PROJECT PHASE (check one)	SUBMITTAL TYPE (check one)
☐ Site Investigation	☐ Work Scope
☐ Corrective Action Feasibility Investigation	☒ **Technical Report**
☐ Corrective Action Plan	☐ PCF Reimbursement Request
☐ Corrective Action Summary Report	☐ General Correspondence
☒ **Operations & Monitoring Report**	

MAY 2013 WELL INSTALLATION AND GROUNDWATER SUMMARY REPORT
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

Prepared for:

Summit Distributing, LLC
240 Mechanic Street
Lebanon, New Hampshire 03766
Contact: Tom Frawley
Tel: (603) 448-8000
email: tomf@sumd.com

Prepared by:

GeoInsight, Inc.
186 Granite Street, 3rd Floor, Suite A
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August 16, 2013

GeoInsight Project 5599-002

File: 5599/CVR

GeoInsight®
Environmental Strategy & Engineering
Practical in Nature

August 16, 2013 GeoInsight Project 5599-002

Tim Cropley
Sites Management Section
1 National Life Drive - Davis 1
Montpelier, VT 05620-3704

RE: May 2013 Well Installation and Groundwater Summary Report
Londonderry Citgo/Londonderry Shopping Center – **SMS #1996-2015**
5700 Route 100
Londonderry, Vermont

Dear Mr. Cropley:

GeoInsight, Inc. (GeoInsight) prepared this report for Summit Distributing, LLC (Summit) to summarize the following activities completed at the Londonderry Citgo/Londonderry Shopping Center property located at 5700 Route 100 in Londonderry, Vermont: 1) decommissioning of air sparge wells SP-1 through SP-4; 2) installation of replacement monitoring wells MW-10R and MW-11R; and 3) a groundwater sampling event. A site locus map is presented as Figure 1 and a site plan is presented as Figure 2.

SPARGE WELL DECOMMISSIONING

On April 25, 2013, GeoInsight oversaw T&K Drilling, Inc. (T&K) of Fitzwilliam, New Hampshire decommission air sparge wells SP-1 through SP-4. The approximate locations of the former sparge wells are shown on a site plan in Attachment A. The wells were decommissioned by removing the roadboxes, cutting the polyvinyl chloride (PVC) well casings below grade, and filling the well casings with bentonite grout.

MONITORING WELL INSTALLATIONS

At the recommendation of GeoInsight, well MW-10R was installed to serve as a replacement well for MW-10, which had a severely damaged roadbox and several feet of silt accumulation in the well. At the request of the Vermont Department of Environmental Conservation (VTDEC) well MW-11R was installed to serve as a replacement well for MW-11, which had been previously decommissioned in June 2010. The former well location for MW-11 was selected because it was downgradient of the pump island and underground storage tanks (USTs) and elevated concentrations of volatile organic compounds (VOCs) were detected in this area in groundwater samples collected in 2012 at wells MW-8 and MW-10.

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T&K installed the two monitoring wells on April 25, 2013 using standard hollow-stem auger drilling methods. Well MW-10R was installed after removing the existing 1-inch diameter PVC well casing from the subsurface and then advancing augers down the borehole to install a new 2-inch diameter well. Since the replacement well was installed in the same borehole as MW-10, split-spoon soil sampling was not conducted. However, a petroleum odor was noted in auger cuttings collected from an inferred depth of 10 to 13 feet below grade. A photoionization detector (PID) reading of 249 parts per million (ppm) was detected in the MW-10R auger-cutting sample.

Well MW-11R was also installed using hollow-stem auger methods. A soil sample collected with a split spoon sampler at 5 to 7 feet below grade was screened with the PID and did not register a reading above the instrument detection limit of 1 ppm. Additional details regarding the MW-10R and MW-11R well installations and associated construction details are documented on the Soil Boring / Well Construction Logs in Attachment B. The elevations of the PVC well casings of these two wells were surveyed relative to the existing site datum during the May 20, 2013 groundwater sampling event (Table 1).

GROUNDWATER SAMPLING AND ANALYSIS

GeoInsight performed a groundwater monitoring event at the site on May 20, 2013. Sampling activities included gauging groundwater elevations and collecting groundwater samples from monitoring wells MW-5, MW-8, MW-10R, MW-11R, and MW-S2. Groundwater elevations were measured at these wells using an electronic water level meter and gauging data are summarized in Table 1.

Groundwater samples were collected from the monitoring wells using new dedicated, disposable polyethylene bailers. Prior to sample collection, at least three times the volume of water in the wells was purged using the bailers or the wells were purged dry and allowed to recharge before sampling. After a short stabilization period (approximately 30 minutes), groundwater samples were collected from the monitoring wells for analyses of VOCs. The groundwater samples were submitted to Absolute Resource Associates of Portsmouth, New Hampshire. The samples were analyzed by United States Environmental Protection Agency (USEPA) Method 8260B, but were reported using the VTDEC USEPA Method 8021 list for selected petroleum constituents.

Table 2 provides a current and historical summary of groundwater VOC data for the site. The laboratory analytical report for the May 2013 monitoring event is presented in Attachment C. An updated discussion of groundwater impacts at the site is provided in the Updated Conceptual Model section of this report.

GROUNDWATER SAMPLING RESULTS

Laboratory analytical results for the May 2013 groundwater monitoring event indicated that VOCs were not detected above laboratory reporting limits in the five groundwater samples. Elevated concentrations of benzene (60 to 63 micrograms per liter [µg/L]) that were detected at

well MW-8 (March and September 2012) and well MW-10 (March 2012) have apparently attenuated approximately one year after the relatively high concentrations were detected.

QUALITY ASSURANCE / QUALITY CONTROL

A trip blank sample was included by the laboratory with the sample containers during this monitoring event. VOCs were not detected above the laboratory reporting limits in the trip blank sample submitted for the May 2013 monitoring event. The trip blank sample was comprised of a laboratory-prepared VOC vial containing deionized water, which accompanied the sample containers in a cooler from delivery from the laboratory through receipt by the laboratory. GeoInsight also reviewed the surrogate recovery data reported by the laboratory for the samples collected during the May 2013 monitoring event, which were within the acceptable limits listed by the laboratory in the analytical reports.

In general, the quality assurance / quality control samples indicated that the data collected were technically sound, usable, and meet the data quality objectives of on-going site investigation activities.

UPDATED CONCEPTUAL MODEL

Groundwater Elevations and Flow Direction

Using the groundwater elevation data collected in May 2013, GeoInsight plotted groundwater elevation contours, which are presented on Figure 3. The data indicated groundwater flow was to the south and southeast, which was generally consistent with flow patterns mapped for recent monitoring events performed by GeoInsight and the previous environmental consultant for the site.

Volatile Organic Compound Distribution and Trends

The March 2012 sampling data indicated that benzene was detected at concentrations exceeding Vermont Primary Groundwater Enforcement Standards (VPGESs) in monitoring wells MW-8 and MW-10, located within the vicinity of the pump island and former and current USTs. Prior to the March 2012 sampling event, detected VOCs had not exceeded applicable VPGESs in monitoring wells sampled at the site since the September 2007 monitoring event when benzene was detected at a concentration of 27.1 µg/L at well MW-10. The apparent spike in benzene near the current and former USTs in 2012 was thought to possibly be related to flooding resulting from Tropical Storm Irene, which occurred in August 2011. The March 2012 sampling event was the first to include collection and analysis of groundwater samples from the site since major flooding occurred in the area of the station and across the State of Vermont.

The May 2013 groundwater sampling data indicate that VOCs are no longer present at detectable concentrations in monitoring wells located at the site and suggest that the detection of elevated benzene concentrations in 2012 was a short-term occurrence.

RECOMMENDATIONS

Because of the historical and recent detection of VOCs above laboratory reporting limits in the Shopping Center and Thorne-Thomsen supply well point-of-entry treatment (POET) systems, bi-annual sampling continues to be warranted for monitoring low-level residual VOCs at the site and in the POET systems. The next POET system monitoring event is set to occur in September 2013 (third quarter) under the currently approved monitoring program. The September 2013 event should include sampling of the five remaining site monitoring wells to confirm that VOCs remain at concentrations below applicable VPGES and/or laboratory reporting limits. Assuming VOCs concentrations in groundwater do not rebound above VPGESs, Sites Management Activity Completion should be evaluated by the VTDEC when VOC concentrations show decreasing or substantially stable concentrations at levels well below the applicable VPGESs in the POET systems influent samples.

GeoInsight was also recently made aware by the property owner that two bedrock supply wells are present on the property. These two wells include: Well #1, also referred to as the Former IGA Well, which is considered a backup well for the property and is currently inactive; and Well #2, also referred to as the Shopping Center Well, which is the currently active well connected the on-site POET (see site plan in Attachment A). The property owner recently rehabilitated Well #1 and requested that GeoInsight collect and analyze a sample from the well for VOCs during the next monitoring event. GeoInsight reviewed available historical documents for the site and, when previously active, VOCs were detected in samples collected from Well #1 (the Former IGA Well). Therefore, this additional supply well sampling requested by the property owner appears warranted.

If you have questions regarding the contents of this letter report, please call us at (603) 314-0820.

Sincerely,
GEOINSIGHT, INC.

Darrin L. Santos, P.G.
Senior Geologist

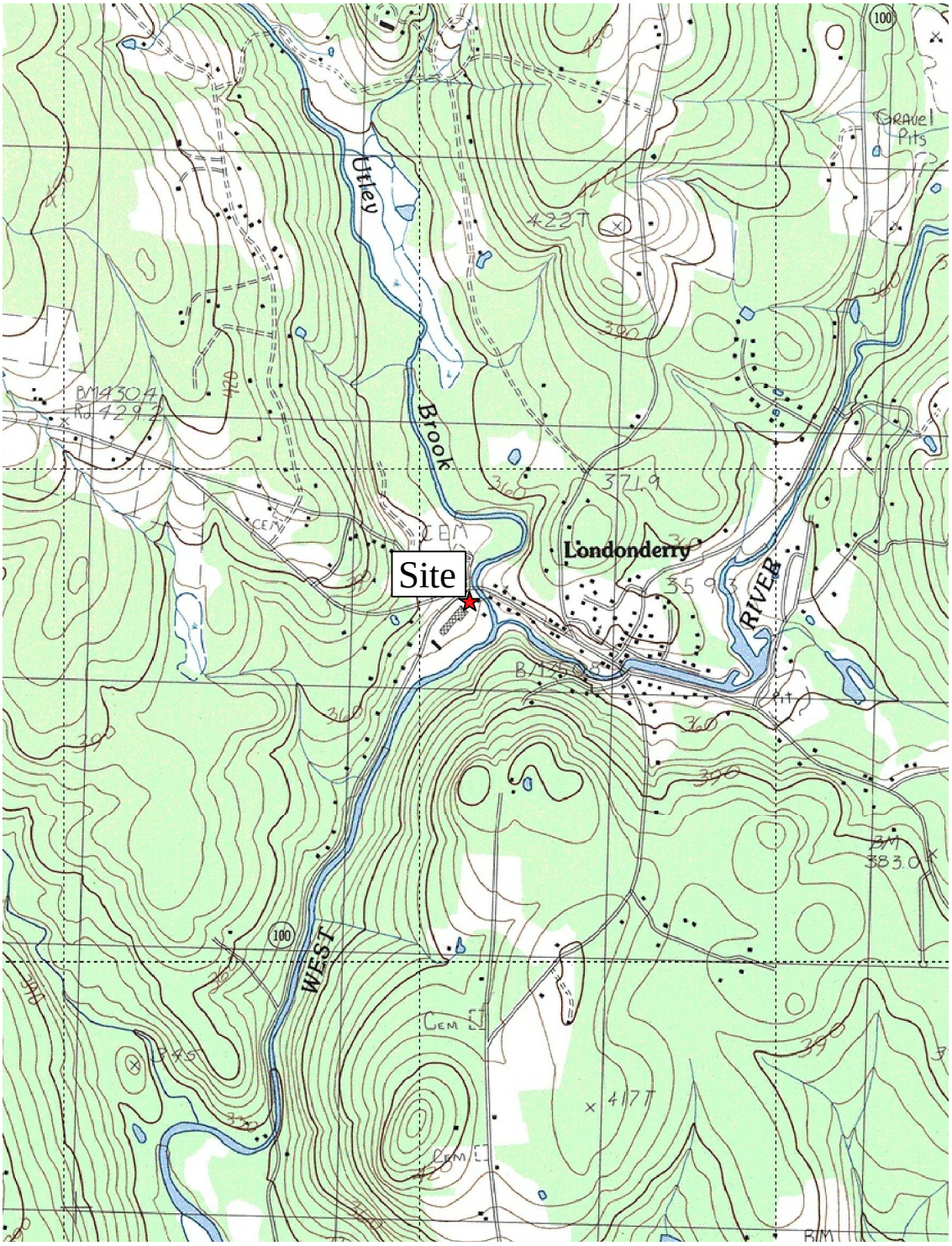
Peter D. Frank, P.G.
Associate/Senior Hydrogeologist

Attachments

cc: Summit Distributing, LLC
Robert Waite, Londonderry Ventures

p:\5599 summit londonderry vt\monitoring\2013\may2013 gw\5599may13gwreport-ltrhd.doc

FIGURES



SOURCE:

USGS LONDONDERRY, VT QUADRANGLE

0 2000 4000

APPROX. SCALE IN FEET

CLIENT:	SUMMIT DISTRIBUTING, LLC			
PROJECT:	5700 ROUTE 100 LONDONDERRY, VERMONT			
TITLE:	SITE LOCUS			
DESIGNED: CAE	DRAWN: STM	CHECKED: AWK	APPROVED: BDK	
SCALE: 1" = 2000'	DATE: 12/29/08	FILE NO.: 5599-LOCUS	PROJECT NO.: 5599-000	FIGURE NO.: 1

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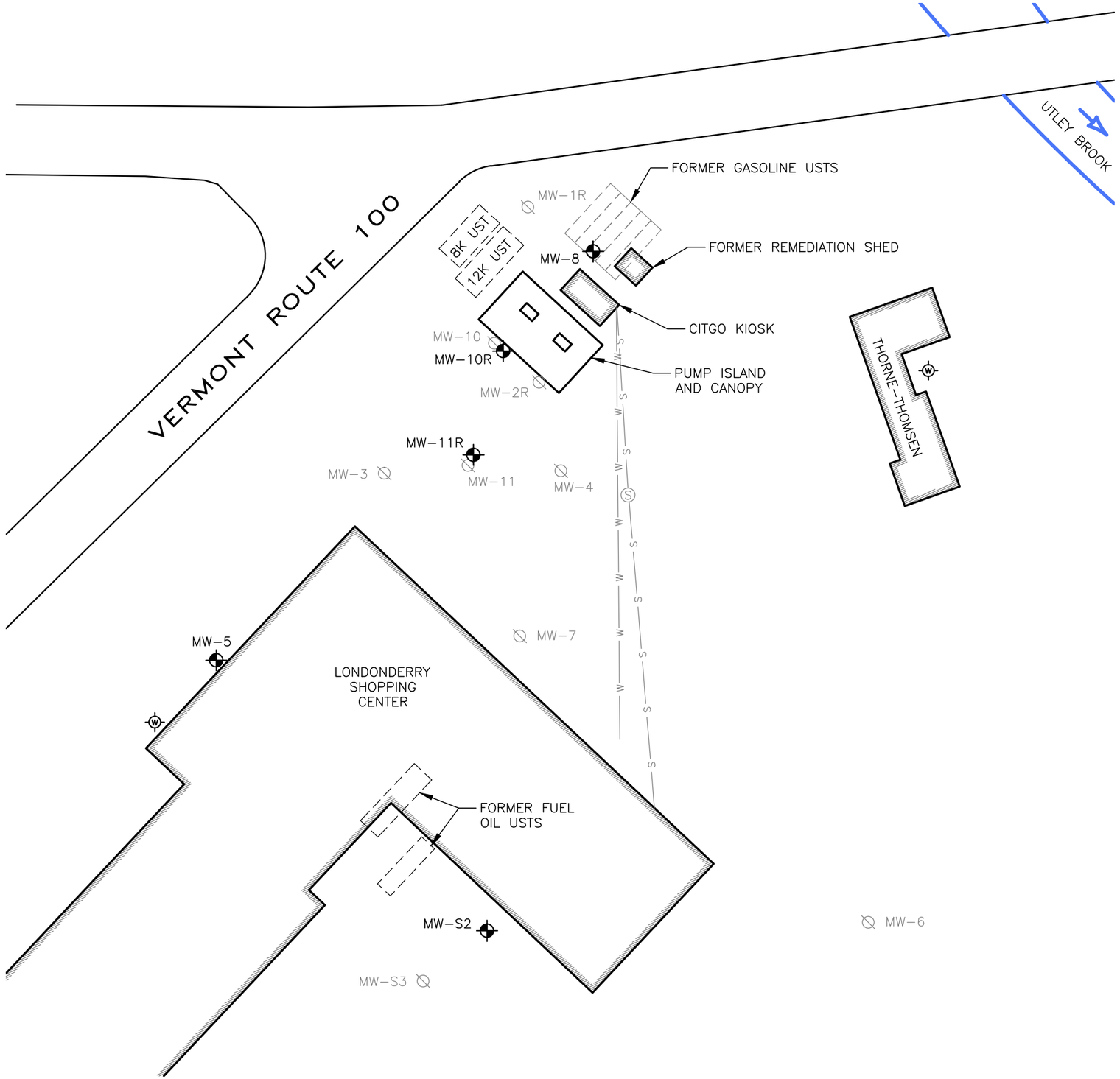
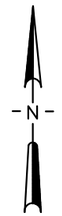
PLOT DATE: 7-28-10
FILE: i:\5599\5599-LOCUS.dwg





LEGEND

- MW-1 MONITORING WELL
- MW-1R DECOMMISSIONED MONITORING WELL
- SUPPLY WELL
- SEWER MANHOLE
- S SEWER LINE
- W WATER LINE

NOTES:

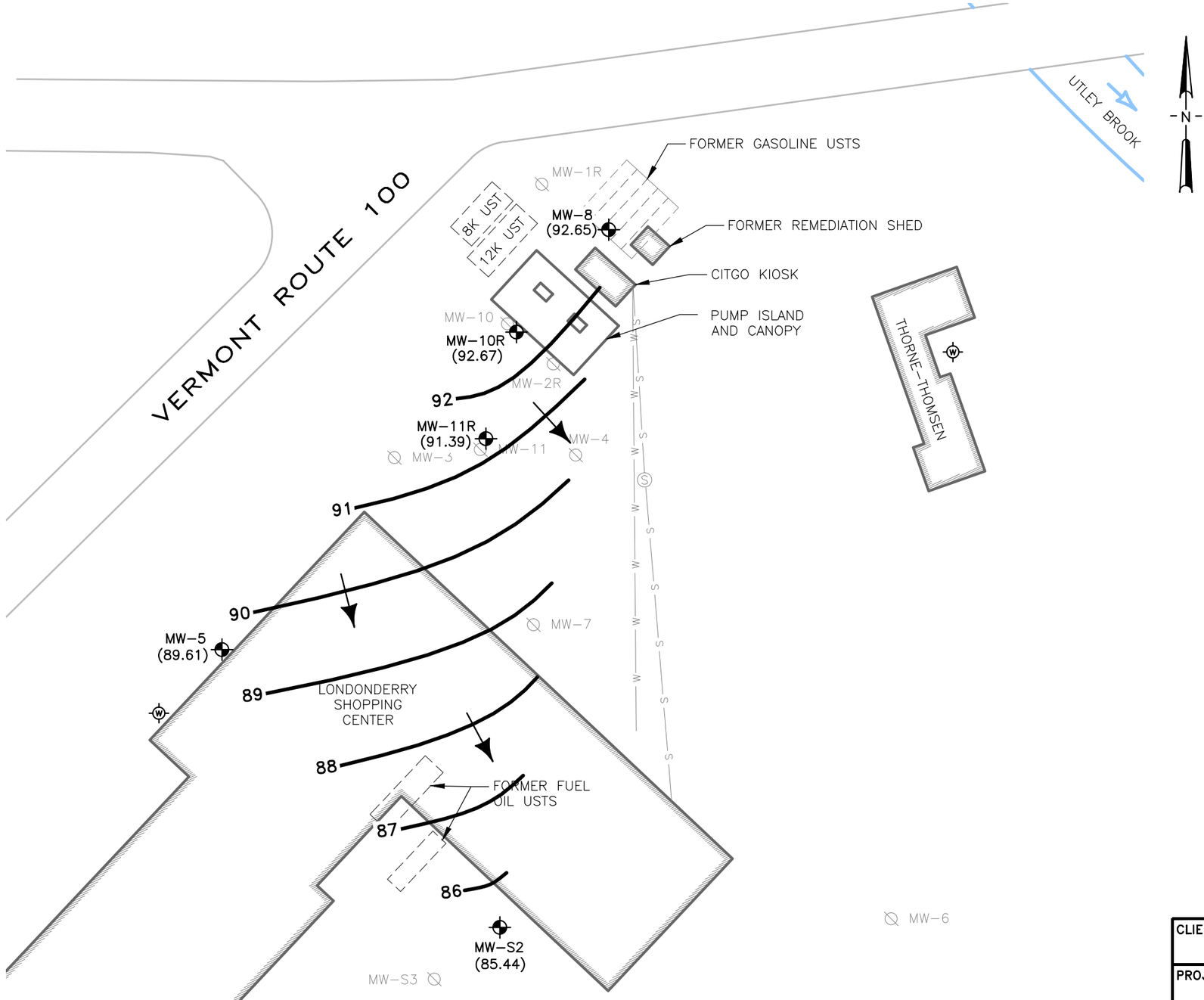
1. THIS PLAN WAS BASED UPON A SITE PLAN CREATED BY ECS DATED APRIL 04, 2006. ALL SITE FEATURES ARE APPROXIMATE.

0 40 80

APPROX. SCALE IN FEET

CLIENT: SUMMIT DISTRIBUTING, LLC				
PROJECT: 5700 ROUTE 100 LONDONDERRY, VERMONT				
TITLE: SITE PLAN				
DESIGNED: DLS	DRAWN: STM	CHECKED: DLS	APPROVED: PDF	GeoInsight Practical in Nature
SCALE: 1" = 40'	DATE: 07/31/13	FILE NO.: 5599D001	PROJECT NO.: 5599-000	FIGURE NO.: 2

PLOT DATE: 7-31-13
FILE: C:\Users\stmckee\appdata\local\temp\AcPublish_8828\5599D001.dwg



LEGEND

MW-1	MONITORING WELL
MW-1R	DECOMMISSIONED MONITORING WELL
	SUPPLY WELL
	SEWER MANHOLE
S S	SEWER LINE
W W	WATER LINE
89	RELATIVE GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
	INFERRED DIRECTION OF GROUNDWATER FLOW
(87.16)	RELATIVE GROUNDWATER ELEVATION

NOTES:

1. THIS PLAN WAS BASED UPON A SITE PLAN CREATED BY ECS DATED APRIL 04, 2006. ALL SITE FEATURES ARE APPROXIMATE.

0 40 80

APPROX. SCALE IN FEET

CLIENT: SUMMIT DISTRIBUTING, LLC				
PROJECT: 5700 ROUTE 100 LONDONDERRY, VERMONT				
TITLE: GROUNDWATER CONTOUR PLAN MAY 20, 2013				
DESIGNED: DLS	DRAWN: STM	CHECKED: DLS	APPROVED: PDF	GeoInsight Practical in Nature
SCALE: 1" = 40'	DATE: 07/31/13	FILE NO.: 5599D016	PROJECT NO.: 5599-000	FIGURE NO.: 3

PLOT DATE: 7-31-13
FILE: C:\Users\stmckee\appdata\local\temp\AcPublish_8828\5599D016.dwg

TABLES

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

WELL I.D.	REFERENCE ELEVATION (FT) (Note 2)	MONITORING DATE (Note 3)	DEPTH TO GROUNDWATER (FT)	RELATIVE GROUNDWATER ELEVATION (FT)
MW-1R	100.53	03/21/06	5.23	95.30
		09/12/06	8.93	91.60
		03/30/07	6.47	94.06
		09/19/07	10.56	89.97
		10/09/08	8.27	92.26
		04/16/09	5.72	94.81
		09/21/09	8.65	91.88
		03/23/10	4.91	95.62
	Decommissioned June 2010.			
MW-2R	99.28	03/21/06	5.20	94.08
		09/12/06	7.75	91.53
		03/30/07	5.30	93.98
		09/19/07	9.82	89.46
		10/09/08	6.93	92.35
		04/16/09	4.49	94.79
		03/23/10	3.36	95.92
	Decommissioned June 2010.			
MW-3	98.69	03/21/06	4.91	93.78
		09/12/06	7.63	91.06
		03/30/07	5.24	93.45
		09/19/07	9.82	88.87
		10/09/08	7.02	91.67
		04/16/09	4.45	94.24
		03/23/10	3.46	95.23
	Decommissioned June 2010.			
MW-4	98.32	03/21/06	4.01	94.31
		09/12/06	Dry	--
		03/30/07	Dry	--
		09/19/07	Dry	--
		10/09/08	Dry	--
		04/16/09	Dry	--
		03/23/10	Dry	--
	Decommissioned June 2010.			
MW-5	98.48	03/21/06	NS	--
		09/12/06	NS	--
		03/30/07	8.81	89.67
		09/19/07	11.60	86.88
		10/09/08	9.63	88.85
		04/16/09	6.82	91.66
		03/23/10	6.46	92.02
		03/28/11	7.41	91.07
		03/20/12	7.38	91.10
		09/19/12	11.32	87.16
		05/20/13	8.87	89.61

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

WELL I.D.	REFERENCE ELEVATION (FT) (Note 2)	MONITORING DATE (Note 3)	DEPTH TO GROUNDWATER (FT)	RELATIVE GROUNDWATER ELEVATION (FT)
MW-6	95.13	03/21/06	8.91	86.22
		09/12/06	10.14	84.99
		03/30/07	NS	--
		09/19/07	NS	--
		10/09/08	9.82	85.31
		04/16/09	8.02	87.11
		03/23/10	6.91	88.22
	Decommissioned June 2010.			
MW-7	98.40	03/21/06	8.39	90.01
		09/12/06	10.37	88.03
		03/30/07	9.21	89.19
		09/19/07	11.86	86.54
		10/09/08	9.87	88.53
		04/16/09	7.51	90.89
		03/23/10	7.22	91.18
	Decommissioned June 2010.			
MW-8	99.66	03/21/06	5.65	94.01
		09/12/06	8.15	91.51
		03/30/07	5.65	94.01
		09/19/07	9.77	89.89
		10/09/08	7.40	92.26
		04/16/09	4.97	94.69
		09/21/09	7.84	91.82
		03/23/10	3.80	95.86
		03/28/11	Monitoring Well Inaccessible	
		3/20/2012	3.92	95.74
		9/19/2012	9.57	90.09
		5/20/2013	7.01	92.65
MW-10	99.60	03/21/06	5.49	94.11
		09/12/06	8.04	91.56
		03/30/07	5.55	94.05
		09/19/07	9.68	89.92
		10/09/08	7.26	92.34
		04/16/09	4.75	94.85
		09/21/09	7.69	91.91
		03/23/10	3.63	95.97
		03/28/11	4.53	95.07
		03/20/12	4.50	95.10
		09/19/12	Dry to 6.8' (roadbox damaged, sediment accumulation)	
MW-10R	99.22	05/20/13	6.55	92.67

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION DATA
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

WELL I.D.	REFERENCE ELEVATION (FT) (Note 2)	MONITORING DATE (Note 3)	DEPTH TO GROUNDWATER (FT)	RELATIVE GROUNDWATER ELEVATION (FT)
MW-11	98.70	03/21/06	6.01	92.69
		09/12/06	9.47	89.23
		03/30/07	5.95	92.75
		09/19/07	Dry	Dry
		10/09/08	Dry	Dry
		04/16/09	4.81	93.89
		03/23/10	3.52	95.18
MW-11R	Decommissioned June 2010.			
	98.46	05/20/13	7.07	91.39
MW-S2	94.89	03/21/06	8.75	86.14
		09/12/06	10.22	84.67
		03/30/07	8.56	86.33
		09/19/07	10.64	84.25
		10/09/08	9.93	84.96
		04/16/09	8.11	86.78
		09/21/09	10.21	84.68
		03/23/10	7.41	87.48
		03/28/11	7.93	86.96
		3/20/2012	7.89	87.00
		9/19/2012	10.65	84.24
		5/20/2013	9.45	85.44
MW-S3	94.41	03/21/06	8.19	86.22
		09/12/06	9.73	84.68
		03/30/07	8.56	85.85
		09/19/07	10.12	84.29
		10/09/08	9.45	84.96
		04/16/09	7.42	86.99
		03/23/10	6.81	87.60
	Decommissioned June 2010.			

NOTES:

1. Depth to groundwater measurements were from the top of polyvinyl chloride well casings.
2. Survey/reference elevations obtained from historical site investigation documents.
3. Prior to 10/10/08, measurements were performed by Environmental Compliance Services.
4. FT = feet; NS = not sampled.

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

Well ID	Sample Date	VOLATILE ORGANIC COMPOUNDS (VOCs)								
		MTBE	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total TMB*	Naphthalene	EDB	1,2-DCA
		micrograms per liter (µg/L)								
VPGES		**40**	**5**	**1,000**	**700**	**10,000**	**350**	**20**	**0.05**	**5**
MW-1R	03/21/06	**298**	**176**	170	9	169.4	13.7	ND(5)	--	--
	04/17/06	**72**	**66.6**	34.8	ND(5)	47.4	6.8	ND(5)	--	--
	06/23/06	18.4	**43.7**	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	--	--
	09/12/06	10.5	**8.5**	ND(1)	9.2	2.9	22.7	3.3	--	--
	12/22/06	7.1	**24.3**	ND(1)	6.6	ND(2)	85.2	6.5	--	--
	03/30/07	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/19/07	1.2	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	ND(0.01)	ND(1)
	03/04/08	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/24/08**	3	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	04/16/09	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	09/21/09	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	03/23/10	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	Monitoring well decommissioned June 2010.									
MW-2R	03/21/06	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	04/17/06	1.1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	06/23/06	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/12/06	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	2.2	ND(1)	--	--
	12/22/06	7.2	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	--	--
	03/30/07	ND(1)	ND(1)	ND(1)	2.4	ND(2)	7.8	ND(1)	--	--
	09/19/07	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	ND(0.01)	ND(1)
	03/04/08	1.5	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	ND(1)	ND(1)
	10/09/08	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	04/16/09	*Well removed from monitoring program.*								
	03/23/10	ND(2)	ND(2)	ND(2)	2	ND(2)	7	ND(5)	ND(2)	ND(2)
	Monitoring well decommissioned June 2010.									

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

Well ID	Sample Date	VOLATILE ORGANIC COMPOUNDS (VOCs)								
		MTBE	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total TMB*	Naphthalene	EDB	1,2-DCA
		micrograms per liter (µg/L)								
VPGES		**40**	**5**	**1,000**	**700**	**10,000**	**350**	**20**	**0.05**	**5**
MW-3	03/08/00	27.9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	06/12/00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/19/00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	12/13/00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/13/01	1.7	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/25/01	1.83	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/26/02	**798**	3.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/05/02	**106**	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/27/03	**118**	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/25/03	**80.2**	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/16/04	1.5	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/14/04	**44.6**	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/29/05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/02/05	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/21/06	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/12/06	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	--	--
	03/30/07	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	--	--
	09/19/07	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	ND(0.01)	ND(1)
	03/04/08	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	ND(0.01)	ND(1)
	10/09/08	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	04/16/09	*Well removed from monitoring program.*								
	03/23/10	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	Monitoring well decommissioned June 2010.									
MW-4	05/21/97	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--	--	--
	03/13/98	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--	--	--
	06/23/98	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--	--	--
	03/21/06	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--	--	--
	09/12/06	NS	NS	NS	NS	NS	--	--	--	--
	03/30/07	NS	NS	NS	NS	NS	--	--	--	--
	09/19/07	NS	NS	NS	NS	NS	--	--	--	--
	03/04/08	NS	NS	NS	NS	NS	--	--	--	--
	10/09/08	*Well purged dry prior to sampling and did not recharge.*								
	04/16/09	*Well removed from monitoring program.*								
	03/23/10	*Well inaccessible during monitoring event.*								
	Monitoring well decommissioned June 2010.									

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

Well ID	Sample Date	VOLATILE ORGANIC COMPOUNDS (VOCs)								
		MTBE	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total TMB*	Naphthalene	EDB	1,2-DCA
		micrograms per liter (µg/L)								
VPGES		**40**	**5**	**1,000**	**700**	**10,000**	**350**	**20**	**0.05**	**5**
MW-5	03/08/00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	06/12/00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/19/00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	12/13/00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/13/01	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/25/01	NS	NS	NS	NS	NS	NS	NS	--	--
	03/26/02	NS	NS	NS	NS	NS	NS	NS	--	--
	09/05/02	NS	NS	NS	NS	NS	NS	NS	--	--
	03/27/03	NS	NS	NS	NS	NS	NS	NS	--	--
	09/25/03	NS	NS	NS	NS	NS	NS	NS	--	--
	03/16/04	NS	NS	NS	NS	NS	NS	NS	--	--
	09/14/04	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/29/05	NS	NS	NS	NS	NS	NS	NS	--	--
	09/02/05	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/21/06	NS	NS	NS	NS	NS	NS	NS	--	--
	09/12/06	NS	NS	NS	NS	NS	NS	NS	--	--
	03/30/07	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(2)	ND(1)	--	--
	09/19/07	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	ND(0.01)	ND(1)
	03/04/08	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	ND(1)	ND(1)
	10/09/08	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	04/16/09	*Well removed from monitoring program.*								
	03/23/10	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	03/28/11	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	03/20/12	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	09/19/12	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	05/20/13	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

Well ID	Sample Date	VOLATILE ORGANIC COMPOUNDS (VOCs)								
		MTBE	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total TMB*	Naphthalene	EDB	1,2-DCA
		micrograms per liter (µg/L)								
VPGES		**40**	**5**	**1,000**	**700**	**10,000**	**350**	**20**	**0.05**	**5**
MW-6	03/08/00	10.6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	06/12/00	39	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/19/00	16.5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	12/13/00	31.7	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/13/01	35.3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/05/02	1.5	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/27/03	NS	NS	NS	NS	NS	NS	NS	ND(0.01)	ND(1)
	09/25/03	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	NS	NS
	03/16/04	NS	NS	NS	NS	NS	NS	NS	ND(2)	ND(2)
	09/14/04	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)		
	09/02/05	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)		
	03/21/06	2.7	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/12/06	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	--	--
	03/30/07	NS	NS	NS	NS	NS	NS	NS	--	--
	09/19/07	NS	NS	NS	NS	NS	NS	NS	--	--
	03/04/08	NS	NS	NS	NS	NS	NS	NS	--	--
	10/09/08	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	04/16/09	*Well removed from monitoring program.*								
	03/23/10	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	Monitoring well decommissioned June 2010.									

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

Well ID	Sample Date	VOLATILE ORGANIC COMPOUNDS (VOCs)								
		MTBE	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total TMB*	Naphthalene	EDB	1,2-DCA
		micrograms per liter (µg/L)								
VPGES		**40**	**5**	**1,000**	**700**	**10,000**	**350**	**20**	**0.05**	**5**
MW-7	03/08/00	**84.3**	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	06/12/00	10.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/19/00	5.1	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	12/13/00	22.3	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/13/01	**85.5**	ND(1)	ND(1)	ND(1)	2.4	ND(1)	ND(1)	--	--
	03/26/02	10.4	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/05/02	4.9	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/27/03	**77.5**	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/25/03	1.72	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/16/04	19.4	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/14/04	1.3	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/29/05	16.3	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/02/05	1.6	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/21/06	ND(1)	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/12/06	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	--	--
	03/30/07	2.2	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	--	--
	09/19/07	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	ND(1)**	ND(1)
	03/04/08	6.6	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	ND(1)	ND(1)
	10/09/08	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	04/16/09	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	09/21/09	*Well inaccessible during monitoring program.*								
	03/23/10	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	Monitoring well decommissioned June 2010.									

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

Well ID	Sample Date	VOLATILE ORGANIC COMPOUNDS (VOCs)								
		MTBE	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total TMB*	Naphthalene	EDB	1,2-DCA
		micrograms per liter (µg/L)								
VPGES		**40**	**5**	**1,000**	**700**	**10,000**	**350**	**20**	**0.05**	**5**
MW-8	03/08/00	1.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	06/12/00	**53.1**	**10.2**	7.9	31.1	139	84.7	10.9	--	--
	09/19/00	24.4	**10.8**	117	129	369	134.5	19	--	--
	12/13/00	24.7	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/13/01	**264**	**5.9**	ND(2)	18.6	20	22.9	4.2	--	--
	09/25/01	**68.1**	4.3	15.1	116	160	124.6	18.8	--	--
	03/26/02	**1,080**	**11.2**	35.1	178	1,070	**602**	**146**	--	--
	09/05/02	**814**	**20.2**	206	588	1,700	**918**	**153**	--	--
	03/27/03	38.4	1	1.7	5.9	46.6	24.2	4.1	--	--
	09/25/03	**556**	ND(25)	116	**824**	2,422	**2,271**	**376**	--	--
	03/16/04	**178**	**12.6**	16.9	217	294	**544**	**77.2**	--	--
	09/14/04	**140**	ND(10)	13.4	178	647	**735**	**93.2**	--	--
	03/29/05	**213**	**40**	ND(5)	35.6	96.1	**386.4**	**29**	--	--
	09/02/05	2.4	1.2	ND(1)	2.1	7.7	10.3	1.4	--	--
	03/21/06	22.8	ND(5)	ND(5)	17.5	34.6	278.8	**27.5**	--	--
	06/23/06	7.2	2.3	ND(1)	ND(1)	1.6	ND(1)	ND(1)	--	--
	09/12/06	16.7	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	--	--
	12/22/06	8.5	4.6	ND(1)	1.1	ND(3)	13.5	2	--	--
	03/30/07	1.2	3	ND(1)	7.9	6	11.3	3	--	--
	09/19/07	2.1	1.7	ND(1)	43.7	4.6	6.7	4.4	ND(0.01)	ND(1)
	03/04/08	6.1	1.6	ND(1)	2.5	4	65.3	4.6	ND(1)	ND(1)
	10/09/08	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	04/16/09	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	09/21/09	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	03/23/10	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	03/28/11	*Well inaccessible during monitoring program.*								
	03/20/12	ND(2)	**60**	4	ND(2)	3	57	ND(5)	ND(2)	ND(2)
	09/19/12	ND(2)	**63**	2	15	34	134	8	ND(2)	ND(2)
	05/20/13	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
MW-10	03/21/06	20.8	**32.4**	2.4	ND(1)	6.6	2.4	ND(1)	--	--
	06/23/06	18.8	**16.1**	ND(1)	ND(1)	ND(3)	2.1	ND(1)	--	--
	09/12/06	**91.6**	**17.9**	ND(1)	3.9	ND(3)	3.9	ND(1)	--	--
	12/22/06	15.5	2.4	ND(1)	6.8	8.7	7.6	ND(1)	--	--
	03/30/07	9.2	**11.9**	4.8	1.9	8.1	11.3	ND(1)	--	--
	09/19/07	36.6	**27.1**	ND(1)	1.4	4.9	12.2	ND(1)	ND(0.01)	ND(1)
	03/04/08	5.6	ND(1)	ND(1)	ND(1)	ND(3)	3.3	ND(1)	ND(1)	ND(1)
	10/09/08	11	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	04/16/09	2	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	09/21/09	5	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	03/23/10	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	03/28/11	ND(2)	4	7	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	03/20/12	ND(2)	**61**	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	09/19/12	The roadbox protector was damaged and the well was dry to 6.8 feet indicating that sediment had accumulated in the well.								
MW-10R	05/20/13	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

Well ID	Sample Date	VOLATILE ORGANIC COMPOUNDS (VOCs)								
		MTBE	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total TMB*	Naphthalene	EDB	1,2-DCA
		micrograms per liter (µg/L)								
VPGES		**40**	**5**	**1,000**	**700**	**10,000**	**350**	**20**	**0.05**	**5**
MW-11	03/21/06	6	2.8	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/12/06	6.4	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	--	--
	03/30/07	5.5	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	--	--
	09/19/07	NS	NS	NS	NS	NS	NS	NS	NS	NS
	03/04/08	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/09/08	*Monitoring well was dry and, therefore, could not be sampled.*								
	04/16/09	*Well removed from monitoring program.*								
	03/23/10	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
		Monitoring well decommissioned June 2010.								
MW-11R	05/20/13	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
MW-S2	03/08/00	**76.8**	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	06/12/00	22	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/19/00	**51.3**	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	12/13/00	**40.7**	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/13/01	**43.9**	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/25/01	29.6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/26/02	15.6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/05/02	11.6	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/27/03	**41.6**	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/25/03	17	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/16/04	16.5	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/14/04	NS	NS	NS	NS	NS	NS	NS	--	--
	03/29/05	**49.9**	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/02/05	29.1	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/21/06	1	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/12/06	**51.4**	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	--	--
	03/30/07	5.5	ND(1)	ND(1)	ND(1)	ND(3)	ND(1)	ND(1)	--	--
	09/19/07	6.7	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	ND(0.01)	ND(1)
	03/08/08	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/09/08	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	04/16/09	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	09/21/09	4	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	03/23/10	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	03/28/11	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	03/20/12	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	09/19/12	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	05/20/13	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
LONDONDERRY CITGO/LONDONDERRY SHOPPING CENTER
5700 ROUTE 100
LONDONDERRY, VERMONT
SMS #1996-2015

Well ID	Sample Date	VOLATILE ORGANIC COMPOUNDS (VOCs)								
		MTBE	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total TMB*	Naphthalene	EDB	1,2-DCA
		micrograms per liter (µg/L)								
VPGES		**40**	**5**	**1,000**	**700**	**10,000**	**350**	**20**	**0.05**	**5**
MW-S3	03/08/00	**79.4**	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	06/12/00	15.7	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/19/00	17.9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	12/13/00	21.8	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/13/01	23.7	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/25/01	10.9	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/26/02	14.7	ND(1)	ND(1)	1.3	2.8	ND(1)	ND(1)	--	--
	09/05/02	15.4	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/27/03	**43.5**	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/25/03	16.8	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/16/04	8.8	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/14/04	NS	NS	NS	NS	NS	NS	NS	--	--
	03/29/05	3.1	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/02/05	1	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	03/21/06	**121**	ND(1)	ND(1)	ND(1)	ND(2)	ND(1)	ND(1)	--	--
	09/12/06	1.2	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	03/30/07	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	--	--
	09/19/07	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	ND(0.01)	ND(1)
	03/04/08	ND(1)	ND(1)	ND(1)	ND(1)	ND(3)	ND(2)	ND(1)	ND(1)	ND(1)
	10/09/08	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
	04/16/09	*Well removed from monitoring program.*								
	03/23/10	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(5)	ND(2)	ND(2)
		Monitoring well decommissioned June 2010.								

NOTES:

1. Results reported in micrograms per liter (µg/L).
2. NS - not sampled.
3. ND(X) - constituent not detected above the laboratory reporting limit noted.
4. VPGESs - Vermont Primary Groundwater Enforcement Standards.
5. Concentrations in bold exceed VPGESs.
6. Prior to 10/10/08, samples were collected by Environmental Compliance Services.
7. EDB - 1,2-dibromoethane; 1,2-DCA - 1,2-dichloroethane; MTBE - methyl tert butyl ether.
8. -- - data not reported in historical reports or data no longer available.
9. * - Effective on 02/28/07, trimethylbenzene (TMB) enforcement standards increased to 350 µg/L, and includes 1,2,4-TMB and 1,3,5-TMB.
10. * *Well MW-1R was resampled on 10/24/08 due to damaged sample vials received by the laboratory from the initial 10/09/08 monitoring event.

ATTACHMENT A

HISTORICAL SITE PLAN WITH SPARGE WELL LOCATIONS

VERMONT ROUTE 100

VERMONT ROUTES 11 & 100

LONDONDERRY SHOPPING CENTER

BANK

IGA SUPERMARKET

MAIN SUPPLY WELL

IGA WELL

MW-5

MW-3

MW-7

MW-6

MW-S3

MW-S2

FUEL-OIL USTs (removed)

PUMP ISLAND CANOPY

SB-12

8k UST

12k UST

MW-1R

SVE-2

SVE-4

CO-4

CO-2

MW-10

SP-3

SV-1

FORMER GASOLINE USTs

MW-8

CO-1

SP-1

SP-2

SP-4

MW-11

MW-2R

[5.31']

CO-5

SV-3

CO-3

SVE-5

CITGO KIOSK

REMEDIATION SHED

SB-4R

MW-4

SB-9

SEWER MANHOLE

WATER LINE

SEWER LINE

THORNE-THOMPSON

BEDROCK SUPPLY WELL

WEST RIVER

LEGEND

MW-2	MONITORING WELL
SP-1	SPARGE POINT
SB-4R	SOIL BORING
[86.33']	GROUNDWATER ELEVATION (FT.)
	INFERRED GROUNDWATER FLOW DIRECTION

NOTES

Groundwater elevation measured in MW-2R only due to equipment failure

0 40(ft)

ALL LOCATIONS ARE APPROXIMATE

ecs

FIGURE 3.
GROUNDWATER ELEVATION MAP
Monitoring Date: 4 March 2008

LONDONDERRY CITGO
LONDONDERRY CENTER, VT

DRAWN BY: ABC	DATE: 4/01/08	SCALE: 1"= 40'
APPROVED BY: EE		FILE No.: 08-205686.00

ATTACHMENT B

SOIL BORING / WELL COMPLETION LOGS

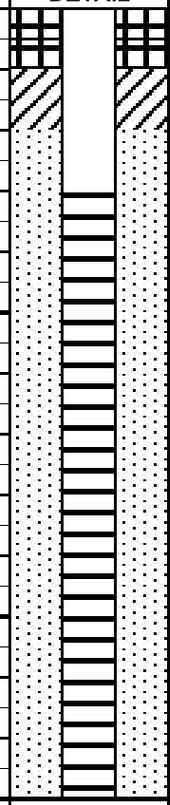
GeoInsight
Practical in Nature

SOIL BORING / WELL COMPLETION LOG

Project:	Londonderry Citgo/Shopping Center	Boring I.D.: MW-10R	Well ID: **MW-10R**
Location:	Londonderry, VT	Sheet: 1 Of: 1	
		Project Number:	5599-000
		Chkd. By:	DLS

Drilling Co.: T&K Drilling	Boring Location: replacement well for MW-10 (silted-in/damaged)	
Foreman: Sean Mcgarry	Top of PVC Riser Elevation: 99.22 feet	Datum: 100.00 feet
GeoInsight Eng./Geol: MMB	Top of Protector Elevation: NA	Ground Elev: NA
	Date Started: 4/25/13	Date Completed: 4/25/13

DRILLING METHOD		SAMPLER	GROUND WATER READINGS			
Vehicle:	Truck-Mounted	Type: 2' long SS sampler	DATE	DEPTH (FT)	REFERENCE	STABILIZATION
Model:	Custom	Hammer(lb): 140	4/25/2013	5	auger cuttings	NA
Method:	Hollow-Stem Auger	Fall (in): 30	5/20/2013	4.59	PVC	2 hours

DEPTH (ft)	SAMPLE NO.	SAMPLE PEN/REC (in)	SAMPLE DEPTH (ft)	BLOWS/6"	WELL COMPLETION DETAIL	SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	NOTE
0						Began by removing 1" PVC well material associated with well MW-10 (which had silted-in and was dry during the previous monitoring event). Augered down MW-10 borehole to a depth of 13 feet BGS. Split spoon samples were not collected.			
5							SAND		
10								249	1,2
						Boring terminated at 13 feet BGS. Refusal not encountered. Monitoring well installed.			
15									

GRANULAR SOILS		COHESIVE SOILS	
BLOWS/ft.	DENSITY	BLOWS/ft.	CONSISTENCY
0-4	V. LOOSE	<2	V. SOFT
5-10	LOOSE	3-4	SOFT
11-30	M. DENSE	5-8	M. STIFF
31-50	DENSE	9-15	STIFF
>50	V. DENSE	16-30	V. STIFF
		>30	HARD

WELL CONSTRUCTION NOTES:

2-inch monitoring well completed with a flush-mount roadbox.

WELL MATERIALS	INTERVAL FEET BGS	LEGEND
Concrete	0-1	
Backfill	NA	
Grout	NA	
Bentonite	1-2	
Sandpack	2-13	
Riser	0-3	
Screen	3-13	

NOTES:

1. Soil sample screened in the field for total volatile organic compounds using a photoionization detector equipped with a 10.6 eV bulb.
2. Soil sample collected from auger cuttings. Sample depth is estimated.

GeoInsight
Practical in Nature

SOIL BORING / WELL COMPLETION LOG

Project:	Londonderry Citgo/Shopping Center	Boring I.D.: MW-11R	Well ID: **MW-11R**
Location:	Londonderry, VT	Sheet: 1 Of: 1	
		Project Number:	5599-000
		Chkd. By:	DLS

Drilling Co.: T&K Drilling	Boring Location: replacement well for MW-11 (previously decommissioned)	
Foreman: Sean Mcgarry	Top of PVC Riser Elevation: 98.46 feet	Datum: 100.00 feet
GeoInsight Eng./Geol: MMB	Top of Protector Elevation: NA	Ground Elev: NA
	Date Started: 4/25/13	Date Completed: 4/25/13

DRILLING METHOD		SAMPLER	GROUND WATER READINGS			
Vehicle:	Truck-Mounted	Type: 2' long SS sampler	DATE	DEPTH (FT)	REFERENCE	STABILIZATION
Model:	Custom	Hammer(lb): 140	4/25/2013	5.0	auger cuttings	NA
Method:	Hollow-Stem Auger	Fall (in): 30	5/20/2013	4.4	PVC	1 hour

DEPTH (ft)	SAMPLE NO.	SAMPLE PEN/REC (in)	SAMPLE DEPTH (ft)	BLOWS/6"	WELL COMPLETION DETAIL	SAMPLE DESCRIPTION	STRATUM DESCRIPTION	FIELD SCREENING (ppm)	NOTE
0						Augered to 5' BGS.	SAND (TILL)		
5	S-1	24/10	5-7	12 31 35 34		Very dense, brown, fine to medium SAND, some coarse Sand, trace Gravel. Wet.		<1	1
10						Boring terminated at 10 feet BGS. Refusal not encountered. Monitoring well installed.			
15									

GRANULAR SOILS		COHESIVE SOILS		WELL CONSTRUCTION NOTES:	WELL MATERIALS	INTERVAL FEET BGS	LEGEND
BLOWS/ft.	DENSITY	BLOWS/ft.	CONSISTENCY	2-inch monitoring well completed with a flush-mount roadbox.	Concrete	0-1	
0-4	V. LOOSE	<2	V. SOFT		Backfill	NA	
5-10	LOOSE	3-4	SOFT		Grout	NA	
11-30	M. DENSE	5-8	M. STIFF		Bentonite	1-2	
31-50	DENSE	9-15	STIFF		Sandpack	2-10	
>50	V. DENSE	16-30	V. STIFF		Riser	0-3	
		>30	HARD		Screen	3-13	

NOTES:

1. Soil sample screened in the field for total volatile organic compounds using a photoionization detector equipped with a 10.6 eV bulb.

ATTACHMENT C

LABORATORY ANALYTICAL REPORT

Laboratory Report

Absolute Resource associates
124 Heritage Avenue Portsmouth NH 03801

Darrin Santos
GeoInsight, Inc.
186 Granite Street
3rd Floor, Suite A
Manchester, NH 03103

PO Number: None
Job ID: 26865
Date Received: 5/21/13

Project: Londonderry VT 5599

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Absolute Resource Associates' Quality Assurance Plan. The Standard Operating Procedures are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Absolute Resource Associates maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Absolute Resource Associates

Sue Sylvester (for)
Principal, General Manager

Date of Approval: 5/29/2013
Total number of pages: 5

Absolute Resource Associates Certifications

New Hampshire	1732	Massachusetts	M-NH902
Maine	NH903		

Project ID: Londonderry VT 5599
Job ID: 26865

Sample#: 26865-001
Sample ID: MW-S2
Matrix: Water
Sampled: 5/20/13 9:45

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1301244	5/23/13	23:30	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		1301244	5/23/13	23:30	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		1301244	5/23/13	23:30	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	LMM		1301244	5/23/13	23:30	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	LMM		1301244	5/23/13	23:30	SW5030B8260B
o-xylene	< 2	2	ug/L	1	LMM		1301244	5/23/13	23:30	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1301244	5/23/13	23:30	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		1301244	5/23/13	23:30	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		1301244	5/23/13	23:30	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1301244	5/23/13	23:30	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1301244	5/23/13	23:30	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**111**	78-114	%	1	LMM		1301244	5/23/13	23:30	SW5030B8260B
toluene-D8 SUR	**103**	88-110	%	1	LMM		1301244	5/23/13	23:30	SW5030B8260B
4-bromofluorobenzene SUR	**98**	86-115	%	1	LMM		1301244	5/23/13	23:30	SW5030B8260B

Sample#: 26865-002
Sample ID: MW-5
Matrix: Water
Sampled: 5/20/13 10:00

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1301244	5/24/13	0:02	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		1301244	5/24/13	0:02	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		1301244	5/24/13	0:02	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	LMM		1301244	5/24/13	0:02	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	LMM		1301244	5/24/13	0:02	SW5030B8260B
o-xylene	< 2	2	ug/L	1	LMM		1301244	5/24/13	0:02	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1301244	5/24/13	0:02	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		1301244	5/24/13	0:02	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		1301244	5/24/13	0:02	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1301244	5/24/13	0:02	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1301244	5/24/13	0:02	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**107**	78-114	%	1	LMM		1301244	5/24/13	0:02	SW5030B8260B
toluene-D8 SUR	**102**	88-110	%	1	LMM		1301244	5/24/13	0:02	SW5030B8260B
4-bromofluorobenzene SUR	**99**	86-115	%	1	LMM		1301244	5/24/13	0:02	SW5030B8260B

Project ID: Londonderry VT 5599
Job ID: 26865

Sample#: 26865-003
Sample ID: MW-11R
Matrix: Water
Sampled: 5/20/13 10:15

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1301269	5/24/13	13:27	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		1301269	5/24/13	13:27	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		1301269	5/24/13	13:27	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	LMM		1301269	5/24/13	13:27	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	LMM		1301269	5/24/13	13:27	SW5030B8260B
o-xylene	< 2	2	ug/L	1	LMM		1301269	5/24/13	13:27	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1301269	5/24/13	13:27	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		1301269	5/24/13	13:27	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		1301269	5/24/13	13:27	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1301269	5/24/13	13:27	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1301269	5/24/13	13:27	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**96**	78-114	%	1	LMM		1301269	5/24/13	13:27	SW5030B8260B
toluene-D8 SUR	**104**	88-110	%	1	LMM		1301269	5/24/13	13:27	SW5030B8260B
4-bromofluorobenzene SUR	**101**	86-115	%	1	LMM		1301269	5/24/13	13:27	SW5030B8260B

Sample#: 26865-004
Sample ID: MW-10R
Matrix: Water
Sampled: 5/20/13 10:30

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1301274	5/24/13	20:45	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		1301274	5/24/13	20:45	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		1301274	5/24/13	20:45	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	LMM		1301274	5/24/13	20:45	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	LMM		1301274	5/24/13	20:45	SW5030B8260B
o-xylene	< 2	2	ug/L	1	LMM		1301274	5/24/13	20:45	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1301274	5/24/13	20:45	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		1301274	5/24/13	20:45	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		1301274	5/24/13	20:45	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1301274	5/24/13	20:45	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1301274	5/24/13	20:45	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**104**	78-114	%	1	LMM		1301274	5/24/13	20:45	SW5030B8260B
toluene-D8 SUR	**104**	88-110	%	1	LMM		1301274	5/24/13	20:45	SW5030B8260B
4-bromofluorobenzene SUR	**100**	86-115	%	1	LMM		1301274	5/24/13	20:45	SW5030B8260B

Project ID: Londonderry VT 5599
Job ID: 26865

Sample#: 26865-005
Sample ID: MW-8
Matrix: Water
Sampled: 5/20/13 10:45

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1301274	5/24/13	21:18	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		1301274	5/24/13	21:18	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		1301274	5/24/13	21:18	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	LMM		1301274	5/24/13	21:18	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	LMM		1301274	5/24/13	21:18	SW5030B8260B
o-xylene	< 2	2	ug/L	1	LMM		1301274	5/24/13	21:18	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1301274	5/24/13	21:18	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		1301274	5/24/13	21:18	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		1301274	5/24/13	21:18	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1301274	5/24/13	21:18	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1301274	5/24/13	21:18	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**105**	78-114	%	1	LMM		1301274	5/24/13	21:18	SW5030B8260B
toluene-D8 SUR	**100**	88-110	%	1	LMM		1301274	5/24/13	21:18	SW5030B8260B
4-bromofluorobenzene SUR	**97**	86-115	%	1	LMM		1301274	5/24/13	21:18	SW5030B8260B

Sample#: 26865-006
Sample ID: Trip Blank
Matrix: Water
Sampled: 5/20/13 0:00

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Analysis Batch	Analysis Date	Analysis Time	Reference
methyl t-butyl ether (MTBE)	< 2	2	ug/L	1	LMM		1301269	5/24/13	12:34	SW5030B8260B
benzene	< 2	2	ug/L	1	LMM		1301269	5/24/13	12:34	SW5030B8260B
toluene	< 2	2	ug/L	1	LMM		1301269	5/24/13	12:34	SW5030B8260B
ethylbenzene	< 2	2	ug/L	1	LMM		1301269	5/24/13	12:34	SW5030B8260B
m&p-xylenes	< 2	2	ug/L	1	LMM		1301269	5/24/13	12:34	SW5030B8260B
o-xylene	< 2	2	ug/L	1	LMM		1301269	5/24/13	12:34	SW5030B8260B
naphthalene	< 5	5	ug/L	1	LMM		1301269	5/24/13	12:34	SW5030B8260B
1,3,5-trimethylbenzene	< 2	2	ug/L	1	LMM		1301269	5/24/13	12:34	SW5030B8260B
1,2,4-trimethylbenzene	< 2	2	ug/L	1	LMM		1301269	5/24/13	12:34	SW5030B8260B
1,2-dichloroethane	< 2	2	ug/L	1	LMM		1301269	5/24/13	12:34	SW5030B8260B
1,2-dibromoethane (EDB)	< 2	2	ug/L	1	LMM		1301269	5/24/13	12:34	SW5030B8260B
Surrogate Recovery		**Limits**								
dibromofluoromethane SUR	**94**	78-114	%	1	LMM		1301269	5/24/13	12:34	SW5030B8260B
toluene-D8 SUR	**103**	88-110	%	1	LMM		1301269	5/24/13	12:34	SW5030B8260B
4-bromofluorobenzene SUR	**103**	86-115	%	1	LMM		1301269	5/24/13	12:34	SW5030B8260B

Absolute Resource associates
124 Heritage Avenue #16
Portsmouth, NH 03801
603-436-2001
absoluteresourceassociates.com

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

26865

Company Name: GeoInsight
Company Address: 186 Granite ST 3rd FlSTEA
Manchester NH 03101
Report To: Darrin Santos
Phone #: 603-314-0820
Invoice To:
☒ Email: DLSantos@Geoinc.com

Project Name: Londonderry VT
Project #: 5599
Project Location: NH MA ME (VT) Other

Protocol: RCRA SDWA NPDES MCP NHDES OTHER
Reporting Limits: QAPP GW-1 S-1 EPA DW Other
Quote # ☐ NH Reimbursement Pricing
PO #

ANALYSIS REQUEST

☐ VOC 8260 ☐ VOC 8260 NHDES ☐ VOC 8260 MADEP
☐ VOC 624 ☐ VOC BTEX ☐ MtBE. only ☒ VOC 8021VT
☐ VPH MADEP ☐ MEGRO ☐ GRO 8015 ☐ 1,4-Dioxane
☐ VOC 524.2 ☐ VOC 524.2 NH List ☐ Gases-List:
☐ TPH ☐ DRO 8015 ☐ MEDRO ☐ EPH MADEP ☐ TPH Fingerprint
☐ 8270PAH ☐ 8270ABN ☐ 625 ☐ EDB 504.1
☐ 8082 PCB ☐ 8081 Pesticides ☐ 608 Pest/PCB
☐ O&G 1664 ☐ Mineral O&G SM5520F
☐ pH ☐ BOD ☐ Conductivity ☐ Turbidity
☐ TSS ☐ TDS ☐ TS ☐ TVS ☐ Alkalinity
☐ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals ☐ Hardness
☐ Total Metals-list:
☐ Dissolved Metals-list:
☐ Ammonia ☐ COD ☐ TKN ☐ TN ☐ TON ☐ TOC
☐ T-Phosphorus ☐ Phenols ☐ Bacteria P/A ☐ Bacteria MPN
☐ Cyanide ☐ Sulfide ☐ Nitrate + Nitrite ☐ Ortho P
☐ Nitrate ☐ Nitrite ☐ Chloride ☐ Sulfate ☐ Bromide ☐ Fluoride
☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP
☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC ☐ TCLP Pesticide
Subcontract: ☐ Grain Size ☐ Herbicides ☐ Formaldehyde
Grab (G) or Composite (C)

Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix: WATER	SOLID	OTHER	Preservation Method: HCl	HNO_3	H_2SO_4	NaOH	MeOH	Sampling: DATE	TIME	SAMPLER	Grab (G) or Composite (C)
26865-01	MW-52	2	X			X					5/20/13	9:45	SrF	G
-02	MW-5											10:00		
-03	MW-11R											10:15		
-04	MW-10R											10:30		
-05	MW-8											10:45		
-06	Trip Blank	1									5/2/13	—	—	

TAT REQUESTED
Priority (24 hr)* ☐
Expedited (48 hr)* ☐
Standard (10 Business Days) ☒
*Date Needed _____

See absoluteresourceassociates.com for sample acceptance policy and current accreditation lists.

SPECIAL INSTRUCTIONS

REPORTING INSTRUCTIONS ☒ PDF (e-mail address) DLSantos@Geoinc.com
☐ HARD COPY REQUIRED ☐ FAX (FAX#)

RECEIVED ON ICE ☒ YES ☐ NO
TEMPERATURE 3 °C

CUSTODY RECORD
QSD-01 Revision 03/21/13

Relinquished by:	Date	Time	Received by:	Date	Time
Sampler: Joshua Ford	5/20/13	14:45	GeoInsight STOCK	5/20/13	14:45
	5/21/13	1:25		5/21/13	1:25
	Date	Time	Received by Laboratory:	Date	Time