

Heindel and Noyes

P.O. Box 64709 Burlington, Vermont 05406-4709

- Consulting Hydrogeologists
- Engineers
- Environmental Scientists

802-658-0820

Fax 802-860-1014

April 15, 1998

2271

Mr. Chuck Schwer
Sites Management Section
Agency of Natural Resources
103 South Main St.
Waterbury, Vermont 05671-0404

Re: Earth Waste Systems, Colchester

Dear Chuck,

Enclosed herein please find our "Limited Site Investigation Report" for the above noted site. Please feel free to call if you have any questions or concerns.

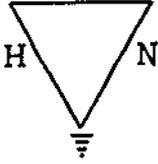
Sincerely,

Steve LaRosa
Senior Scientist

SL/rr

cc: Earth Waste Systems

Apr 15 10 27 AM '98



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EARTH WASTE SYSTEMS COLCHESTER, VERMONT

LIMITED SITE INVESTIGATION REPORT

Prepared by:

Heindel and Noyes

Prepared for:

*Kevin Elnicki
Earth Waste Systems*

APR 16 10 27 AM '98

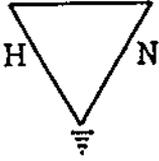
February 20, 1998

EARTH WASTE SYSTEMS COLCHESTER, VERMONT

LIMITED SITE INVESTIGATION REPORT

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EARTH WASTE SYSTEMS COLCHESTER, VERMONT

LIMITED SITE INVESTIGATION REPORT

1. INTRODUCTION

In July 1996 Heindel and Noyes incorporated (H&N) was retained by Mr. Kevin Elnicki, owner of Earth Waste Systems in Colchester, Vermont, to perform a Phase I Environmental Site Assessment on that property. The investigation included research into the historical land use of the property at the Colchester Town Clerk's Office and the University of Vermont Special Documents Collection. The site inspection included a buildings inspection, field testing for volatile organic compounds (VOCs) with a photoionization detector (PID), test pit excavations with backhoe in three locations, and hand augered soil boring and soil gas screening at three additional locations.

The results of this Phase I Environmental Site Assessment indicated that slightly elevated volatile organic compound levels were noted by PID in two hand augered soil gas samples located on the eastern portion of the property. A general location map is shown as Figure 1 of Appendix 1. A detailed site map showing locations of pertinent onsite structures and previous monitoring locations is included as Figure 2. Slightly elevated VOC levels were indicated at test locations HA-2 and HA-3 by PID screening between 1.0 and 3.7 ppm. No soil samples were obtained for laboratory analysis, therefore the character of the compounds giving the elevated PID readings was unknown.

The Vermont Department of Environmental Conservation (VDEC) reviewed the Phase I Environmental Assessment Report and responded in a November 20, 1997 letter. This letter requested further definition of the extent and degree of soil contamination in the HA-2

and HA-3 area, identification of the source of the contamination in the subject area, and submittal of the results in a brief report. In response, Mr. Elnicki contracted H&N to perform a limited site investigation.

This report details the subsurface investigation performed in the HA-2 and HA-3 area including all test data acquired and laboratory analyses performed.

2.0 SCOPE OF INVESTIGATION

Due to the relatively low PID signatures given in the HA-2 and HA-3 areas, and the lack of significant PID readings throughout the remainder of the site during test pit installation and evaluation, the limited subsurface investigation focused solely on the HA-2 and HA-3 area.

The limited subsurface investigation was comprised of the following:

1. Installation of two hand augered soil borings to a depth of 11 and 14 feet.
2. Collection and analysis of two soil samples from each boring by EPA Method 8260.
3. Installation of one PVC monitoring well in each of the soil borings.
4. Collection of a ground water sample from one of the new monitoring wells for analysis by EPA Method 602.

The results of the investigation are detailed in the sections below.

3.0 SUBSURFACE INVESTIGATION RESULTS

3.1 Soil Boring and PID Screening Results

Enclosed as pages 3 and 4 of Appendix 1 are descriptive soil and well construction logs for borings performed in the HA-2 and HA-3 areas. The borings were advanced utilizing hand augering techniques. PID screenings of all of the soils removed were performed. Review of the logs indicates that the site is underlain by interbedded layers of medium and fine sands with a small amount of silt and clay at the 10 to 14 foot depth. Moist to saturated soils were noted between 8 and 9 feet below grade.

An 11.7 electron volt lamp, HNu PID was utilized to screen all of the soils removed from each of the borings. As the well logs show, no PID readings above 1.6 ppm were given at the MW-HA-2 location. At the MW-HA-3 location, a reading of 13.5 ppm was given at a depth of 3 feet. The remainder of the soils gave PID readings less than 1.3 ppm. The highest PID readings given in each boring were between 2 and 3 feet below grade. No evidence of elevated PID readings below the 3 foot depth were measured in either boring.

3.2 Soil Sampling Results

Two soil samples were acquired from each boring. In each case the soil samples were acquired from between 2 and 3 feet below grade (the area giving the highest PID readings in each boring) and at the depth at which ground water was expected to be encountered. In MW-HA-2 the lower sample was taken between 9.7 and 10 feet. In MW-HA-3 the lower sample was obtained from between 7 and 8 feet. Each of the soil samples was refrigerated for delivery to the laboratory. Once at the lab, the samples were analyzed utilizing EPA Method 8260 and reporting EPA Method 602 compounds. The results of the laboratory analyses are included in Appendix 2. No quantifiable volatile organic compounds or unidentified peaks were reported in either sample from the MW-HA-2 location.

Sample results from the MW-HA-3 location indicate the presence of 69.5 parts per billion (ppb) toluene at the 2 to 3 foot depth. Four identified peaks were also seen in this sample. The laboratory indicates that the unidentified peaks averaged concentrations between 25 and 50 parts per billion. Two of the unidentified compounds appear to be cyclic hydrocarbons similar to turpenes (often found in association with the decay of pine needles and evergreens). The other two unidentified peaks appear to be aliphatic hydrocarbons. No quantifiable concentrations of contaminants or unidentified peaks were identified in the deeper sample (7 to 8 feet) at the MW-HA-3 location.

These data indicate that no significant soil contamination is seen in either location. The small quantities of contamination seen in the shallow soil sample at the MW-HA-3 location does not extend deeper than 3 feet below grade.

4.0 GROUND WATER QUALITY RESULTS

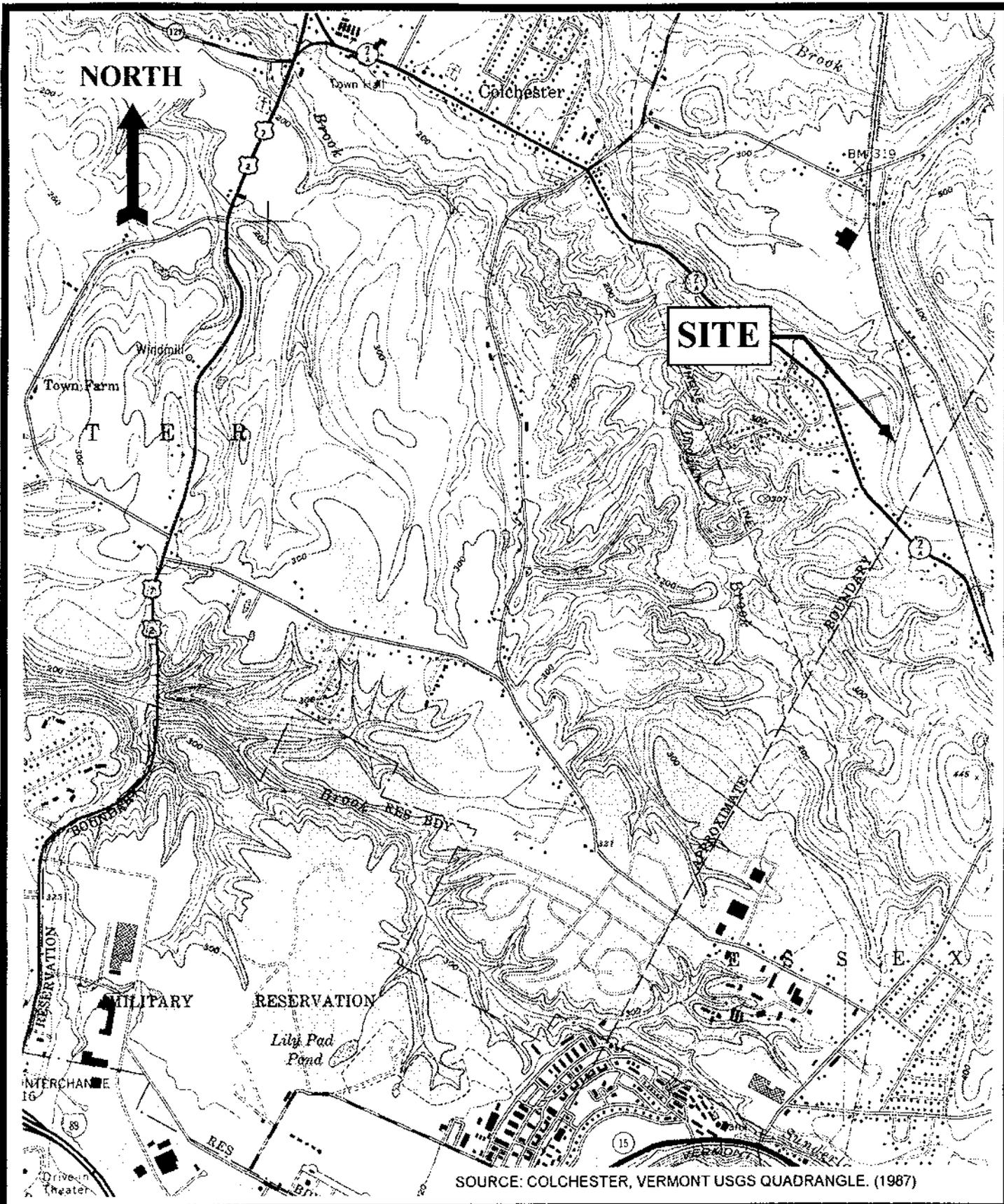
After a one week equilibration, each of the new monitoring wells was measured for the presence of ground water. MW-HA-2 contained ground water at 11.27 feet below grade. No water was found in MW-HA-3. MW-HA-2 was sampled on January 21, 1998 after appropriate purging. The samples were analyzed by EPA Method 602, the results of which are included in Appendix 3. No quantifiable levels of hydrocarbons were identified in the water sample and no unidentified peaks were found.

After an additional week of equilibration time, MW-HA-3 was once again monitored. No water was found within the well. A one-third horsepower regenerative blower was utilized to create a vacuum on the well in an effort to entrain water into the well for sampling. After 30 minutes of vacuum operation, no water had been drawn into the well. For this reason, a water sample was not obtained from this location.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The data collected during the subsurface investigation indicates that low levels of PID quantifiable volatile organic compounds exist near the ground surface at the HA-2 and HA-3 locations. Soil sample analyses indicate that the primary compounds present are toluene and breakdown products of evergreens. The concentration of toluene is well below the EPA Region III Risk Based Screening Concentration of 16,000 parts per million. The lack of quantifiable organic compounds at depth indicate that the surface related contamination has not reached the ground water. This is confirmed by the two soil and one ground water samples obtained.

The low levels of toluene quantified in the soils near the surface of the site can be accounted for by "drip and drop" type contamination from any number of sources such as equipment moving about the site, a thin veneer of oil on recycled metal parts in the area, utilization of this general area for access to the former houses at the rear of the property, etc. Due to the minimal level of soil contamination and lack of ground water contamination, we formally request that this site be issued a Sites Management Activities Completed (SMAC) designation and be removed from the active site list.



SOURCE: COLCHESTER, VERMONT USGS QUADRANGLE. (1987)

Elnicki/Earth Waste Systems	
COLCHESTER,	VERMONT
SITE LOCATION MAP	
SCALE: 1"=2000'	FILE: C:\EARTH\WST\SITEMAP

DATE: FEBRUARY 16, 1998
PROJECT NO. 97254
DRAWN BY: M. Luman
PROJ. MGR: S. LaRosa
APPROVED: J. Noyes

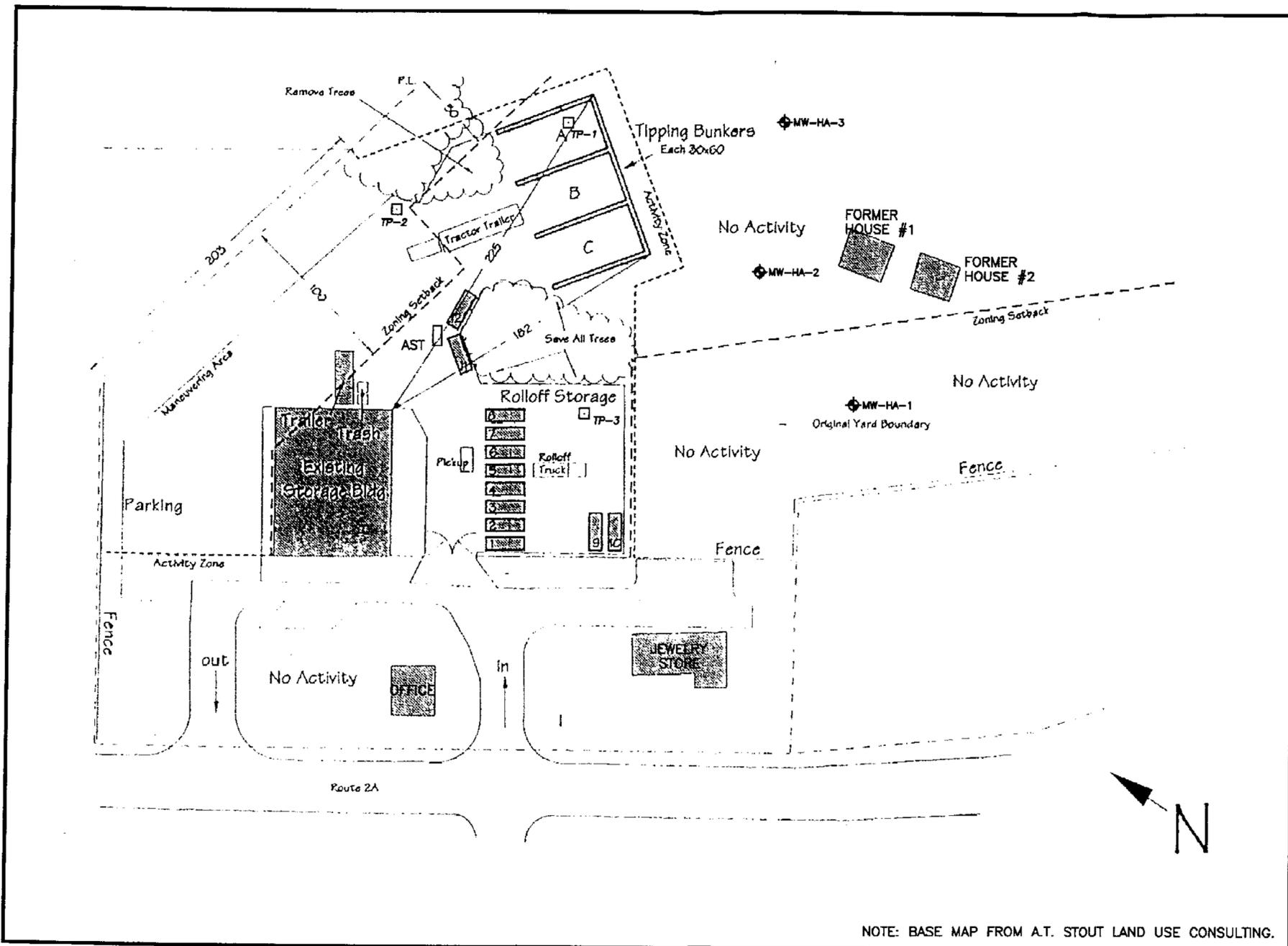
Heindel and Noyes

- Hydrogeology • Ecology •
- Environmental Engineering •

CONSULTING SCIENTISTS AND ENGINEERS

P.O. BOX 64709 BURLINGTON, VERMONT 05406

PREPARED BY: INFORMATION & VISUALIZATION SERVICES



NOTE: BASE MAP FROM A.T. STOUT LAND USE CONSULTING.

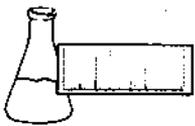
Heindel and Noyes • Hydrogeology • Ecology • Environmental Engineering CONSULTING SCIENTISTS AND ENGINEERS P.O. BOX 64709 BURLINGTON, VERMONT 05406-4709 Prepared By: Information & Visualization Services	
DATE: FEBRUARY 17, 1998 PROJECT NO. 97254 DRAWN BY: M. Lumann PROJ. MGR: S. LaRosa APPROVED: J. Noyes	<input type="checkbox"/> DRAFT <input type="checkbox"/> FINAL
EARTH WASTE SYSTEMS COLCHESTER, VERMONT	
FIGURE 2 - JUNK YARD PLAN SCALE: 1" = 60' FILE: C:\EARTHWS\ SITEPLAN	

**EARTH WASTE SYSTEMS
COLCHESTER, VERMONT
MONITORING WELL INSTALLATION LOGS
JANUARY 13, 1998
(11.7 eV Hnu)**

MW-HA-2		
DEPTH	SOIL DESCRIPTION	PID (ppm)
0' - 0.5'	Medium sand fill with metal scraps.	0.6
0.5' - 9.3'	Brown and grey, fine to medium sand.	1' - 0.3
		2' - 1.6
		3' - 0.9
		4' - 0.2
		5' - 0.4
		6' - 0.2
		7' - 0.6
		8' - 0.6
		9' - 0.3
9.3' - 9.7'	Grey brown, fine to very fine sand. Blocky, stiff, moist.	0.3
9.7' - 10.5'	Grey brown, fine to medium sand. Wet.	0.2
10.5' - 14'	Dark grey brown, silty fine sand with little clay.	11' - 0.2
		12' - 0.1
		13' - 0.1
		14' - 0.1
WELL CONSTRUCTION		
Bottom of Boring - 14'		
Bottom of Well - 14'		
Well Screen - 14' - 4', 2" Sch. 40 PVC 0.020" slot screen		
Sand Pack - 14' - 3' Native fill		
Bentonite Seal - 3' - 2'		
Stick-Up - 3'		

MW-HA-3		
0 - 2'	Black/brown, medium sand, loam, fill.	1' - 1.2
		2' - 1.3
2' - 5'	Grey brown, medium sand.	3' - 13.5
		4' - 0.5
		5' - 0.1
5' - 7.5'	Grey brown, fine to medium sand with silt. Layered, very moist, mottled, dense.	6' - 0.2
		7' - BG
7.5' - 8.5'	Grey brown, medium sand. Very moist to saturated.	8' - BG
8.5' - 11'	Grey brown, fine to medium sand with silt. Layered, dense, blocky.	9' - BG
		10' - 0.3
		11' - 0.2
WELL CONSTRUCTION		
Bottom of boring: 11'		
Bottom of well: 11'		
Well Screen: 11' - 3' 2" Sch. 40 PVC 0.020" slot screen		
Sand Pack: 11' - 2' Native fill		
Bentonite Seal: 2' - 1'		
Stick-Up - 2'		

BG = Background PID reading



ENDYNE, INC.

Laboratory Services

32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

REPORT OF LABORATORY ANALYSIS

CLIENT: Heindel and Noyes
PROJECT NAME: Earth Waste/Elnicki/97254 T0
DATE REPORTED: January 26, 1998
DATE SAMPLED: January 13, 1998

PROJECT CODE: HNEW1976
REF. #: 115,483 - 115,486

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody record.

Chain of custody indicated proper sample preservation.

All samples were prepared and analyzed by requirements outlined in the referenced methods and within the specified holding times.

All instrumentation was calibrated with the appropriate frequency and verified by the requirements outlined in the referenced methods.

Blank contamination was not observed at levels affecting the analytical results.

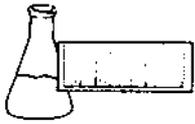
Analytical method precision and accuracy were monitored by laboratory control standards which included matrix spike, duplicate and quality control analyses. These standards were determined to be within established laboratory method acceptance limits.

Individual sample performance was monitored by the addition of surrogate analytes to each sample. All surrogate data was determined to be within Laboratory QA/QC guidelines unless otherwise noted.

Reviewed by,

Harry B. Locker, Ph.D.
Laboratory Director

enclosures



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32 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

EPA METHOD 602 COMPOUNDS BY EPA METHOD 8260

CLIENT: Heindel and Noyes
PROJECT NAME: Earth Waste/Elnicki/97254 T0
REPORT DATE: January 26, 1998
SAMPLER: C.A.
DATE SAMPLED: January 13, 1998
DATE RECEIVED: January 13, 1998

PROJECT CODE: HNEW1976
ANALYSIS DATE: January 21, 1998
STATION: MW HA2 (2'-3')
REF.#: 115,483
TIME SAMPLED: 10:15

<u>Parameter</u>	<u>Detection Limit (ug/kg)</u>	<u>Concentration As Received (ug/kg)</u>
Benzene	10	ND ¹
Chlorobenzene	10	ND
1,2-Dichlorobenzene	10	ND
1,3-Dichlorobenzene	10	ND
1,4-Dichlorobenzene	10	ND
Ethylbenzene	10	ND
Toluene	10	ND
Xylene	20	ND
MTBE	20	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

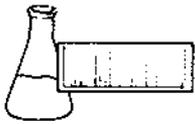
ANALYTICAL SURROGATE RECOVERY:

Dibromofluoromethane: 82.%
Toluene-d8: 98.%
4-Bromofluorobenzene: 97.%

PERCENT SOLIDS: 93.%

NOTES:

1 None detected



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LABORATORY REPORT

EPA METHOD 602 COMPOUNDS BY EPA METHOD 8260

CLIENT: Heindel and Noyes
PROJECT NAME: Earth Waste/Elnicki/97254 T0
REPORT DATE: January 26, 1998
SAMPLER: C.A.
DATE SAMPLED: January 13, 1998
DATE RECEIVED: January 13, 1998

PROJECT CODE: HNEW1976
ANALYSIS DATE: January 22, 1998
STATION: MW HA2 (9.7'-10')
REF.#: 115,484
TIME SAMPLED: 10:50

<u>Parameter</u>	<u>Detection Limit (ug/kg)</u>	<u>Concentration As Received (ug/kg)</u>
Benzene	10	ND ¹
Chlorobenzene	10	ND
1,2-Dichlorobenzene	10	ND
1,3-Dichlorobenzene	10	ND
1,4-Dichlorobenzene	10	ND
Ethylbenzene	10	ND
Toluene	10	ND
Xylene	20	ND
MTBE	20	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

ANALYTICAL SURROGATE RECOVERY:

Dibromofluoromethane: 85.%
Toluene-d8: 100.%
4-Bromofluorobenzene: 96.%

PERCENT SOLIDS: 80.%

NOTES:

1 None detected



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LABORATORY REPORT

EPA METHOD 602 COMPOUNDS BY EPA METHOD 8260

CLIENT: Heindel and Noyes
PROJECT NAME: Earth Waste/Elnicki/97254 T0
REPORT DATE: January 26, 1998
SAMPLER: C.A.
DATE SAMPLED: January 13, 1998
DATE RECEIVED: January 13, 1998

PROJECT CODE: HNEW1976
ANALYSIS DATE: January 22, 1998
STATION: MW HA3 (2'-3')
REF.#: 115,485
TIME SAMPLED: 11:45

<u>Parameter</u>	<u>Detection Limit (ug/kg)</u>	<u>Concentration As Received (ug/kg)</u>
Benzene	10	ND ¹
Chlorobenzene	10	ND
1,2-Dichlorobenzene	10	ND
1,3-Dichlorobenzene	10	ND
1,4-Dichlorobenzene	10	ND
Ethylbenzene	10	ND
Toluene	10	69.5
Xylene	20	ND
MTBE	20	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 4

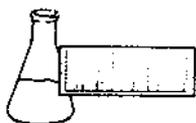
ANALYTICAL SURROGATE RECOVERY:

Dibromofluoromethane: 81.%
Toluene-d8: 98.%
4-Bromofluorobenzene: 94.%

PERCENT SOLIDS: 81.%

NOTES:

1 None detected



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LABORATORY REPORT

EPA METHOD 602 COMPOUNDS BY EPA METHOD 8260

CLIENT: Heindel and Noyes
PROJECT NAME: Earth Waste/Elnicki/97254 T0
REPORT DATE: January 26, 1998
SAMPLER: C.A.
DATE SAMPLED: January 13, 1998
DATE RECEIVED: January 13, 1998

PROJECT CODE: HNEW1976
ANALYSIS DATE: January 22, 1998
STATION: MW HA3 (7'-8')
REF.#: 115,486
TIME SAMPLED: 12:00

<u>Parameter</u>	<u>Detection Limit (ug/kg)</u>	<u>Concentration As Received (ug/kg)</u>
Benzene	10	ND ¹
Chlorobenzene	10	ND
1,2-Dichlorobenzene	10	ND
1,3-Dichlorobenzene	10	ND
1,4-Dichlorobenzene	10	ND
Ethylbenzene	10	ND
Toluene	10	ND
Xylene	20	ND
MTBE	20	ND

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

ANALYTICAL SURROGATE RECOVERY:

Dibromofluoromethane: 80.%
Toluene-d8: 97.%
4-Bromofluorobenzene: 95.%

PERCENT SOLIDS: 80.%

NOTES:

1 None detected

CHAIN-OF-CUSTODY RECORD

23569

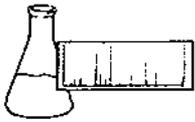
Project Name: <u>Earth Waste/Electric</u> Site Location: <u>Colchester, VT</u>	Reporting Address: <u>H1V</u>	Billing Address: <u>97251</u> <u>0</u>
Endyne Project Number: <u>HNE651996</u>	Company: <u>H1V</u> Contact Name/Phone #: <u>SL 658820</u>	Sampler Name: <u>CA</u> Phone #: <u>6590820</u>

Lab #	Sample Location	Matrix	G R A B	C O M P	Date/Time <u>1-13-99</u>	Sample Containers		Field Results/Remarks	Analysis Required	Sample Preservation	Rush
						No.	Type/Size				
<u>115,483</u>	<u>mw HA 2 (2-3')</u>	<u>Soil</u>	<u>✓</u>		<u>10¹⁵</u>	<u>2</u>	<u>40mL</u>		<u>602</u>	<u>4°C</u>	
<u>115,484</u>	<u>mw HA 2 (9.7-10')</u>	↓	↓		<u>10⁵⁰</u>	↓	↓		↓	↓	
<u>115,485</u>	<u>mw HA 3 (2-3')</u>	↓	↓		<u>12¹⁵ 9⁴⁵</u>	↓	↓		↓	↓	
<u>115,486</u>	<u>mw HA 3 (7-8')</u>	↓	↓		<u>12⁴⁰</u>	↓	↓		↓	↓	

Relinquished by: Signature <u>[Signature]</u>	Received by: Signature <u>[Signature]</u>	Date/Time <u>1/13/98 4:30</u>
Relinquished by: Signature <u>[Signature]</u>	Received by: Signature	Date/Time

 New York State Project: Yes No Requested Analyses

1	pH	6	TKN	11	Total Solids	16	Metals (Specify)	21	EPA 624	26	EPA 8270 B/N or Acid
2	Chloride	7	Total P	12	TSS	17	Coliform (Specify)	22	EPA 625 B/N or A	27	EPA 8010/8020
3	Ammonia N	8	Total Diss. P	13	TDS	18	COD	23	EPA 418.1	28	EPA 8080 Pest/PCB
4	Nitrite N	9	BOD ₅	14	Turbidity	19	BTEX	24	EPA 608 Pesu/PCB		
5	Nitrate N	10	Alkalinity	15	Conductivity	20	EPA 601/602	25	EPA 8240		
29	TCLP (Specify: volatiles, semi-volatiles, metals, pesticides, herbicides)										
30	Other (Specify):										



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REPORT OF LABORATORY ANALYSIS

CLIENT: Heindel and Noyes
PROJECT NAME: Earth Waste Systems
REPORT DATE: January 23, 1998
DATE SAMPLED: January 21, 1998

PROJECT CODE: HNEW1082
REF.#: 115,792 - 115,793

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. Chain of custody indicated sample preservation with HCl.

All samples were prepared and analyzed by requirements outlined in the referenced method and within the specified holding times. All instrumentation was calibrated with the appropriate frequency and verified by the requirements outlined in the referenced method. Blank contamination was not observed at levels affecting the analytical results.

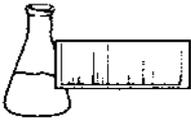
Analytical method precision and accuracy was monitored by laboratory control standards which included matrix spike, duplicate and quality control analyses. These standards were determined to be within established laboratory method acceptance limits.

Individual sample performance was monitored by the addition of surrogate analytes to each sample. All surrogate recovery data was determined to be within laboratory QA/QC guidelines unless otherwise noted.

Reviewed by,

Harry B. Locker, Ph.D.
Laboratory Director

enclosures



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(802) 879-4333
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EPA METHOD 602--PURGEABLE AROMATICS

CLIENT: Heindel and Noyes

DATE RECEIVED: January 21, 1998

PROJECT NAME: Earth Waste Systems

REPORT DATE: January 23, 1998

CLIENT PROJ. #: 97254

PROJECT CODE: HNEW1082

Ref. #:	115,792	115,793			
Site:	Trip Blank	MW HA2			
Date Sampled:	1/21/98	1/21/98			
Time Sampled:	10:00	11:20			
Sampler:	C.A.	C.A.			
Date Analyzed:	1/23/98	1/23/98			
UIP Count:	0	0			
Dil. Factor (%):	100	100			
Surr % Rec. (%):	100	106			
Parameter	Conc. (ug/L)	Conc. (ug/L)			
Benzene	<1	<1			
Chlorobenzene	<1	<1			
1,2-Dichlorobenzene	<1	<1			
1,3-Dichlorobenzene	<1	<1			
1,4-Dichlorobenzene	<1	<1			
Ethylbenzene	<1	<1			
Toluene	<1	<1			
Xylenes	<1	<1			
MTBE	<10	<10			

Note: UIP = Unidentified Peaks TBQ = Trace Below Quantitation NI = Not Indicated

CHAIN-OF-CUSTODY RECORD

25744

Project Name: <i>Earth Waste Systems</i> Site Location: <i>Colechester, VT</i>	Reporting Address: <i>H+N</i>	Billing Address: <i>H+N</i> # 95778 <i>97254</i>
Endyne Project Number: <i>HNEW1082</i>	Company: <i>H+N</i> Contact Name/Phone #: <i>SC 6580820</i>	Sampler Name: <i>CA</i> Phone #: <i>6580820</i>

Lab #	Sample Location	Matrix	G R A B	C O M P	Date/Time	Sample Containers		Field Results/Remarks	Analysis Required	Sample Preservation	Rush
						No.	Type/Size				
<i>11S, 792</i>	<i>Trip Blank</i>	<i>H₂O</i>	<input checked="" type="checkbox"/>		<i>1-21-98</i> <i>10:00</i>	<i>2</i>	<i>40ML</i>		<i>602</i>	<i>HCL</i>	
<i>11S, 793</i>	<i>MW HA2</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<i>11:20</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Relinquished by: Signature <i>Chui Aldrich</i>	Received by: Signature <i>[Signature]</i>	Date/Time <i>1/21/98 11:45</i>
Relinquished by: Signature	Received by: Signature	Date/Time

 New York State Project: Yes ___ No
Requested Analyses

1	pH	6	TKN	11	Total Solids	16	Metals (Specify)	21	EPA 624	26	EPA 8270 B/N or Acid
2	Chloride	7	Total P	12	TSS	17	Coliform (Specify)	22	EPA 625 B/N or A	27	EPA 8010/8020
3	Ammonia N	8	Total Diss. P	13	TDS	18	COD	23	EPA 418.1	28	EPA 8080 Pest/PCB
4	Nitrite N	9	BOD ₅	14	Turbidity	19	BTEX	24	EPA 608 Pest/PCB		
5	Nitrate N	10	Alkalinity	15	Conductivity	20	EPA 601/602	25	EPA 8240		
29	TCLP (Specify: volatiles, semi-volatiles, metals, pesticides, herbicides)										
30	Other (Specify):										