

MARYLAND DEPARTMENT OF THE ENVIRONMENT
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Reese Property (former Snyder Property)
4 E. Jarrettsville Road, Forest Hill
Harford County, Maryland
MDE Case No. 1991-2228HA

The Maryland Department of the Environment (MDE), Oil Control Program (OCP), in coordination with the Harford County Health Department (HCHD), continues to evaluate petroleum impacts at the commercial property located at 4 E. Jarrettsville Road located in Harford County. Sampling of the on-site drinking water supply well in May 1991 detected several petroleum constituents [benzene at 164 parts per billion (ppb), 1,2-dichloroethane (1,2DCA) at 25 ppb, and naphthalene at 29 ppb]. Bottled water was provided to the tenants until the supply well was retrofitted with a granular activated carbon (GAC) filtration system treatment system in 1994.

Benzene and naphthalene are generally found as major components of fuels and in the production of petroleum based products such as synthetic materials (e.g., plastics, rubber, nylon) and consumer products (e.g. insecticides and paints). 1,2 DCA is a petroleum constituent formerly used to remove lead deposits from engines. The Maximum Contaminant Level (MCL) for benzene is 5 ppb; and 1,2DCA is 5 ppb. The action level for naphthalene is 10 ppb.

In September 1991, two gasoline steel underground storage tanks (USTs) were removed. One of the USTs still contained liquid, which was pumped out prior to removal. A monitoring well was installed on site in June 1993. In October 1996, an improperly abandoned 550-gallon steel gasoline UST was found in the roadway in front of the property during road-widening activities. The UST, as well as the residual liquid inside, was removed.

Currently the commercial property located at 4 East Jarrettsville Road houses office suites for small businesses. There are no registered underground storage tanks on the premises. The current property owner performs regular maintenance and sampling of the GAC system on a semi-annual basis.

The site is located in a groundwater area served by private wells. Between April and May 2006, the HCHD sampled several nearby drinking water wells. There were no exceedances for petroleum constituents. Currently the Department has two additional 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 former gas station Mellers's Food Mart/ Sunoco located at 2403 Rocks Road - *Case No. 2006-0886*. At this time, the MDE-OCP does not anticipate expanding the off-site residential sampling effort beyond sampling needed to ensure community safety.

Chronology:

- 1991: Drinking water supply well sampling and UST removal.
 - May 21, 1991. MDE-OCP met with the tenant at the property to discuss the results of the May 15, 1991 sampling event. Sampling indicated benzene at 164 parts per billion (ppb), naphthalene at 31 ppb, and 1,2-dichloroethane at 25 ppb. MDE to begin an investigation of potential improperly abandoned UST systems on-site.
 - May 30, 1991. MDE-OCP site visit to collect a confirmatory sample from the domestic supply well; to perform a soil gas; and to locate any improperly abandoned UST systems (metal detector).
 - Two suspected improperly abandoned USTs were located along East Jarrettsville Road
 - June 12, 1991. MDE-OCP site visit to obtain field screen readings from the soils from the two suspected improperly abandoned USTs. The property owner was required to:
 - Place filtration on the domestic supply well; and

- Begin an investigation to determine if USTs exist in the area identified by the metal detector.
 - June 7, 1991. HCHD letter to the tenant outlining the results of the May 15, 1991 sampling event.
 - June 18, 1991. HCHD letter to the property owner giving him the option to place a GAC filtration system on the well or drill a new well.
 - June 19, 1991. HCHD letter to the property owner clarifying that that a GAC filtration system either be placed on the existing well or drill a new well. Bottled water was only a temporary measure .
 - June 21, 1991. MDE-OCP received notification of planned work to investigation possible USTs on-site.
 - August 12, 1991. MDE-OCP received notification that bottled water will be provided to the tenants.
 - September 3, 1991. MDE-OCP received notification of the pending removal of USTs.
 - September 12, 1991. MDE-OCP on-site to witness the removal of two (2) unregistered steel gasoline UST systems. No obvious perforations in the USTs. Impacted soil observed. Soils were utilized as backfill and a monitoring well was required.
 - November 6, 1991. MDE-OCP received the results of an area *Groundwater Review – November 6, 1991*, conducted by HCHD.
 - HCHD identified six (6) other locations within the intersection that have or have had USTs.
 - HCHD overview of current and historic sampling results for fifteen wells within the intersection.
- 1992: Monitoring well installation. Continued groundwater sampling.
 - January 29, 1992. MDE-OCP case update, bottled water currently provided to all tenants.
 - July 15, 1992. MDE-OCP site visit revealed that the required monitoring well had not been installed.
 - September 21, 1992. MDE-OCP issued Notice of Violation NV-93-032 to the property owner requiring the proper installation and sampling of one (1) monitoring well.
 - 1993: Continued groundwater monitoring.
 - May 12, 1993. MDE-OCP contacted the property owner to determine why the required monitoring well had not been installed.
 - September 30, 1993. MDE-OCP received the results of the 06/11/93 monitoring well sampling event.
 - 1994: Continued groundwater monitoring.
 - May 11, 1994. HCHD required the property owner to install GAC filtration system on the well.
 - June 27, 1994. Letter from the property owner to HCHD requesting permission to drill a new well.
 - July 22, 1994. Letter from the property owner to HCHD requesting clarification for the new well and providing information from a filtration company citing concerns that carbon would not address all contaminants in the well.
 - July 25, 1994. HCHD letter to the property owner explaining MDE-review procedures for drilling new wells in an area of known petroleum contamination.
 - August 10, 1994. HCHD provided the property owner a list of water treatment companies.
 - October 20, 1994. MDE-OCP received the results of an area *Groundwater Review – October 20, 1994*, containing the results of area sampling conducted by HCHD in May 1994.
 - December 20, 1994. MDE-OCP received the results of the 11/14/94 monitoring well sampling event.
 - 1995: Continued groundwater monitoring.
 - January 11, 1995. HCHD letter to the property owner indicating that post-treatment sampling, collected 11/15/94, was non-detect for petroleum constituents.
 - July 10, 1995. MDE received the results of the 4/18/95 monitoring well sampling event.
 - 1996: Continued groundwater monitoring and an unregistered UST removed.
 - October 1996. MDE-OCP received the *Phase I Environmental Assessment of 4 East Jarrettsville Road – October 1996*. The report concluded that there were no additional USTs on-site and that the well water should continue to be monitored by MDE.

- October 21, 1996. MDE-OCP inspected a UST located during a road-widening project. The tank was in a location adjacent to the USTs removed in September 1996. MDE-OCP opened *Case No. 1997-0764HA*.
 - October 24, 1996. MDE-OCP removed an improperly abandoned unregistered 550-gallon steel gasoline UST in the SHA right of way. No perforations were noted in the tank. Contamination was noted in the soils. Soils were used as backfill.
 - November 12, 1996. MDE-OCP closed *Case No. 1997-0764HA*.
 - November 14, 1996. HCHD letter to the new property owners noting that the hand-dug well servicing the building was impacted with VOCs and any *Use and Occupancy permits* would be held until proper filtration was placed on the well.
 - November 19, 1996. MDE-OCP received a fax from HCHD with the analytical data for the supply well, collected 11/13/96. In addition to testing of the treated water the new property owners would continue to provide bottled water to their tenants.
 - November 29, 1996. MDE-OCP received notification from the former property owner that he had sold the building. The former property owner forwarded a copy of the letter to the current property owners “Gold Crest Investments”.
 - November 29, 1996. MDE-OCP received analytical data for the on-site supply well, collected 11/13/96.
- 1997: Continued groundwater monitoring.
 - April 28, 1997. MDE-OCP received analytical data for the drinking water supply well, collected 4/4/97.
 - December 5, 1996. MDE-OCP received analytical data for the drinking water supply well, collected 10/1/97 and 11/10/97, from the current property owner.
 - Carbon canisters changed.
 - December 12, 1997. MDE-OCP letter to the current property owner requesting that the monitoring well on-site be sampled for BTEX and MTBE.
 - December 12, 1997. MDE-OCP letter apprising the HCHD of recent requirements to sample the monitoring well at the subject site.
- 1998: Continued groundwater monitoring.
 - February 6, 1998. MDE-OCP received a request for a 90-day extension to sample the monitoring well.
 - February 25, 1998. MDE-OCP letter to the current property owner granting a 90-day extension to sample the well.
 - April 23, 1998. HCHD *Acknowledgement and Understanding Form* letter to the owner of 6 E Jarrettsville Rd. The letter required the property owner to sign this form prior to the HCHD granting permission to drill a new well.
 - May 6, 1998. MDE-OCP received the *Monitoring Well Sampling – May 4, 1998*, sampling results for the on-site monitoring well.
 - May 11, 1998. MDE-OCP received analytical data for the drinking water supply well, collected 4/9/98.
 - May 29, 1998. MDE-OCP site visit in response to recent MTBE levels in the monitoring well. Well was bailed and would be re-sampled.
 - June 5, 1998. MDE-OCP met with the property owner to discuss the drilling of a new well.
 - September 17, 1998. HCHD letter to the current property owner in reference to a *Well Permit Application* requesting more site information prior to considering permitting the new well.
 - November 20, 1998. HCHD letter to MDE requesting review of the proposal for a new well.
 - November 24, 1998. MDE-OCP received a letter from the property owner requesting that MDE contact HCHD regarding the drilling of a new well.
 - December 11, 1998. MDE-OCP letter to the property owner approving proposed well locations and requiring that the well be fitted with double –steel casing in the uppermost part to protect the well against infiltration of near-surface contamination.
- 1999: Continued groundwater monitoring and attempt to drill a new well.

- March 18, 1999. HCHD *Acknowledge and Understanding Form* letter to the property owner. The letter required the property owner sign this form prior to the HCHD granting permission to drill a new well.
 - June 10, 1999. HCHD supervised the drilling of a potential domestic well for the property. The event was abandoned upon drilling 300' and not finding water.
- 2000: Continued groundwater monitoring.
 - January 20, 2000. MDE-OCP received analytical data for the supply well, collected 11/4/99.
 - April 17, 2000. MDE-OCP received analytical data for the supply well, collected 3/22/00.
 - July 21, 2000. MDE-OCP site visit to check the monitoring well. Faint petroleum odors were detected in the well, no visible sheen. A storm water management drain had been installed in close proximity to the monitoring well.
 - 2002: Continued groundwater monitoring.
 - April 29, 2002. MDE-OCP site visit to verify the continued presence of the GAC system.
 - May 2, 2002. MDE-OCP site visit to check the status of the GAC system. MDE was informed that bottled water in addition to carbon filtration is still being maintained for the building. MDE-OCP received raw and treated testing data for the drinking water supply well, collected 10/18/01.
 - 2005: Continued groundwater monitoring:
 - August 8, 2005. MDE-OCP received raw and treated testing data for the drinking water supply well, collected 6/27/05.
 - August 30, 2005. MDE-OCP conversation with a representative for the current property owner requiring the continued sampling of the domestic well twice a year due to elevated levels of benzene.
 - October 28, 2005. MDE-OCP site visit to sample the monitoring well.
 - November 28, 2005. MDE-OCP received the results of the 10/28/05 sampling event.
 - December 1, 2005. MDE-OCP received analytical data for the supply well, collected 10/28/05.
 - December 8, 2005. MDE-OCP letter to the property owner summarizing the case history and recommending the removal of petroleum impacted soils in the area of the domestic well.
 - January 18, 2006. MDE-OCP received a letter from the property owner requesting clarification of the recommendation to remove soil.
 - January 27, 2006. MDE-OCP clarification via email of the questions regarding soil removal.
 - April 10, 2006. MDE-OCP received notification of an off-site MTBE impact at the Forest Hill Elementary School (13.6 ppb).
 - April 17, 2006. MDE-OCP received analytical data for the drinking water supply well, collected 3/20/06.
 - September 14, 2006. MDE-OCP received analytical data for the drinking water supply well, collected 8/25/06.
 - September 15, 20, 22 and 29, 2006. MDE-OCP received drinking water sample results collected off-site by HCHD during September 2006.
 - October 5, 2006. MDE-OCP received the results of drinking water sample results collected off-site by a private lab during September 2006.
 - November 13, 2006. MDE-OCP received the results of drinking water sample results collected off-site by HCHD during 2006.

- March 19, 2007. MDE received drinking water sample results collected off-site by HCHD in July 2006.
- May 24, 2007. MDE-OCP received analytical data for the drinking water supply well, collected 4/20/07 (*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 24, 2007. MDE-OCP contacted the property owner to request submission of the most recent drinking water supply well sampling results.
- December 27, 2007. MDE-OCP received analytical data for the drinking water supply well, collected 11/14/07 (*see Table*).

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) at 443-643-0322 or 443-643-0321

Other Related Cases:

- UST Removal – 4 E. Jarrettsville Road, MDE Case No. 97-0764HA (*closed*)

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 Forest Hill 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 for 4 E. Jarrettsville Pike

Well Information	Sample Dates	Benzene (MCL – 5 ppb)	MTBE (Action Level – 20 ppb)	Other petroleum constituents of concern <i>Ethylbenzene – MCL at 700 ppb</i> <i>Toluene – MCL at 1000 ppb</i> <i>Xylene – MCL at 10,000 ppb</i>
MW-1 (HA-92-0879) 34.5 ft.				
	6/11/93	2710	Not sampled (NS)	Ethylbenzene at 1310 Toluene at 9300
	11/14/94	3110	ND	Ethylbenzene at 1830 ppb Toluene at 5040 ppb Xylene at 15620 ppb Naphthalene at 610 ppb
	4/18/95	2760	ND	Ethylbenzene at 2160 ppb Toluene at 4800 ppb Xylene at 12300 ppb Naphthalene at 616 ppb
	4/24/98	4500	210	Ethylbenzene at 1200 Toluene at 8000 Xylene at 13000
	10/28/05	1351	ND	Toluene at 2794 1,2-dichloroethane at 15.6 Naphthalene at 542 ppb

Drinking Water Sampling Results for 4 E. Jarrettsville Road

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				
4 E. Jarrettsville Rd (Office Building)	3/21/93	150	Not sampled	---
	5/15/95	164	ND	Naphthalene at 31 ppb 1,2-dichloroethane at 25 ppb (pre-filtration)
	5/16/91	160	ND	Naphthalene at 39 ppb 1,2-dichloroethane at 9 ppb (pre-filtration)
	5/23/94	291	ND	Naphthalene at 37 ppb 1,2-dichloroethane at 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 at 111 ppb 1,2-dichloroethane at 65 ppb (pre-filtration)
	4/4/97	1100 (pre-filtration) ND (post-filtration)	Not sampled	---
	4/9/98	825 (pre-filtration) ND (post-filtration)	ND (pre-filtration) ND (post-filtration)	Naphthalene at 447 ppb (pre-filtration)
	11/4/99	253 (pre-filtration) ND (post-filtration)	ND (pre-filtration) ND (post-filtration)	Naphthalene at 56 ppb (pre-filtration)
	3/22/00	274 (pre-filtration) ND (post-filtration)	ND (pre-filtration) ND (post-filtration)	Naphthalene at 25 ppb 1,2-dichloroethane at 13 ppb (pre-filtration)
	10/18/01	276 (pre-filtration) ND (post-filtration)	ND (pre-filtration) ND (post-filtration)	Naphthalene at 44.7 (pre-filtration)
	6/27/05	944 (pre-filtration) ND (post-filtration)	ND (pre-filtration) ND (post-filtration)	Naphthalene at 113 ppb 1,2-dichloroethane at 28 ppb (pre-filtration)
	10/28/05	1190 (pre-filtration) ND (post-filtration)	ND (pre-filtration) ND (post-filtration)	Naphthalene at 88 ppb 1,2-dichloroethane at 52 ppb (pre-filtration)
	3/20/06	1080 (pre-filtration) ND (post-filtration)	ND (pre-filtration) ND (post-filtration)	Naphthalene at 111 ppb 1,2-dichloroethane at 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 at 97 ppb 1,2-dichloroethane at 43 ppb (pre-filtration)
	4/20/07	1430 (pre-filtration) ND (post-filtration)	ND (pre-filtration) ND (post-filtration)	Naphthalene at 117 ppb 1,2-dichloroethane at 49 ppb (pre-filtration)
11/14/07	972 (pre-filtration) ND (post-filtration)	ND (pre-filtration) ND (post-filtration)	Naphthalene at 102 ppb 1,2-dichloroethane at 43 ppb (pre-filtration)	

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 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
11/1/06	Influent After Tank #1 After Tank #2 Effluent	HCBOE	ND ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND ND	125 ND ND 25
11/3/06	Influent After Tank #1 After Tank #2 Effluent	HCBOE	ND ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND ND	148 ND ND 13
11/7/06	Influent After Tank #1 After Tank #2 Effluent	HCBOE	ND ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND ND	124 ND ND 5.8
11/8/06	Influent After Tank #1 After Tank #2 Effluent	HCBOE	ND ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND ND	107 ND ND 5.2
11/10/06	Influent After Tank #1 After Tank #2 Effluent	HCBOE	ND ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND ND	96 ND ND 2.1
11/13/06	Influent After Tank #1 After Tank #2 Effluent	HCBOE	ND ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND ND	144 ND ND 2.1
11/29/06	Effluent	HCBOE	ND	ND	ND	ND	ND
12/1/06	Water Fountain Kitchen Sink Teacher's Lounge Class # 128 Class # 154 Class # 230 Class # 213	HCBOE	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND	ND ND ND ND ND ND ND
1/2/07	Influent After Tank #1 Effluent	HCBOE	ND ND ND	ND ND ND	ND ND ND	ND ND ND	110 ND ND
2/1/07	Influent After Tank #1 Effluent	HCBOE	ND ND ND	ND ND ND	ND ND ND	ND ND ND	135 7.3 ND
3/1/07	Influent After Tank #1 After Tank #2 Effluent	HCBOE	ND ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND ND	177 ND ND ND
6/7/07	Raw water After Tank #1 Effluent	HCBOE	ND ND ND	ND ND ND	ND ND ND	ND ND ND	139 45 ND
6/20/07	After Tank #1 After Tank #2	HCBOE	ND ND	ND ND	ND ND	ND ND	43 ND
7/12/07	Influent After Tank #1 After Tank #2 Effluent	HCBOE	ND ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND ND	133 35 ND ND
8/6/07	Influent After Tank #1 After Tank #2 Effluent	HCBOE	ND ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND ND	108 ND ND ND
10/4/07	Influent After Tank #1 After Tank #2 Effluent	HCBOE	ND ND ND ND	ND ND ND ND	ND ND ND ND	ND ND ND ND	236 4.7 ND ND
11/15/07	Influent After Tank #1 Effluent	HCBOE	ND ND ND	ND ND ND	ND ND ND	ND ND ND	302 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

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	---