



USPS

April 23, 2019

Ms. Susan Bull
Maryland Department of the Environment
Oil Control Program
1800 Washington Boulevard
Baltimore, MD 21230

**SUBJECT: POTABLE WELL SAMPLING FREQUENCY REDUCTION REQUEST –
1836 PERRYVILLE ROAD**
Southside Facility #20025
31 Heather Lane
Perryville, Cecil County, Maryland
MDE Case No. 2006-0489-CE

Dear Ms. Bull:

At the request of Ms. Sheila Anderson, the property owner of 1836 Perryville Road, Perryville, Maryland, Kleinfelder has prepared this request to reduce the sampling frequency of the potable well at 1836 Perryville Road in Perryville, Maryland. A site plan depicting the location of 1836 Perryville Road is attached. As directed by the MDE in 2011, the potable well at 1836 Perryville Road has been sampled quarterly for full list volatile organic compounds (VOCs) including fuel oxygenates. Due to the inconvenience of sampling and consistent results less than one half the Maryland Department of the Environment (MDE) action level for methyl tertiary butyl ether (MTBE), Ms. Anderson requested Kleinfelder petition the MDE to reduce the sampling frequency from quarterly to semi-annual.

The most recent potable well sample from 1836 Perryville Road, collected February 5, 2019, was found to contain MTBE at a concentration of 4.3 micrograms per liter ($\mu\text{g/L}$). Since sampling was initiated at 1836 Perryville Road in April 2011, MTBE concentrations in the potable well samples have ranged between 2.1 $\mu\text{g/L}$ and 6.8 $\mu\text{g/L}$ and since August 2015 the MTBE results have been below 5 $\mu\text{g/L}$ (Table 1). All sampling results have been less than the MDE MTBE action level of 20 $\mu\text{g/L}$. As depicted in Chart 1, the MTBE concentrations exhibit a decreasing trend. Based on the magnitude and decreasing trend in MTBE concentrations, we request a reduction in sampling frequency to semi-annual with the well to be sampled in the First and Third Quarters (i.e. February and August). A written response to this request is greatly appreciated.

We appreciate the continued guidance of the MDE in the successful completion of this project. Please feel free to contact the undersigned at 410.850.0404 if you have questions.

Sincerely,

KLEINFELDER



Evan McMullen
Geologist

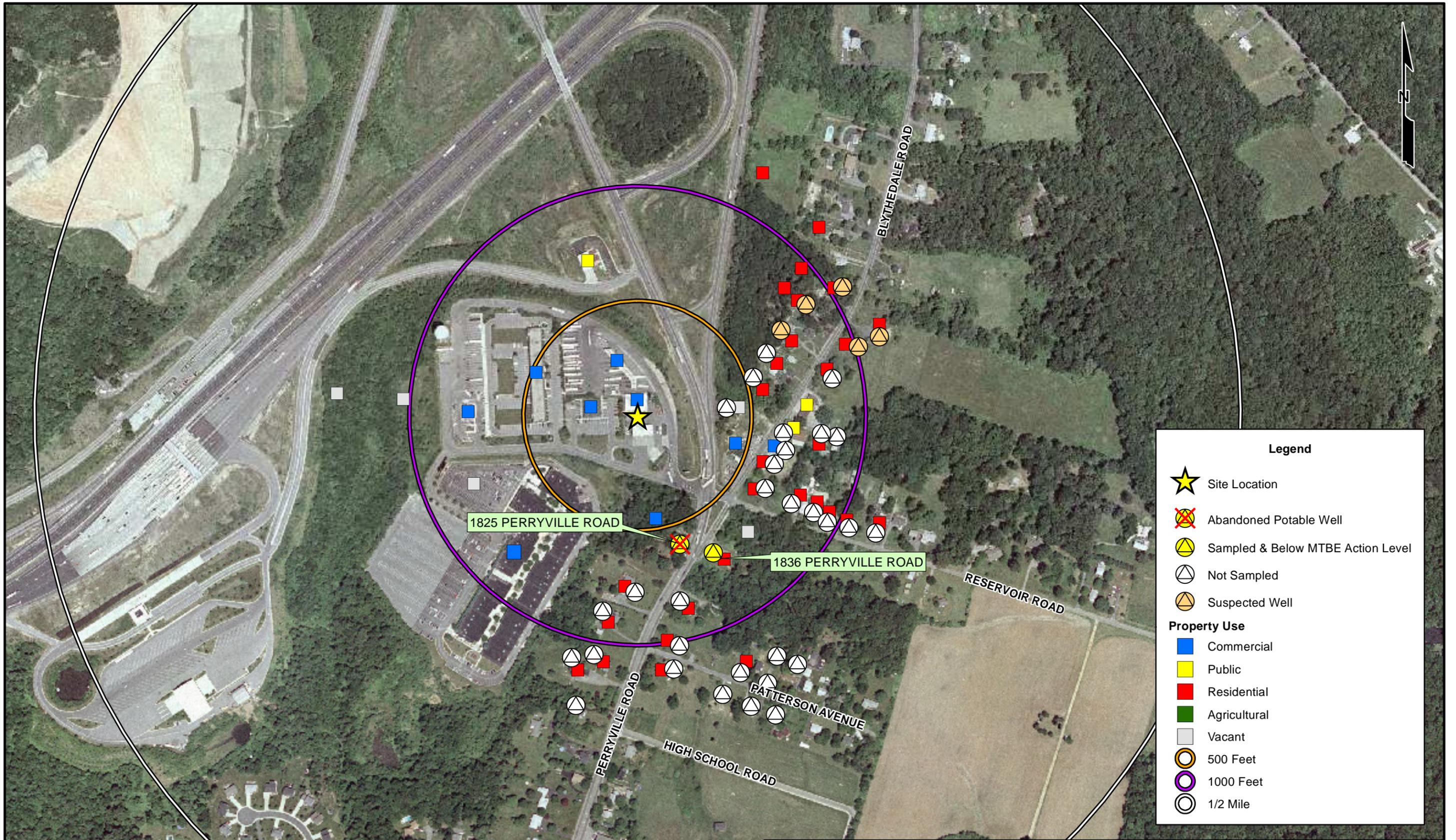


Mark Steele
Senior Program Manager

Enclosures

cc: Ms. Sheila B. Anderson
Ms. Rhonda Giovannitti – Sunoco (ENFOS)

FIGURE



Legend

- Site Location
- Abandoned Potable Well
- Sampled & Below MTBE Action Level
- Not Sampled
- Suspected Well

Property Use

- Commercial
- Public
- Residential
- Agricultural
- Vacant

- 500 Feet
- 1000 Feet
- 1/2 Mile

The information included on this graphic representation has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. This document is not intended for use as a land survey product nor is it designed or intended as a construction design document. The use or misuse of the information contained on this graphic representation is at the sole risk of the party using or misusing the information.



| | |
|-------------|-----------------------------|
| PROJECT NO. | 113847 |
| DRAWN: | 7/12/18 |
| DRAWN BY: | JR |
| CHECKED BY: | EM |
| FILE NAME: | 20025 LAM_PW SAMPLE LOC.mxd |

**LOCAL AREA MAP
WITH POTABLE WELL
SAMPLE LOCATIONS**

SOUTHSIDE FACILITY # 20025
31 HEATHER LANE
PERRYVILLE, MARYLAND
CECIL COUNTY

FIGURE
1

TABLE

TABLE 1

**Potable Well Point of Entry Treatment (POET) Analytical Data - 1836 Perryville Rd
Southside Facility #20025
31 Heather Lane
Perryville, Maryland**

April 14, 2011 through February 5, 2019

| Sample ID | Date | Benzene (µg/L) | Toluene (µg/L) | Ethyl- benzene (µg/L) | Total Xylenes (µg/L) | Total BTEX (µg/L) | MTBE (µg/L) | TBA (µg/L) | TAME (µg/L) | ETBE (µg/L) | DIPE (µg/L) | Naph- thalene (µg/L) | Comments |
|--------------------|------------|-------------------|-------------------|-----------------------------|----------------------------|-------------------------|----------------|---------------|----------------|----------------|----------------|----------------------------|----------|
| 1836 Perryville Rd | 04/14/2011 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 6.8 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 07/07/2011 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 6.1 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 12/16/2011 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 6.3 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 03/28/2012 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 6.2 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 06/05/2012 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 5.4 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 09/10/2012 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 5.8 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 12/14/2012 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 5.0 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 03/20/2013 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 5.6 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 06/21/2013 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 5.0 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 08/29/2013 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 5.3 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 12/12/2013 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 5.7 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 03/20/2014 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 3.9 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 06/30/2014 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 5.9 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 09/22/2014 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 5.0 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 12/18/2014 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 4.7 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 03/24/2015 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 5.2 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 06/24/2015 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 5.6 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 08/31/2015 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 4.4 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 12/21/2015 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 3.9 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 03/07/2016 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 4.4 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 06/09/2016 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 2.5 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 08/30/2016 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 2.9 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 12/19/2016 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 2.1 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 03/07/2017 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 2.1 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 06/19/2017 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 2.4 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 08/21/2017 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 4.5 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 12/14/2017 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 4.9 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | |
| | 02/27/2018 | ND(0.10) | ND(0.10) | ND(0.30) | ND(0.10) | BRL | 4.8 | ND(0.50) | 0.13 J | ND(0.060) | ND(0.10) | ND(0.30) | |
| 05/30/2018 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 4.8 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | | |
| 08/20/2018 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 3.2 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | | |
| 11/07/2018 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 4.1 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | | |
| 02/05/2019 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | BRL | 4.3 | ND(25) | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) | | |

Notes:

µg/L - micrograms per liter (µg/L)

BRL - Below laboratory reporting limits

BTEX - Benzene, toluene, ethylbenzene, and total xylenes

DIPE - Di-Isopropyl Ether

ETBE - Ethyl Tertiary Butyl Ether

J - Indicates an estimated value

MTBE - Methyl Tert Butyl Ether

NA - Not analyzed

ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.

NS - Not sampled

TAME - Tertiary Amyl Methyl Ether

TBA - Tertiary Butyl Alcohol

CHART

Chart 1
MTBE vs Time
1836 Perryville Road

