of Soil	Drilling
11- 1 -		1/2			Method: 6EPROBE
		(0	1-4) BUA	DPROBE	Hole Dia.: 21/4"
		1		212086	Depth:
		1			WELL DATA
] 3		1	1-01		Riser
		107	7-8) SA	NDAND	Type: NA
4			684	NDAND AVEL, WET	Riser Dia.:
5					Riser Length:
		10			Interval:
6		(8	72')		Screen
			8-11: SA	mE	Type:
		1		DWNSILTY	Screen Dia.:
8		.   .	C	MY, TRACE	Screen Length:
			6	rayel	Slot:
9			//': ヱ-4	FRACTURE	Interval:
— 10			R	FRACURE	FILTER PACK
-   -		أن ا	PETROLEU DORS AT	(M)	Source:
- 11 /6	25		AT	- //	Composition:
_ 12					Volume Used:
-					Interval:
- 13					GROUT / SEAL
- 14					Type:
-		1			Volume Used:
- 15					Interval:
- 16					WELL HEAD COMPLETION
- 16					Manhole: YES NO
- 17					Size:
tes: ppm=parts per					Concrete Pad: YES NO
-31 of Call	million, nd=not d			<del></del>	Size:
Native material		LEGEN	<u>D</u>		WELL DEVELOPMENT
Sand Pack	trace=1-10%	very fine sand	=0.6-0.13mm		
Bentonite	little=10-20%	fine sand=0.13.	-0.25mm		Performed: YES NO Method:
Portland Cement Grout			5-1mm	[-gravel=2-4mm m-gravel=4-64mm :-gravel=64-	Amt. Purged:
ounent Grout	and=30-50%	very coarse sar	nd=1-2mm		Date:

CLIENT:	ALLEY DAVI	5-0-1-	L LC	DATE STARTED	BORING NAME BZ5 COMPLETED: 3/9/00
LOCATION: VA	UEY FAUS	NY	<u>vc /0</u>	.DRILLER:	2 BOARAY
Depth   Sample	P.I.D. Blow			RIG:	GEOPPORE
Below Interval Grade & Name		y Completion	Field Descr	iption of Soil	BORE HOLE DATA
- °					Drilling Method: 6EDTROB
		10	-4)		Hole Dia.: _ 214 *
		1 1	BUNI	PROBE	Depth:/2'
		1			WELL DATA
] 3			,		D:
		(4	-8)		Type: N/A
1 4			SANDY	mf GRAVE	miser Dia.:
- 5	,		WET	-	Riser Length:
					Interval:
			`		Screen
7		(8-	12)		Type:
		2	3-11 : s,	1ME	Screen Dia.:
8		11-	-/2: 5	LTYCKAY,	Screen Length:
			7	RACEGRAVE	Slot:
			,	-ICE GRAVE	Interval:
10					FILTER PACK
					Source:
	.7				Composition
12					Volume Used:
_					Interval:
13					GROUT / SEAL
					Type:
14					Volume Used:
15					Interval:
<del>-</del>					WELL HEAD COMPLETION
16					
- 17					Manhole: YES NO
					Size:
Notes: ppm=parts per rawn by: J. Carr	million, nd=not	detected			Concrete Pad: YES NO
Native material	•	LEGEND			
Sand Pack	trans-+ +n-		. 1		WELL DEVELOPMENT
Bentonite	little=10-20%	very fine sand=0 fine sand=0.13-0	25	water table	Performed: YES NO
7 Portland		ten a ditara		(-gravel=2-4mm n-gravel=4-64mm	Method:
Cement Grout	and=30-50%	coarse sand=0.5- very coarse sand		=gravel=64-	Amt. Purged:

Organiz Limited Latham, N	Y	WE	CLL LO	G	BORING NAME
CLIENT: NYS  PROJECT: VALU  LOCATION: VALU	EY FALLS	DRY CL	EMNERS	DRILLER:	OMPLETED: 3/9/00
Below Interval Res	I.D. Blow Counts/ pm) Recovery (feet)	Well Completion	Field Descri	ption of Soil	BORE HOLE DATA
1			(0-4') BUNI	PROBE	Method: STROBE Hole Dia.: 214* Depth: /2'
3 - 4			(4-8')		Riser Type: N/A
5 6	,		AND MY WET AT	SAND GRAVEL, S'	Riser Dia.:  Riser Length:  Interval:  Screen
7 8			(8-12) 8-11 : s		Type: Screen Dia.: Screen Length:
9 - 10			11-12: 5	OF FRACTUR OCK TILTY CLAY,	Interval:  FILTER PACK
			TKI	ACEGRAVEC	Source: Composition: Volume Used: Interval:
13					GROUT / SEAL
15					Volume Used: Interval: WELL HEAD COMPLETION
Notes: ppm=parts per mi	llion nd				Manhole: YES NO Size: Concrete Pad: YES NO
Drawn by: J. Carr  Notive moterial	· · · · · · · · · · · · · · · · · · ·	LEGE	IND		Size: WELL DEVELOPMENT
Sand Pack  Bentonite  Portland	little=10-20%   r some=20-30%   c	ine sand=0.1	1=0.25-0.50mm n	II-Kravel=4-64mm	Performed: YES NO
— Cement Grout			and=1-2mm	-gravel=64-	Amt. Purged: Date:

• .



Division of Environmental Remediation

# **Record of Decision**

Valley Falls Dry Cleaner Site Valley Falls (V), Rensselaer County Site Number 4-42-028

## February 1998

New York State Department of Environmental Conservation GEORGE E. PATAKI, Governor JOHN P. CAHILL, Commissioner

#### 4/1/00

## DECLARATION STATEMENT - RECORD OF DECISION

### Valley Falls Dry Cleaner Inactive Hazardous Waste Site Village of Valley Falls, Rensselaer County, New York Site No. 4-42-028

### Statement of Purpose and Basis

The Record of Decision (ROD) presents the selected remedial action for the Valley Falls Dry Cleaner inactive hazardous waste disposal site which was chosen in accordance with the New York State Environmental Conservation Law (ECL). The remedial program selected is not inconsistent with the National Oil and Hazardous Substances Pollution Contingency Plan of March 8, 1990 (40CFR300).

This decision is based upon the Administrative Record of the New York State Department of Environmental Conservation (NYSDEC) for the Valley Falls Dry Cleaner Inactive Hazardous Waste Site and upon public input to the Proposed Remedial Action Plan (PRAP) presented by the NYSDEC. A bibliography of the documents composing the Administrative Record is included in Appendix B of the ROD.

### Assessment of the Site

Actual or threatened release of hazardous waste constituents from this site, if not addressed by implementing the response action selected in this ROD, presents a current or potential threat to public health and the environment.

### **Description of Selected Remedy**

Based upon the results of the Remedial Investigation/Feasibility Study (RI/FS) for the Valley Falls Dry Cleaner and the criteria identified for evaluation of alternatives the NYSDEC has selected on-site soil/(source) cleanup and contaminated well replacement or treatment.

The components of the remedy are as follows:

### **Contaminated Private Wells:**

Replace individual contaminated drinking water wells with bedrock wells or provide GAC/UV systems on the affected wells. (Individuals will be given an option between well replacement or GAC maintenance)

### Source Removal:

Remediate on-site soil (source) using excavation and off-site disposal of approximately 75 cubic yards of contaminated soil.

Decommission abandoned fuel tank, septic tank, associated pipes and dry well.

### Groundwater Remediation:

Groundwater will be recovered from the excavation pit and treated prior to disposal.

The monitoring wells and the affected private water supply wells will be monitored semi-annually for a period of five years. At the end of the 5 year monitoring period, the site will be evaluated to determine the effectiveness of the remedial actions.

The selected remedy will also include a remedial design program to verify the components of the conceptual design and provide the details necessary for the construction, operation and maintenance, and monitoring of the remedial program. Any uncertainties identified during the RI/FS will be resolved.

## New York State Department of Health Acceptance

2/20/98

The New York State Department of Health concurs with the remedy selected for this site as being protective of human health.

### **Declaration**

The selected remedy is protective of human health and the environment, complies with State and Federal requirements that are legally applicable or relevant and appropriate to the remedial action to the extent practicable, and is cost effective. This remedy utilizes permanent solutions and alternative treatment or resource recovery technologies, to the maximum extent practicable, and satisfies the preference for remedies that reduce toxicity, mobility, or volume as a principal element.

Date

Michael J. O'Toole, Jr., Director

Division of Environmental Remediation

### **New York State Department of Environmental Conservation**

### **Division of Environmental Remediation**

**Bureau of Construction Services, Room 267** 50 Wolf Road, Albany, New York 12233-7010

Phone: (518) 457-9280 • FAX: (518) 457-7743

Website: www.dec.state.ny.us



### **MEMORANDUM**

TO:

Dennis Farrar, Bureau of Hazardous Site Control

**FROM:** 

James Van Hoesen, Chief, Central Field Services Section

THRU: H. Richard Koelling, Director, Bureau of Construction Services

**SUBJECT:** 

Valley Falls Dry Cleaner Site, Site # 4-42-028, Rensselaer County

DATE:

3

A Remedial Action (RA) consistent with the February 1998 ROD and implemented at the Valley Falls Dry Cleaner Site by the NYSDEC was completed in March 7, 2000. This RA has been completed in substantial accordance with the approved plans and specifications, therefore, we recommend the site to be reclassified from a Class 2 to a Class 4.

This recommendation is based on the fact that the ROD cleanup goals were met across the excavated area and were verified by the post-excavation confirmatory sampling.

Supporting documentation, the Post Remediation Report prepared by the Bureau of Construction Services, and a copy of the February 1998 ROD is attached. The Post Remediation Report includes the Engineer's Certifications.

If you have any questions, please call Lech Dolata at 7-9285.

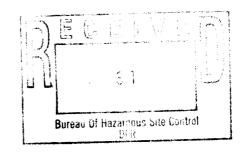
#### Attachment

cc:

E. Hamilton - NYSDEC, Region 4

D. Smith - BCRA

G. Litwin - NYSDOH



# New York State Department of Environmental Conservation Division of Environmental Remediation

Bureau of Hazardous Site Control, 11<sup>th</sup> Floor 625 Broadway, Albany, New York 12233-7014 Phone: (518) 402-9551 • FAX: (518) 402-9020

Website: www.dec.state.ny.us

Erin M. Crotty Commissioner

JUN 17 2002

This letter was sent to the people on the attached list.

#### Dear:

The New York State Department of Environmental Conservation (Department) maintains a Registry of sites where hazardous waste disposal has occurred. Property located at 11 Lyons Street in the Town of Schaghticoke, the Village of Valley Falls within Rensselaer County, and designated as Tax Map Number 22.22-4-12 was recently reclassified as a Class 4 in the Registry. The name and site I.D. number of this property as listed in the Registry is Valley Falls Dry Cleaner, Site #442028.

The Classification Code 4 indicates that the site is properly closed -- requires continued management.

We are sending this letter to you and others who own property near the site listed above, as well as the county and town clerks. We are notifying you about these activities at this site because we believe it is important to keep you informed.

If you currently are renting or leasing your property to someone else, please share this information with them. If you no longer own the property to which this letter was sent, please provide this information to the new owner and provide this office with the name and address of the new owner so that we can correct our records.

The reason for this recent classification decision is as follows:

The selected remedy for the site included replacement of three residential drinking water wells, excavation and removal for off-site disposal of all tetrachloroethylene (PCE) contaminated soil, three underground storage tanks, a septic tank, a dry well and restoration of the site. The remedial construction was completed on March 7, 2000 in accordance with February 1998 Record of Decision (ROD) and the approved remedial design. Carbon filtration of residential drinking water wells continues at nearby residences affected by PCE above the drinking water standard. The New York State Department of Health continues to monitor these and other residential drinking water wells in the area of this site.

If you have questions, need additional information, or have information which you believe would be useful to us, please call the Department of Environmental Conservation's toll-free number: **1(800)342-9296**. The Department of Health maintains a Health Liaison Program (HeLP) toll-free number: **1(800)458-1158 Ext. 2-7530**.

Sincerely,

Dennis J. Farrar

Chief

Site Control Section

bcc:

M. O'Toole

D. Weigel

D. Farrar

J. Swartwout

E. Hamilton, R/4

W. Clarke, R/4

R. Georgeson, R/4

A. Sylvester

G. Litwin

L. Ennist

AS/srh

**New York State Department of Environmental Conservation** 

**Division of Environmental Remediation** 

Bureau of Hazardous Site Control, 11th Floor

625 Broadway, Albany, New York 12233-7014 **Phone:** (518) 402-9551 • **FAX:** (518) 402-9020

Website: www.dec.state.ny.us



MAY 3 0 2002°

Theodore and Lois Chmielewski P.O. Box 22 Valley Falls, NY 12185

Dear Mr. and Mrs. Chmielewski:

As mandated by Section 27-1305 of the Environmental Conservation Law (ECL), the New York State Department of Environmental Conservation (Department) must maintain a Registry of all inactive disposal sites suspected or known to contain hazardous waste. The ECL also mandates that this Department notify the owner of all or any part of each site or area included in the Registry of Inactive Hazardous Waste Disposal Sites as to changes in site classification.

Our records indicate that you are the owner or part owner of the site listed below. Therefore, this letter constitutes notification of change in the classification of such site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State.

DEC Site No.: 442028

Site Name: Valley Falls Dry Cleaner

Site Address: 11 Lyon Street, Valley Falls, NY 12185

Classification change from 2 to 4

The reason for the change is as follows:

- The selected remedy for the site included replacement of three residential drinking water wells, excavation and removal for off-site disposal of all tetrachloroethylene (PCE) contaminated soil, three underground storage tanks, a septic tank, a dry well and restoration of the site. The remedial construction was completed on March 7, 2000 in accordance with February 1998 Record of Decision (ROD) and the approved remedial design. Carbon filtration of residential drinking water wells continues at nearby residences affected by PCE above the drinking water standard. The New York State Department of Health continues to monitor these and other residential drinking water wells in the area of this site.

Enclosed is a copy of the New York State Department of Environmental Conservation, Division of Environmental Remediation, Inactive Hazardous Waste Disposal Site Report form as it appears in the Registry and Annual Report, and an explanation of the site classifications. The Law allows the owner and/or operator of a site listed in the Registry to petition the Commissioner of the New York State Department of Environmental Conservation for deletion of such site, modification of site classification, or modification of any information regarding such site, by submitting a written statement setting forth the grounds of the petition. Such petition may be addressed to:

Erin M. Crotty Commissioner New York State Department of Environmental Conservation 625 Broadway Albany, New York 12233-1010

For additional information, please contact me at (518) 402-9553.

Sincerely,

Dennis J. Farrar

Chief

Site Control Section

Dani Farm

### **Enclosures**

bcc:

M. O'Toole

D. Weigel

R. Marino

D. Farrar

T. Reamon

A. Sylvester

w/Enc. (Copy of Site Report form only)

A. Grant

G. Litwin, DOH

C. Vasudevan

R. Leslie, R/4

W. Clarke, R/4

E. Hamilton, R/4

D. Smith

AS/srh

### NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation

### **Inactive Hazardous Waste Disposal Report**

Site Name: Valley Falls Dry Cleaner Site Code: 442028

Class Code: 4 Region: 4 County: Rensselaer EPA ld: NYD000260212

Address: 11 Lyon Street / Valley Falls, NY 12185 Latitude: 42° 53' 53" Longitude: 73° 33' 41"

Site Type: Estimated Size: 0.1-1 Acres

Site Owner / Operator Information:

Current Owner(s) Name: **Theodore and Lois Chmielewski**Current Owner(s) Address: **PO Box 22** / **Valley Falls, NY 12185** 

Owner(s) during disposal: **Winchell Johnson** Operator(s) during disposal: **Winchell Johnson** 

Stated Operator(s) Address: 11 Lyon Street / Valley Falls, NY 12185

Hazardous Waste Disposal Period: From: 1940s To: 1970s

#### Site Description:

The Valley Falls Dry Cleaners was a small dry cleaning business where waste solvents, primarily tetrachloroethylene (PCE), were disposed an on-site septic system over the years. The septic system was located behind the building. Over time, PCE leached into the groundwater causing contamination. The dry cleaning business closed sometime in the 1970s. Sometime after closure the building collapsed. Most of the collapsed building was demolished and removed from the property. Except for the foundation, only a small part of the original building remained, and it was connected to an existing garage on the property. Bedrock is exposed near the surface south of the site and at a depth of 23 feet. It is believed that the erosional bedrock surface slopes to the north allowing the overburden sand and gravel aquifer to reach a thickness that is greater than 70 feet near the Hoosic River. The Hoosic River is located about 1/4 mile north of the site. The USEPA carrie out an emergency response in 1992 which involved the installation of carbon filter systems on the private drinking water wells of several nearby residences. These wells were contaminated with PCE at levels as high as 190 ppb, significantly higher than the Part 703 groundwat standard of 5 ppb. Maintenance of the carbon filter systems is handled by the NYSDEC. These carbon filter systems are effectively reducin PCE exposure levels in the drinking water. A Remedial Investigation/Feasibility Study (RI/FS) was completed in February of 1998. A Remedial Design (RD) was completed, and remedial construction activities began in the fall of 1999. The remedial work consisted of excavation and off-site disposal of contaminated soil, the dry well, the abandoned septic system and an underground storage tank. New drinking water wells were drilled to replace some of the more severely contaminated existing wells. These remedial activities were complete in the spring of 2000.

**Confirmed Hazardous Waste Disposal:** 

Quantity: unknown

Tetrachloroethylene (PCE) (F001 or F002)

Analytical Data Available for: Groundwater

Applicable Standards Exceeded in: Groundwater Drinking Water

Geotechnical Information: Depth to

Soil/Rock Type: Fill and sand mixed with coarse material over till. Groundwater: Range: 10 to 15 feet.

Legal Action: Type: Status:

Remedial Action: In Progress Complete Nature of action: OM&M.

### **Assessment of Environmental Problems:**

Groundwater has been contaminated with tetrachloroethylene and several nearby residential drinking water supply wells were impacted. Ne drinking water wells were drilled to replace some of the more seriously contaminated wells.

#### **Assessment of Health Problems:**

The New York State Department of Health (NYSDOH) has sampled over 110 private wells near the site to evaluate possible drinking water contamination. To date, seven private water supplies have shown contamination by tetrachloroethene at levels above the drinking water standard. New wells were installed for two of these residences in 2000. Water from these seven residential wells is treated by carbon filters installed by the NYSDEC. These treatment systems are monitored and maintained by the NYSDEC. Semiannual sampling continues to demonstrate that the treatment systems are satisfactorily removing contaminants from the drinking water. Tetrachloroethene has been detected in fifteen other private wells at concentrations below the drinking water standard. The NYSDOH has periodically resampled these private wells to evaluate levels of tetrachloroethene.