



July 26, 1996

JUL 29 10 59 AM '96

WASTE MANAGEMENT
DIVISION

*Sample
Below Area
5/26/96*

Mr. Don Robisky
Department of
Environmental Conservation
103 South Main Street
Waterbury, Vermont 05676

RE: Erika Lust Residence (former guest house) - Underground Stor
Removal and Closure Sampling Results

Dear Mr. Robisky:

On May 30 1996, Lincoln Applied Geology Inc. (LAG) submitted an Underground Storage Tank (UST) Removal and Closure form for the Erika Lust residence (the former guest residence of Vallemar Farm) in Lincoln, Vermont. This report indicated that a 1,000 gallon fuel oil UST was removed and that a limited amount of subsurface contamination was identified. Two monitoring wells were installed, one in the UST excavation and one approximately 20 feet downgradient. We sampled the well within the UST pit on May 31, 1996 along with the water supply.

The downgradient test pit well was not sampled as no water was contained within it. The results of the water sampling are enclosed as **Appendix A** and indicate that very minimal levels of petroleum related contaminants were identified in the UST monitoring well (test pit upper) with a total BTEX concentration of 15.7 ppb. None of the concentrations of the compounds identified are greater than the Maximum Contaminant Levels (MCLs) or Preventative Action limits of the EPA or State of Vermont. No contaminants above the detection limits were found in either of the 2 samples collected from the water supply well. In light of these results we recommend that no further site investigation be performed and that the monitoring wells be removed and properly abandoned.

If you have any questions or concerns with regard to this matter, please do not hesitate to call me at 453-4384.

Sincerely,

Steven LaRosa
Hydrogeologist

SL/clk

Enclosures

cc: Erika Lust
Lee Cassidy

GREEN MOUNTAIN LABORATORIES, INC.

RR 3, BOX 5210
Montpelier, Vermont 05602

Phone (802) 223 - 1468

Fax (802) 223 - 8688

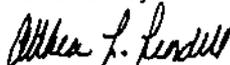
LABORATORY RESULTS

CLIENT NAME:	Lincoln Applied Geology	REFERENCE NO.:	0838
ADDRESS:	RD 1 Box 710 Bristol, VT 05443	PROJECT NO.:	NA
SAMPLE LOCATION:	Erika Lust Guest House	DATE OF SAMPLE:	05/31/96
SAMPLER:	James Robideau	DATE OF RECEIPT:	05/31/96
ATTENTION:	Steve Revell	DATE OF ANALYSIS:	06/08-06/14/96
		DATE OF REPORT:	06/14/96

Pertaining to the analyses of specimens submitted under the accompanying chain of custody form, please note the following:

- Water samples submitted for VOC analysis were preserved with HCl. The trip blank was prepared by the client from reagent water supplied by the laboratory.
- Specimens were processed and examined according to the procedures outlined in the specified method.
- Holding times were honored.
- Instruments were appropriately tuned and calibrations were checked with the frequencies required in the specified method.
- Blank contamination was not observed at levels interfering with the analytical results.
- Continuing Calibration standards were monitored at intervals indicated in the specified method. The resulting analytical precision and accuracy were determined to be within method QA/QC acceptance limits.
- The efficiency of analyte recovery for individual samples was monitored by the addition of surrogate analyte to all samples, standards, and blanks. Surrogate recoveries were found to be within laboratory QA/QC acceptance limits, unless noted otherwise.

Reviewed by:



Althea L. Lindell
Director, Chemical Services

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 0838
STATION: TEST PIT UPPER
ANALYSIS DATE: 06/14/96
DATE SAMPLED: 05/31/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	1.1
Ethylbenzene	1	1.6
Xylenes	3	13
MTBE	5	ND

Surrogate % Recovery: 105 %

ND = Not Detected

BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 0838
STATION: SUPPLY WELL
ANALYSIS DATE: 06/12/96
DATE SAMPLED: 05/31/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 77.9 %

ND = Not Detected

BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. #: 0838
STATION: SUPPLY WELL AT HOLDEN TANK
ANALYSIS DATE: 06/12/96
DATE SAMPLED: 05/31/96
SAMPLE TYPE: WATER

PARAMETER	PQL ($\mu\text{g/L}$)	Conc. ($\mu\text{g/L}$)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 78.7 %

ND = Not Detected

BPQL = Below Practical Quantitation Limits

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LABORATORY RESULTS

GC/MS METHOD - BTEX (BENZENE, TOLUENE, ETHYLBENZENE, XYLENES) + MTBE

GML REF. # : 0838
STATION: Trip
ANALYSIS DATE: 06/08/96
DATE SAMPLED: 05/31/96
SAMPLE TYPE: WATER

PARAMETER	PQL (µg/L)	Conc. (µg/L)
Benzene	1	ND
Toluene	1	ND
Ethylbenzene	1	ND
Xylenes	3	ND
MTBE	5	ND

Surrogate % Recovery: 86.4 %

ND = Not Detected

BPQL = Below Practical Quantitation Limits

Green Mountain Laboratories, Inc.

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ANALYSIS REQUESTED

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 GML #

CLIENT NAME Lincoln Applied Geology
 ADDRESS Rd 1 Box 710 Bristol, VT 05447
 PROJECT NAME ERIK A LUST GUEST HOUSE
 PROJECT NUMBER
 PROJECT MANAGER Steve Revell
 SAMPLER JAMES ROBIERL

#838

Sample Location	Date	Time	# of cont.	pres ervd	Sample Type														REMARKS:
SUPPLY well	5/31/96	8:35 AM	2	HCL	40ml	✓													
SUPPLY well AT Holden Farm	5/31/96	8:40 AM	2	HCL	40ml	✓													
TEST PIT upper	5/31/96	8:45 AM	2	HCL	40ml	✓													
TRIP	5/31/96	8:50 AM	2	HCL	40ml	✓													

BTEX - MTBE

CHAIN OF CUSTODY RECORD

1) Relinquished by:	<u>James Robierl</u>	Received by:	<u>Ken Gilbert</u>	Date/Time	<u>5/30/10:00</u>
2) Relinquished by:		Received by:	<u>R. [Signature]</u>	Date/Time	<u>5/31/96 11:02</u>
3) Relinquished by:		Received by:		Date/Time	