

MARYLAND DEPARTMENT OF THE ENVIRONMENT

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Drinking Water Well Impact and Groundwater Investigation

Fruhling Residence

3878 Old Federal Hill Road

Jarrettsville, Harford County, Maryland

Case No. 1988-1130HA

The Maryland Department of the Environment (MDE), Oil Control Program (OCP) continues to evaluate petroleum impacts to the drinking water at 3878 Old Federal Hill Road in Jarrettsville. The State became involved in September 1980, when a neighbor located at 3880 Old Federal Hill Road complained of gasoline contaminants in their drinking water. The Harford County Health Department (HCHD) obtained samples in June 1980. The Department of Health and Mental Hygiene (DHMH), Environmental Health Administration (EHA) observed a storefront and a residence in the rear of the property. Two 1,000 gallon underground storage tanks (USTs) and gasoline pumps were associated with the store and a 550 gallon kerosene UST and pump on the side of the building.

Subsequently, the State conducted soil borings throughout the Fruhling property and detected explosive readings in the vicinity of the gasoline USTs and pump island. In October 1980, an explosion occurred at the subject property and the owner was severely burned and later died from his injuries. The Harford County Fire Marshall determined that gasoline vapors from the basement sump pump ignited and caused the explosion. In November 1980, DHMH-EHA personnel detected liquid phase product (LPH) in the onsite drinking water well. The Department of Natural Resources Water Resource Administration (DNR-WRA) issued Creswell Oil, fuel supplier, a *Notice of Violation, C-81-177*, to initiate removal of gasoline from the supply water well. In April 1981, a new drinking water well was installed and contractors pumped untreated groundwater from the old drinking water well onto the ground until January 1988. In January 1988, a neighbor complained to the MDE-OCP about the untreated discharged water. Following the MDE-OCP site visit, the Department issued *Site Complaint, SC-OV-0299*, to Mrs. Fruhling, property owner at 3878 Old Federal Hill Road, to stop pumping and discharging untreated water to the ground.

On October 1988, the MDE OCP assumed responsibility for this case and financed the removal of the gasoline and kerosene USTs. No perforations were observed. Mrs. Fruhling indicated that the dispensers had leaked and gasoline had accumulated in the bottom of the dispenser pump. Mrs. Fruhling didn't remember when the leak occurred, but indicated that Creswell Oil Company repaired the leak. The MDE-OCP initiated sampling of select off-site drinking water wells, and initiated a subsurface investigation. In December 1990, a pump and treat with soil vacuum extraction remedial system was installed. The system pumped groundwater from two contaminated drinking water wells, the Fruhling's old well and an adjacent neighbors old well located at 3876 Old Federal Hill Road. Additionally, the Department financed the installation of granular activated carbon (GAC) filtration systems at the Fruhling residence and a residence across the street (3873 Old Federal Hill Road). On October 1999, the remediation system was shut down after pumping almost 4,000,000 gallons of groundwater.

The Fruhling site is situated on a broad hilltop of a drainage divide between two watersheds. Land west of Old Federal Hill Road drains to the East Branch of Winters Run, drainage to the east of Old Federal Hill Road enters Deer Creek. Underlain by the Eastern Piedmont Physiographic Province, Lower Pelitic schist of the Wissahickon Group, groundwater flow condition is dominated by east-west fracturing.

The Department currently maintains one (1) GAC unit at no cost to the homeowner and periodically samples select off-site drinking water wells in the area. The Fruhling property was sold on April 2007 and is currently unoccupied. At this time, the MDE-OCP does anticipate sampling any additional off-site private wells beyond sampling needed to ensure community safety.

- 33 wells sampled to date
 - 31 wells Non detect or below USEPA drinking water standards or the State's action levels
 - 2 wells MTBE > 20 ppb; benzene > 5 ppb

3878 Old Federal Hill Road (Fruhling Property) GAC system currently maintained by MDE-OCP. Property sold April 4, 2007 and is currently vacant

-First exceedance (old well) 3/21/81 benzene – 7 ppb
-First exceedance (new well) 12/18/89 benzene – 12 ppb
-Last sampling event (new well) 10/24/06 non-detect for petroleum constituents

3873 Old Federal Hill Road – MDE-OCP transferred the GAC system to the resident in April 2007

-First exceedance 10/18/89 benzene – 7 ppb
-Last sampling event 09/25/07 non-detect for petroleum constituents

3823 Old Federal Hill Road – New case opened, Case No. 1991-1643HA

-First exceedance 11/16/1990 toluene – 18800 ppb, ethylbenzene – 9540 ppb, xylene – 64200 ppb
-Last sampling event 12/28/2005 1,2 dichloroethane – 6.5 ppb, carbon tetrachloride – 22.7 ppb

Chronology:

- June 6, 1980. HCHD sampled drinking water well at 3880 Old Federal Hill Road. Analytical results show petroleum constituents below the United States Environmental Protection Agency (USEPA) drinking water standards (*see table*).
- September 22, 1980. Neighbor at 3880 Old Federal Hill Road called Department of Natural Resources (DNR), Water Resources Administration (WRA) in reference to gasoline in the drinking water well (*see table*). Since sample results were below regulatory levels, DNR-WRA referred case to DHMH-EHA.
 - 3880 Old Federal Hill Road non-detect
- October 18, 1980. Explosion at Fruhling Store/residence located at 3878 Old Federal Hill Road. Mr. Henry Fruhling is severely burned and later dies from injuries. Harford County Fire Marshall determined that gasoline vapors in basement sump pit ignited when sump pump activated.
- November 17, 1980. HCHD sampled residents at 3876, 3878, and 3880 Old Federal Hill Road. Gasoline constituents detected in 3880 Old Federal Hill Road sample (*see table for sample results*).
- January 7, 1981. DNR-WRA contacted Creswell Oil Company who indicated that they owned the tanks and pumps at 3878 Old Federal Hill Road. Tank testing to be scheduled.
- January 16, 1981. DNR-WRA issued *Order C-81-177* to Creswell Oil, Inc. UST owner to precision test the gasoline tanks and begin product recovery from the old supply well.
- January 30, 1981. Two gasoline USTs at 3878 Old Federal Hill Road tested and passed.
- February 3, 1981. DNR-WRA performed eight (8) borings at Fruhling property. Explosive readings detected by tank island and drinking water well in backyard.
- February 27, 1981. WRA correspondence to Creswell Oil Inc. and Mrs. Fruhling. Investigation revealed that gasoline pump leaked in the past several years and repairs to the leaking dispenser were made by Creswell Oil Inc. WRA required a cooperative effort between Mrs. Fruhling and Creswell Oil Inc. to remove gasoline product from the well.
- March 18, 1981. Creswell contractors initiated gasoline product recovery and pumping of Fruhling well
- April 16, 1981. Meeting with Creswell Oil Inc. and their attorney, Mrs. Fruhling, Fruhling's attorney, and the State to discuss installation of an oil/water separator to treat pumped groundwater from Fruhling well.
- April 20, 1981. New Fruhling well (HA-73-6481) drilled to depth of 300 feet.
- August 19, 1981. Meeting amongst WRA, HCHD, Mr. Creswell, attorney's for Fruhling, Creswell, and resident at 3880 Old Federal Hill Road and Creswell Oil, Inc.'s consultant personnel.

- Three (3) borings to be performed to investigate the gasoline release.
- October 16, 1981. Three borings to groundwater converted into monitoring wells.
 - HA-73-6778, well depth, 59 feet, well casing, 52.5 feet, 4 inch diameter well
 - HA-73-6779, well depth, 58 feet, well casing, 48 feet, 4 inch diameter well
 - HA-73-6780, well depth, 59 feet, well casing, 52.5 feet, 4 inch diameter well
- November 10, 1981. WRA letter to oil supplier (Creswell Oil, Inc.) indicating that LPH recovery at Fruhling old well complete and WRA requirement satisfied. Case would be referred to HCHD and DHMH-OEP.
- November 24, 1981. HCHD correspondence to WRA. Disagreed with decision to terminate pumping of Fruhling old well. HCHD concerned that if pumping stopped, subsurface petroleum contamination would spread and impact other residents.
- March 9, 1982. Contractor abandoned three borings.
- May 17, 1982. Contractor investigation determined that contamination of perimeter wells occurred prior to 1966, but Fruhling well contamination due to onsite USTs.
- May 16, 1983. Resident at 3873 Old Federal Hill Road letter to Congressman Clarence D. Long, seeking assistance with his well contamination.
- July 18, 1983. Resident at 3873 Old Federal Hill Road contacted HCHD concerning pumping operations on Fruhling old well. Concerned that pumping activities will cause well yield to decrease and also complained about discharged water ponding unto the property.
- January 27, 1984. Fruhling attorney letter to Amoco lawyer. Included equipment loan agreement with Amoco dated 1967, and requested assistance with removal of USTs.
- April 28, 1987. Fruhling new well sampled and petroleum constituent detected below drinking water standard (*see table for sample results*).
- December 2, 1987. DHMH-OEP site visit to Fruhling residence. Informed by Mrs. Fruhling that Creswell Oil Inc. filed for bankruptcy. Acknowledged that pump in old well activated when she remembers to turn electrical power on.
- January 10, 1988. Resident at 3873 Old Federal Hill Road contacted the United States Environmental Protection Agency (USEPA). Complained about contamination in his well and the discharged water from the Fruhling old well.
- January 18, 1988. Resident at 3873 Old Federal Hill Road contacted MDE OCP concerning discharged water from Fruhling old well.
- January 27, 1988. MDE-OCP representative performed site visit and issued Mrs. Fruhling site complaint, SC-OV-0299, to stop discharging untreated water.
- October 7, 1988. MDE OCP assumed control of cleanup at the Fruhling property. The State financed the removal of the two 1,000-gallon gasoline USTs and a 500-gallon kerosene UST.
 - No perforations detected in excavated USTs
 - Petroleum contaminated soils detected underneath dispenser pumps
- January 9, 1989. Soil gas survey performed on Fruhling property. Elevated hydrocarbon levels detected north of the pump island and extending southward and westward.
- March 14, 1989. Second soil gas survey performed on Fruhling property. Borings and samples collected at greater depth. Hydrocarbon levels detected throughout Fruhling property, extending southward and eastward.

- October 24, 1989. MDE-OCP installed a GAC unit at Fruhling residence to treat groundwater from the new well.
- November 27, 1989. MDE-OCP sampled resident at 3873 Old Federal Hill Road.
 - DW Benzene - 10 parts per billion (ppb) (*see table*).
- November 29, 1989. Senator Amoss (Harford County) contacted MDE-OCP and requested that MDE hold a community meeting to discuss contamination in the area.
- December 1, 1989. MDE-OCP installed a GAC system at 3873 Old Federal Hill Road.
- December 26, 1989. Fruhling attorney letter to Brethren Mutual Insurance Company. Insurance company represents Creswell Oil Inc. Informed insurance company of off-site drinking water well impacts.
- January 23, 1990. Seven monitoring wells (MWs) installed by MDE-OCP contractors.
 - Three (3) shallow MWs (66 feet),
 - Four (4) deep MWs (81, 143, 147, 178 feet), and,
 - One (1) deep MW, D4 (147 feet) installed off-site.
- February 5, 1990. Brethren Mutual Insurance Company (Creswell Oil Inc. insurance company) letter to Fruhling attorney. Policy expired in 1984, therefore spill area is not covered.
- March 2, 1990. MDE-OCP contractor detected gasoline product in well located at 3876 Old Federal Hill Road. Well no longer used by residents, new well drilled.
- April 6, 1990. Attorney for Brethren Mutual Insurance Company letter to Fruhling attorney.
 - Fruhling's purchased property in 1966,
 - Shell Oil USTs used by previous owners removed prior to sale,
 - Amoco installed two USTs in June 1967
 - Creswell Oil Co., an independent jobber, concluded an agreement with the Fruhling's to supply Amoco products.
 - In July 1981, resident at 3880 Old Federal Hill Rd filed suit against Amoco Oil Co., Creswell Oil Co. and the Fruhling's, for contamination of their drinking water in June 1980.
 - In March 1988, lawsuit settled for \$25,000
 - Prior to settlement, Creswell settled with the resident at 3880 Old Federal Hill Road for \$7,500.
- May 2, 1990. MDE-OCP held a community meeting to discuss the contamination in the area and remedial efforts.
- November 1, 1990. *Hydrogeological Investigation and Remedial Action at the Fruhling/Jarrettsville Site, November 1990*, submitted to MDE-OCP.
- December 19, 1990. MDE-OCP initiated construction of pump & treat with soil vacuum extraction system. Remedial system to include pumping groundwater from the old drinking water well located at 3876 Old Federal Hill Road and the Fruhling's old well.
- December 21, 1990. Resident at 3880 Old Federal Hill Road submitted a subdivision plan to Harford County.
- January 9, 1991. MDE Attorney General's office received notice that the Secretary of MDE would be served a subpoena for a complaint for declaratory judgment. Brethren Insurance Co. seeking a determination as to its liability for any cost assessed against, or paid by Mrs. Fruhling in connection with the remedial efforts financed by MDE.
- January 25, 1991. HCHD referred residential property located at 3823 Old Federal Hill Road to the MDE, due to detection of petroleum constituents in drinking water sample collected.
- January 31, 1991. Brethren Insurance Company letter to the Circuit Court of Harford Company. Insurance company filing complaint for declaratory judgment.

- February 7, 1991. Fruhling's attorney letter to MDE-OCP that included Mrs. Fruhling's tax returns for the last three years.
- August 12, 1991. Remedial system operational
- July 14, 1994. MDE-OCP contacted property owner at 3872 Old Federal Hill Road, located behind Fruhling property to discuss installation of a discharge line from the remedial system onto this property.
- September 25, 1995. MDE-OCP's contractor initiated trenching to install a 4-inch discharge line from remediation shed to stream embankment west of the Fruhling property
- October 5, 1999. Remedial system shut down.
- September 10, 2001. HCHD letter to MDE-OCP soliciting the Department's input on drilling a new well northwest of Fruhling property in anticipation of developing property.
- December 6, 2001. MDE-OCP letter to HCHD indicating that State had no objection to resident drilling well.
- October 7, 2003. Fruhling's attorney letter to MDE-OCP, requesting that remedial shed and MWs be removed in anticipation of selling property. Mrs. Fruhling had passed away.
- January 9, 2004. MDE-OCP letter to Fruhling attorney indicating that equipment would not be removed and that the State was going to research cost recovery action against the property.
- May 31, 2006. Hydraulic study proposed for the property at 3880 Old Federal Hill Road to HCHD.
- August 4, 2006. MDE OCP's letter to HCHD concerning additional requirements lacking in hydraulic study.
- November 6, 2006. MDE-OCP letter to HCHD indicating no objection to property owner at 3880 Old Federal Hill Road drilling two wells east of current residence.
- April 4, 2007. Fruhling property sold to a private entity. Property is currently unoccupied.
- April 17, 2007. MDE-OCP letter to resident at 3876 Old Federal Hill Road giving the option of keeping GAC system or having system removed. Residents elected to keep GAC system.
- May 10, 2007. HCHD letter to MDE-OCP indicating two wells at 3880 Old Federal Hill Road pumped for 6 hours, samples collected after pump test, and sampling results were non-detect.

Activities:

- 2008. MDE-OCP continues to sample select off-site drinking water wells, 3876, 3880, and 3873 Old Federal Hill Road.
- MDE-OCP to send correspondence to new resident at 3878 Old Federal Hill Road giving owner option of keeping the GAC system or having system removed by State contractors.
- MDE-OCP contractors to schedule MW sampling within six months.

Future Updates:

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

Contacts:

- Maryland Department of the Environment (MDE), Oil Control Program (OCP), 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.

Monitoring Well Sampling Data from the Fruhling Area

| Sample Location | DATE | Sampled by | Benzene MCL at 5 ppb | MTBE State's Action Level – 20 ppb | Other Constituents Toluene - 1000 ppb, Ethylbenzene - 700 ppb, Xylene - 10,000 ppb, 1,2 dichloroethane (DCA) – MCL at 5 ppb |
|---|------------|------------|-------------------------|--|---|
| DW1 <i>HA-88-0851 Installed 1/1990 Well Depth 178 ft Well Casing 56 ft 4 in diameter well</i> | 3/1/1990 | MDE-OCP | 1650 | 150 | --- |
| | 3/22/1990 | MDE-OCP | 1610 | 350 | ---- |
| | 11/10/1992 | MDE-OCP | 846 | 106 | --- |
| | 6/7/1994 | MDE-OCP | 646 | 170 | ---- |
| | 7/9/1996 | MDE-OCP | 840 | ND | --- |
| | 4/8/1997 | MDE-OCP | 530 | 68 | ---- |
| | 3/7/2003 | MDE-OCP | 96 | 410 | --- |
| DW2 <i>HA-88-0860 Installed 1/1990 Well Depth 143 ft Well Casing 79 ft 4 in diameter well</i> | 3/1/1990 | MDE-OCP | 60 | ND | --- |
| | 11/10/1992 | MDE-OCP | 716 | 23 | ---- |
| | 6/7/1994 | MDE-OCP | 251 | 98 | --- |
| | 7/9/1996 | MDE-OCP | 460 | ND | ---- |
| | 4/8/1997 | MDE-OCP | 420 | 98 | --- |
| | 3/10/2003 | MDE-OCP | 290 | 100 | ---- |
| DW3 <i>HA-88-0861 Installed 1/1990 Well Depth 81 ft Well Casing 57 ft 4 in diameter well</i> | 3/1/1990 | MDE-OCP | 68 | ND | --- |
| | 3/22/1990 | MDE-OCP | 37 | 4 | ---- |
| | 11/12/1992 | MDE-OCP | ND | ND | --- |
| | 6/7/1994 | MDE-OCP | 33 | 25 | ---- |
| | 7/9/1996 | MDE-OCP | ND | ND | --- |
| | 4/8/1997 | MDE-OCP | ND | ND | ---- |
| | 3/7/2003 | MDE-OCP | 25 | ND | --- |
| DW4 <i>HA-88-0862 Installed 1/1990 Well Depth 147 ft Well Casing 64 ft 4 in. diameter well</i> | 3/1/1990 | MDE-OCP | 350 | ND | --- |
| | 3/22/1990 | MDE-OCP | 92 | ND | ---- |
| | 11/15/1990 | MDE-OCP | 500 | ND | --- |
| | 11/12/1992 | MDE-OCP | 515 | ND | ---- |
| | 11/23/1994 | MDE-OCP | 578 | ND | --- |
| | 5/10/1996 | MDE-OCP | 706 | ND | ---- |
| | 4/3/1997 | MDE-OCP | 970 | ND | --- |
| SW1 <i>HA-88-0856 Installed 1/1990 Well Depth 66 ft Well Casing 46 ft 4 in diameter well</i> | 3/1/1990 | MDE-OCP | 2000 | ND | Toluene – 61500; Ethylbenzene - 2000, Xylene -11500 |
| | 5/31/1994 | MDE-OCP | 2172 | ND | --- |
| | 7/17/1996 | MDE-OCP | 17 | Not analyzed (NA) | ---- |
| | 3/7/2003 | MDE-OCP | 780 | ND | --- |
| SW2 <i>HA-88-0857 Installed 1/1990 Well Depth 66 ft</i> | 3/1/1990 | MDE-OCP | 6000 | 7500 | Toluene -73500, Ethylbenzene –2000 Xylene -13500 |
| | 11/10/1992 | MDE-OCP | 66 | 7 | --- |

| | | | | |
|-----------|---------|-----|----|------|
| 5/31/1994 | MDE-OCP | 284 | ND | ---- |
| 7/17/1996 | MDE-OCP | 830 | NA | --- |
| 4/8/1997 | MDE-OCP | 18 | ND | ---- |
| 3/7/2003 | MDE-OCP | 260 | ND | --- |

Monitoring Well Sampling Data from the Fruhling Area

| Sample Location | DATE | Sampled by | Benzene MCL at 5 ppb | MTBE State's Action Level - 20 ppb | Other Constituents Toluene - 1000 ppb, Ethylbenzene - 700 ppb, Xylene - 10,000 ppb, 1,2 dichloroethane (DCA) - MCL at 5 ppb |
|--|--|------------|-------------------------|--|---|
| SW3 HA-88-0858 Installed 1/1990 Well Depth 66 ft Well Casing 41 ft 4 in diameter well | 3/1/1990 | MDE-OCP | ND | ND | --- |
| | 11/10/1992 | MDE-OCP | 12 | ND | ---- |
| | 5/31/1994 | MDE-OCP | ND | ND | --- |
| | 7/17/1996 | MDE-OCP | 1 | NA | ---- |
| | 4/8/1997 | MDE-OCP | ND | ND | --- |
| | 3/7/2003 | MDE-OCP | ND | ND | ---- |
| | R1 3876 Old Federal Hill Road (old drinking water well) HA-73-2566 Well Depth 77 ft Well Casing 44 ft 6 in diameter well | 3/1/1990 | MDE-OCP | ND | ND |
| 5/29/1990 | | MDE-OCP | ND | ND | ---- |
| 5/31/1990 | | MDE-OCP | 2 | ND | --- |
| 8/10/1990 | | MDE-OCP | 627 | 158 | Toluene-6690 |
| 1/2/1991 | | MDE-OCP | 287 | 88 | Toluene-4720 |
| 6/14/1991 | | MDE-OCP | 400 | 250 | Toluene -2000 |
| 8/28/1991 | | MDE-OCP | 130 | 330 | --- |
| 9/11/1991 | | MDE-OCP | 220 | 500 | ---- |
| 4/3/1992 | | MDE-OCP | 502 | ND | Toluene -2200 |
| 7/29/1992 | | MDE-OCP | 243 | 94 | Toluene -1589 |
| 9/29/1992 | | MDE-OCP | 243 | 94 | --- |
| 1/26/1993 | | MDE-OCP | 924 | 214 | ---- |
| 5/14/1993 | | MDE-OCP | ND | ND | --- |
| 7/30/1993 | | MDE-OCP | 6 | 23 | ---- |
| 10/8/1993 | | MDE-OCP | 63 | 31 | --- |
| 2/25/1994 | | MDE-OCP | 157 | 64 | ---- |
| 4/29/1994 | | MDE-OCP | ND | ND | --- |
| 7/12/1994 | | MDE-OCP | 30 | ND | ---- |
| 9/7/1994 | | MDE-OCP | 98 | 67 | --- |
| 12/20/1994 | | MDE-OCP | 186 | 90 | ---- |
| 1/17/1995 | | MDE-OCP | 89 | 67 | --- |
| 2/23/1995 | | MDE-OCP | 213 | 70 | ---- |
| 4/27/1995 | | MDE-OCP | 169 | 63 | --- |
| 6/30/1995 | | MDE-OCP | 159 | 63 | ---- |
| 10/23/1995 | | MDE-OCP | 206 | 72 | --- |
| 11/29/1995 | | MDE-OCP | 119 | 53 | ---- |
| 6/12/1996 | | MDE-OCP | 45 | 12 | --- |
| 8/27/1996 | | MDE-OCP | 44 | 11 | ---- |
| 12/3/1996 | | MDE-OCP | 14 | 17 | --- |
| 1/6/1997 | | MDE-OCP | 5 | 9 | ---- |
| 1/31/1997 | MDE-OCP | 2 | ND | --- | |
| 2/25/1997 | MDE-OCP | 2 | 3 | --- | |

Monitoring Well Sampling Data from the Fruhling Area

| Sample Location | DATE | Sampled by | Benzene MCL at 5 ppb | MTBE State's Action Level – 20 ppb | Other Constituents Toluene - 1000 ppb, Ethylbenzene - 700 ppb, Xylene - 10,000 ppb, 1,2 dichloroethane (DCA) – MCL at 5 ppb |
|--|------------|------------|----------------------|------------------------------------|---|
| R1 (continued) | 3/26/1997 | MDE-OCP | 4 | ND | --- |
| | 4/21/1997 | MDE-OCP | 27 | ND | ---- |
| | 5/30/1997 | MDE-OCP | 62 | 18 | --- |
| | 6/25/1997 | MDE-OCP | 59 | 26 | ---- |
| | 7/17/1997 | MDE-OCP | 11 | 19 | --- |
| | 8/27/1997 | MDE-OCP | 34 | 31 | ---- |
| | 9/16/1997 | MDE-OCP | 42 | 29 | --- |
| | 10/14/1997 | MDE-OCP | 12 | 10 | ---- |
| | 11/14/1997 | MDE-OCP | 21 | 22 | --- |
| | 12/5/1997 | MDE-OCP | 25 | 41 | ---- |
| | 3/30/1998 | MDE-OCP | 110 | 30 | --- |
| | 4/20/1998 | MDE-OCP | 73 | 16 | ---- |
| | 5/18/1998 | MDE-OCP | 3 | 7 | --- |
| | 7/30/1998 | MDE-OCP | ND | 2 | ---- |
| | 8/24/1998 | MDE-OCP | ND | 2.00 | --- |
| | 9/21/1998 | MDE-OCP | ND | ND | ---- |
| | 12/21/1998 | MDE-OCP | 44 | 15 | --- |
| | 2/16/1999 | MDE-OCP | 84 | 24 | ---- |
| | 3/16/1999 | MDE-OCP | 57 | 19 | --- |
| 4/19/1999 | MDE-OCP | 16 | 16 | ---- | |
| 5/17/1999 | MDE-OCP | 12 | 19 | --- | |
| R2 (Fruhling old drinking water well) No well tag Well Depth 87 ft Well Casing 21 ft 6 in diameter well | 12/14/1982 | MDE-OCP | 2800 | ND | Toluene-15000 |
| | 3/10/1983 | MDE-OCP | 3200 | ND | Toluene-19000 |
| | 1/10/1984 | MDE-OCP | 4400 | ND | Toluene-31000 Ethylbenzene-1700 DCA-5 |
| | 7/31/1984 | MDE-OCP | 2000 | ND | Toluene-21000 |
| | 5/13/1985 | MDE-OCP | 3220 | ND | Toluene-30880 |
| | 2/3/1986 | MDE-OCP | 2900 | 3 | Toluene-25780 |
| | 10/16/1986 | MDE-OCP | 6400 | 1100 | Toluene-54000 Ethylbenzene-2500 Xylene-13000 DCA-6 |
| | 4/28/1987 | MDE-OCP | 2600 | ND | Toluene-2500 Ethylbenzene-1000. |
| | 11/19/1987 | MDE-OCP | 1840 | 340 | Toluene-20910 |
| | 1/22/1988 | MDE-OCP | 2020 | 350 | Toluene-18900 |
| | 10/4/1989 | MDE-OCP | 2150 | ND | Toluene-24930 |
| | 8/6/1990 | MDE-OCP | 2460 | 640 | Toluene-34420 Ethylbenzene-1320 |
| | 1/2/1991 | MDE-OCP | 2650 | ND | Toluene-75000 Ethylbenzene-2030 |
| | 6/14/1991 | MDE-OCP | 3600 | 2000 | Toluene -50000 Ethylbenzene-1300 |
| | 8/28/1991 | MDE-OCP | 3900 | 1600 | Toluene-51000 |
| | 9/11/1991 | MDE-OCP | 3500 | 1600 | Toluene-48000 |
| 4/3/1992 | MDE-OCP | 2300 | ND | Toluene-12687 | |
| 7/29/1992 | MDE-OCP | 872 | 340 | Toluene-9968 | |

Monitoring Well Sampling Data from the Fruhling Area

| Sample Location | DATE | Sampled by | Benzene MCL at 5 ppb | MTBE State's Action Level – 20 ppb | Other Constituents Toluene - 1000 ppb, Ethylbenzene - 700 ppb, Xylene - 10,000 ppb, 1,2 dichloroethane (DCA) – MCL at 5 ppb |
|-------------------|------------|------------|----------------------|------------------------------------|---|
| R2 (continued) | 9/29/1992 | MDE-OCP | 872 | 340 | ---- |
| | 1/26/1993 | MDE-OCP | 7230 | 576 | ---- |
| | 5/14/1993 | MDE-OCP | 2816 | 2500 | ---- |
| | 7/30/1993 | MDE-OCP | 5670 | 833 | ---- |
| | 10/8/1993 | MDE-OCP | 1580 | 484 | ---- |
| | 2/25/1994 | MDE-OCP | 7040 | 1030 | ---- |
| | 4/29/1994 | MDE-OCP | 2051 | 483 | ---- |
| | 7/12/1994 | MDE-OCP | 2100 | ND | ---- |
| | 9/7/1994 | MDE-OCP | 2991 | 248 | ---- |
| | 12/20/1994 | MDE-OCP | 2130 | 746 | ---- |
| | 1/17/1995 | MDE-OCP | 2369 | 580 | ---- |
| | 2/23/1995 | MDE-OCP | 2470 | 470 | ---- |
| | 4/27/1995 | MDE-OCP | 2860 | 836 | ---- |
| | 6/30/1995 | MDE-OCP | 2550 | 753 | ---- |
| | 10/23/1995 | MDE-OCP | 3390 | 569 | ---- |
| | 11/29/1995 | MDE-OCP | 1720 | 343 | ---- |
| | 6/12/1996 | MDE-OCP | 1591 | 283 | ---- |
| | 8/27/1996 | MDE-OCP | 1800 | 390 | ---- |
| | 12/3/1996 | MDE-OCP | 1800 | 330 | ---- |
| | 1/6/1997 | MDE-OCP | 1300 | 430 | ---- |
| | 1/31/1997 | MDE-OCP | 1800 | 350 | ---- |
| | 2/25/1997 | MDE-OCP | 1400 | 400 | ---- |
| | 3/26/1997 | MDE-OCP | 1800 | 450 | ---- |
| | 4/21/1997 | MDE-OCP | 1300 | 43 | ---- |
| | 5/30/1997 | MDE-OCP | 1600 | 410 | ---- |
| | 6/25/1997 | MDE-OCP | 1900 | 530 | ---- |
| | 7/17/1997 | MDE-OCP | 1900 | 380 | ---- |
| | 8/27/1997 | MDE-OCP | 1900 | 410 | ---- |
| | 9/16/1997 | MDE-OCP | 1600 | 410 | ---- |
| | 10/14/1997 | MDE-OCP | 2062 | 188 | ---- |
| | 11/14/1997 | MDE-OCP | 2626 | 497 | ---- |
| | 12/5/1997 | MDE-OCP | 3567 | 1661 | ---- |
| | 3/30/1998 | MDE-OCP | 854 | ND | ---- |
| | 4/20/1998 | MDE-OCP | 1170 | ND | ---- |
| | 5/18/1998 | MDE-OCP | 1170 | ND | ---- |
| | 7/30/1998 | MDE-OCP | 724 | 117. | ---- |
| | 8/24/1998 | MDE-OCP | 885 | 126 | ---- |
| | 9/21/1998 | MDE-OCP | 1490 | ND | ---- |
| | 12/21/1998 | MDE-OCP | 1540 | ND | ---- |
| | 2/1/1999 | MDE-OCP | 998 | ND | ---- |
| 2/16/1999 | MDE-OCP | 1800 | ND | ---- | |
| 3/16/1999 | MDE-OCP | 1460 | ND | ---- | |
| 4/19/1999 | MDE-OCP | 1310 | ND | ---- | |
| 5/17/1999 | MDE-OCP | 1350 | ND | ---- | |

Drinking Water Sampling Data for the Fruhling Area in Jarrettsville Harford County

| Sample Location | GAC installed <input checked="" type="checkbox"/> | Sampled by | Sample Event | Petroleum Constituents of Concern | | |
|---|---|------------|--------------------------|-----------------------------------|--|--|
| | | | | Benzene MCL at 5 ppb | MTBE State's Action Level – 20 ppb | Other Constituents Toluene - 1000 ppb; Ethylbenzene - 700 ppb; Xylene - 10,000 ppb, |
| ON-SITE PRIVATE WELL | | | | | | |
| 3878 Old Federal Hill Road (Fruhling residence) HA-81-6481 Installed Well Depth 300 ft Well Casing 75' 6 in diameter well | <input checked="" type="checkbox"/> GAC system installed on 10/1989 | MDE-OCP | 11/17/1980 | LPH | LPH | LPH in sample |
| | | MDE-OCP | 3/12/1981 (raw-old well) | 7 | ND | --- |
| | | MDE-OCP | 3/18/1981 (raw) | ND | ND | LPH in well |
| | | MDE-OCP | 9/1/1981 (raw) | 6000 | ND | Toluene-65000, Ethylbenzene-2700, Xylene-12000 |
| | | MDE-OCP | 10/29/1981 (raw) | 3500 | ND | Toluene-19000 |
| | | MDE-OCP | 1/5/1982 (raw-new well) | ND | ND | --- |
| | | MDE-OCP | 2/8/1982 (raw) | ND | ND | ---- |
| | | MDE-OCP | 3/10/1982 (raw) | ND | ND | --- |
| | | MDE-OCP | 5/18/1982 (raw) | ND | ND | ---- |
| | | MDE-OCP | 6/9/1982 (raw) | ND | ND | --- |
| | | MDE-OCP | 3/24/1983 (raw) | ND | ND | ---- |
| | | MDE-OCP | 8/3/1983 (raw) | ND | ND | --- |
| | | MDE-OCP | 1/10/1984 (raw) | ND | ND | ---- |
| | | MDE-OCP | 7/31/1984 (raw) | ND | ND | --- |
| | | MDE-OCP | 1/20/1986 (raw) | ND | ND | ---- |
| | | MDE-OCP | 10/16/1986 (raw) | ND | ND | --- |
| | | MDE-OCP | 4/28/1987 (raw) | ND | ND | ---- |
| | | MDE-OCP | 10/22/1987 (raw) | ND | 105 | --- |
| | | MDE-OCP | 10/27/1987 (raw) | ND | ND | ---- |
| | | MDE-OCP | 1/22/1988 (raw) | ND | ND | --- |
| | | MDE-OCP | 2/2/1988 (raw) | ND | ND | ---- |
| | | MDE-OCP | 10/14/1988 (raw) | ND | ND | --- |
| | | MDE-OCP | 1/9/1989 (raw) | ND | ND | ---- |
| | | MDE-OCP | 10/4/1989 (raw) | 4 | 1 | --- |
| | | MDE-OCP | 12/18/1989 (pre-filter) | 12 | 5 | ---- |
| | | | 12/18/1989 (mid-filter) | ND | ND | --- |
| | | | 12/18/1989 (post-filter) | ND | ND | ---- |
| | | MDE-OCP | 3/12/1990 (pre-filter) | 16 | 8 | --- |
| | | | 3/12/1990 (mid-filter) | 8 | ND | ---- |
| | | | 3/12/1990 (post-filter) | ND | ND | --- |
| | | MDE-OCP | 5/8/1990 (pre-filter) | 29 | 23 | ---- |
| | | | 5/8/1990 (mid-filter) | 25 | 19 | --- |
| | | | 5/8/1990 (post-filter) | 9 | 9 | ---- |
| | | MDE-OCP | 5/31/1990 (pre-filter) | 37 | 11 | --- |
| | | | 5/31/1990 (mid-filter) | ND | ND | ---- |
| | | | 5/31/1990 (post-filter) | ND | ND | --- |
| MDE-OCP | 8/2/1990 (pre-filter) | 17 | ND | ---- | | |
| | 8/2/1990 (mid-filter) | 16 | ND | --- | | |
| | 8/2/1990 (post-filter) | ND | ND | ---- | | |
| MDE-OCP | 9/6/1990 (pre-filter) | 25 | ND | --- | | |
| | 9/6/1990 (mid-filter) | 19 | ND | ---- | | |
| | 9/6/1990 (post-filter) | ND | ND | --- | | |

Drinking Water Sampling Data for the Fruhling Area in Jarrettsville Harford County

| Sample Location | GAC installed <input checked="" type="checkbox"/> | Sampled by | Sample Event | Petroleum Constituents of Concern | | |
|---|---|---------------------------------|----------------------------------|-----------------------------------|--|--|
| | | | | Benzene MCL at 5 ppb | MTBE State's Action Level – 20 ppb | Other Constituents Toluene - 1000 ppb; Ethylbenzene - 700 ppb; Xylene - 10.000 ppb. |
| ON-SITE PRIVATE WELL | | | | | | |
| 3878 Old Federal Hill Road (continued) | | MDE-OCP | 10/12/1990 (pre-filter) | 27 | ND | --- |
| | | | 10/12/1990 (mid-filter) | ND | ND | ---- |
| | | | 10/12/1990 (post-filter) | ND | ND | --- |
| | | MDE-OCP | 11/15/1990 (pre-filter) | 28 | ND | ---- |
| | | | 11/15/1990 (mid-filter) | ND | ND | --- |
| | | | 11/15/1990 (post-filter) | 4.4 | ND | ---- |
| | | MDE-OCP | 12/26/1990 (pre-filter) | 44 | ND | --- |
| | | | 12/26/1990 (mid-filter) | 3 | ND | ---- |
| | | | 12/26/1990 (post-filter) | 5 | ND | --- |
| | | MDE-OCP | 3/7/1991 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 5/16/1991 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 11/8/1991 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 1/13/92 (post-filter) | ND | ND | --- |
| | | MDE-OCP | 9/8/1992 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 1/26/1993 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 6/11/1993 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 11/17/1993 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 2/1/1994 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 1/26/1996 (pre-filter) | ND | ND | --- |
| | | MDE-OCP | 10/6/1997 (mid-filter) | ND | ND | ---- |
| | | MDE-OCP | 1/30/2002 (mid-filter) | ND | ND | --- |
| | | MDE-OCP | 1/17/1995 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 7/26/1995 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 8/23/1995 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 1/26/1996 (mid-filter) | ND | ND | --- |
| | | | 1/26/1996 (post-filter) | ND | ND | ---- |
| | | MDE-OCP | 8/27/1996 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 1/27/1997 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 5/30/1997 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 3/17/1998 (pre/mid/post-filter) | ND | ND | ---- |
| | MDE-OCP | 12/7/1998 (pre/mid/post-filter) | ND | ND | --- | |
| | MDE-OCP | 4/28/1999 (pre/mid/post-filter) | ND | ND | ---- | |
| | MDE-OCP | 7/26/1999 (pre/mid/post-filter) | ND | ND | --- | |
| | MDE-OCP | 10/5/1999 (pre/mid/post-filter) | ND | ND | ---- | |
| | MDE-OCP | 1/19/2000 (pre/mid/post-filter) | ND | ND | --- | |
| | MDE-OCP | 4/3/2000 (pre/mid/post-filter) | ND | ND | ---- | |
| | MDE-OCP | 7/13/2000 (pre/mid/post-filter) | ND | ND | --- | |
| | MDE-OCP | 10/3/2000 (pre/mid/post-filter) | ND | ND | ---- | |

Drinking Water Sampling Data for the Fruhling Area in Jarrettsville Harford County

| Sample Location | GAC installed <input checked="" type="checkbox"/> | Sampled by | Sample Event | Petroleum Constituents of Concern | | |
|---|---|------------|----------------------------------|-----------------------------------|--|--|
| | | | | Benzene MCL at 5 ppb | MTBE State's Action Level – 20 ppb | Other Constituents Toluene - 1000 ppb; Ethylbenzene - 700 ppb; Xylene - 10.000 ppb. |
| ON-SITE PRIVATE WELL | | | | | | |
| 3878 Old Federal Hill Road (continued) | | MDE-OCP | 1/31/2001 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 4/24/2001 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 7/31/2001 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 10/31/2001 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 1/30/2002 (pre-filter) | ND | ND | --- |
| | | | 1/30/2002 (post-filter) | ND | ND | ---- |
| | | MDE-OCP | 5/30/2002 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 8/22/2002 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 11/7/2002 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 8/27/2003 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 11/24/2003 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 2/17/2004 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 5/24/2004 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 8/27/2004 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 11/23/2004 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 2/4/2005 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 5/11/2005 (pre-filter) | ND | ND | --- |
| | | MDE-OCP | 9/22/2005 (pre-filter) | ND | ND | ---- |
| | | MDE-OCP | 1/13/2006 (pre-filter) | ND | ND | --- |
| | | MDE-OCP | 5/5/2006 (pre-filter) | ND | ND | ---- |
| MDE-OCP | 6/2/2006 (post-filter) | ND | ND | --- | | |
| MDE-OCP | 10/24/2006 (pre-filter) | ND | ND | ---- | | |
| OFF-SITE PRIVATE WELLS | | | | | | |
| 3873 Old Federal Hill Road HA-81-3978 Installed Well Depth 300 ft Well Casing 57' 6 in diameter well | <input checked="" type="checkbox"/> GAC system installed on 12/1989 | MDE-OCP | 10/18/1989 (raw) | 7 | ND | --- |
| | | MDE-OCP | 11/27/1989 (raw) | 10 | 3 | ---- |
| | | MDE-OCP | 12/7/1989 (raw) | 7 | 3 | --- |
| | | MDE-OCP | 12/7/1989 (raw) | ND | ND | ---- |
| | | MDE-OCP | 12/7/1989 (raw) | ND | ND | --- |
| | | MDE-OCP | 1/11/1990 (raw) | ND | ND | ---- |
| | | MDE-OCP | 1/11/1990 (raw) | ND | ND | --- |
| | | MDE-OCP | 1/11/1990 (raw) | ND | ND | ---- |
| | | MDE-OCP | 3/1/1990 (pre-filter) | 3 | 2 | --- |
| | | | 3/1/1990 (mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 4/4/1990 (pre-filter) | 8 | 5 | --- |
| | | | 4/4/1990 (mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 5/8/1990 (pre-filter) | 29 | 23 | --- |
| | | | 5/8/1990 (mid-filter) | 25 | 19 | ---- |
| | | | 5/8/1990 (post-filter) | 9 | 9 | --- |
| | | MDE-OCP | 5/31/1990 (pre/mid/post-filter) | ND | ND | ---- |

Drinking Water Sampling Data for the Fruhling Area in Jarrettsville Harford County

| Sample Location | GAC installed <input checked="" type="checkbox"/> | Sampled by | Sample Event | Petroleum Constituents of Concern | | |
|---|---|----------------------------------|---------------------------------|-----------------------------------|--|--|
| | | | | Benzene MCL at 5 ppb | MTBE State's Action Level – 20 ppb | Other Constituents Toluene - 1000 ppb; Ethylbenzene - 700 ppb; Xylene - 10,000 ppb, |
| OFF-SITE PRIVATE WELLS | | | | | | |
| 3873 Old Federal Hill Road (continued) | | MDE-OCP | 6/29/1990 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 8/6/1990 (pre-filter) | ND | 2 | ---- |
| | | | 8/6/1990 (mid/post -filter) | ND | ND | --- |
| | | MDE-OCP | 9/6/1990 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 10/12/1990 (pre-filter) | 4 | 8 | --- |
| | | | 10/12/1990 (mid-filter) | ND | 2 | ---- |
| | | | 10/12/1990 (post-filter) | ND | ND | --- |
| | | MDE-OCP | 11/15/1990 (pre-filter) | ND | 10 | ---- |
| | | | 11/15/1990 (mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 12/26/1990 (pre-filter) | 5.6 | 12 | ---- |
| | | | 12/26/1990 (mid/post - filter) | ND | ND | --- |
| | | MDE-OCP | 3/7/1991 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 5/16/1991 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 8/27/1991 (pre-filter) | ND | 1.3 | ---- |
| | | | 8/27/1991 (mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 11/8/1991 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 1/13/1992 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 7/6/1992 (post-filter) | ND | ND | ---- |
| | | MDE-OCP | 9/8/1992 (post-filter) | ND | ND | --- |
| | | MDE-OCP | 1/26/1993 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 6/8/1993 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 11/17/1993 (pre-filter) | ND | 5.5 | ---- |
| | | | 11/17/1993 (mid-filter) | ND | ND | --- |
| | | | 11/17/1993 (post-filter) | ND | ND | ---- |
| | | MDE-OCP | 2/1/1994 (pre-filter) | ND | 17 | --- |
| | | | 2/1/1994 (mid-filter) | ND | ND | ---- |
| | | | 2/1/1994 (post-filter) | ND | ND | --- |
| | | MDE-OCP | 7/26/1994 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 8/11/1994 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 1/10/1995 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 8/23/1995 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 1/26/1996 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 5/28/1996 (pre/mid/post-filter) | ND | ND | --- |
| | MDE-OCP | 10/1/1996 (pre/mid/post-filter) | ND | ND | ---- | |
| | MDE-OCP | 1/6/1997 (pre/mid/post-filter) | ND | ND | --- | |
| | MDE-OCP | 5/30/1997 (pre/mid/post-filter) | ND | ND | ---- | |
| | MDE-OCP | 10/6/1997 (pre/mid/post-filter) | ND | ND | --- | |
| | MDE-OCP | 3/17/1998 (pre/mid/post-filter) | ND | ND | ---- | |
| | MDE-OCP | 12/7/1998 ((pre/mid/post-filter) | ND | ND | --- | |

Drinking Water Sampling Data for the Fruhling Area in Jarrettsville Harford County

| Sample Location | GAC installed <input checked="" type="checkbox"/> | Sampled by | Sample Event | Petroleum Constituents of Concern | | |
|---|---|---------------------------------|-----------------------------------|-----------------------------------|--|--|
| | | | | Benzene MCL at 5 ppb | MTBE State's Action Level – 20 ppb | Other Constituents Toluene - 1000 ppb; Ethylbenzene - 700 ppb; Xylene - 10.000 ppb. |
| OFF-SITE PRIVATE WELLS | | | | | | |
| 3873 Old Federal Hill Road (continued) | | MDE-OCP | 4/28/1999 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 7/26/1999 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 10/5/1999 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 1/19/2000 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 4/3/2000 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 7/13/2000 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 10/3/2000 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 1/31/2001 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 3/8/2001 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 4/24/2001 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 7/31/2001 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 10/31/2001 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 1/30/2002 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 5/30/2002 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 8/22/2002 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 11/7/2002 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 2/10/2003 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 5/30/2003 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 8/27/2003 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 11/19/2003 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 2/17/2004 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 5/24/2004 ((pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 8/27/2004 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 11/23/2004 ((pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 2/4/2005 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 5/11/2005 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 9/22/2005 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 1/13/2006 (pre/mid/post-filter) | ND | ND | ---- |
| | | MDE-OCP | 5/5/2006 (pre/mid/post-filter) | ND | ND | --- |
| | | MDE-OCP | 9/20/2006 (pre/mid/post-filter) | ND | ND | ---- |
| | MDE-OCP | 3/13/2007 (pre/mid/post-filter) | ND | ND | --- | |
| | MDE-OCP | 9/25/2007 (pre-filter) | ND | ND | ---- | |

Drinking Water Sampling Data for the Fruhling Area in Jarrettsville Harford County

| Sample Location | GAC installed <input checked="" type="checkbox"/> | Sampled by | Sample Event | Petroleum Constituents of Concern | | |
|---|---|------------------|------------------|-----------------------------------|--|--|
| | | | | Benzene MCL at 5 ppb | MTBE State's Action Level – 20 ppb | Other Constituents Toluene - 1000 ppb; Ethylbenzene - 700 ppb; Xylene - 10,000 ppb. |
| OFF-SITE PRIVATE WELLS | | | | | | |
| 3876 Old Federal Hill Road HA-71-0220 No date on well completion report Well Depth 145 ft Well Casing 53 ft 6 in diameter well | | MDE-OCP | 11/17/1980 (raw) | ND | ND | --- |
| | | MDE-OCP | 9/17/1981 (raw) | ND | ND | ---- |
| | | MDE-OCP | 10/18/1989 (raw) | ND | ND | --- |
| | | MDE-OCP | 3/1/1990 (raw) | ND | ND | ---- |
| | | MDE-OCP | 6/29/1990 (raw) | ND | ND | --- |
| | | MDE-OCP | 8/2/1990 (raw) | ND | ND | ---- |
| | | MDE-OCP | 9/6/1990 (raw) | ND | ND | --- |
| | | MDE-OCP | 11/20/1990 (raw) | ND | ND | ---- |
| | | MDE-OCP | 4/23/1993 (raw) | ND | ND | --- |
| | | MDE-OCP | 8/23/1995 (raw) | ND | ND | ---- |
| | | MDE-OCP | 1/26/1996 (raw) | ND | ND | --- |
| | | MDE-OCP | 5/28/1996 (raw) | ND | ND | ---- |
| | | MDE-OCP | 10/1/1996 (raw) | ND | ND | --- |
| | | MDE-OCP | 5/30/1997 (raw) | ND | ND | ---- |
| | | MDE-OCP | 10/6/1997 (raw) | ND | ND | --- |
| | | MDE-OCP | 3/17/1998 (raw) | ND | ND | ---- |
| | | MDE-OCP | 12/7/1998 (raw) | ND | ND | --- |
| | | MDE-OCP | 4/28/1999 (raw) | ND | ND | ---- |
| | | MDE-OCP | 7/26/1999 (raw) | ND | ND | --- |
| | | MDE-OCP | 10/5/1999 (raw) | ND | ND | ---- |
| | | MDE-OCP | 1/19/2000 (raw) | ND | ND | --- |
| | | MDE-OCP | 4/3/2000 (raw) | ND | ND | ---- |
| | | MDE-OCP | 7/13/2000 (raw) | ND | ND | --- |
| | | MDE-OCP | 10/3/2000 (raw) | ND | ND | ---- |
| | | MDE-OCP | 1/31/2001 (raw) | ND | ND | --- |
| | | MDE-OCP | 4/24/2001 (raw) | ND | ND | ---- |
| | | MDE-OCP | 7/31/2001 (raw) | ND | ND | --- |
| | | MDE-OCP | 10/31/2001 (raw) | ND | ND | ---- |
| | | MDE-OCP | 1/30/2002 (raw) | ND | ND | --- |
| | | MDE-OCP | 5/30/2002 (raw) | ND | ND | ---- |
| | | MDE-OCP | 8/22/2002 (raw) | ND | ND | --- |
| | | MDE-OCP | 11/7/2002 (raw) | ND | ND | ---- |
| | | MDE-OCP | 2/10/2003 (raw) | ND | ND | --- |
| | | MDE-OCP | 5/16/2003 (raw) | ND | ND | ---- |
| | MDE-OCP | 8/27/2003 (raw) | ND | ND | --- | |
| | MDE-OCP | 11/19/2003 (raw) | ND | ND | ---- | |
| | MDE-OCP | 2/17/2004 (raw) | ND | ND | --- | |
| | MDE-OCP | 5/24/2004 (raw) | ND | ND | ---- | |
| | MDE-OCP | 8/27/2004 (raw) | ND | ND | --- | |
| | MDE-OCP | 11/23/2004 (raw) | ND | ND | ---- | |
| | MDE-OCP | 2/4/2005 (raw) | ND | ND | --- | |
| | MDE-OCP | 5/11/2005 (raw) | ND | ND | ---- | |
| | MDE-OCP | 9/22/2005 (raw) | ND | ND | --- | |
| | MDE-OCP | 1/13/2006 (raw) | ND | ND | ---- | |

Drinking Water Sampling Data for the Fruhling Area in Jarrettsville Harford County

| Sample Location | GAC installed <input checked="" type="checkbox"/> | Sampled by | Sample Event | Petroleum Constituents of Concern | | |
|---|---|-----------------|-------------------------|-----------------------------------|--|--|
| | | | | Benzene MCL at 5 ppb | MTBE State's Action Level – 20 ppb | Other Constituents Toluene - 1000 ppb; Ethylbenzene - 700 ppb; Xylene - 10.000 ppb. |
| OFF-SITE PRIVATE WELLS | | | | | | |
| 3876 Old Federal Hill Road (continued) | | MDE-OCP | 5/5/2006 (raw) | ND | ND | --- |
| | | MDE-OCP | 9/20/2006 (raw) | ND | ND | ---- |
| | | MDE-OCP | 3/13/2007 (raw) | ND | ND | --- |
| | | MDE-OCP | 9/25/2007 (raw) | ND | ND | ---- |
| | | MDE-OCP | 11/9/2007 (raw) | ND | ND | --- |
| 3877 Old Federal Hill Rd | | MDE-OCP | 5/11/2005 (pre-filter) | ND | ND | --- |
| | | MDE-OCP | 5/11/2005 (post-filter) | ND | ND | ---- |
| | | MDE-OCP | 9/22/2005 (pre-filter) | ND | ND | --- |
| | | MDE-OCP | 1/30/2006 (pre-filter) | ND | ND | ---- |
| | | MDE-OCP | 7/31/2006 (pre-filter) | ND | ND | --- |
| | | MDE-OCP | 7/31/2006 (post-filter) | ND | ND | ---- |
| 3880 Old Federal Hill Road | | MDE-OCP | 6/16/1980 (raw) | ND | ND | --- |
| | | MDE-OCP | 11/17/1980 (raw) | 3 | ND | ---- |
| | | MDE-OCP | 11/24/1980 (raw) | 1 | ND | --- |
| | | MDE-OCP | 3/18/1981 (raw) | ND | ND | ---- |
| | | MDE-OCP | 9/1/1981 (raw) | 3 | ND | --- |
| | | MDE-OCP | 7/18/1982 (raw) | ND | ND | ---- |
| | | MDE-OCP | 6/6/1983 (raw) | 5 | ND | --- |
| | | MDE-OCP | 10/18/1989 (raw) | ND | ND | ---- |
| | | MDE-OCP | 3/12/1990 (raw) | ND | ND | --- |
| | | MDE-OCP | 5/31/1990 (raw) | 2 | ND | ---- |
| | | MDE-OCP | 6/29/1990 (raw) | ND | ND | --- |
| | | MDE-OCP | 8/2/1990 (raw) | ND | ND | ---- |
| | | MDE-OCP | 9/6/1990 (raw) | ND | ND | --- |
| | | MDE-OCP | 10/12/1990 (raw) | ND | ND | ---- |
| | | MDE-OCP | 11/20/1990 (raw) | ND | ND | --- |
| | | MDE-OCP | 3/7/1991 (raw) | ND | ND | ---- |
| | | MDE-OCP | 5/16/1991 (raw) | ND | ND | --- |
| | | MDE-OCP | 11/8/1991 (raw) | ND | ND | ---- |
| | | MDE-OCP | 10/12/1995 (raw) | ND | ND | --- |
| | | MDE-OCP | 6/5/1996 (raw) | ND | ND | ---- |
| | | MDE-OCP | 1/27/1997 (raw) | ND | ND | --- |
| | | MDE-OCP | 10/6/1997 (raw) | ND | ND | ---- |
| | | MDE-OCP | 3/17/1998 (raw) | ND | ND | --- |
| | | MDE-OCP | 12/7/1998 (raw) | ND | ND | ---- |
| | | MDE-OCP | 4/28/1999 (raw) | ND | ND | --- |
| | | MDE-OCP | 7/26/1999 (raw) | ND | ND | ---- |
| | MDE-OCP | 10/5/1999 (raw) | ND | ND | --- | |

Drinking Water Sampling Data for the Fruhling Area in Jarrettsville Harford County

| Sample Location | GAC installed <input checked="" type="checkbox"/> | Sampled by | Sample Event | Petroleum Constituents of Concern | | | |
|---|---|------------|------------------|-----------------------------------|--|--|------|
| | | | | Benzene MCL at 5 ppb | MTBE State's Action Level – 20 ppb | Other Constituents Toluene - 1000 ppb; Ethylbenzene - 700 ppb; Xylene - 10.000 ppb. | |
| OFF-SITE PRIVATE WELLS | | | | | | | |
| 3880 Old Federal Hill Road (continued) | | MDE-OCP | 4/3/2000 (raw) | ND | ND | --- | |
| | | MDE-OCP | 7/13/2000 (raw) | ND | ND | ---- | |
| | | MDE-OCP | 10/3/2000 (raw) | ND | ND | --- | |
| | | MDE-OCP | 1/31/2001 (raw) | ND | ND | ---- | |
| | | MDE-OCP | 4/24/2001 (raw) | ND | ND | --- | |
| | | MDE-OCP | 7/31/2001 (raw) | ND | ND | ---- | |
| | | MDE-OCP | 10/31/2001 (raw) | ND | ND | --- | |
| | | MDE-OCP | 1/30/2002 (raw) | ND | ND | ---- | |
| | | MDE-OCP | 5/30/2002 (raw) | ND | ND | --- | |
| | | MDE-OCP | 8/22/2002 (raw) | ND | ND | ---- | |
| | | MDE-OCP | 11/7/2002 (raw) | ND | ND | --- | |
| | | MDE-OCP | 2/10/2003 (raw) | ND | ND | ---- | |
| | | MDE-OCP | 5/16/2003 (raw) | ND | ND | --- | |
| | | MDE-OCP | 11/19/2003 (raw) | ND | ND | ---- | |
| | | MDE-OCP | 2/17/2004 (raw) | ND | ND | --- | |
| | | MDE-OCP | 5/24/2004 (raw) | ND | ND | ---- | |
| | | MDE-OCP | 8/27/2004 (raw) | ND | ND | --- | |
| | | MDE-OCP | 11/23/2004 (raw) | ND | ND | ---- | |
| | | MDE-OCP | 2/4/2005 (raw) | ND | ND | --- | |
| | | MDE-OCP | 5/11/2005 (raw) | ND | ND | ---- | |
| | | MDE-OCP | 9/22/2005 (raw) | ND | ND | --- | |
| | | MDE-OCP | 1/13/2006 (raw) | ND | ND | ---- | |
| | | MDE-OCP | 5/5/2006 (raw) | ND | ND | --- | |
| | | MDE-OCP | 9/20/2006 (raw) | ND | ND | ---- | |
| | | MDE-OCP | 3/13/2007 (raw) | ND | ND | --- | |
| | | MDE-OCP | 9/25/2007 (raw) | ND | ND | ---- | |
| | | | MDE-OCP | 9/22/2005 (raw) | ND | ND | --- |
| | | | MDE-OCP | 1/13/2006 (raw) | ND | ND | ---- |
| | | MDE-OCP | 5/5/2006 (raw) | ND | ND | --- | |
| | | MDE-OCP | 9/20/2006 (raw) | ND | ND | ---- | |
| | | MDE-OCP | 3/13/2007 (raw) | ND | ND | --- | |
| | | MDE-OCP | 9/25/2007 (raw) | ND | ND | ---- | |

Drinking Water Sampling Data for the Fruhling Area in Jarrettsville Harford County

| Sample Location | GAC installed <input checked="" type="checkbox"/> | Sampled by | Sample Event | Petroleum Constituents of Concern | | |
|---|---|------------------|------------------|-----------------------------------|--|--|
| | | | | Benzene MCL at 5 ppb | MTBE State's Action Level – 20 ppb | Other Constituents Toluene - 1000 ppb; Ethylbenzene - 700 ppb; Xylene - 10.000 ppb. |
| OFF-SITE PRIVATE WELLS | | | | | | |
| 1439 Knopp Road HA-81-4336 Installed 3/1988 Well Depth 100 ft Well Casing 35 ft 6 in diameter well | | MDE-OCP | 12/6/1989 (raw) | ND | ND | --- |
| | | MDE-OCP | 4/4/1990 (raw) | ND | ND | ---- |
| | | MDE-OCP | 9/6/1990 (raw) | ND | ND | --- |
| | | MDE-OCP | 1/10/1995 (raw) | ND | ND | ---- |
| | | MDE-OCP | 8/1/1996 (raw) | ND | ND | --- |
| | | MDE-OCP | 9/3/1996 (raw) | ND | ND | ---- |
| | | MDE-OCP | 5/30/1997 (raw) | ND | ND | --- |
| | | MDE-OCP | 10/6/1997 (raw) | ND | ND | ---- |
| | | MDE-OCP | 3/17/1998 (raw) | ND | ND | --- |
| | | MDE-OCP | 12/7/1998 (raw) | ND | ND | ---- |
| | | MDE-OCP | 4/28/1999 (raw) | ND | ND | --- |
| | | MDE-OCP | 7/26/1999 (raw) | ND | ND | ---- |
| | | MDE-OCP | 10/5/1999 (raw) | ND | ND | --- |
| | | MDE-OCP | 1/19/2000 (raw) | ND | ND | ---- |
| | | MDE-OCP | 4/3/2000 (raw) | ND | ND | --- |
| | | MDE-OCP | 7/13/2000 (raw) | ND | ND | ---- |
| | | MDE-OCP | 10/3/2000 (raw) | ND | ND | --- |
| | | MDE-OCP | 1/31/2001 (raw) | ND | ND | ---- |
| | | MDE-OCP | 4/24/2001 (raw) | ND | ND | --- |
| | | MDE-OCP | 7/31/2001 (raw) | ND | ND | ---- |
| | | MDE-OCP | 10/31/2001 (raw) | ND | ND | --- |
| | | MDE-OCP | 1/30/2002 (raw) | ND | ND | ---- |
| | | MDE-OCP | 5/30/2002 (raw) | ND | ND | --- |
| | | MDE-OCP | 8/22/2002 (raw) | ND | ND | ---- |
| | | MDE-OCP | 11/7/2002 (raw) | ND | ND | --- |
| | | MDE-OCP | 2/10/2003 (raw) | ND | ND | ---- |
| | | MDE-OCP | 5/16/2003 (raw) | ND | ND | --- |
| | | MDE-OCP | 8/27/2003 (raw) | ND | ND | ---- |
| | | MDE-OCP | 11/19/2003 (raw) | ND | ND | --- |
| | | MDE-OCP | 2/17/2004 (raw) | ND | ND | ---- |
| | | MDE-OCP | 5/24/2004 (raw) | ND | ND | --- |
| | | MDE-OCP | 8/27/2004 (raw) | ND | ND | ---- |
| | MDE-OCP | 11/23/2004 (raw) | ND | ND | --- | |
| | MDE-OCP | 2/4/2005 (raw) | ND | ND | ---- | |
| | MDE-OCP | 5/11/2005 (raw) | ND | ND | --- | |
| | MDE-OCP | 11/9/2005 (raw) | ND | ND | ---- | |
| | MDE-OCP | 5/5/2006 (raw) | ND | ND | --- | |
| | MDE-OCP | 11/13/2006 (raw) | ND | ND | ---- | |

Drinking Water Sampling Data for the Fruhling Area in Jarrettsville Harford County

| Sample Location | GAC installed <input checked="" type="checkbox"/> | Sampled by | Sample Event | Petroleum Constituents of Concern | | |
|---|---|------------------|------------------|-----------------------------------|--|--|
| | | | | Benzene MCL at 5 ppb | MTBE State's Action Level – 20 ppb | Other Constituents Toluene - 1000 ppb; Ethylbenzene - 700 ppb; Xylene - 10.000 ppb. |
| OFF-SITE PRIVATE WELLS | | | | | | |
| 1441 Knopp Road HA-81-4245 Installed Well Depth 300 ft | | MDE-OCP | 10/24/1989 (raw) | ND | ND | --- |
| | | MDE-OCP | 4/4/1990 (raw) | ND | ND | ---- |
| | | MDE-OCP | 9/6/1990 (raw) | ND | ND | --- |
| | | MDE-OCP | 1/10/1995 (raw) | ND | ND | ---- |
| | | MDE-OCP | 8/1/1996 (raw) | ND | ND | --- |
| | | MDE-OCP | 5/30/1997 (raw) | ND | ND | ---- |
| | | MDE-OCP | 10/6/1997 (raw) | ND | ND | --- |
| | | MDE-OCP | 3/17/1998 (raw) | ND | ND | ---- |
| | | MDE-OCP | 12/7/1998 (raw) | ND | ND | --- |
| | | MDE-OCP | 4/28/1999 (raw) | ND | ND | ---- |
| | | MDE-OCP | 7/26/1999 (raw) | ND | ND | --- |
| | | MDE-OCP | 10/5/1999 (raw) | ND | ND | ---- |
| | | MDE-OCP | 1/19/2000 (raw) | ND | ND | --- |
| | | MDE-OCP | 4/3/2000 (raw) | ND | ND | ---- |
| | | MDE-OCP | 7/13/2000 (raw) | ND | ND | --- |
| | | MDE-OCP | 10/3/2000 (raw) | ND | ND | ---- |
| | | MDE-OCP | 1/31/2001 (raw) | ND | ND | --- |
| | | MDE-OCP | 4/24/2001 (raw) | ND | ND | ---- |
| | | MDE-OCP | 7/31/2001 (raw) | ND | ND | --- |
| | | MDE-OCP | 10/31/2001 (raw) | ND | ND | ---- |
| | | MDE-OCP | 1/30/2002 (raw) | ND | ND | --- |
| | | MDE-OCP | 5/30/2002 (raw) | ND | ND | ---- |
| | | MDE-OCP | 8/22/2002 (raw) | ND | ND | --- |
| | | MDE-OCP | 11/7/2002 (raw) | ND | ND | ---- |
| | | MDE-OCP | 2/10/2003 (raw) | ND | ND | --- |
| | | MDE-OCP | 5/16/2003 (raw) | ND | ND | ---- |
| | | MDE-OCP | 8/27/2003 (raw) | ND | ND | --- |
| | | MDE-OCP | 11/19/2003 (raw) | ND | ND | ---- |
| | | MDE-OCP | 2/17/2004 (raw) | ND | ND | --- |
| | | MDE-OCP | 5/24/2004 (raw) | ND | ND | ---- |
| | | MDE-OCP | 8/27/2004 (raw) | ND | ND | --- |
| | | MDE-OCP | 11/23/2004 (raw) | ND | ND | ---- |
| | MDE-OCP | 2/4/2005 (raw) | ND | ND | --- | |
| | MDE-OCP | 5/11/2005 (raw) | ND | ND | ---- | |
| | MDE-OCP | 11/9/2005 (raw) | ND | ND | --- | |
| | MDE-OCP | 5/5/2006 (raw) | ND | ND | ---- | |
| | MDE-OCP | 11/13/2006 (raw) | ND | ND | --- | |

Drinking Water Sampling Data for the Fruhling Area in Jarrettsville Harford County

| Sample Location | GAC installed ✓ | Sampled by | Sample Event | Petroleum Constituents of Concern | | |
|--|-----------------|------------|---------------------|-----------------------------------|--|--|
| | | | | Benzene MCL at 5 ppb | MTBE State's Action Level – 20 ppb | Other Constituents Toluene - 1000 ppb; Ethylbenzene - 700 ppb; Xylene - 10.000 ppb. |
| OFF-SITE PRIVATE WELLS - Sampled during initial investigation phase | | | | | | |
| 3823 Old Federal Hill Road | | MDE-OCP | 7/10/1990 (raw) | ND | ND | |
| | | | 11/16/1990 (raw) | 194 | ND | Toluene - 18800, Ethylbenzene - 9540, Xylene - 64200 |
| 3839 Old Federal Hill Road | | MDE-OCP | 8/11/1994 (raw) | ND | ND | --- |
| 3853 Old Federal Hill Road | | MDE-OCP | 12/6/1989 (raw) | ND | ND | ---- |
| | | MDE-OCP | 9/6/1990 (raw) | ND | ND | --- |
| 3855 Old Federal Hill Road | | MDE-OCP | 3/1/1990 (raw) | ND | ND | ---- |
| 3856 Old Federal Hill road | | MDE-OCP | 12/6/1989 (raw) | ND | ND | --- |
| 3860 Old Federal Hill Road | | MDE-OCP | 3/12/1990 (raw) | ND | ND | ---- |
| | | MDE-OCP | 3/21/1990 (raw) | ND | ND | --- |
| 3861 Old Federal Hill Road | | MDE-OCP | 10/24/1989 (pond) | ND | 3109 | ---- |
| | | | 10/24/1989 (raw) | ND | ND | --- |
| | | MDE-OCP | 11/29/1989 (stream) | ND | ND | ---- |
| | | MDE-OCP | 12/7/1989 (raw) | ND | ND | --- |
| | | MDE-OCP | 3/1/1990 (raw) | ND | ND | ---- |
| | | MDE-OCP | 3/15/1990 (pond) | ND | ND | --- |
| | | | 3/15/1990 (stream) | ND | ND | ---- |
| | | MDE-OCP | 3/12/1990 (pond) | ND | ND | --- |
| | | | 3/12/1990 (spring) | ND | ND | ---- |
| | | MDE-OCP | 9/6/1990 (raw) | ND | ND | --- |
| 9/6/1990 (stream) | ND | | ND | ---- | | |
| 3863 Old Federal Hill Road | | MDE-OCP | 12/7/1989 (raw) | ND | ND | --- |
| | | MDE-OCP | 9/6/1990 (raw) | ND | ND | ---- |
| | | MDE-OCP | 10/26/1990 (raw) | ND | ND | --- |
| 3865 Old Federal Hill Road | | MDE-OCP | 9/6/1990 (raw) | ND | ND | ---- |
| 3868 Old Federal Hill Road | | MDE-OCP | 9/6/1990 (raw) | ND | | --- |
| 3867 Old Federal Hill Road | | MDE-OCP | 10/18/1989 (raw) | ND | ND | ---- |
| | | | 3/12/1990 (raw) | ND | ND | --- |
| | | | 5/31/1990 (raw) | ND | ND | ---- |
| | | | 8/2/1990 (raw) | ND | ND | --- |
| | | | 8/10/1990 (raw) | ND | ND | ---- |
| | | | 9/6/1990 (raw) | ND | ND | --- |
| | | | 11/20/1990 (raw) | ND | ND | ---- |
| | | | 3/7/1991 (raw) | ND | ND | --- |
| | | | 11/8/1991 (raw) | ND | ND | ---- |

Drinking Water Sampling Data for the Fruhling Area in Jarrettsville Harford County

| Sample Location | GAC installed <input checked="" type="checkbox"/> | Sampled by | Sample Event | Petroleum Constituents of Concern | | |
|-------------------------------|---|------------|-------------------------|-----------------------------------|--|--|
| | | | | Benzene MCL at 5 ppb | MTBE State's Action Level – 20 ppb | Other Constituents Toluene - 1000 ppb; Ethylbenzene - 700 ppb; Xylene - 10.000 ppb. |
| OFF-SITE PRIVATE WELLS | | | | | | |
| | | MDE-OCP | 9/6/1990 (raw) | ND | ND | --- |
| | | MDE-OCP | 11/20/1990 (raw) | ND | ND | ---- |
| | | MDE-OCP | 3/7/1991 (raw) | ND | ND | --- |
| | | MDE-OCP | 11/8/1991 (raw) | ND | ND | ---- |
| 3868 Old Federal Hill Road | | MDE-OCP | 10/18/1989 (raw) | ND | ND | --- |
| | | MDE-OCP | 3/12/1990 (raw) | ND | ND | ---- |
| 3872 Old Federal Hill Road | | MDE-OCP | 10/18/1989 (raw) | ND | ND | --- |
| | | MDE-OCP | 3/15/1990 (raw) | ND | ND | ---- |
| | | MDE-OCP | 5/31/1990 (raw) | ND | ND | --- |
| | | MDE-OCP | 9/6/1990 (raw) | ND | ND | ---- |
| | | MDE-OCP | 11/8/1991 (raw) | ND | ND | --- |
| 3879 Old Federal Hill Road | | MDE-OCP | 3/1/1990 (raw) | ND | ND | ---- |
| | | MDE-OCP | 5/8/1990 (raw) | ND | ND | --- |
| | | MDE-OCP | 11/6/1990 (raw) | ND | 2.8 | ---- |
| 3890 Old Federal Hill Road | | MDE-OCP | 8/11/1994 (pre-filter) | ND | ND | --- |
| | | | 8/11/1994 (post-filter) | ND | ND | ---- |
| 3904 Old Federal Hill Road | | MDE-OCP | 10/18/1989 (raw) | ND | ND | --- |
| | | MDE-OCP | 4/11/1990 (raw) | ND | ND | ---- |
| 3906 Old Federal Hill Road | | MDE-OCP | 10/18/1989 (raw) | ND | ND | --- |
| | | MDE-OCP | 4/6/1990 (raw) | ND | ND | ---- |
| | | MDE-OCP | 9/6/1990 (raw) | ND | ND | --- |
| 3912 Old Federal Hill Road | | MDE-OCP | 9/6/1990 (raw) | ND | ND | ---- |
| 1428 Knopp Road | | MDE-OCP | 11/29/1989 (raw) | ND | ND | --- |
| 1431 Knopp Road | | MDE-OCP | 12/6/1989 (raw) | ND | ND | ---- |
| 1433 Knopp Road | | MDE-OCP | 9/6/1990 (raw) | ND | ND | --- |
| 1435 Knopp Road | | MDE-OCP | 12/6/1989 (raw) | ND | ND | ---- |
| | | MDE-OCP | 9/6/1990 (raw) | ND | ND | --- |
| 1439 Knopp Road | | MDE-OCP | 10/18/1989 (raw) | ND | ND | ---- |
| 1443 Knopp Road | | MDE-OCP | 11/6/1990 (raw) | ND | ND | --- |
| 1452 Knopp Road | | MDE-OCP | 12/13/1989 (raw) | ND | ND | ---- |
| 1458 Knopp Road | | MDE-OCP | 10/18/1989 (raw) | ND | ND | --- |
| | | MDE-OCP | 12/13/1989 (raw) | ND | ND | ---- |
| | | MDE-OCP | 9/6/1990 (raw) | ND | ND | --- |