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November 7, 1994

Bill and Deborah Baron
Baron's Lumber
80 Allen Road
Grand Isle, Vermont 05458

RE: Report on the Investigation of Subsurface Petroleum Contamination at
Baron's Lumber, Grand Isle, Vermont (VTDEC Site #93-1548)

Dear Mr. and Mrs. Baron:

Enclosed, please find the report on the Investigation of Subsurface Petroleum Contamination at the above referenced site.

Griffin is pleased to have conducted this work for you. If you have any questions regarding the report or if we can be of assistance to you, please call.

Sincerely,

Laurie T. Reed,
Project Geologist

c. Richard Spiese, VTDEC

**REPORT ON THE INVESTIGATION
OF SUBSURFACE
PETROLEUM CONTAMINATION**

AT

**BARON'S LUMBER AND HARDWARE
80 ALLEN ROAD
GRAND ISLE, VERMONT**

VTDEC SITE #93-1548

OCTOBER 1994

PREPARED FOR:

**WILLIAM AND DEBORAH BARON
80 ALLEN ROAD
GRAND ISLE, VT 05458**

PREPARED BY:

**Griffin International Inc.
PO Box 943 / 19 Commerce Street
Williston, VT 05495
(802) 865-4288**



Griffin Project #7944552

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I. INTRODUCTION

This report describes the investigation of residual subsurface petroleum contamination at Baron's Lumber and Hardware located at 80 Allen Road in Grand Isle, Vermont. This investigation was conducted by Griffin International Inc. (Griffin) for William and Deborah Baron of Grand Isle, Vermont. This investigation was initiated by Baron's Lumber after the presence of residual subsurface petroleum at the site was identified during the removal of three underground storage tanks (USTs) on December 21, 1993. One UST was a 2,000 gallon capacity gasoline UST owned by Baron's Lumber; the other two USTs were a 2,000 gallon capacity gasoline UST and a 4,000 gallon capacity gasoline UST which were both abandoned by the former owner of the property (St. Albans Cooperative Creamery). All contaminated soil in the vicinity of the UST owned by Baron's Lumber was removed and stockpiled during the tank closure. A total of approximately 65 cubic yards of soil was stockpiled.

This investigation was requested by the State of Vermont Department of Environmental Conservation (VTDEC) in a letter to William Baron from Chuck Schwer, VTDEC, dated January 12, 1994. Griffin prepared a Work Plan detailing the work performed in this assessment which was delivered to VTDEC on July 26, 1994.

II. SITE DESCRIPTION

The site is located in a relatively isolated area approximately 600 feet south of Allen Road in Grand Isle, Vermont (See location map in Appendix A.). The site is at an approximate elevation of 200 feet above sea level. The site and surrounding area are gently sloping towards the east. The surface at the site drains to the Pearl Swamp located east and south of the site. A recreation field is located approximately 300 feet north-northwest of the site. A garage, owned by Citizens Utilities is located approximately 300 feet northwest of the site. South, east, and west of the site is vacant land which is mostly wooded. An old railroad grade, trending north-south, lies to the east of Baron's Lumber. Water to the site and surrounding area is supplied by a municipal water system.

III. INVESTIGATIVE PROCEDURES

In order to better define the extent of subsurface petroleum contamination at the site, Griffin installed three monitoring wells. Well MW1 was placed south of the former USTs at the site to determine the extent of soil contamination and impact to groundwater in this area. MW2 was placed near the location of the UST formerly used by Baron's Lumber. MW3 was installed in the area near the two USTs left by St. Albans Cooperative Creamery. The locations of the wells are indicated on the Site Map in Appendix A. Depths to groundwater were measured in all three on-site wells, and then water samples were collected from the monitoring wells for laboratory analysis. Soil samples collected from boreholes were screened for volatile organic compounds (VOCs) with a photo ionization detector (PID).

A. Monitoring Well Installation

The monitoring wells (MW1 MW2, and MW3) were installed on September 27, 1994 by Green Mountain Boring of Barre, VT under the direct supervision of Griffin. The wells were installed using a truck mounted 4 1/4" hollow stem auger. The wells are constructed of two inch diameter, 0.010" slot, PVC well screen and attached solid PVC riser. The annulus between the borehole wall and the screened section of each well is filled with sand pack to filter fine sediments from the groundwater entering the well. Approximately one foot above the screened section of each well, the annulus between the borehole wall and the riser is filled with a bentonite clay seal to prevent surface water from entering the borehole. Each well is protected at the surface by a flush mounted steel well head protective casing and a bolt down cover. Each well head protection casing is set in cement. Well construction details are listed on the well logs in Appendix B.

B. Soil Boring and Screening

Undisturbed soil samples were collected at five foot intervals from the borings using a split spoon sampler. Samples were screened for VOCs using a PID and logged by Griffin. Subsurface materials encountered in the borings consisted mostly of cinder fill underlain by silty clay and subsequently by glacial till. No VOC concentrations were detected in the soil samples collected from MW1. A peak concentration of 0.3 ppm was detected at 2.5 to 3.5 feet in MW2. Peak VOC concentrations detected in MW 3 were 130 ppm at approximately 3.0 feet below grade where a thin petroleum saturated layer was intercepted. VOC concentrations ranged from 1.6 to 4.5 ppm in soil samples collected from below this layer. Detailed lithologic descriptions and VOC concentrations are listed on the well logs in Appendix B.

On September 27, 1994, Griffin inspected and conducted screening of the soil stockpile for volatile organic compounds (VOCs) using a photo ionization detector (PID). The soil stockpile did not exhibit visual or olfactory signs of petroleum contamination. Fifteen soil samples were collected from the stockpile with locations distributed to yield samples statistically representative of the stockpile. Each sample was placed and sealed in a sample bag. The head space of each bag was then screened for VOCs using a PID. An HNU Model PI-101 PID was used for screening after calibration with isobutylene (benzene reference). The response of the PID ranged from ND to 0.4 parts per million (ppm). The mean concentration level for the stockpile is calculated to be less than 0.2 ppm.

Vermont guidelines for petroleum contaminated soil allow spreading of soils at the site of their origin if VOC concentrations in the stockpile as indicated with a PID are below 1.0 ppm. The results of the soil screening were forwarded to Richard Spiese, VTDEC, on September 29, 1994. Since the average VOC concentration in the soil stockpile indicated by the PID was less than 0.2 ppm and the soil stockpile does not exhibit any other signs of petroleum contamination, Griffin recommended VTDEC allow Baron's Lumber to spread the soil on site. Spreading of the soil stockpile at Baron's Lumber was approved by Jason Finegold, VTDEC, in a phone conversation with Laurie Reed, Griffin on October 4, 1994.

C. Water Table Measurements And Groundwater Flow

The water table elevation in each monitoring well was measured on October 5, 1994. Water table elevations are plotted on the Groundwater Contour Map in Appendix A. The map indicates that groundwater is flowing towards the east. The average hydraulic gradient in the vicinity of the monitoring wells is calculated to be approximately 1.0 percent.

No free product was detected in any of the monitoring wells. All groundwater level data are recorded on the Liquid Level Table in Appendix C.

D. Groundwater Sampling and Analysis

On October 5, 1994, Griffin collected groundwater samples from the three monitoring wells. Laboratory results are summarized below in Table 1. Laboratory report forms are presented in Appendix D. All samples collected were analyzed according to EPA Method 602 which tests for the presents of VOCs including the gasoline compounds benzene, toluene, ethyl benzene, xylenes, and methyl tertiary butyl ether (MTBE) which is an octane boosting additive. All samples were collected according to Griffin's groundwater sampling protocol. Duplicate, trip blank, and equipment blank samples collected during the sampling indicate that adequate quality assurance/quality control was maintained during sample collection and analysis.

No petroleum compounds were detected by analysis of groundwater samples collected from MW1 or MW2

Analysis of the groundwater sample collected from MW3, located directly down gradient and adjacent to the area of the two USTs and pump formerly owned by the St. Albans Cooperative Creamery, indicates the presence of ethyl benzene, toluene, and xylenes in concentration well below Vermont Groundwater Enforcement Standards (VGES).

IV. RECEPTOR SURVEY AND RISK ASSESSMENT

Griffin conducted a visual survey of the site to identify local potential receptors of any subsurface petroleum contaminants. The most likely receptor in the vicinity of this site appears to be the Pearl Swamp located approximately 500 feet down-gradient of the former area of the USTs. The distance from the source area and the relatively low source strength makes impact to the swamp unlikely.

The Baron's Lumber building is of concrete slab construction. The risk of VOC vapor impact to the building is not significant. No other inhabited buildings are located in the relative area. No buildings are located down-gradient from the area of the former USTs.

Municipal water serves the area including the subject property. The water source is located more than several miles from the subject property and is therefore not at risk of impact from subsurface petroleum contamination at the subject property. No supply wells were identified in the vicinity of the site.

TABLE 1.

**Groundwater Quality Summary
Baron's Lumber and Hardware
Grand Isle, Vermont**

Monitoring Date: 10/5/94

All Values Reported in ug/L (ppb)

PARAMETER	Date of Sample Collection			V.G.E.S.
	MW1	MW2	MW3	
Benzene	ND > 1	ND > 1	ND > 10	5.0*
Chlorobenzene	ND > 1	ND > 1	ND > 10	100**
1,2-DCB	ND > 1	ND > 1	ND > 10	600*
1,3-DCB	ND > 1	ND > 1	ND > 10	600**
1,4-DCB	ND > 1	ND > 1	ND > 10	75*
Ethylbenzene	ND > 1	ND > 1	211	700**
Toluene	ND > 1	ND > 1	29.4	1,000**
Xylenes	ND > 1	ND > 1	603.	10,000**
Total BTEX			843.	-
MTBE	ND > 10	ND > 10	ND > 100	40**
BTEX + MTBE			843.	-

V.G.E.S. - Vermont Groundwater Enforcement Standards

* - Maximum Contaminant Level

ND > - None Detected Above Stated Limits

** - Health Advisory Level

TBQ - Trace, below quantitation limits

ANALYSIS BY EPA METHOD 602

V. CONCLUSIONS

On the basis of this investigation, Griffin has concluded the following:

- 1) There has been a slight release(s) of petroleum to the subsurface at this site in the past. The amounts and duration of the release(s) are unknown. No significant soil contamination was evident near the location of the UST formerly used by Baron's Lumber. A thin petroleum saturated layer was identified in the fill near the location of the USTs formerly owned by St. Albans Cooperative Creamery.
- 2) Soils at this site consist of cinder fill underlain by silty clay and subsequently by glacial till. Groundwater apparently flows east at a gradient of 1.0 percent.
- 3) The 65 cubic yard soil stockpile located on-site has been successfully remediated and has been approved for spreading by VTDEC.
- 4) Groundwater in the area of the former St. Albans Creamery USTs has been impacted by the petroleum compounds ethyl benzene, toluene, and xylenes. However, these compounds were indicated in concentration well below the Vermont Groundwater Enforcement Standards.
- 5) No potential receptors were found to be impacted by petroleum contamination at the site. No potential receptors appear to be at risk from impact. No significant risk to human health was identified.
- 6) Since no source remains, the low contaminant concentrations should gradually be reduced by the natural processes of dilution, dispersion, and biodegradation.

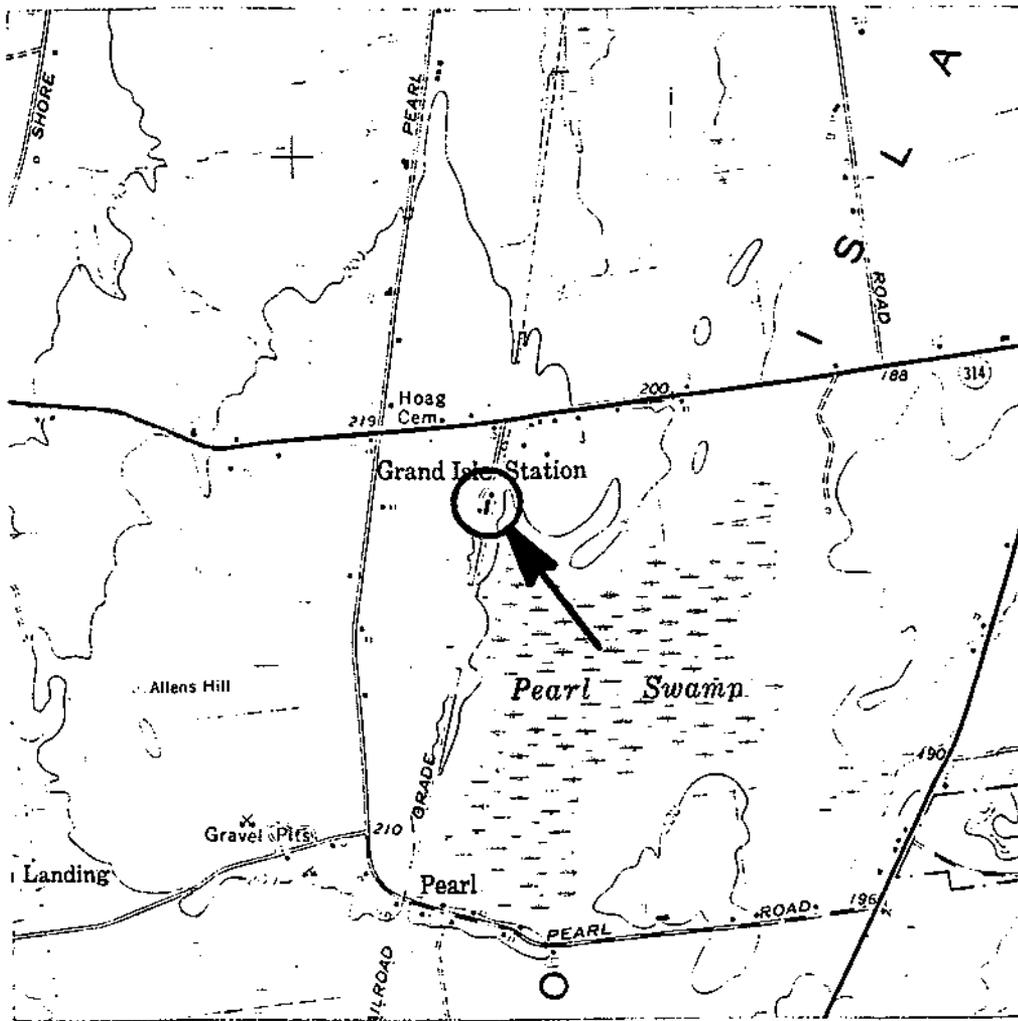
VI. RECOMMENDATIONS

On the basis of the above conclusions, Griffin recommends the following:

- 1) Since groundwater at this site does not appear to be impacted by petroleum compounds in concentrations above VGES and the remediation goals for the soil stockpile have been met, Griffin recommends that VTDEC consider "Sites Management Activity Completed" at Baron's Lumber and that the site be removed from the Vermont Hazardous Waste Sites List.

APPENDIX A

SITE LOCATION MAP
SITE MAP
GROUNDWATER CONTOUR MAP

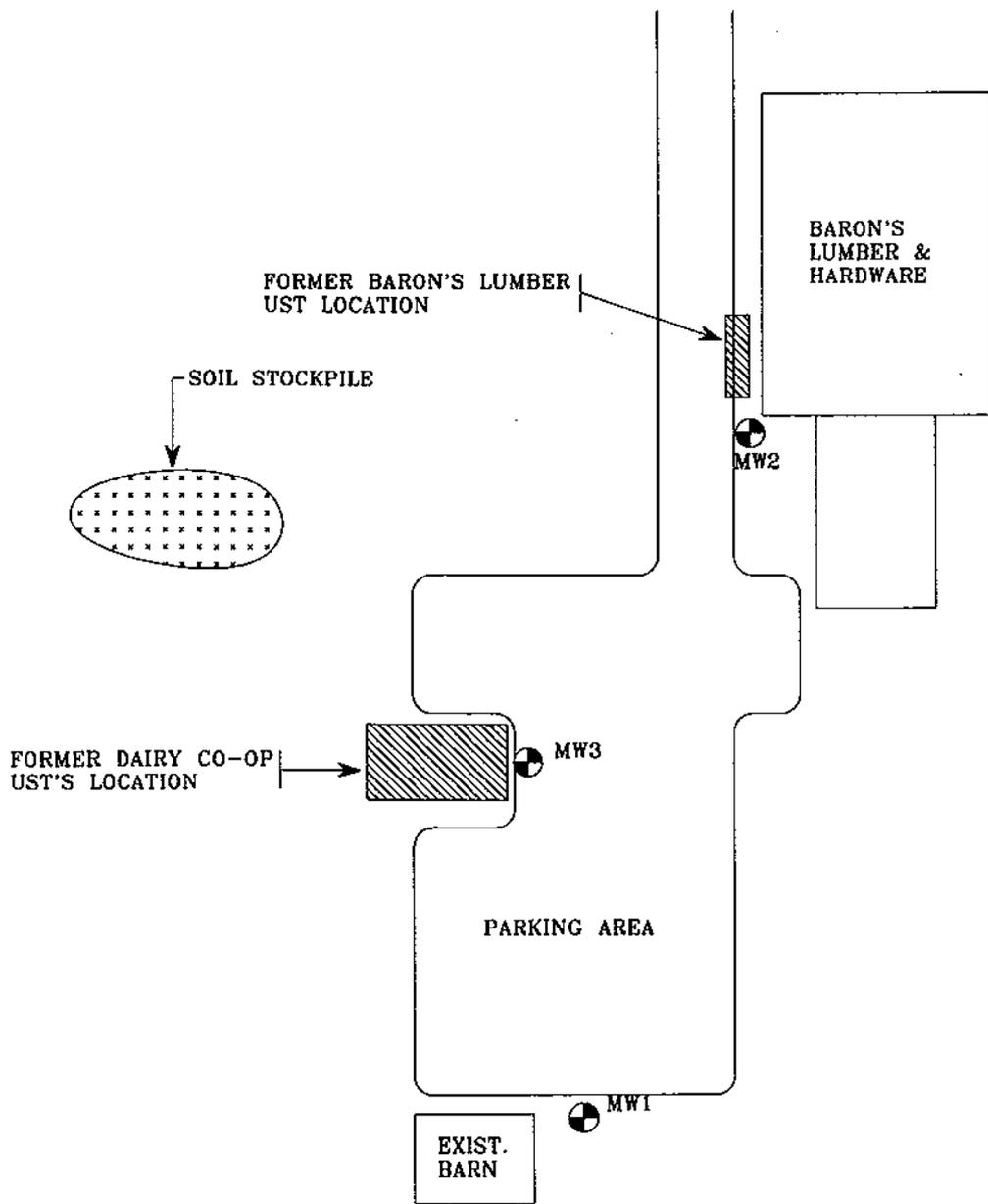


JOB #: 7944552
 SOURCE: USGS- SOUTH HERD, VERMONT QUADRANGLE



BARON'S LUMBER AND HARDWARE
 80 ALLEN ROAD, GRAND ISLE, VERMONT
 SITE LOCATION MAP

DATE: 10/5/94	DWG.#:1	SCALE: 1:24000	DRN: SB	APP:LR
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LEGEND

MW2 MONITORING WELL

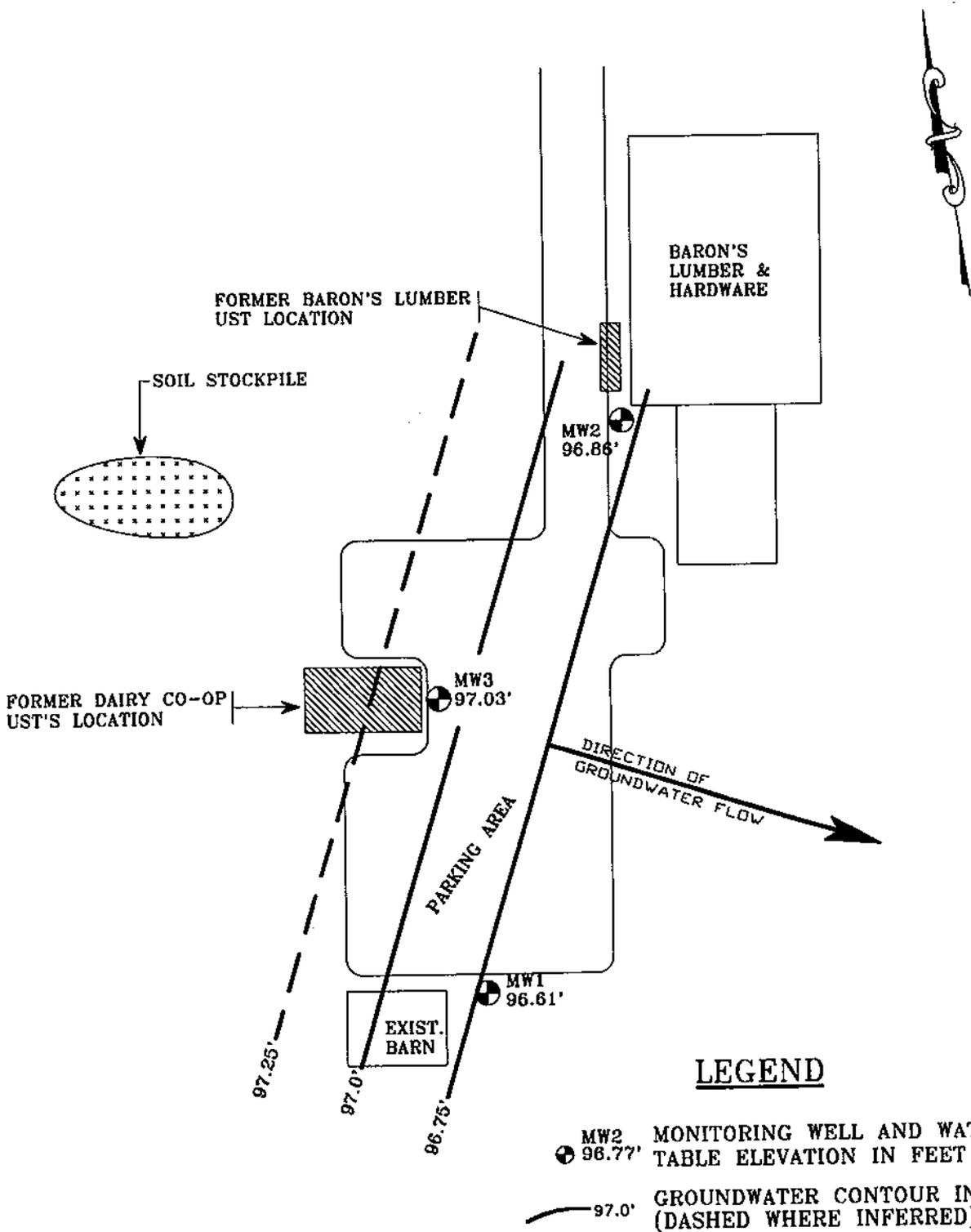
JOB #: 7944552



BARON'S LUMBER AND HARDWARE
 80 ALLEN ROAD, GRAND ISLE, VERMONT

SITE MAP

DATE: 10/5/94	DWG.#: 2	SCALE: 1"=40'	DRN.: SB	APP.:LR
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JOB #: 7944552
 MEASUREMENT DATE: 10/5/94



BARON'S LUMBER AND HARDWARE

80 ALLEN ROAD, GRAND ISLE, VERMONT

GROUNDWATER CONTOUR MAP

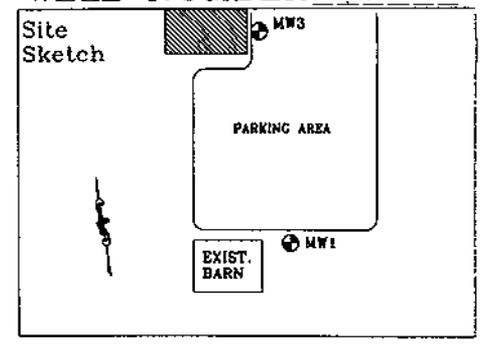
DATE: 10/5/94	DWG.#: 3	SCALE: 1"=40'	DRN: SB	APP.:LR
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APPENDIX B

DRILLING LOGS

PROJECT BARON'S LUMBER AND HARDWARE
 LOCATION 80 ALLEN ROAD, GRAND ISLE, VERMONT
 DATE DRILLED 9/27/94 TOTAL DEPTH OF HOLE 12'
 DIAMETER _____
 SCREEN DIA. 2" LENGTH 7.0' SLOT SIZE 0.010"
 CASING DIA. 2" LENGTH 2.0' TYPE sch 40 pvc
 DRILLING CO. GMB DRILLING METHOD HSA
 DRILLER RON LOG BY L. REED

WELL NUMBER MW1

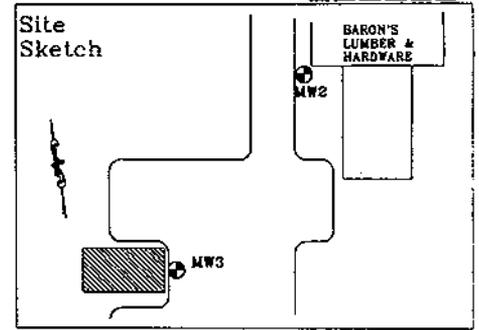


GRIFFIN INTERNATIONAL, INC

DEPTH IN FEET	WELL CONSTRUCTION	NOTES	BLOWS PER 6" OF SPOON & PID READINGS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)	DEPTH IN FEET
0	ROAD BOX	LOCKING WELL CAP			0
0-1	CONCRETE				1
1-2	BENTONITE		0'-3'	Dark gray FILL with cinders.	2
2-3	WELL RISER				3
3				3.5' WATER TABLE	3
3-5	SAND PACK				5
5-7	WELL SCREEN		5'-7'- 5/7/11/9 0 ppm	Medium brown silty CLAY w/subangular pebbles, damp.	7
7-9	BOTTOM CAP				9
9-10					10
10-12			10'-12'- 33/48/75/100 0 ppm	Dark gray TILL and laminated silty CLAY w/angular to sub-angular pebbles, damp.	12
12	UNDISTURBED NATIVE SOIL			BASE OF WELL AT 9.5' END OF EXPLORATION AT 12'	12
13					13
14					14
15					15
16					16
17					17
18					18
19					19
20					20
21					21
22					22
23					23
24					24
25					25

PROJECT BARON'S LUMBER AND HARDWARE
 LOCATION 80 ALLEN ROAD, GRAND ISLE, VERMONT
 DATE DRILLED 9/27/94 TOTAL DEPTH OF HOLE 12'
 DIAMETER _____
 SCREEN DIA. 2" LENGTH 7.0' SLOT SIZE 0.010"
 CASING DIA. 2" LENGTH 2.0' TYPE sch 40 pvc
 DRILLING CO. GMB DRILLING METHOD HSA
 DRILLER RON LOG BY L. REED

WELL NUMBER MW2

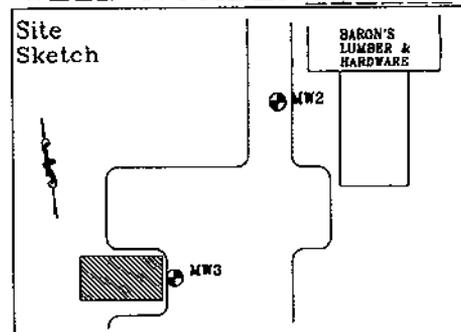


GRIFFIN INTERNATIONAL, INC

DEPTH IN FEET	WELL CONSTRUCTION	NOTES	BLOWS PER 6" OF SPOON & PID READINGS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)	DEPTH IN FEET
0	ROAD BOX LOCKING WELL CAP CONCRETE				0
1	BENTONITE		0'-2.5'	Sand and crushed stone FILL.	1
2	WELL RISER				2
3			2.5'-3.5' 0.3 ppm	Dark gray SILT and PEBBLES, damp. 3.5' WATER TABLE	3
4	SAND PACK				4
5	WELL SCREEN				5
6	BOTTOM CAP		5'-7'- 5/12/16/17 0.2 ppm	Medium brown and medium gray molted SILT and CLAY with sub-angular to sub-rounded pebbles.	6
7					7
8					8
9	UNDISTURBED NATIVE SOIL				9
10					10
11			10'-12'-33/48/75/100 0 ppm	Dark gray TILL w/subangular pebbles.	11
12				BASE OF WELL AT 9.5' END OF EXPLORATION AT 12'	12
13					13
14					14
15					15
16					16
17					17
18					18
19					19
20					20
21					21
22					22
23					23
24					24
25					25

PROJECT BARON'S LUMBER AND HARDWARE
LOCATION 80 ALLEN ROAD, GRAND ISLE, VERMONT
DATE DRILLED 9/27/94 **TOTAL DEPTH OF HOLE** 10'
DIAMETER _____
SCREEN DIA. 2" **LENGTH** 5.0' **SLOT SIZE** 0.010"
CASING DIA. 2" **LENGTH** 2.5' **TYPE** sch 40 pvc
DRILLING CO. GMB **DRILLING METHOD** HSA
DRILLER RON **LOG BY** L. REED

WELL NUMBER MW3



GRIFFIN INTERNATIONAL, INC

DEPTH IN FEET	WELL CONSTRUCTION	NOTES	BLOWS PER 6" OF SPOON & PID READINGS	DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)	DEPTH IN FEET	
0		ROAD BOX			0	
		LOCKING WELL CAP				
		CONCRETE			Pavement	
1		BENTONITE		0'-0.25'	Crushed stone	1
2				0.25'-0.5'		2
3		WELL RISER		0.5'-4.0'	Cinder FILL, saturated with petroleum.	3
4				130 ppm		4
5		SAND PACK				5
6		WELL SCREEN		5'-7'- 5/12/16/17	Medium brown silty CLAY, w/angular SAND and sub-angular pebbles.	6
7		BOTTOM CAP		1.6 ppm		7
8					8	
9			8'-10'-9/15/100	Damp medium brown and dark tan silty CLAY, w/sub-angular to sub-rounded pebbles.	9	
10			4.5 ppm		10	
11	UNDISTURBED NATIVE SOIL			BASE OF WELL AT 8.0'	11	
				END OF EXPLORATION AT 10.0'	12	
12					13	
13					14	
14					15	
15					16	
16					17	
17					18	
18					19	
19					20	
20					21	
21					22	
22					23	
23					24	
24					25	

APPENDIX C

WATER LEVEL DATA

**Liquid Level Monitoring Data
Baron's Lumber and Hardware
Grand Isle, Vermont**

Monitoring Date: 10/5/94

Well I.D.	Well Depth	Top of Casing Elevation	Depth To Product	Depth To Water	Corrected Water Table Elevation
MW-1	9.50	99.03	-	2.42	96.61
MW-2	9.50	100.00	-	3.14	96.86
MW-3	8.00	99.91	-	2.88	97.03

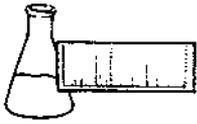
All Values Reported in feet

Elevations are based on Arbitrary Datum

NA - Not Available

APPENDIX D

LABORATORY RESULTS



ENDYNE, INC.

Laboratory Services

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

REPORT OF LABORATORY ANALYSIS

CLIENT: Griffin International
PROJECT NAME: Baron's Lumber
REPORT DATE: October 17, 1994
DATE SAMPLED: October 5, 1994

PROJECT CODE: GIBL1766
REF.#: 65,500 - 65,505

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. Chain of custody indicated samples were preserved 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



Laboratory Services

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

LABORATORY REPORT

EPA METHOD 602--PURGEABLE AROMATICS

CLIENT: Griffin International
PROJECT NAME: Baron's Lumber
REPORT DATE: October 17, 1994
DATE SAMPLED: October 5, 1994
DATE RECEIVED: October 5, 1994
DATE ANALYZED: October 13, 1994

PROJECT CODE: GIBL1766
REF.#: 65,500
STATION: MW-1
TIME SAMPLED: 11:05
SAMPLER: J. Bernhard

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Benzene	1	ND ¹
Chlorobenzene	1	ND
1,2-Dichlorobenzene	1	ND
1,3-Dichlorobenzene	1	ND
1,4-Dichlorobenzene	1	ND
Ethylbenzene	1	ND
Toluene	1	ND
Xylenes	1	ND
MTBE	10	ND

Bromobenzene Surrogate Recovery: 89%

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 None detected

**Laboratory Services**

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

LABORATORY REPORT**EPA METHOD 602--PURGEABLE AROMATICS**

CLIENT: Griffin International
PROJECT NAME: Baron's Lumber
REPORT DATE: October 17, 1994
DATE SAMPLED: October 5, 1994
DATE RECEIVED: October 5, 1994
DATE ANALYZED: October 13, 1994

PROJECT CODE: GIBL1766
REF.#: 65,501
STATION: MW-2
TIME SAMPLED: 11:45
SAMPLER: J. Bernhard

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Benzene	1	ND ¹
Chlorobenzene	1	ND
1,2-Dichlorobenzene	1	ND
1,3-Dichlorobenzene	1	ND
1,4-Dichlorobenzene	1	ND
Ethylbenzene	1	ND
Toluene	1	ND
Xylenes	1	ND
MTBE	10	ND

Bromobenzene Surrogate Recovery: 87%

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 None detected



Laboratory Services

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

LABORATORY REPORT

EPA METHOD 602--PURGEABLE AROMATICS

CLIENT: Griffin International
PROJECT NAME: Baron's Lumber
REPORT DATE: October 17, 1994
DATE SAMPLED: October 5, 1994
DATE RECEIVED: October 5, 1994
DATE ANALYZED: October 14, 1994

PROJECT CODE: GIBL1766
REF.#: 65,502
STATION: MW-3
TIME SAMPLED: 11:25
SAMPLER: J. Bernhard

<u>Parameter</u>	<u>Detection Limit (ug/L)¹</u>	<u>Concentration (ug/L)</u>
Benzene	10	ND ²
Chlorobenzene	10	ND
1,2-Dichlorobenzene	10	ND
1,3-Dichlorobenzene	10	ND
1,4-Dichlorobenzene	10	ND
Ethylbenzene	10	211.
Toluene	10	29.4
Xylenes	10	603.
MTBE	100	ND

Bromobenzene Surrogate Recovery: 112%

NUMBER OF UNIDENTIFIED PEAKS FOUND: >10

NOTES:

- 1 Detection limit raised due to high levels of contaminants. Sample run at 10% dilution.
- 2 None detected



Laboratory Services

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

LABORATORY REPORT

EPA METHOD 602--PURGEABLE AROMATICS

CLIENT: Griffin International
PROJECT NAME: Baron's Lumber
REPORT DATE: October 17, 1994
DATE SAMPLED: October 5, 1994
DATE RECEIVED: October 5, 1994
DATE ANALYZED: October 13, 1994

PROJECT CODE: GIBL1766
REF.#: 65,503
STATION: Trip Blank
TIME SAMPLED: 7:15
SAMPLER: J. Bernhard

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Benzene	1	ND ¹
Chlorobenzene	1	ND
1,2-Dichlorobenzene	1	ND
1,3-Dichlorobenzene	1	ND
1,4-Dichlorobenzene	1	ND
Ethylbenzene	1	ND
Toluene	1	ND
Xylenes	1	ND
MTBE	10	ND

Bromobenzene Surrogate Recovery: 80%

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 None detected



Laboratory Services

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

LABORATORY REPORT

EPA METHOD 602--PURGEABLE AROMATICS

CLIENT: Griffin International
PROJECT NAME: Baron's Lumber
REPORT DATE: October 17, 1994
DATE SAMPLED: October 5, 1994
DATE RECEIVED: October 5, 1994
DATE ANALYZED: October 13, 1994

PROJECT CODE: GIBL1766
REF.#: 65,504
STATION: Equipment Blank
TIME SAMPLED: 11:55
SAMPLER: J. Bernhard

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Benzene	1	ND ¹
Chlorobenzene	1	ND
1,2-Dichlorobenzene	1	ND
1,3-Dichlorobenzene	1	ND
1,4-Dichlorobenzene	1	ND
Ethylbenzene	1	ND
Toluene	1	ND
Xylenes	1	ND
MTBE	10	ND

Bromobenzene Surrogate Recovery: 85%

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 None detected

10/13/94



Laboratory Services

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

LABORATORY REPORT

EPA METHOD 602--PURGEABLE AROMATICS

CLIENT: Griffin International
PROJECT NAME: Baron's Lumber
REPORT DATE: October 17, 1994
DATE SAMPLED: October 5, 1994
DATE RECEIVED: October 5, 1994
DATE ANALYZED: October 13, 1994

PROJECT CODE: GIBL1766
REF.#: 65,505
STATION: Duplicate (MW-2)
TIME SAMPLED: 11:45
SAMPLER: J. Bernhard

<u>Parameter</u>	<u>Detection Limit (ug/L)</u>	<u>Concentration (ug/L)</u>
Benzene	1	ND ¹
Chlorobenzene	1	ND
1,2-Dichlorobenzene	1	ND
1,3-Dichlorobenzene	1	ND
1,4-Dichlorobenzene	1	ND
Ethylbenzene	1	ND
Toluene	1	ND
Xylenes	1	ND
MTBE	10	ND

Bromobenzene Surrogate Recovery: 86%

NUMBER OF UNIDENTIFIED PEAKS FOUND: 0

NOTES:

1 None detected

