

MARYLAND DEPARTMENT OF THE ENVIRONMENT

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Drinking Water Well Sampling and Environmental Investigation
Meller's Food Mart/ Meller's Sunoco
(a.k.a. Meller's Food Market, Ernie's Car Care, Mobil Food Mart)
2403 Rocks Road, Forest Hill, MD 21050
Harford County, Maryland
Case No. 2006-0886HA

The Maryland Department of the Environment (MDE), Oil Control Program (OCP), in coordination with the Harford County Health Department (HCHD), is evaluating the impact of methyl tertiary-butyl ether (MTBE) at the Meller's Sunoco food mart/convenience store.

MTBE is a fuel additive commonly used to reduce carbon monoxide and ozone levels caused by auto emissions. There is no national regulatory standard for MTBE in drinking water. In 1997, the U.S. Environmental Protection Agency (EPA) issued an advisory for MTBE of 20 to 40 parts per billion (ppb), based on taste and odor. Although the EPA has not established a regulated Maximum Contaminant Level (MCL) for MTBE, the MDE has adopted an action level of 20 ppb.

In July 2006, the MDE-OCP became aware of environmental problems at the Meller's Sunoco facility upon receiving the groundwater sampling results from three newly installed monitoring wells. MTBE contamination was detected in a monitoring well located adjacent to the former tank field area, at a concentration of 10,100 ppb. The station's drinking water supply well has been sampled annually since May 2006 and has been non-detect for petroleum constituents.

Since the 1980s, the facility was an active gasoline retail station and convenience store, operated by independent owners. The previous registered owner of this facility, formerly known as Ernie's Car Care, operated underground storage tanks until they were removed in 1989. The new operator Meller's Food Mart subsequently installed three (3) underground tanks. These tanks were a 6000-gallon diesel and two 10,000-gallon gasoline tanks. In June 2006, the tanks were removed under the oversight of the MDE's Oil Control Program. Currently, three monitoring wells and a transient non-community drinking water supply well are located at this inactive facility.

Between April and May 2006, the HCHD sampled several nearby drinking water wells and none had exceedances for petroleum constituents. Currently the Department has two other open cases at the intersection of Rocks Road (MD Route 24) and Jarrettsville Road; Forest Hill Elementary School located at 2407 Rock Road - *Case No. 2006-0878HA*; and the commercial property at 4 East Jarrettsville Road - *Case No. 1991-2228HA*. At this time, the MDE-OCP does not anticipate expanding the off-site residential sampling effort beyond sampling needed to ensure community safety.

Based on the levels of petroleum contaminants, specifically MTBE, in the station's monitoring well network and pursuant to Section 4-411.2 of the Environment Article, Annotated Code of Maryland, the MDE on August 31, 2006 issued a directive letter to the responsible party, and notified the HCHD of petroleum impacts since the site is located in a high-risk groundwater use area.

Chronology

- May 12, 1989. MDE-OCP received a notification of tank removal and new installation for Ernie's Car Care.
 - Three (3) 6,000-gallon steel gasoline UST systems removed.
 - A 2,000-gallon steel diesel UST system removed.
 - No perforations observed and no petroleum contamination noted in the excavation.
 - Three new tanks (two 10,000-gallon steel and a 6,000-gallon steel) to be installed.

- July 24, 1989. MDE-OCP site visit to inspect the newly installed UST systems. Minor issues identified.
- 1989 -1998. MDE-OCP conducted several routine compliance inspections.
 - September 20, 1989.
 - May 17, 1991.
 - November 30, 1995.
 - October 24, 1996.
 - May 29, 1998.
 - July 23, 1998.
- 1989 – 1994. HCHD sampled the stations transient non-community well on several occasions.
- March 5, 1999. MDE-OCP closed *Case no. 1989-1759HA*.
- March 15, 2006. MDE-OCP opened *Case No. 2006-0886HA* after conducting a compliance assistance inspection. Inventory reconciliation records within acceptable parameters. Several issues identified:
 - Install three monitoring wells; Sample the station’s supply well.
 - Test the spill catchment basins;
 - Amend the tank registration form;
 - Submit documentation of material of tank construction; Perform a precision test of the USTs;
 - Ensure proper installation of all tank risers; Properly protect any metal piping in contact with the ground;
- April 24, 2006. MDE-OCP report of observation documenting a telephone conversation with Petro Supply Inc.:
 - Helium test conducted on 04/18/06 – pass with minor repairs;
 - Liquid blockage test on 04/18/06 – failed, repairs scheduled
- May 4, 2006. MDE-OCP received sampling results for the station’s drinking water supply well
 - *Sampling event 04/13/06* Station’s supply well non-detect for petroleum constituents (ND)
- May 19, 2006. MDE-OCP received the results of UST systems testing for the site.
 - Tank tightness test conducted on 04/18/06 – passed
 - Pressure decay test conducted on 4-18-06 - passed
- May 31, 2006. MDE-OCP site visit to observe the installation of three monitoring wells and the evaluation of the UST system. The following items were required:
 - Test the tanks for cathodic protection within 15 days;
 - Retrofit the submersible pumps with containment;
 - Update the MDE registration form within 30 days.
- June 5, 2006. MDE-OCP site visit in response to a call from operator requesting information on sampling requirements for the newly installed monitoring wells.
- June 8, 2006. MDE-OCP received Thirty Day Notification for UST removal of the three USTs.
- June 16-19, 2006. MDE-OCP observed the removal of two 10,000-gallon and one 6,000-gallon cathodically protected USTs. No perforations in the tanks were observed.
- June 26, 2006. MDE-OCP received the *Cathodic Protection Compliance Survey – June 21, 2006*.
 - Tanks met the criteria for cathodic protection survey performed 6/1/06.
 - Flex connectors did not meet the criteria for cathodic protection.

- July 14, 2006. MDE-OCP received the results of the June 28, 2006 groundwater sampling event.
 - MW-1 Benzene at 171 ppb; MTBE at 10,100 ppb
 - MW-2 MTBE at 1 ppb
 - MW-3 MTBE at 64 ppb
- July 17, 2006. MDE-OCP received drinking water sample results collected off-site by HCHD.
 - *April and May 2006 Sampling Event (see Table).*
- August 23, 2006. MDE-OCP received the results of the June 19-20, 2006 tank field and dispenser soil sampling event. Six (6) soil samples collected were below regulatory cleanup levels.
- August 31, 2006. MDE letter to Meller's Food Mart requiring the completion of the following activities:
 - Develop *Interim Corrective Measures* to address MTBE levels, no later than October 4, 2006.
 - Prepare an *Environmental Site Assessment Report*, no later than October 4, 2006.
 - Include a Proposal to delineate the extent of the petroleum contamination.
 - Conduct quarterly sampling of the on-site monitoring wells and semi-annual sampling of the supply well.
- August 31, 2006. MDE-OCP notified HCHD of this new petroleum impact pursuant to the Section 4-411.2 of the Environmental Article, Annotated Code of Maryland, for a regulated facility in a high-risk groundwater use area.
- September 7, 2006. Notification letters mailed to 376 property owners within half-mile radius of the station by HCHD. In addition, a news release was issued by the HCHD on September 7, 2006.
- September 25, 2006. Meller's Food Mart consultant faxed to the MDE-OCP, a request for an extension to complete the tasks outlined in the Department's August 31, 2006 letter.
- September 28, 2006. MDE granted Meller's Food Mart an extension to complete the requirements outlined in the Department's letter dated August 31, 2006, no later than November 2, 2006.
- September 15, 20, 22 and 29, 2006. MDE-OCP received drinking water sample results collected off-site by HCHD during September 2006 (*see Table*).
- October 3, 5, and 13, 2006. MDE-OCP received the results of drinking water sample results collected off-site by a private lab during September 2006.
- October 26, 2006. MDE-OCP received the preliminary *Site Assessment Report – October 23, 2006*.
 - Depth to water table 23 to 26 ft.
 - Groundwater flow direction is southeasterly.
 - September 14, 2006 groundwater sampling event (*see Table*).
- November 13, 2006. MDE-OCP received the results of drinking water sample results collected off-site by HCHD during 2006.
- January 7, 2007. MDE-OCP letter to Meller's Food Mart requiring the completion of the following activities:
 - Submission of a subsurface investigation *Work Plan* by 2/12/07;
 - Submission of a *Corrective Action Plan* by 3/9/07.
- March 7, 2007. MDE received *Report of Monitoring Well Gauging and Sampling*.
 - February 16, 2007 groundwater sampling event (*see Table*).

- March 19, 2007. MDE received drinking water sample results collected off-site by HCHD in July 2006.
- April 4, 2007. MDE received *Sampling Plan Subsurface Investigation – April 4, 2007*, proposing a geoprobe investigation, to include:
 - Thirteen (13) soil borings;
 - Installation of three (3) temporary piezometers for the collection of groundwater samples.
- May 15, 2007. MDE approved the proposed *Subsurface Investigation* with modifications:
 - Locations for the temporary peizometers were selected;
 - All peizometers were to be installed to ten (10) feet below the groundwater interface;
 - Following the subsurface investigation, a *Corrective Action Plan* was to be submitted.
- August 28, 2007. MDE received *Monitoring Wells Report*.
 - July 24, 2007 sampling event (*see Table*).
- August 8, 2007. MDE-OCP letter to property owner at 2423 Rocks Road, requesting permission to sample drinking water well.
- August 30, 2007. MDE-OCP sampled the domestic well at 2423 Rocks Road.
- September 20, 2007. MDE-OCP received the results of the 8/30/07 sampling at 2423 Rocks Road. The well was non-detect for petroleum constituents.
- December 10, 2007. MDE-OCP received *Subsurface Investigation Report – November 29, 2007*.
 - Geoprobe event August 28, 2007 and September 25, 2007;
 - Eleven (11) borings conducted;
 - Four temporary peizometers installed;
 - Groundwater sampling conducted (*see Table*);
 - Sampling of the drinking water supply well on November 15, 2007 was non-detect for petroleum constituents;
 - Six soil samples detected no petroleum constituents above regulatory levels.

Other cases of interest: Case No. 1989-1759HA (closed case)

Future Updates:

- Future updates on this case investigation will be posted at www.mde.state.md.us [at the MDE home page, (select) Land, (select) Program, (select) Oil Control, (select) Remediation Sites].

Contacts:

- Maryland Department of the Environment (MDE) Oil Control Program 410-537-3443
- Harford County Health Department (HCHD) 443-643-0322 and 443-643-0307

Disclaimer

The intent of this fact sheet is to provide the reader a summary of site events as they are contained within documents available to MDE. To fully understand the site and surrounding environmental conditions, MDE recommends that the reader review the case file that is available at MDE through the Public Information Act. The inclusion of a person or company’s name within this fact sheet is for informational purposes only and should not be considered a conclusion by MDE on guilt, involvement in a wrongful act or contribution to environmental damage.

Additional Disclaimer

The groundwater contamination history in the Foresthill area is very complex. The reader should study all historic cases within the Forestville area to better understand the groundwater conditions.

Monitoring Well Sampling Results at Mellers Food Mart located at 2403 Rocks Road, Forest Hill in Harford County

Well Information	Sample Dates	Benzene (MCL –5 ppb)	MTBE (Action Level – 20 ppb)	Other petroleum constituents of concern Ethylbenzene – MCL at 700 ppb Toluene – MCL at 1000 ppb Xylene – MCL at 10,000 ppb
Monitoring Wells				
MW-1 (35 ft.)	6/28/06	171	10,100	---
	9/14/06	264	28,800	TPH/GRO 31,946 ppb
	2/16/07	222	63,840	TPH/GRO 68,316 ppb
	7/24/07	127	82,000	ND
	10/26/07	232	34,000	---
MW-2 (35 ft.)	6/28/06	ND	1	---
	9/14/06	ND	ND	ND
	2/16/07	ND	10.4	ND
	7/24/07	ND	34	---
	10/26/07	ND	ND	ND
MW-3 (36 ft.)	6/28/06	ND	64	---
	9/14/06	ND	109	ND
	2/16/07	ND	114	ND
	7/24/07	ND	41	---
	10/26/07	ND	29.1	ND
TMW-4 (35 ft.)	11/12/07	ND	ND	ND
TMW-5 (35 ft.)	11/12/07	ND	ND	ND
TMW-6 (35 ft.)	11/12/07	ND	21.9	ND
TMW-7 (35 ft.)	11/12/07	477	166	---

Drinking Water Sampling Results for the Forest Hill Area

Sample Location	Sample Date	Petroleum Constituents of Concern		
		Benzene (MCL - 5 ppb)	MTBE (20 ppb – action level)	Other petroleum constituents
Transient Non-Community Supply Wells cont.				
2403 Rocks Road (Meller's Market) new well drilled 1990 (MDE Case No. 06-0886HA)nm	9/27/89	ND	ND	---
	1/11/90	ND	ND	--
	5/7/90	ND	ND	---
	5/15/91	ND	ND	---
	5/16/91	ND	ND	---
	5/23/94	ND	ND	---
	4/27/06	ND	ND	---
	11/15/07	ND	ND	---
2409 Rocks Road (United Methodist Church)	5/4/06	ND	0.57	---
	9/1/06	ND	0.8	---
	9/13/06	ND	0.88	---
2333 Rocks Road (Forest Hill Lighting)	7/19/90	ND	ND	---
	5/23/94	ND	ND	---
2334 Rocks Road (Bank)	7/19/90	ND	ND	---
	4/21/06	ND	ND	---
	9/13/06	ND	ND	---
2335 Rock Spring Rd (Colgate Investments)	4/13/93	ND	ND	---
	4/19/06	ND	ND	---
	9/12/06	ND	ND	---
6 E. Jarrettsville Rd	3/22/91	ND	ND	---
	5/30/91	ND	ND	---
	5/23/94	ND	ND	---
	9/2/04	ND (pre-filtration) ND (post-filtration)	0.92 (pre-filtration) ND (post-filtration)	---
	4/21/06	ND	1.22	---
	9/11/06	ND	ND	---
14 E. Jarrettsville Rd (Benfield Electric)	3/2/91	ND	ND	---
	5/23/94	ND	ND	---
	9/15/06	ND	0.67	---
15 E. Jarrettsville Rd (Forest Hill Station)	9/14/06	ND	ND	---
17 E. Jarrettsville Rd (Benfield Electric)	3/18/91	ND	ND	---
	5/31/06	ND	ND	---
	9/11/06	ND	ND	---
18 E. Jarrettsville Rd (Benfield Electric)	4/21/06	ND	0.75	---
	9/13/06	ND	0.51	---
20 E. Jarrettsville Rd (Benfield Electric)	10/6/81	18	ND	---
	10/27/81	37	ND	---
	1/7/82	22	ND	---
	5/23/94	ND	ND	---
27 E. Jarrettsville Rd (Bel Air Fire Dept.)	3/22/91	ND	ND	---
	4/21/06	ND	0.63	---
	9/15/06	ND	ND	---
6 W. Jarrettsville Rd (Vet Clinic)	4/27/06	ND	ND	---
	9/11/06	ND	0.5	---

Drinking Water Sampling Results at Forest Hill Elementary School – 2407 Rocks Road (Case No. 08-0878HA)

Date Sampled	Sample ID	Sampled by	Constituents detected in the Drinking Water Samples				
			Benzene Maximum Contaminant Level - 5 ppb	Tetrachloroethene (PCE) Maximum Contaminant Level - 5 ppb	1,2 Dichloroethane (1,2-DCA) Maximum Contaminant Level - 5 ppb	Methylene chloride Unregulated compound	MTBE (20 ppb) State's Action Level - 5 ppb
02/11/91	Boys bathroom	MDE-WMA	ND	0.6	ND	ND	(not tested) ----
05/06/92	Old Well	MDE-WMA	ND	0.2	ND	ND	----
03/23/94	Boiler Room	MDE-WMA	ND	ND	ND	ND	----
04/18/94	Well	HCBOE	ND	ND	ND	ND	----
02/02/95	Influent	MDE-WMA	ND	ND	ND	ND	ND
03/26/96	Influent	MDE-WMA	ND	ND	ND	ND	ND
03/25/97	Influent	MDE-WMA	ND	ND	1	ND	0.8
05/22/97	Influent	MDE-WMA	ND	ND	0.7	ND	1
09/25/97	Influent	HCBOE	ND	ND	ND	ND	----
08/21/00	Influent	HCBOE	ND	ND	ND	ND	ND
01/23/02	Influent	MDE-WMA	ND	ND	ND	ND	0.8
04/10/02	Influent	MDE-WMA	ND	ND	ND	ND	1.2
07/08/02	Influent	MDE-WMA	ND	ND	ND	ND	ND
11/12/02	Influent	MDE-WMA	ND	ND	ND	ND	1.2
12/09/03	Influent	MDE-WMA	ND	ND	ND	ND	ND
07/13/04	Influent	MDE-WMA	ND	ND	ND	ND	1.8
05/25/05	Influent	MDE-WMA	ND	ND	ND	ND	4.8
03/06/06	Influent	MDE-WMA	ND	ND	ND	5	13.7
04/17/06	Influent	MDE-WMA	ND	ND	ND	ND	1.8
04/17/06	Well 2	MDE-WMA	ND	ND	ND	ND	13.3
04/17/06	Well 1	MDE-WMA	ND	ND	ND	ND	20.6
08/17/06	Well 2	HCBOE	ND	ND	ND	ND	66.5
08/17/06	Well 1	HCBOE	ND	ND	ND	ND	101.7
08/23/06	Kitchen	HCBOE	ND	ND	ND	ND	85.6
08/23/06	Well 1	HCBOE	ND	ND	ND	ND	155.8
08/23/06	Well 2	HCBOE	ND	ND	ND	ND	62.7
8/30/06	Well 1	MDE-WMA	ND	ND	ND	ND	175
8/30/06	Well 2	MDE-WMA	ND	ND	ND	ND	95.6
8/30/06	Basement	MDE-WMA	ND	ND	ND	ND	88.1
10/30/06	Influent	MDE-WMA	ND	ND	ND	ND	186.8
10/30/06	Tractor Shed	MDE-WMA	ND	ND	ND	ND	1.4
10/30/06	Final Treatment	MDE-WMA	ND	ND	ND	ND	13
10/30/06	Final Treatment	MDE-WMA	ND	ND	ND	ND	25
10/30/06	After Tank #1	MDE-WMA	ND	ND	ND	ND	ND
10/30/06	After Tank #2	MDE-WMA	ND	ND	ND	ND	ND

Drinking Water Sampling Results at Forest Hill Elementary School – 2407 Rocks Road (Case No. 08-0878HA)

cont.

Date Sampled	Sample ID	Sampled by	Constituents detected in the Drinking Water Samples				
			Benzene Maximum Contaminant Level - 5 ppb	Tetrachloroethene (PCE) Maximum Contaminant Level - 5 ppb	1,2 Dichloroethane (1,2-DCA) Maximum Contaminant Level - 5 ppb	Methylene chloride Unregulated compound	MTBE (20 ppb) State's Action Level - 5 ppb
11/1/06	Influent	HCBOE	ND	ND	ND	ND	125
	After Tank #1		ND	ND	ND	ND	ND
	After Tank #2		ND	ND	ND	ND	ND
	Effluent		ND	ND	ND	ND	25
11/3/06	Influent	HCBOE	ND	ND	ND	ND	148
	After Tank #1		ND	ND	ND	ND	ND
	After Tank #2		ND	ND	ND	ND	ND
	Effluent		ND	ND	ND	ND	13
11/7/06	Influent	HCBOE	ND	ND	ND	ND	124
	After Tank #1		ND	ND	ND	ND	ND
	After Tank #2		ND	ND	ND	ND	ND
	Effluent		ND	ND	ND	ND	5.8
11/8/06	Influent	HCBOE	ND	ND	ND	ND	107
	After Tank #1		ND	ND	ND	ND	ND
	After Tank #2		ND	ND	ND	ND	ND
	Effluent		ND	ND	ND	ND	5.2
11/10/06	Influent	HCBOE	ND	ND	ND	ND	96
	After Tank #1		ND	ND	ND	ND	ND
	After Tank #2		ND	ND	ND	ND	ND
	Effluent		ND	ND	ND	ND	2.1
11/13/06	Influent	HCBOE	ND	ND	ND	ND	144
	After Tank #1		ND	ND	ND	ND	ND
	After Tank #2		ND	ND	ND	ND	ND
	Effluent		ND	ND	ND	ND	2.1
11/29/06	Effluent	HCBOE	ND	ND	ND	ND	ND
12/1/06	Water Fountain	HCBOE	ND	ND	ND	ND	ND
	Kitchen Sink		ND	ND	ND	ND	ND
	Teacher's Lounge		ND	ND	ND	ND	ND
	Class # 128		ND	ND	ND	ND	ND
	Class # 154		ND	ND	ND	ND	ND
	Class # 230		ND	ND	ND	ND	ND
	Class # 213		ND	ND	ND	ND	ND
1/2/07	Influent	HCBOE	ND	ND	ND	ND	110
	After Tank #1		ND	ND	ND	ND	ND
	Effluent		ND	ND	ND	ND	ND
2/1/07	Influent	HCBOE	ND	ND	ND	ND	135
	After Tank #1		ND	ND	ND	ND	7.3
	Effluent		ND	ND	ND	ND	ND
3/1/07	Influent	HCBOE	ND	ND	ND	ND	177
	After Tank #1		ND	ND	ND	ND	ND
	After Tank #2		ND	ND	ND	ND	ND
	Effluent		ND	ND	ND	ND	ND
6/7/07	Raw water	HCBOE	ND	ND	ND	ND	139
	After Tank #1		ND	ND	ND	ND	45
	Effluent		ND	ND	ND	ND	ND
6/20/07	After Tank #1	HCBOE	ND	ND	ND	ND	43
	After Tank #2		ND	ND	ND	ND	ND
7/12/07	Influent	HCBOE	ND	ND	ND	ND	133
	After Tank #1		ND	ND	ND	ND	35
	After Tank #2		ND	ND	ND	ND	ND
	Effluent		ND	ND	ND	ND	ND
8/6/07	Influent	HCBOE	ND	ND	ND	ND	108
	After Tank #1		ND	ND	ND	ND	ND
	After Tank #2		ND	ND	ND	ND	ND
	Effluent		ND	ND	ND	ND	ND
10/4/07	Influent	HCBOE	ND	ND	ND	ND	236
	After Tank #1		ND	ND	ND	ND	4.7
	After Tank #2		ND	ND	ND	ND	ND
	Effluent		ND	ND	ND	ND	ND
11/15/07	Influent	HCBOE	ND	ND	ND	ND	302
	After Tank #1		ND	ND	ND	ND	ND
	Effluent		ND	ND	ND	ND	ND

Drinking Water Samples Collected from Forest Hill Elementary School cont.

Date Sampled	Sample ID	Sampled by	Constituents detected in the Drinking Water Samples				
			Benzene Maximum Contaminant Level - 5 ppb	Tetrachloroethene (PCE) Maximum Contaminant Level - 5 ppb	1,2 Dichloroethane (1,2-DCA) Maximum Contaminant Level - 5 ppb	Methylene chloride Unregulated compound	MTBE (20 ppb) State's Action Level - 5 ppb
12/6/07	Influent	HCBOE	ND	ND	ND	ND	261
	After Tank #1		ND	ND	ND	ND	3.2
	After Tank #2		ND	ND	ND	ND	ND
	Effluent		ND	ND	ND	ND	ND
1/3/08	Influent	HCBOE	ND	ND	ND	ND	237
	After Tank #1		ND	ND	ND	ND	ND
	After Tank #2		ND	ND	ND	ND	ND
	Effluent		ND	ND	ND	ND	ND

Drinking Water Sampling Results in the Forest Hill Area

Sample Location	Sample Date	Petroleum Constituents of Concern		
		Benzene (MCL - 5 ppb)	MTBE (20 ppb – action level)	Other petroleum constituents Naphthalene (action level – 10 ppb) 1,2-dichloroethane or 1,2 DCA (MCL - 5 ppb)
Transient Non-Community Supply Wells				
4 E. Jarrettsville Rd (Office Building) Case No. 91-2228HA)	3/21/93	150	Not sampled	---
	5/15/95	164	ND	Naphthalene - 31 ppb; 1,2DCA - 25 ppb (pre-filtration)
	5/16/91	160	ND	Naphthalene - 39 ppb; 1,2DCA - at 9 ppb (pre-filtration)
	5/23/94	291	ND	Naphthalene - 37 ppb; 1,2DCA - 18 ppb (pre-filtration)
	11/15/95	ND (post-filtration)	ND (post-filtration)	---
	11/13/96	1130 (pre-filtration) ND (post-filtration)	ND (pre-filtration) ND (post-filtration)	Naphthalene - 111 ppb; 1,2DCA - 65 ppb (pre-filtration)
	4/4/97	1100 (pre-filtration) ND (post-filtration)	Not sampled	---
	11/4/99	253 (pre-filtration) ND (post-filtration)	ND (pre-filtration) ND (post-filtration)	Naphthalene - 56 (pre-filtration)
	3/22/00	274 (pre-filtration) ND (post-filtration)	ND (pre-filtration) ND (post-filtration)	Naphthalene - 25 ppb; 1,2DCA - 13 ppb (pre-filtration)
	10/18/01	276 (pre-filtration) ND (post-filtration)	ND (pre-filtration) ND (post-filtration)	Naphthalene - 44.7 (pre-filtration)
	6/27/05	944 (pre-filtration) ND (post-filtration)	ND (pre-filtration) ND (post-filtration)	Naphthalene - 113 ppb; 1,2DCA - 28 ppb (pre-filtration)
	10/28/05	1190 (pre-filtration) ND (post-filtration)	ND (pre-filtration) ND (post-filtration)	Naphthalene - 88 ppb; 1,2DCA - 52 ppb (pre-filtration)
	3/20/06	1080 (pre-filtration) ND (post-filtration)	ND (pre-filtration) ND (post-filtration)	Naphthalene - 111 ppb; 1,2DCA - 52 ppb (pre-filtration)
	4/26/06	ND (post-filtration)	ND (post-filtration)	---
	8/25/06	1050 (pre-filtration) ND (post-filtration)	ND (pre-filtration) ND (post-filtration)	Naphthalene - 97 ppb; 1,2DCA - 43 ppb (pre-filtration)
	4/20/07	1430 (pre-filtration) ND (post-filtration)	ND (pre-filtration) ND (post-filtration)	Naphthalene – 117 ppb; 1,2DCA – 49 ppb (pre-filtration)
11/14/07	973 (pre-filtration) ND (post-filtration)	ND (pre-filtration) ND (post-filtration)	Napthalene – 102 ppb; 1,2-DCA – 43 ppb (pre-filtration)	
Private Well Sampling Results				
2308 Rockspring Road	9/5/06	ND	ND	---
2408 Rocks Rd	9/27/06	ND	1.43	---
2410 Rocks Rd	9/12/06	ND	6.17	---
2411 Rocks Rd	9/12/06	ND	3.7	---
2413 Rocks Rd	9/13/06	ND	3.76	---
2417 Rocks Rd	9/8/06	ND	ND	---
2422 Rocks Rd	10/6/06	ND	9.42	---
2423 Rocks Rd	5/22/06	ND	0.54	---
	9/14/06	ND	0.57	---
	8/30/07	ND	ND	---
2424 Rocks Rd	9/14/06	ND	ND	---
2425 Rocks Rd	5/22/06	ND	4.74	---
	9/14/06	ND	5.91	---
2426 Rocks Rd	9/12/06	ND	ND	---
2443 Rocks Rd	4/27/06	ND	ND	---
	9/20/06	ND	ND	---

Drinking Water Sampling Results in the Forest Hill Area

Sample Location	Sample Date	Petroleum Constituents of Concern		
		Benzene (MCL - 5 ppb)	MTBE (20 ppb - action level)	Other petroleum constituents
Private Well Sampling Results				
8 E. Jarrettsville Rd	3/22/91	ND	ND	---
	5/15/91	ND	ND	---
	5/23/94	ND	ND	---
	4/24/06	ND	ND	---
	9/13/06	ND	0.87	---
10 E. Jarrettsville Rd	3/22/91	ND	ND	---
	5/15/91	ND	ND	---
	5/23/94	ND	ND	---
	7/20/06	ND	ND	---
22 E. Jarrettsville Rd	3/18/91	ND	ND	---
	4/21/06	ND	1.31	---
	9/15/06	ND	1.40	---
28 E. Jarrettsville Rd	9/11/06	ND	ND	---
30 E Jarrettsville Rd	10/6/06	ND	0.71	---
30 B E. Jarrettsville Rd	10/5/06	ND	ND	---
30 C E. Jarrettsville Rd	9/7/06	ND	ND	---
34 E. Jarrettsville Rd	3/22/91	ND	ND	---
	9/21/06	ND	ND	---
38 E. Jarrettsville Rd	9/21/06	ND	ND	---
40 E. Jarrettsville Rd	10/18/06	ND	1.57	---
51 E. Jarrettsville Rd	9/7/06	ND	ND	---
8 W. Jarrettsville Rd	9/13/06	ND	0.94	---
9 W. Jarrettsville Rd	9/7/06	ND	ND	---
11 W. Jarrettsville Rd	10/30/06	ND	9.46	---
17 W. Jarrettsville Rd	9/13/06	ND	ND	---
101 W. Jarrettsville Rd	9/14/06	ND	ND	---
103 W. Jarrettsville Rd	9/14/06	ND	ND	---
106 Zachary Ct	9/12/06	ND	ND	---
108 Zachary Ct	4/24/06	ND	ND	---
	9/14/06	ND	ND	---
111 Zachary Ct	9/7/06	ND	ND	---
2644 Bailey Rd	9/12/06	ND	ND	---
2403 Grable Ct.	7/16/06	ND	0.81	---
2407 Grable Ct.	9/14/06	ND	ND	---
10 Chestnut Hill Rd	9/5/06	ND	ND	---
2550 Flora Meadows Drive	9/13/06	ND	ND	---
2570 Flora Meadows Drive	9/11/06	ND	ND	---
2426 Edwards Manor Rd	9/5/06	ND	ND	---

Drinking Water Sampling Results in the Forest Hill Area

Sample Location	Sample Date	Petroleum Constituents of Concern		
		Benzene (MCL - 5 ppb)	MTBE (20 ppb – action level)	Other petroleum constituents
Private Well Sampling Results				
306 Whetstone Rd	10/5/06	ND	ND	---
307 Whetstone Rd	10/2/06	ND	ND	---
311 Whetstone Rd	9/13/06	ND	1.07	---
2507 Ridgeview Drive	10/13/06	ND	ND	---