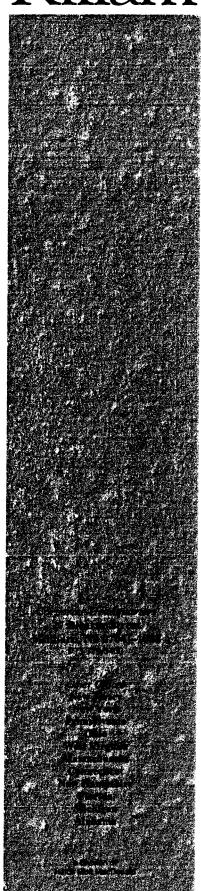
Killam Killam



Final Report for Investigation Workplan



Universal Voltronics Facility 27 Radio Circle Drive Mount Kisco, New York

October 2001

Prepared by:

Killam Associates 27 Bleeker Street P.O. Box 1008 Millburn, NJ 07041





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Gary K. Walker, CHMM Associate

December 11, 2001

Chris Lalak Westchester County Department of Health 145 Huguenot Street New Rochelle, New York 10801

Re: Former Universal Voltronics Site, V-346-3, Mt. Kisco, NY

Groundwater and Surface Water: Final Report for Investigation Workplan

Dear Mr. Lalak:

Killam Associates, on behalf of UVC Realty Corp., has completed a groundwater and surface water investigation at the above referenced site. Enclosed, please find a copy of the referenced report which details our findings pertaining to the groundwater and surface water contamination found on the eastern portion of the former Universal Voltronics facility.

In summary, the data results from this investigation provide conclusive evidence that the source for the groundwater contamination on the eastern side of the stream is offsite and not the Universal Voltronics facility. This is supported by a contaminant pattern showing the highest levels of Total Volatile Organic compounds closest to Lexington Avenue. This contaminant pattern indicates that the groundwater contamination originated to the south or southeast of the site and is likely spreading along the utility corridors in Lexington Avenue. Further, the analytical data demonstrates that the source of the contamination in the stream is upstream (to the south) of the UVC Realty property. As is conclusively demonstrated in the enclosed report, neither surface water nor groundwater contamination is due to onsite sources.

Killam Associates, on behalf of UVC Realty, requests that the NYSDEC approve no further action for groundwater and surface water at the site. In addition, the NYSDEC is urged to investigate the source of the contamination, as the contaminant plume appears to be extensive.

Should you have any questions or comments please don't hesitate to contact me.

Very truly yours,

KILLAM ASSOCIATES

CC: Mr. John Ohm, NYSDOH (w/o enclosure)

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Certification

I certify that the investigation activities were performed in full accordance with the Investigation Work Plan for the UVC Realty site located at 27 Radio Circle Drive in Mount Kisco, New York. I believe that the information submitted in the Final Report for the UVC Realty Investigation Work Plan is true, accurate, and complete.

PRINTED NAME GARY WALKER TITLE ASSOCIATE
SIGNATURE Say K. Walle DATE 10/19/01

1.0 Introduction

Killam Associates (Killam), on behalf of the property owner, UVC Realty Corp. (Formerly Thermo Voltek), has been performing a groundwater and surface water investigation at the former Universal Voltronics facility, 27 Radio Circle Drive in the Village/Town of Mt. Kisco, Westchester County, New York (Figure 1, Site Location) since February 1999.

The results of this investigation have been submitted to the New York State Department of Environmental Conservation (NYSDEC) in periodic reports. In response to these reports, the NYSDEC recommended in their letter dated August 22, 2000, that further investigative work be completed in the area of onsite monitoring wells MW-3, MW-5 and MW-6 (Figure 2, Site Plan). In response to the August 22, 2000 letter, Killam developed an Investigation Workplan (IW) that was designed to provide information on the contaminant concentrations and extent of the plume on the eastern side of the stream (Kisco River tributary) which flows through the site. The IW was approved in the NYSDEC letter dated November 15, 2000. The results of this investigation, the distribution of contaminants across the eastern portion of the site and within the stream are discussed in this report.

The November 15, 2000 NYSDEC letter additionally requested a submission of a Community Health and Safety Plan/Community Air Monitoring Plan (HASP/CAMP). The HASP/CAMP was submitted to the NYSDEC and the NYS Department of Health in February 2001.

2.0 Historical Information

In an effort to document the groundwater quality at the site and to determine trends for onsite contaminants, Thermo Voltek performed quarterly groundwater sampling at the site for a period of one year (August 25, 1999, November 23, 1999, February 23, 2000, and May 25, 2000). Quarterly surface water sampling events were performed in conjunction with the groundwater sampling events on February 23, 2000 and May 25, 2000 to determine the impact of the onsite groundwater contamination on the stream. An additional surface water sampling event was conducted in June 2000 in an attempt to determine upstream sources of the contamination noted in the stream. The above monitoring work was performed in accordance with the groundwater portion of the Remedial Action Workplan included in the Remedial Investigation Report (RIR) dated November 1999. The monitoring results were reported to the NYSDEC in the November 1999 RIR and the letter reports dated March 8, 2000 and July 26, 2000.

As discussed in these reports, two groundwater contaminant plumes are present at the site. The first plume consists of 1,1,1-Trichloroethane (1,1,1-TCA) and its daughter products 1,1-Dichloroethane (1,1-DCA) and 1,1-Dichloroethene (1,1-DCE) to the west of the stream. 1,1,1-TCA is the main groundwater contaminant originating from potential onsite sources. Review of the historical data for the monitoring wells potentially impacted by this contaminant (MW-1, MW-1D, MW-2, MW-4, MW-7 and MW-8)

(Figure 2, Site Plan) has shown contaminant levels only slightly above the NYS Groundwater Standards and with either steady state or decreasing trends. Further, the groundwater contamination discharging to the stream from this plume dilutes to non-detectable levels in the surface water.

The second plume consists of tetrachloroethene (PCE), trichloroethene (TCE) and vinyl chloride (VC) and is present on the east side of the stream. These contaminants impact MW-3, MW-5, MW-6, and the stream on site, with MW-5 being the most strongly affected. It was previously concluded, based upon groundwater and surface water quality data, that the PCE, TCE, and VC contamination present at the site is from an offsite source.

The NYSDEC in their letter dated August 22, 2000, requested further work to be completed on the eastern side of the onsite stream in the vicinity of MW-3, MW-5 and MW-6. The NYSDEC expected that if nearby upstream operations were responsible for the PCE, TCE, and VC contamination, then MW-6 would have had similar type and levels of contamination as MW-3 and MW-5; instead, MW-6 had significantly lower or non-detectable results. The following investigation was completed as proposed in the IW.

3.0 Groundwater Investigation

3.1 Temporary Well Installation and Ground Water Sampling

On September 5-6, 2001, Summit Drilling of Bound Brook, NJ (Summit), installed eleven (11) temporary well points using a geoprobe, under Killam's observation. The locations of the temporary well points are shown on Figure 2. Temporary wells TW-2, TW-5, TW-8 and TW-10 were proposed directly adjacent to the property line. Due to the presence of a water line along the property line, these locations were moved to the closest accessible location near the property line. The well points were generally screened across the bottom 10' and installed at a depth of approximately 14' (top of weathered bedrock without refusal). TW-5, TW-6, TW-7, and TW-8 were only screened across the bottom 5'. The well sample logs are located in Appendix A. Please note that the groundwater investigation was completed in compliance with the HASP/CAMP.

The temporary wells were allowed to stand overnight to assure the collection of the most accurate groundwater sample possible with a temporary well point. Prior to sampling, static groundwater levels were obtained, and the volume of water in each well was calculated. A minimum of three casing volumes of groundwater was purged using peristaltic pumps. A sample was then obtained using a disposable teflon bailer. In addition to obtaining groundwater samples from the temporary wells, Killam obtained samples from permanent monitoring wells MW-3, MW-5 and MW-6 using the same sampling procedure as the temporary wells. Purged water from all the temporary wells and MW-5 was passed through a carbon filter before being discharged to the ground.

The groundwater samples were submitted to Integrated Analytical Laboratories (IAL) of Randolph, NJ (NY lab certification No. 11402) to be analyzed for volatile organics plus a library search for ten tentatively identified compounds (VO+10). The data deliverable packages are included in Appendix B.

3.2 Results

The volatile organic compounds detected in groundwater to the east of the onsite stream include: PCE, TCE, 1,1-DCA, and VC. The analytical results for the temporary wells and permanent monitoring wells are summarized in Table 1 and Table 2, respectively.

A review of the analytical results indicates that PCE is the most highly concentrated contaminant detected with values of 3380 μ g/L in MW-5, 5630 μ g/L in TW-5, 4040 μ g/L in TW-10, 2050 μ g/L in TW-2, and 2760 μ g/L in TW-8. These wells all border the eastern property line. Lower levels of PCE were additionally detected in MW-3 and the remaining temporary wells. MW-6 is the only location in which PCE was not detected. The highest concentrations of TCE (a daughter product of PCE) were detected in TW-10 and TW-8 at concentrations of 1160 μ g/L and 790 μ g/L, respectively, which are located at the southeast corner of the site. The remaining TCE concentrations were significantly lower ranging from not detected to 64.2 μ g/L. VC, a daughter product of PCE and TCE, is present in MW-6, TW-1, TW-3, TW-8, and TW-10. The highest concentrations of VC are present in TW-8 and TW-10 in the southeast corner of the site.

Total Volatile Organic (TVO) compound concentrations are depicted as isoconcentration lines on Figure 2. As shown on this figure, the well locations closest to Lexington Avenue contain the highest levels of TVO concentrations. The high contaminant levels extend the entire length of the property and decrease to the west away from Lexington Avenue towards the stream onsite. This clearly demonstrates that the source of contamination is not the Universal Voltronics facility, rather the source is within the street. As the PCE contamination is fairly high along the entire length of the eastern property line, a possible source of the contamination may be utility lines which are placed within or along Lexington Avenue. The higher concentrations of the daughter products, TCE and VC, toward the southeast corner of the site indicate that the source of the contamination originates to the south of the site. As shown in Figure 2, the plume extends further into the property in the vicinity of TW-6 and MW-3. It is likely due to the open stream bed in this location which is drawing the groundwater toward the stream.

4.0 Surface Water

As requested by the NYSDEC in the August 22, 2000 letter, surface water samples were collected from the same four locations as on June 28, 2000 (as shown in Figure 3). The samples were obtained by extending a decontaminated polyethylene surface water sampler into the center of the flowing water. The water collected was then transferred directly to the sample bottles. These samples were analyzed for VO+10 by IAL. The analytical results for these samples are summarized on Table 3. The analytical data deliverables from IAL is included as Appendix B.

PCE and TCE were detected in three of the four surface water sampling locations (SW-CP, SW-1U, and SW-2D) with the highest concentration detected in SW-CP. SW-CP, which is upstream, is located south of the site, directly down gradient of a small commercial/ light industrial area along Lexington Avenue. The TVO contaminant concentrations in the stream decrease downstream from SW-CP. TVO concentrations from the surface water samples are shown on the map (Figure 3).

A review of the analytical results from these surface water samples (Table 3) indicate that the source of the contamination in the stream is between sample locations SW-NCD and SW-CP which conclusively demonstrating that the source of the stream contamination is not the Universal Voltronics facility.

5.0 Conclusions

The data results from this investigation provide conclusive evidence that the source for the contamination on the eastern side of the stream is offsite and not from the Universal Voltronics facility. The temporary wells that were installed closest to Lexington Avenue contained the highest levels of TVOs, primarily consisting of PCE, TCE, and VC. The TVO concentrations decrease toward the stream on the UVC Realty site. This contaminant pattern indicates that the groundwater contamination originated to the south or southeast of the site and is likely spreading along the utility corridors in Lexington Avenue. The analytical data demonstrates that the source of the noted contamination in the stream is upstream of the UVC Realty property. As it has been conclusively demonstrated that neither the surface water nor groundwater contamination on the eastern portion of the site is due to onsite sources, UVC Realty requests that the NYSDEC approve no further action for groundwater and surface water at the site. UVC Realty urges the NYSDEC to investigate the source of the PCE contamination, as the contaminant plume appears to be extensive. The groundwater and surface water plume are likely impacting numerous properties in Mount Kisco as well as the downgradient surface water bodies.

Temporary Well - Groundwater Sampling Results Volatile Organic Universal Voltronics Facility

Client ID:	NYSDEC	TW-1	TW-2	TW.3	TWA	7.VV.) (M.L.
Date Sampled:	3	10/L/6	10/1/6	10/1/6	10/1/6	1 W-5 9/7/01	1 w -6 9/7/01
Matrix:	STANDARDS	Aqueous	Aqueons	Aqueons	Aqueons	Aqueous	Aqueous
Volatiles (ppb)							
Chloromethane	NS	ND	QN QN	QN	QN.	ON	QX
Vinyl Chloride	2	1.7	QN	16.8	R	QN	CZ
Bromomethane	NS	N Q	QN ON	NO	QN	Q	2
Chloroethane	50	QN	QN	NO NO	ND	: Q	E E
Trichlorofluoromethane	NS	ND	S	ND	ND	Q.	2
Acrolein	NS	QN	QN	ΩN	QN QN	Q	QX
1,1-Dichloroethene	5	ND	QN ON	QN	S	QN	Q
Methylene Chloride	5	QN	GN	Q	Q.	Q	Q
Acrylonitrile	NS	R	QN	ND	ON ON	N N	QN
trans-1,2-Dichloroethene		N Q	NO NO	- E	QN	Q.	QN
1,1-Dichloroethane	5	N	QN	QN QN	QN	NON	1.36
Chloroform	7	ND	QN	S S	NO	QN.	QN
l, l, l-Trichloroethane	\$	QN	QN	QN	QN	QZ	QN
Carbon Tetrachloride	5	R	ΩN	S	ND	QN	QN QN
1,2-Dichloroethane(EDC)	5	QN.	ND	QN	Q.	N ON	ON
Benzene	0.7	QN	QN	NO	ON	ND	NO
Trichloroethene	5	0.592	51.6	19.5	21	QN	ND
1,2-Dichloropropane	NS	ND	ΩN	N Q	N ON	ΩN	QN
Bromodichloromethane	NS	QN	S	QN Q	ND	Q N	QN
2-Chloroethylvinyl Ether	NS	Q	ΩN	QN Q	ON	N ON	QX
cis-1,3-Dichloropropene	NS	R	Q.	QN Q	N Q	2	ON
Toluene	S	ND	Q	QN	ND	QN	ON
trans-1,3-Dichloropropene	SN	ND	Q	Q.	ND	N N	Q
1,1,2-1richloroethane	NS	Q.	S	QN	ND	Q.	R
Tetrachloroethene	S	0.861	2050	159	929	5630	15.3
Dibromochloromethane	20	R	Q	N Q	ΩN	Q	N N
Chlorobenzene	\$	Q.	Ê	QN	QX	QN	QN N
Ethylbenzene	S	R	QN	QN	S	ND	Q
Total Xylenes	S	QN	NO	QN	ND	N	QN
Bromoform	NS	R	<u>Q</u>	QN	N	QN	ON
1,1,2,2-Tetrachloroethane	S	QN	QN	ND	Q	QN	QN
1,3-Dichlorobenzene	5	ND	<u>Q</u>	ΩN	QN	QN QN	S
1,4-Dichlorobenzene	\$	N N	QN	N Q	QN	QN	QN
1,2-Dichiorobenzene	4.7	Q N	R	Q	QN	ON	QN
TOTAL VO's:	NS	3.153	2101.6	195.3	577	5630	99:91
TOTAL TIC's:	NS	Q	Q	37.8	ND	Ð	QN
TOTAL VO'S & TIC's.	NS	3.153	2101.6	233.1	577	2630	16.66

ND = Analyzed for but Not Detected at the MDL

NS = No Standard

All exceedences of the NYSDEC GW Standards are

in Boldface

Temporary Well - Groundwater Sampling Results
Volatile Organic
Universal Voltronics Facility

Client ID:	1	TW-7	TW-8	6-ML	TW-10	TW-11	FB-MDB
Date Sampled: Matrix:	GROUNDWATER STANDARDS	9/7/01 Aqueous	9/7/01 Aqueous	9/7/01 Aqueous	9/7/01 Aqueous	9/7/01 Aqueous	9/7/01 Aqueous
Volatiles (ppb)							
Chloromethane	SN	Q	QN QN	QN.	QN.	QX	Q
Vinyl Chloride	2	NO	79.5	ND	132	QN	Q
Bromomethane	SN	Q.	QN	Q	<u>R</u>	QN	2
Chloroethane	50	ND	QN ON	QN	NON	Ø	ND
Trichlorofluoromethane	SN	R	QN	R	Q.	Q.	Q.
Acrolein	NS	QN	<u>R</u>	QN	QN	R	- QZ
1,1-Dichloroethene	5	Q	<u>R</u>	N Q	N N	Q	R
Methylene Chloride	\$	QN	ND ND	Q.	Q N	S	Q.
Acrylonitrile	SN	ND	QN	ND	ΩN	QN	N
trans-1,2-Dichloroethene	S	SN	QN	QN.	ΩN	QN	QN
1,1-Dichloroethane	Ś	Q.	QN	ND	Q.	QN	QN
Chloroform	7	N Q	ND	N	ΩN	S	QN.
1,1,1-Trichloroethane		R	S	ND	ΩŽ	Q.	ON
Carbon Tetrachloride	S	ND	QN	Ν Q	ΩN	QN	QZ
1,2-Dichloroethane(EDC)	5	Q	g	QN	ND	QN	S
Benzene	0.7	S S	ND	ΩN	S S	N ON	ΩN
Trichloroethene	5	15.4	190	<u>R</u>	1160	Ð	QN
1,2-Dichloropropane	NS	Ω	QN	ΩN	Q.	QN	QN
Bromodichloromethane	SN	Q R	ΩŽ	Q.	S	N Q	QN QN
2-Chloroethylvinyl Ether	SN	ΩN	QN	ΩN	QN QN	QN	ND
cis-1,3-Dichloropropene	SN	S	QN	N Q	QN	QN	QN.
Toluene	S	R	QN	N Q	ND	QN.	N ON
trans-1,3-Dichloropropene	NS	S	QN	NO	Ą	N Q	QN
1,1,2-Trichloroethane	NS	R	NO	Ð	ΩŽ	Ð	QX
Tetrachloroethene	5	197	2760	7.81	4040	0.321	QN
Dibromochloromethane	20	NO	NO.	QN Q	ND	Q.	QN
Chlorobenzene	5	S	QN	£	ΩN	Q N	QN.
Ethylbenzene	5	Ę	OZ OZ	Q Q	NO	ΩN	QN
Total Xylenes	5	Q	Q	QN	Q.	Q.	QN
Вготобогт	SN	S	ON ON	N Q	ND	QN	ΩN
1,1,2,2-Tetrachloroethane	5	g	ΩN	ND	Ą	Q.	N QN
1,3-Dichlorobenzene	5	S	QN	QN QN	S	ΩŽ	QN
l,4-Dichlorobenzene	5	R	QN	R	ΩN	Q.	QN
1,2-Dichlorobenzene	4.7	N Q	ND	ΩN	N ON	QN	ΩN
TOTAL VO's:	SN	212.4	3629.5	7.81	5332	0.321	QN QN
TOTAL TIC's:	NS	65.5	410	QN.	825	N N	ND
TOTAL VO's & TIC's:	NS	277.9	4039.5	7.81	6157	0.321	NO

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in Boldface

Monitoring Well - Groundwater Sampling Results Volatile Organic Universal Voltronics

Client ID:	NYSDEC	MW-3	MW-5	9-MM	FR. I DR	άħ
Date Sampled:	GROUNDWATER	9/6/01	10/9/6	10/L/6	9/7/01	10/9/6
Matrix:	STANDARDS	Aqueous	Aqueons	Aqueous	Aqueous	Aqueous
Volatiles (ppb)						
Chloromethane	NS	ND	ON	ND	OZ	QN
Vinyl Chloride	2	ND	ND	4.93	QX	S
Bromomethane	NS	QN	QN	QX	QN	Q Q
Chloroethane	50	QN	QZ QZ	QX	Q	S
Trichlorofluoromethane	NS	N N	QN	ND	QN	Q
Acrolein	NS	ΩN	ND	ND	QN	S
1,1-Dichloroethene	5	N Q	QX	ND	QN	Q R
Methylene Chloride	٠,	Q.	QN	ND	Q	9
Acrylonitrile	NS	QN.	QN	ND	QN	QN
trans-1,2-Dichloroethene	5	ND	QN Q	Q.	Q.	ND
1,1-Dichloroethane	5	1.31	QN	QX	QX	S
Chloroform	7	ND	<u>R</u>	QN	QN QN	QN
1,1,1-Trichloroethane	5	ΩN	ND	ΩN	QN	R
Carbon Tetrachloride	5	ΩN	Q	Q.	QN.	<u>R</u>
1,2-Dichloroethane(EDC)	5	ND	ND	ΩN	NON	QN
Benzene	0.7	ND	QN.	Ę	QX	NON
Trichloroethene	5	Q	64.2	Q.	QN	N
1,2-Dichloropropane	NS	Q Z	QN	Q.	QN	S
Bromodichloromethane	NS	Ŕ	QN	QN	QN	QN
2-Chloroethylvinyl Ether	NS	Ð	Q.	ND	ND	QN
cis-1,3-Dichloropropene	NS	Q	QN	Q.	ND	QN
Loluene	5	Q Q	QN	Q.	S	S
trans-1,3-Dichloropropene	NS	QN Q	QN	N ON	Q	QN
1,1,2-Irichloroethane	NS	S S	ΩÑ	N Q	Q.	QN
I etrachloroethene	S	17	3380	NO NO	QZ QZ	ON
Dibromochloromethane	20	S	QN	Q	N QN	QN
Chlorobenzene	٠	S S	QN	NO	N N	- Q
Ethylbenzene	S	S	Q.	ND	Q.	QN
Fotal Xylenes	5	N QN	Q.	QN ON	QZ	QN
Bromotorm	SN	S	QN	S	QN.	ON
1,1,2,2-Tetrachloroethane	\$	S	S	ΩŽ	QX	Q.
1,3-Dichlorobenzene	٠,	Q	R	S S	ND	QX
1,4-Dichlorobenzene	5	ΩN	ND	S	Q.	QN QN
1,2-Dichlorobenzene	4.7	Q	Q	QN	QN	QN.
TOTAL VO's:	SN	18.31	3444.2	4.93	QN ON	QN
TOTAL TIC's:	SN	N Q	Q.	QN	QN.	Q
TOTAL VO'S & TIC's:	NS	18.31	3444.2	4.93	Ð	ND

ND = Analyzed for but Not Detected at the MDL

NS = No Standard

All exceedences of the NYSDEC GW Standards are in Boldface

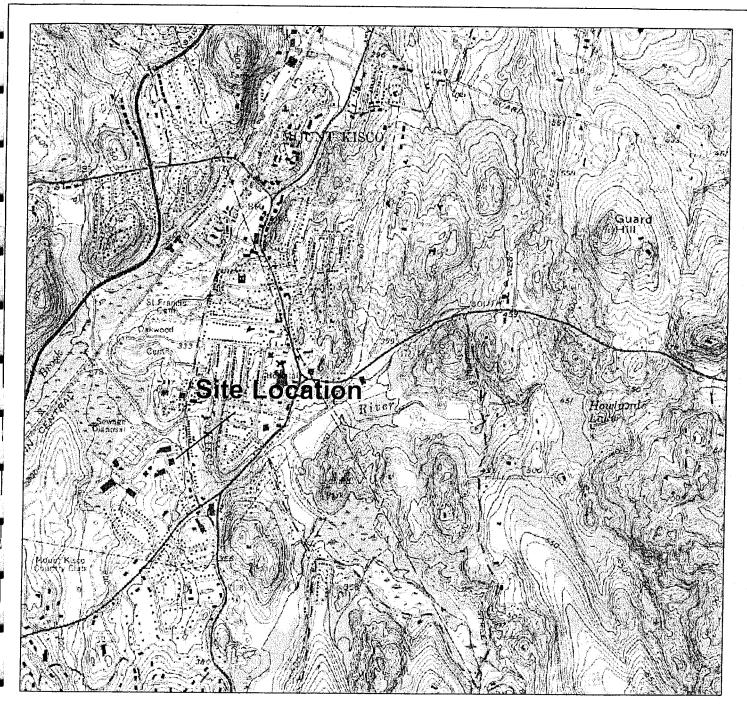
Surface Water Sampling Results
Volatile Organic
Universal Voltronics

Aqueous Aqueou	Client ID:	NYSDEC	SW-NCD	SW-CP	SW-1U	SW-2D	r.R.
NS	Date Sampled: Matrix:	GROUNDWATER STANDARDS	9/7/01	9/7/01	9/7/01	9/7/01	10/1/6
NS	Volatiles (ppb)		anouk.	choonby	snoanhy	Aqueous	Aqueous
NS	Chloromethane	NS	ND	CZ	Z.	CIN	Ę
NS	Vinyl Chloride	7	CZ	20.5	9 -	2 2	2 5
SO ND ND ND hene NS ND ND ND oride S ND ND ND oride S ND ND ND oride S ND ND ND blane S ND ND ND cethane S ND ND ND ND cethane	Bromomethane	NS	S	Ę	· §	2 2	2 5
NS ND ND ND better 5 ND ND ND lordetene 5 ND ND ND lordetene 5 ND ND ND lordetene 5 ND ND ND lane 5 ND ND ND lane 5 ND ND ND lane 7 ND ND ND lane 5 ND ND ND lane 131 534 37.3 lane ND ND ND ND lane ND ND ND ND lane ND ND ND ND lane ND ND ND ND <t< td=""><td>Chloroethane</td><td>20</td><td>QN</td><td>Ê</td><td>2 5</td><td>ON CN</td><td>2 5</td></t<>	Chloroethane	20	QN	Ê	2 5	ON CN	2 5
NS ND ND ND ND ND ND ND	Trichlorofluoromethane	SN	QN	£	2 2	9 9	2 5
Name	Acrolein	SN	Q.	Q	2	2 S	
NS	1,1-Dichloroethene	5	QN	QN	2	2 5	2 5
NS	Methylene Chloride	5	ND	S	Q	2 2	2 5
Name	Acrylonitrile	SN	ΩN	QN	ND	2	2 2
ND ND ND ND ND ND ND ND	trans-1,2-Dichloroethene	5	QN	QN	QN	QN	Q N
bethane	I, I-Dichloroethane	5	Q Q	Q.	ΩN	ND	QN.
bentance 5 ND	Citiorotomia 1 1 1 Timestiment	7	QN Q	Q	ΩN	ND	Q
Name	1,1,1-111Cmoroemane Carbon Tetmoblogida	5	g	QN	QN	<u>R</u>	QN
ND ND ND ND ND ND ND ND	1 2-Dichloroghand(FDC)	S I	Q Q	ND	QN	ND	Q.
e 5 ND ND ND ND opane NS ND ND ND ND methane NS ND ND ND ND inyl Ether NS ND ND ND ND opropene S ND ND ND ND opropene S ND ND ND ND oprop	1,z-Dicinoroeurane(EDC)	2 0	2	QN	Q	ND	QN
Opanie NS ND 131 534 37.3 opanie NS ND ND ND ND methane NS ND ND ND ND opropene NS ND ND ND ND opropropene NS ND ND ND ND opropene S ND ND ND ND opropene S ND ND ND ND opropene S ND ND ND ND <t< td=""><td>Trichloroethene</td><td>0.7</td><td>Q Z</td><td>Q.</td><td>Ω</td><td>ND</td><td>QN</td></t<>	Trichloroethene	0.7	Q Z	Q.	Ω	ND	QN
optation NS ND ND ND intyl Ether NS ND ND ND ND intyl Ether NS ND ND ND ND ND opropene NS ND ND ND ND ND ND oropropene NS ND	1 2-Dichloronronno	٠ ^٢ ,	Q	131	53.4	37.3	£
inyl Ether NS ND ND ND ND ND ND ND Oppopene NS ND	Bromodickloromothers	SN S	Q :	S	Q Q	QN	Ð
No	2-Chloroethylyinyl Ether	S S	2 !	S	R	QN	g
No	cis-1 3-Dichloropropen	SN	a !	Q.	ND	QN	S
oropropene NS ND ND ND ND ND ND chane hS ND	Toluene	S. Y	9 9	2	Q.	QN	S
tethane NS ND	trans-1 3-Dichloropropene	C IX	2 1	Q.	S S	NO ON	QN
No.	1.1.2-Trichlornethane	S S	Q !	2	QZ QZ	QN.	QN
ND NO ND ND ND ND ND ND	Tetrachloroethene	. SN	Q !	Q i	Q	ΩN	Q.
ND ND ND ND ND ND ND ND	Dibromochloromethane	n (a !	1060	413	281	Q
ND ND ND ND ND ND ND ND	Chlorohenzene) (2 !	S	R	QN	ON
ND ND ND ND ND ND ND ND	Ethylhenzene	Λ ¥	Q ;	Q	ND Q	ΩN	QN
No	Total Yulanan	Λ ·	QN	Ω	Ð	Q.	S
NS	Total Ayielles Bromoform	ر د	<u>8</u> .	ND	Q Q	QN	QN
ND ND ND ND ND ND ND ND	1 1 2 2 Totmoshlossout	S.	QN	Ð	Q.	ΩN	Q.
ND	1,1,2,2-1 cuacinoroemane	50 "	NO ON	QN	QN	ND	Q.
ND	1.3-Dichlorohamana	Λ '	Q N	S	Q.	ND	Q
MS ND 1211.5 473.4 318.3 NS ND 1201.5 473.4 318.3 NS ND 120 60.5 49 NS ND 1331.5 533.9 367.3 NS ND 1331.5 533.9 367.3 NS ND ND NS ND	1 2.Dichlorohenzene	Λ,	Q Z	Ð	Q	ND	QN QN
NS ND 1211.5 473.4 318.3 NS ND 120 60.5 49 2 TIC's: NS ND 1331.5 533.9 367.3	TOTAL MOUSE	4./	Ω	Ð	ΩN	ND	Q.
R TIC's: NS ND 120 60.5 49 NS ND 1331.5 533.9 367.3	TOTAL VOS:	SN	Q	1211.5	473.4	318.3	S S
NS ND 1331.5 533.9 367.3	TOTAL MOS.	SN	R	120	60.5	49	S
	TOTAL VOS & HCS.	NS	ND	1331.5	533.9	367.3	QN

ND = Analyzed for but Not Detected at the MDL

NS = No Standard

All exceedences of the NYSDEC GW Standards are in Boldface





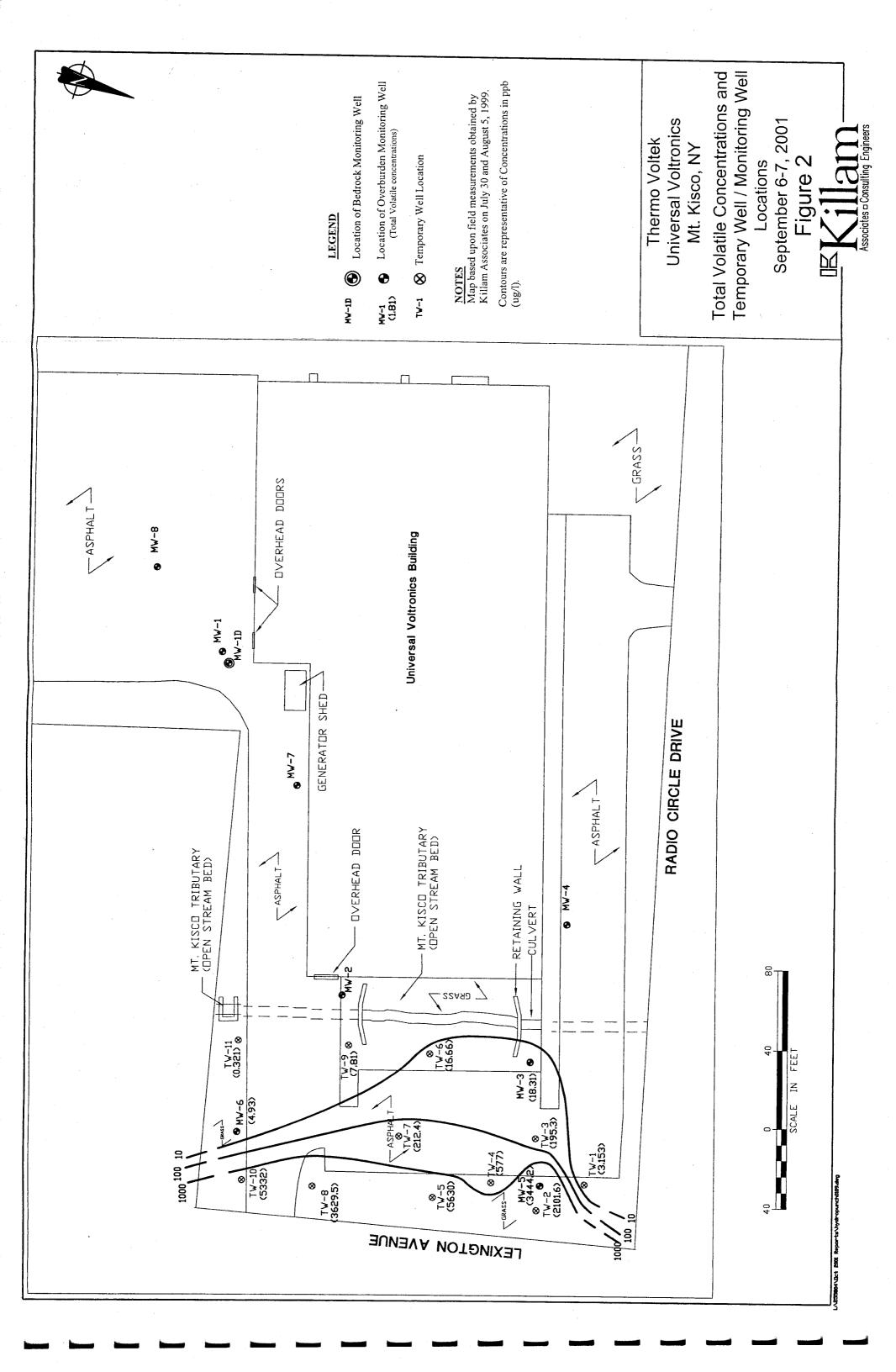
Source: Mount Kisco, NY 1975 USGS Topographic Quadrangle

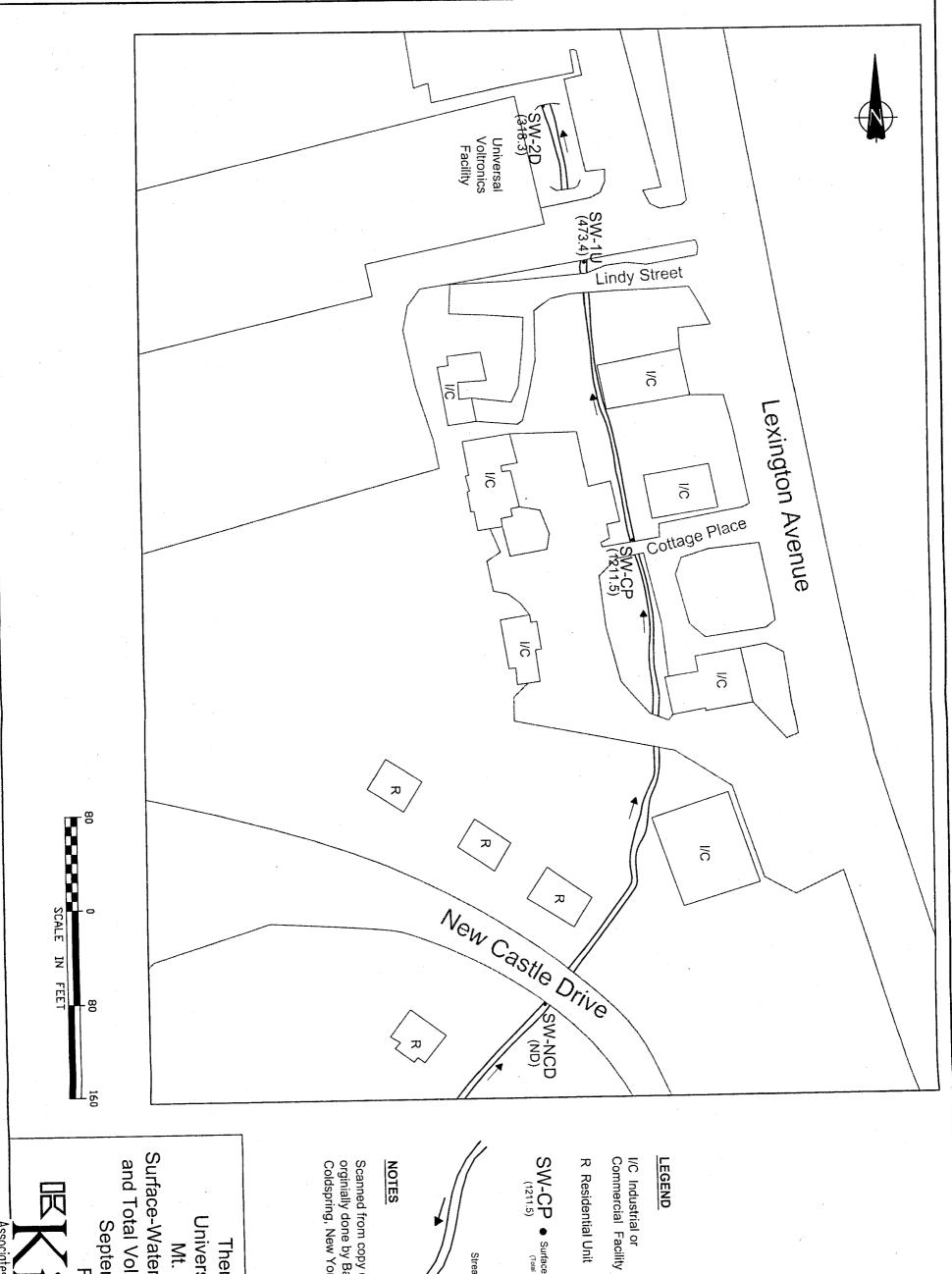
Scale 1" = 2,000'

27 Radio Circle Drive Mount Kisco, NY Figure 1

Site Location







Stream and Flow Direction

SW-CP • Surface-water Sample Location (1211.5) (Total Targeted Volatile Concentration (ppb))

NOTES

Scanned from copy of Village Map as orginially done by Badey & Watson; Coldspring, New York.

Surface-Water Sampling Locations and Total Volatile Concentrations September 7, 2001 Universal Voltronics Mt. Kisco, NY Thermo Voltek Figure 3

Associates a Consulting Engineers

Appendix A

Ground Water Sampling Logs

Owner's Well N	lo. :	MW-3	_			
Client: Site Location:	Thermo Ele	ctron - Universal Vo IY	oltronics	_	Date: ETKA No:	9/6/01 255804.0001
Well Type:	Monitoring '	Well 4" - PVC		Geologi	c Formation:	Overburden
Elevations Top of Casing:	98.36	<u>ft</u>	Ground Su	ırface:	98.73 fi	<u>.</u>
Total Well Dept Depth to Screen			14.5			
Purge Inform Depth to Water Organic Vapor Depth to Free p Free product th	from Top of Readings: roduct:	Casing:	N/	9 feet 1 ppm A feet 0 feet		
Purging Method	i:	Centrifugal Pump			Start time:	1416 hrs
One Well Volum Total Purge Vol DTW after Purg	ume:	7.12 Gal 22 Gal 6.80 ft			End time: Purge Rate:	1543 hrs 0.25 GPM
Purge Chemistr	before after	Temperature (°C) 21.5 21.3	<u>pH</u> 7.11 7.61	DO 3.3 2.1	Cond (S) 0.17 60 (mS)	
Sampling Info Sample Number Sample Method	•	MW-3 Teflon Bailer		Sample \$	Start Time:	1630 hrs
DTW before San DTW after Samp		3.71 ft 3.92 ft		Sample A	Analysis:	VO+10
Sample Chemist	tries	Temperature (°C)	<u>pH</u> 7.75	<u>DO</u> 5.3	Cond (S) 58 (mS)	
Field Personnel:		A. Zolnowski, S. Ike	9	·		
Comments:	None.					

Owner's Well N	No. :	MW-5	_				
Client: Site Location:	Thermo Ele	ectron - Universal Vo NY	ltronics		Date: ETKA No:	9/6/01 255804.0001	
Well Type:	Monitoring	Well 4" - PVC	-	Geolog	ic Formation:	Overburden	
Elevations Top of Casing:	97.86	<u>ft</u>	Ground St	urface:	98.19 f	<u>t</u>	
Total Well Dept Depth to Scree			14.5 4	ft ft			
Purge Inform Depth to Water Organic Vapor Depth to Free p Free product th	from Top of Readings: product:	Casing:	11 N	7 feet 4 ppm A feet 0 feet			
Purging Method	d:	Centrifugal Pump			Start time:	1254	
One Well Volun Total Purge Vol DTW after Purg	ume:	7.20 Gal 22 Gal 4.49 ft	•		End time: Purge Rate:	1402 0.32 GPM	
Purge Chemistr	before after	Temperature (°C) 20.1 26.1	<u>pH</u> 6.73 6.98	DO 3.8 3.7	Cond (S) 0.16 78 (mS)		
Sampling Info Sample Number Sample Method	r:	MW-5 Teflon Bailer		Sample :	Start Time:	1510 hrs	
DTW before Sar DTW after Samp	. •	3.57 ft 3.71 ft		Sample A	Analysis:	VO+10	
Sample Chemis	tries	Temperature (°C) 22.8	<u>pH</u> 6.74	<u>DO</u>	Cond (S) 0.14		
Field Personnel	:	A. Zolnowski, S. Ike	9				
Comments:	None.					· .	

Owner's Well	No. :	MW-6	_			
Client: Site Location:	Thermo Ele Mt. Kisco, N	ectron - Universal Vo NY	oltronics	<u> </u>	Date: ETKA No:	9/7/01 255804.0001
Well Type:	Monitoring	Well 4" - PVC	-	Geologi	c Formation:	Overburden
Elevations Top of Casing	:100.02	<u>ft</u>	Ground St	urface:	100.42 ft	
Total Well Dep Depth to Scree	•	•	14.5	<u>ft</u>		
Purge Inform Depth to Water Organic Vapor Depth to Free p Free product th	from Top of Readings: product:	Casing:	N N	5 feet ppm A feet 0 feet		
Purging Metho	d: ,	Centrifugal Pump			Start time:	0826 hrs
One Well Volun Total Purge Vol		7.08 Gal 22 Gal			End time:	0903 hrs
DTW after Purg		6.20 ft			Purge Rate:	0.59 GPM
Purge Chemisti	before after	Temperature (°C) 18.7 21.7	<u>pH</u> 7.22 6.78	<u>DO</u> 2.1 3.3	Cond (S) 83 (mS) 0.26	
Sampling Info	r:	MW-6 Teflon Bailer		Sample S	start Time:	0935 hrs
DTW before Sar DTW after Samp		3.85 ft 4.11 ft		Sample A	nalysis:	VO+10
Sample Chemis	tries	Temperature (°C) 20.4	<u>pH</u> 6.86	<u>DO</u>	Cond (S) 0.22	
Field Personnel	:	A. Zolnowski, S. Ike			·	
Comments:	None.					
						

Owner's Well N	lo. :	TW-1	_				
Client: Site Location:	Thermo Ele	ctron - Universal Vo IY	oltronics		Date: ETKA No:	9/7/01 255804.0001	
Well Type:	Temporary	Well 1" - PVC		Geolog	ic Formation:	Overburden	
Elevations Top of Casing:	N	<u>4</u>	Ground St	urface:	NA	· · · · · · · · · · · · · · · · · · ·	
Total Well Dept Depth to Screen			15.0 5	ft ft			
Purge Inform Depth to Water Organic Vapor I Depth to Free p Free product th	from Top of Readings: roduct:	Casing:	N N	1 feet* D ppm A feet 0 feet			
Purging Method	i:	Peristaltic Pump			Start time:	0834 hrs	
One Well Volum Total Purge Vol DTW after Purgi	ume:	0.413 Gal 2.5 Gal 5.35 ft			End time:	0904 hrs	
Purge Chemistr	ies before after	Temperature (°C) 19.2 19.4	<u>pH</u> 7.49 6.87	DO 1.8 3.4	Cond (S) 46 (mS) 96 (mS)		
Sampling Info Sample Number Sample Method:	:	TW-1 Teflon Bailer		Sample –	Start Time:	1045 hrs	
DTW before San DTW after Samp		4.97 ft 5.21 ft		Sample	Analysis:	VO+10	
Sample Chemist	•	Temperature (°C)	<u>рН</u> 7.03	<u>DO</u>	Cond (S) 77 (mS)		
Field Personnel:		A. Zolnowski, S. Ik	e		W-9-001-1-000		
Comments:	* Initial depth	to water was from t	the top of 18	5 ft. PVC.			
-							

Owner's Well N	lo. :	TW-2	_				
Client: Site Location:	Thermo Ele	ctron - Universal Vo IY	oltronics		Date: ETKA No:	9/7/01 255804.0001	
Well Type:	Temporary	Well 1" - PVC	_	Geolog	ic Formation:	Overburden	
Elevations Top of Casing:	N/	<u> </u>	Ground Si	ırface:	NA	_	
Total Well Dept Depth to Screen			15.0 5	ft ft			
Purge Inform Depth to Water Organic Vapor I Depth to Free p Free product thi	from Top of Readings: roduct:	Casing:	N	5 feet* 1 ppm A feet 0 feet			
Purging Method	l:	Peristaltic Pump			Start time:	0911 hrs	
One Well Volum Total Purge Volu DTW after Purgi	ıme:	0.453 Gal 2.5 Gal 5.01			End time:	1015 hrs 0.039 GPM	
Purge Chemistri		Temperature (°C) 20.0 21.2	<u>pH</u> 7.47 6.81	DO 2.8 1.7	Cond (S) 54 (mS) 0.12	0.000 01 10	
Sampling Info Sample Number Sample Method:		TW-2 Teflon Bailer		Sample S	Start Time:	1055 hrs	
DTW before Sam DTW after Samp		4.10 ft 4.90 ft		Sample A	Analysis:	VO+10	
Sample Chemist	ries	Temperature (°C)	<u>рН</u> 6.86	<u>DO</u> 5.6	Cond (S) 0.11		
Field Personnel:		A. Zolnowski, S. Ike	9				
Comments: *	Initial depth	to water was from the	he top of 15	ft. PVC.			

Owner's Well N	o. :	TW-3	_				
Client: Site Location:	Thermo Ele	ctron - Universal Vo Y	oltronics	<u> </u>	Date: ETKA No:	9/7/01 255804.0001	
Well Type:	Temporary \	Well 1" - PVC	·	Geolog	ic Formation:	Overburden	· · · · · ·
Elevations Top of Casing:	NA	7	Ground St	ırface:	NA	<u>.</u>	
Total Well Dept Depth to Screen	-	•	150 5	<u>ft</u> ft			
Purge Inform Depth to Water Organic Vapor I Depth to Free p Free product the	from Top of Readings: roduct:	Casing:	N N	9 feet* D ppm A feet 0 feet			
Purging Method	l :	Peristaltic Pump	-		Start time:	1020 hrs	
One Well Volum Total Purge Volu DTW after Purgi	ume:	0.455 Gal 2.5 Gal 4.97 ft	•		End time: Purge Rate:	1124 hrs 0.039 GPM	
Purge Chemistr	ies before after	Temperature (°C) 23.9 25.6	<u>pH</u> 7.60 7.37	DO 4.5 6.4	Cond (S) 52 (mS) 0.09		
Sampling Info Sample Number Sample Method: DTW before San	:	TW-3 Teflon Bailer 4.13 ft		_	Start Time: Analysis:	1310 hrs	
DTW after Samp		5.10 ft		ouripie :	, mary 515.	70 10	
Sample Chemist	ries	Temperature (°C) 24.9	<u>pH</u> 6.96	<u>DO</u>	Cond (S) 83 (mS)		
Field Personnel:		A. Zolnowski, S. Ik	е			·	
Comments:	* Initial depth	to water was from t	the top of 15	5 ft. PVC.	, .		

Owner's Well No. :	TW-4	<u>.</u>			
	rmo Electron - Universal Vo Kisco, NY	oltronics	Date: ETKA No:	9/7/01 255804.0001	
Well Type: Tem	nporary Well 1" - PVC	Geolo	ogic Formation:	Overburden	· .
Elevations Top of Casing:	NA_	Ground Surface:	NA		
Total Well Depth from Depth to Screen from		15.0 ft 5 ft			
Purge Informatio Depth to Water from Organic Vapor Read Depth to Free product	 Top of Casing: ings: ct:	4.82 feet* ND ppm NA feet 0 feet			
Purging Method:	Peristaltic Pump	•	Start time:	1027 hrs	
One Well Volume: Total Purge Volume: DTW after Purging:	0.417 Gal 2.5 Gal 5.37 ft		End time: Purge Rate:	1123 hrs 0.044 GPM	
Purge Chemistries before after	and the second s	pH DO 7.12 2.6 6.74 3.1	74 (mS)	·	
Sampling Information Sample Number: Sample Method:	TW-4 Teflon Bailer	Samp	le Start Time:	1320 hrs	
DTW before Sampling:	·	Sampl	le Analysis:	VO+10	
Sample Chemistries	Temperature (°C)	pH <u>DO</u> 6.93 3.1	Cond (S) 0.12		
Field Personnel:	A. Zolnowski, S. Iko	е			
Comments: * Initi	al depth to water was from t	the top of 15 ft. PVC	>.		

Owner's Well N	lo. :	TW-5	- -		•	a de	
Client: Site Location:	Thermo Ele	ctron - Universal Vo Y	ltronics		Date: ETKA No:	9/7/01 255804.0001	
Well Type:	Well Type: Temporary Well 1" - PVC			Geologi	c Formation:	Overburden	
Elevations Top of Casing:	N/	<u>4</u>	Ground Su	ırface:	NA	•	
Total Well Dept Depth to Screen	-	-	15.0 10	_			
Purge Inform Depth to Water Organic Vapor I Depth to Free p Free product th	from Top of Readings: roduct:	Casing:	0. N	9 feet* 6 ppm A feet 0 feet			
Purging Method	i:	Peristaltic Pump			Start time:	1135 hrs	*
One Well Volum Total Purge Vol DTW after Purgi	ume:	0.447 Gal 1 Gal 9.64 ft	· · · · · · · · · · · · · · · · · · ·		End time:	1220 hrs 0.022 GPM	
Purge Chemistr	ies before after	Temperature (°C) 22.0 19.9	<u>pH</u> 7.69 8.03	DO 3.1 1.2	Cond (S) 67 (mS) 55 (mS)		
Sampling Info Sample Number Sample Method	••	TW-5 Teflon Bailer		Sample \$	Start Time:	1420 hrs	
DTW before San DTW after Samp	. •	4.28 ft 7.63 ft		Sample /	Analysis:	VO+10	
Sample Chemis	tries	Temperature (°C)	<u>pH</u> 8.05	<u>DO</u>	Cond (S) 58 (mS)		
Field Personnel	:	A. Zolnowski, S. Ik	e				
Comments:	* Initial depth	to water was from t	the top of 15	5 ft. PVC.			

Client: Site Location:	Thermo El Mt. Kisco,	ectron - Universal Vo NY	ltronics	9/7/01 255804.0001		
Well Type:	Temporary	Well 1" - PVC	-	Geolog	ic Formation:	Overburden
Elevations Top of Casing:		NA_	Ground S	urface:	NA	
Total Well Depti Depth to Screer	•	_	15.0 10			
Purge Inform Depth to Water of Organic Vapor F Depth to Free po Free product thi	from Top o Readings: roduct:	f Casing:	N N	t1 feet* D ppm A feet 0 feet		
Purging Method	:	Peristaltic Pump			Start time:	1153 hrs
One Well Volum Total Purge Volu	ıme:	0.442 Gal 1 Gal			End time:	1217 hrs
DTW after Purgi	ng:	9.72 ft	•		Purge Rate:	0.041 GPM
,	es before after	Temperature (°C) 23.1 22.1	<u>pH</u> 7.90 8.21	7.4 9.0	Cond (S) 69 (mS) 64 (mS)	
Sampling Info Sample Number Sample Method:	•	TW-6 Teflon Bailer		Sample –	Start Time:	1402 hrs
OTW before Sam OTW after Samp		4.55 ft 6.43 ft		Sample	Analysis:	VO+10
Sample Chemist	ries	Temperature (°C) 22.1	<u>рН</u> 7.93	<u>DO</u>	Cond (S) 67 (mS)	
Field Personnel:		A. Zolnowski, S. Iko	9			
Comments:	* Initial dept	h to water was from t	he top of 1	5 ft. PVC		
_			P '	· · · · · · · · · · · · · · · · · · ·		

Owner's Well No. :		TW-7	_				
Client: Site Location:	Thermo Ele Mt. Kisco, I	ectron - Universal Vo NY			Date: ETKA No:	9/7/01 255804.0001	
Well Type:	Temporary	Well 1" - PVC	- ,	Geolog	ic Formation:	Overburden	
Elevations Top of Casing:	N	<u>A</u>	Ground St	ırface:	NA		
Total Well Depth from Top of Casing: Depth to Screen from Top of Casing:			15.0 ft 10 ft				
Purge Inform Depth to Water Organic Vapor Depth to Free p Free product th	from Top of Readings: roduct:	f Casing:	N N	9 feet* D ppm A feet 0 feet			
Purging Method	d:	Peristaltic Pump			Start time:	1250 hrs	
One Well Volum Total Purge Vol DTW after Purg	ume:	0.463 Gal 1 Gal 4.85 ft	•		End time: Purge Rate:	1340 hrs 0.02 GPM	-
Purge Chemistr	ies before after	Temperature (°C) 22.7 24.2	<u>pH</u> 7.32 7.01	DO 6.4 2.2	Cond (S) 0.12 98 (mS)		
Sampling Info Sample Number Sample Method	•	TW-7 Teflon Bailer		Sample :	Start Time:	1530 hrs	
DTW before San DTW after Samp		4.06 ft 6.07 ft		Sample A	Analysis:	VO+10	
Sample Chemis	tries	Temperature (°C)	<u>рН</u> 7.12	<u>DO</u> 4.5	<u>Cond (S)</u> 0.12		
Field Personnel:	:	A. Zolnowski, S. Ik	e				
Comments:	* Initial depth	n to water was from t	the top of 15	5 ft. PVC.			

Owner's Well N	lo. :	TW-8	· · · · · · · · · · · · · · · · · · ·				
Client: Site Location:	Thermo Ele	ectron - Universal V NY	/oltronics	 .	Date: ETKA No:	9/7/01 255804.0001	
Well Type:	Temporary	Well 1" - PVC		Geologi	c Formation:	Overburden	
Elevations Top of Casing:	N	<u>A</u>	Ground St	ırface:	NA		
Total Well Dept Depth to Screen			15.0 10				
Purge Inform Depth to Water Organic Vapor I Depth to Free p Free product the	from Top of Readings: roduct:	Casing:	0. N	1 feet* 3 ppm 4 feet 0 feet			
Purging Method	i:	Peristaltic Pump	-		Start time:	1237 hrs	
One Well Volum Total Purge Volu DTW after Purgi	ume:	0.369 Ga 1 Ga 7.451	<u>1</u>		End time:	1335 hrs 0.017 GPM	
	ies before after	Temperature (°C 23.4 NR) <u>pH</u> 7.08 NR	DO 3.2 NR	Cond (S) 0.30 NR		
Sampling Info Sample Number Sample Method:	•	TW-8 Teflon Bailer	_	Sample S	Start Time:	1520 hrs	
DTW before Sam DTW after Samp		6.15 f		Sample A	Analysis:	VO+10	·
Sample Chemist	ries	Temperature (°C)	pH 6.90	<u>DO</u>	Cond (S) 0.39	· · · · · · · · · · · · · · · · · · ·	
Field Personnel:		A. Zolnowski, S. I	ke			· .	
		to water was from not obtained due					

Owner's Well N	0.:	TW-9	-			
Client: Site Location:	Thermo Ele Mt. Kisco,	ectron - Universal Vo NY	oltronics		Date: ETKA No:	9/7/01 255804.0001
Well Type:	Temporary	Well 1" - PVC	Geologic Formation:			Overburden
Elevations Top of Casing:	 		Ground Surface:		NA	<u>.</u>
Total Well Depti Depth to Screen	-	_	15.0 5	<u>ft</u> ft		
Purge Inform Depth to Water Organic Vapor F Depth to Free product this	from Top o Readings: roduct:	f Casing:	N N	6 feet* D ppm A feet 0 feet		
Purging Method	:	Peristaltic Pump			Start time:	1438 hrs
One Well Volum Total Purge Volu DTW after Purgi	ıme:	0.383 Gal 3 Gal 6.00 ft			End time: Purge Rate:	1540 hrs 0.048 GPM
	es before after	Temperature (°C)	<u>pH</u> 7.88 7.94	DO 5.4 80	Cond (S) 48 (mS) 49 (mS)	
Sampling Info Sample Number Sample Method:		TW-9 Teflon Bailer		Sample	Start Time:	1630 hrs
DTW before Sam DTW after Samp		5.90 ft 6.49 ft		Sample /	Analysis:	VO+10
Sample Chemist	ries	Temperature (°C)	<u>pH</u> 7.98	<u>DO</u> 2.9	<u>Cond (S)</u> 48 (mS)	
Field Personnel:		A. Zolnowski, S. Ike	9			
Comments:	* Initial depti	n to water was from t	he top of 15	5 ft. PVC.		
· -						
_	<u></u>					

Owner's Well N	0. :	TW-10	_				
Client: Site Location:	Thermo Ele Mt. Kisco, I	ectron - Universal Vo NY	oltronics		Date: ETKA No:	9/10/01 255804.0001	·
Well Type:	Temporary	Well 1" - PVC	_ Geologic Formation		ic Formation:	Overburden	·
Elevations Top of Casing: NA			Ground S	urface:	NA		
Total Well Depth from Top of Casing: Depth to Screen from Top of Casing:			15.0 5	ft ft			
Purge Inform Depth to Water of Organic Vapor F Depth to Free pr Free product thi	from Top o Readings: roduct:	f Casing:	0 N	7 feet* 4 ppm A feet 0 feet			
Purging Method	:	Peristaltic Pump			Start time:	0845 hrs	
One Well Volum Total Purge Volu DTW after Purgi	ıme:	0.403 Gal 2.5 Gal 5.52			End time: Purge Rate:	0950 hrs	
ļ.	es before after	Temperature (°C) NR NR	<u>pH</u> NR NR	DO NR NR	Cond (S) NR NR		
Sampling Info Sample Number: Sample Method:		TW-10 Teflon Bailer		Sample S	Start Time:	1035 hrs	
DTW before Sam DTW after Samp	. •	5.37 ft 5.36 ft		Sample /	Analysis:	VO+10	
Sample Chemistries Temperature (°C) NR		<u>pH</u> NR	DO NR	Cond (S)			
Field Personnel:		A. Zolnowski, M. S.	mith	***			
		n to water was from t g not obtained due to					

Owners well i	NO. :	IVV-11	-				
Client: Site Location:					Date:	9/10/01	-
Site Location:	Mt. Kisco, I	NY			ETKA No:	255804.0001	
Well Type:	Temporary	Well 1" - PVC	· -	Geolog	ic Formation:	Overburden	·
Elevations				`	•		
Top of Casing:	N	<u>A</u>	Ground S	urface:	NA	<u>.</u>	
Total Well Den	th from Ton	of Casing:	15.0) ft			
	Total Well Depth from Top of Casing: Depth to Screen from Top of Casing:) ft			
Purge Inform	nation						
Depth to Water	from Top of	f Casing:	4.9	93 feet*			
Organic Vapor			N	ID ppm			•
Depth to Free p				IA feet			
Free product th	nickness:			0 feet			
Purging Method	d:	Peristaltic Pump			Start time:	0758 hrs	
One Well Volun		0.403 Gal			End time:	0837 hrs	
Total Purge Vol		2.5 Gal			_		
DTW after Purg	ing:	5.41 ft			Purge Rate:	0.064 GPM	
Purge Chemistr	ries	Temperature (°C)	рН	DO	Cond (S)		
	before	NR	NR	NR	NR		
	after	NR	NR	NR	NR		·
Sampling Info	ormation						
Sample Number		TW-11		Sample	Start Time:	0930 hrs	
Sample Method		Teflon Bailer		Campie	otait inne.	0930 1113	
							
DTW before Sar		5.22 ft		Sample /	Analysis:	VO+10	
DTW after Samp	oling:	5.26 ft					
Sample Chemis	tries	Temperature (°C)	<u>PH</u>	<u>DO</u>	Cond (S)	÷	
		NR	NR	NR	NR		
Field Personnel	:	A. Zolnowski, M. Si	mith				
Comments:	* Initial denth	n to water was from t	he top of 1	5 ft PVC			
		not obtained due to					
•							

Appendix B

Laboratory Analytical Data Deliverables

(NYSDEC & and NYSDOH copies only)