



NARRATIVE REPORT FORM

Facility Name: _____ Primary Facility ID: TBD

Inspection Date: 2/7/2025		Inspection Time: 14:10		Lat/Long: 40.275811, -74.861588	
Program:		<input type="checkbox"/> Storage Tanks	<input type="checkbox"/> HSCA	<input checked="" type="checkbox"/> LRP	
Owner Name: _____			Inspection ID: TBD		Site ID: TBD
Facility Location (911) Address: _____, Washington Crossing, PA 18977				Municipality: Upper Makefield Township	
				County: Bucks	
Responsible Official Name: Dustin Lipik, P.G. Title: Licensed Professional Geologist			Responsible Official Address: Southeast Regional Office, 2 East Main Street, Norristown, PA 19401		
Responsible Official Telephone: 484-250-5795 Email Address: dlipik@pa.gov			Interviewee #1 Name: _____ Affiliation: _____		
Interviewee #2 Name: Ben Weldon Affiliation: Upper Makefield Twp Supervisor Contact Info: 215-518-2549 / bweldon@uppermakefield.org			Interviewee #3 Name: _____ Affiliation: _____		

Narrative:
Dustin Lipik (DL) of the Pennsylvania Department of Environmental Protection (PADEP) left the Southeast Regional Office (SERO) at 13:20. DL arrived at _____, Washington Crossing, PA 18977 (Photo #1) at 14:10. _____ and Ben Weldon (BW) were already present on Site. _____ is the original complainant and neighbor residing at _____ Washington Crossing, PA 18977 and _____ Supervisors. BW is a municipal official serving as a member of Upper Makefield Township Board of Supervisors.

Upon arrival, DL spoke briefly with _____ about the complaint filed on Friday, February 7, 2025. _____ indicated that the owners of _____ and _____, had recently had a new potable well installed in front of _____ residence. _____ indicated that _____ first noticed a strong odor, described by _____ as a fuel odor, while walking near the drainage swale in front of the residence at _____ on Monday, February 3, 2025. _____ continued to notice the odor throughout the week and noticed a sheen on the surface of the soils and leaves in the drainage swale following precipitation events earlier in the week. _____ called in a complaint on Friday, February 7, 2025. BW joined the conversation and indicated that Upper Makefield Township (UM) was aware of the complaint and was present on Site to both observe the complaint investigation and to be available for questions from the residents.

DL observed that the work area surrounding the new potable well was muddy and hummocky due to track marks from heavy equipment (see Photo #2). The new potable well was installed approximately 35 feet (ft) south of the drainage swale with the land surface sloping from the new potable well (uphill) toward the drainage swale (downhill). The drainage swale directs water to a storm drain located approximately (~) 200 ft to the east along the southern side of _____ (see Photos #2 and #3).

DL noticed the strong odor described by _____ upon approaching the drainage swale. The drainage swales both in the vicinity of _____ and along both the northern and southern sides of _____ are earthen and vegetated with grasses. DL noticed that a large influx of fines and sediments, mostly gray in color, had been deposited in the drainage swale along the southern side of _____, starting at the drilling area at _____ and extending eastward along the drainage ditch before stopping ~25 ft west of the storm drain. These gray fines and sediments were not present on the land surface surrounding the wellhead. DL observed that the soils and leaves present in the areas covered by these gray fines and sediments had very strong olfactory evidence of impacts, while soils outside of the area of deposition did not (see Photos #4 and #5).

Following initial inspection of the wellhead and drainage swale areas, DL, _____, and BW spoke with _____, owner of the property located at _____ indicated that _____ owns the property along with _____, who was not present for the initial discussions with _____. _____ and _____ had lived at _____ for 60 years. _____ indicated that the new potable well was installed within the last few weeks after _____ former potable well had run dry. _____ indicated that the former potable well was about 90-100 ft deep.

The new potable well was installed by Raab Well Drilling (Raab). Per an itemized receipt for the well installation provided by _____, the new potable well was installed with 6-inch steel casing extending from ground surface to 63 ft bgs and a 6-inch open borehole from 63 ft bgs to at least 400 ft bgs. _____ indicated that Raab may have drilled deeper than the depth indicated on the receipt to locate water bearing fractures. The exact pump installation depth was not known, but the itemized receipt provided by _____ indicated that 360 ft of pump wiring and over 390 ft of steel drop pipe were used to install the pump.

DL asked _____ if _____ knew what quantities of solid and liquid wastes were generated during the installation activities. _____ did not know.



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DL asked [REDACTED] if [REDACTED] knew how Raab disposed of any wastes generated during the installation activities. [REDACTED] did not know.

DL asked [REDACTED] if [REDACTED] knew how Raab cleaned their equipment both during and at the end of installation activities. [REDACTED] did not know.

DL asked [REDACTED] if [REDACTED] water supply system had any treatment between the well pump and their distribution system. [REDACTED] indicated that there are no treatment systems present on any part of [REDACTED] water supply system. The pressure tank for the water supply system is in the basement of the residence.

DL, [REDACTED], and BW finished their initial conversation with [REDACTED] at 14:30 and returned to the drainage swale area. The group was then approached by [REDACTED]. [REDACTED] is a neighbor that lives at [REDACTED], Washington Crossing, PA 18977. [REDACTED] voluntarily disclosed that she [REDACTED] and is employed by [REDACTED]. [REDACTED] inquired about the group's activities at [REDACTED]. DL informed [REDACTED] about the complaint and that DL was present on Site as part of the complaint investigation.

DL spoke with Lisa Strobridge, P.G. (LS) of PADEP at 15:34 and 15:46. LS indicated that staff from Energy Transfer (ET) and Groundwater & Environmental Services, Inc. (GES), subcontractor to ET, were present in the area and intended to collect a water sample from [REDACTED] as soon as possible. LS was not certain when ET and GES would arrive. DL would remain on Site until ET and GES arrived.

Following DL's calls with LS, DL, [REDACTED], and BW spoke with [REDACTED] to inform her that ET and GES would soon arrive to collect a well water sample. Another neighbor identifying themselves as [REDACTED] approached the [REDACTED] residence and briefly joined the group conversation. [REDACTED] inquired about the complaint investigation at [REDACTED]. DL informed [REDACTED] about the complaint and that DL was present on Site as part of the complaint investigation. BW, [REDACTED], and [REDACTED] then discussed various topics including the public meeting held on Thursday, February 6, 2025, in the nearby Mt. Eyre neighborhood.

At 16:40, Joseph Massaro (JM) of ET (610-859-6428 / joseph.massaro@energytransfer.com) and two staff from GES arrived at [REDACTED]. DL explained the findings of the initial investigation to ET and GES. JM indicated that GES staff were present on Site to collect a water sample from the kitchen faucet of the [REDACTED] residence and to evaluate headspace vapor readings at the top of the new potable well. JM also indicated that ET/GES intended to collect soil samples from the drainage swale, but did not have bottle ware on hand to complete soil sampling. DL introduced JM and the GES staff to [REDACTED], who gave verbal permission for DL and the GES staff to enter the residence to collect the sample from the kitchen faucet.

DL and the two GES staff entered the residence and walked to the kitchen faucet. GES began purging the kitchen faucet at 16:55. [REDACTED] and [REDACTED] stood nearby during purging activities. After several minutes, [REDACTED] expressed concern with the amount of time the water was being purged and became visibly agitated. GES staff collected a photoionization detector (PID) reading of 1.1 parts per million from air space around the faucet at 16:59. GES stopped purging at 17:00 and collected samples for volatile organic compounds (VOCs) and dissolved lead. Neither DL nor GES staff smelled odors emanating from the faucet water during or after purging. [REDACTED] indicated that neither [REDACTED] nor [REDACTED] had detected any odors in [REDACTED] water since the installation of the new well.

GES staff informed [REDACTED] and [REDACTED] that they planned to check the headspace vapors at the top of the new potable well. [REDACTED] stated that under no circumstance was anyone allowed to lower anything in to the well but gave verbal permission for GES staff to open the well head and collect a PID reading. GES removed the lid, collected a PID reading of 0.1 ppm at the wellhead, and closed the well lid. Neither DL nor GES staff smelled odors emanating from the well while the well lid was removed.

JM provided his contact information to [REDACTED] and GES staff informed [REDACTED] that analytical results from the well water sample would be available in 3 business days. JM, GES staff, and [REDACTED] departed shortly after sample collection. [REDACTED] indicated that ET/GES were planning to collect a sample from his well at [REDACTED] later in the evening.

DL and BW remained behind to speak with [REDACTED]. DL provided [REDACTED] with contact information for DL and LS of PADEP, BW of Upper Makefield Township and the community hotline for Mt. Eyre Neighborhood Wells (877-397-3383).

DL and BW left site at 17:40. DL arrived at SERO at 18:25.



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PHOTOGRAPHS

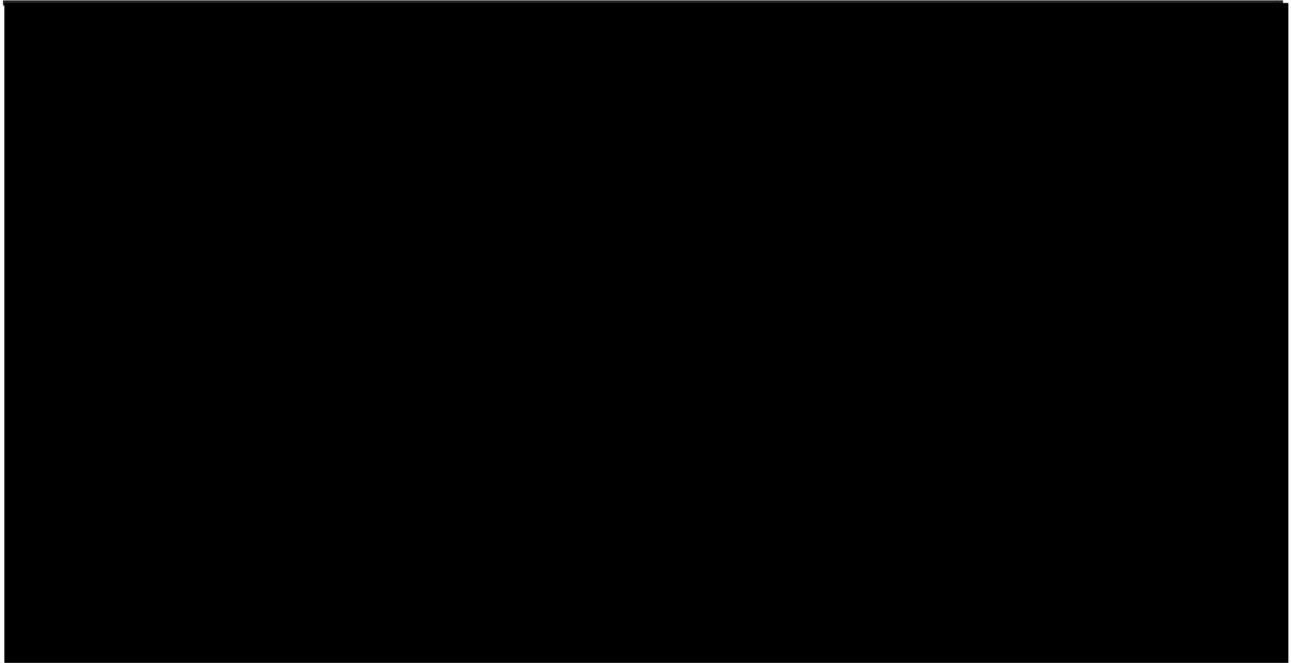


Photo #1

Location of [REDACTED], Washington Crossing, PA
Obtained: 2/10/2025 @ 14:05

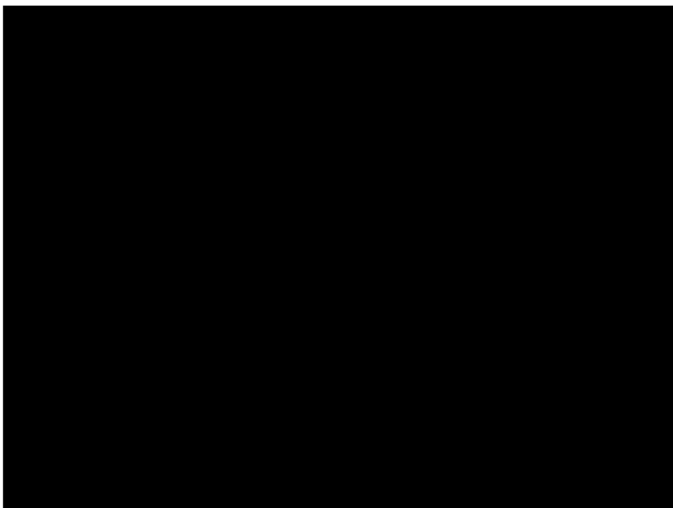


Photo #2

New potable well at [REDACTED], looking north.
[REDACTED] in background.
2/7/2025 @ 14:31



Photo #3

Work area in front yard of [REDACTED], looking south.
New potable well in top center with [REDACTED] Residence in background.
Gray fines and sediments in ditch in foreground contained strong odors.
2/7/2025 @ 16:42

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PHOTOGRAPHS



Photo #4

Drainage swale in front of [REDACTED], looking east along [REDACTED].
 Gray fines and sediments observed in ditch contained strong odors.
 2/7/2025 @ 16:42



Photo #5

Easternmost extent of gray fines and sediments emplaced in drainage ditch. Photo taken looking east along [REDACTED] with the driveway for [REDACTED] in top right.
 Storm water inlet located near white reflector in center top of photo.
 2/7/2025 @ 14:44.

DEP Representative Name Dustin Lipik, P.G.	DEP Representative Signature Dustin A. Lipik, P.G. <small>Digitally signed by Dustin A. Lipik, P.G. Date: 2025.02.10 14:45:30 -05'00'</small>	Title Licensed Professional Geologist	Date: 2/5/2025 Telephone: 484-250-5795
<i>Signature by the person interviewed does not necessarily imply concurrence with the findings on this report, but does acknowledge that the person was shown the report or that a copy was left with the person.</i>			
Interviewee Name	Interviewee Signature	Title	Date:
			Telephone: