



NARRATIVE REPORT FORM

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Facility Name: Upper Makefield Twp Pipeline Release
Primary Facility ID: 881609

Inspection Date: 3/20/2025		Inspection Time: 09:25 – 14:10		Lat/Long: 40.272571, -74.871958	
Program:		☐ Storage Tanks		☐ HSCA	
				☒ LRP	
Owner Name: N/A			Inspection ID: TBD		Site ID: TBD
Facility Location (911) Address: 108 Spencer Road, 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					
Entities Present at Site: Energy Transfer, Sunoco, L.P., Groundwater & Environmental Services, Inc., CTEH, Lewis Environmental, Earth Data Northeast, Bucks County Department of Health					
Narrative: The intent of this Pennsylvania Department of Environmental Protection (PADEP) inspection was to oversee recovery well installation activities at the property located at 108 Spencer Road, Washington Crossing, PA 18977 (the Site, Photo #1). Drilling began on Wednesday, March 19, 2025, when 5-inch steel casing was advanced in the recovery well borehole to a depth of 25 feet (ft) below ground surface (bgs) and grouted into place. Please see PADEP's field narrative dated March 19, 2025, for additional details of the first day of drilling activities. Dustin Lipik (DL), Caroline Spengler (CS), and Riley Paul-Cook (RPC) of the Pennsylvania Department of Environmental Protection (PADEP) left the Southeast Regional Office (SERO) at 08:40. PADEP arrived at the Site at 09:25. Matthew Sabetta, P.G. (MS), also of PADEP, met DL, CS, and RPC on Site at 09:30. Multiple entities were already present on Site upon DEP's arrival, including many staff from Energy Transfer LP (ET) and Sunoco L.P. (Sunoco), an air monitoring team from CTEH, a drilling team from Parratt-Wolff, Inc. (Parratt-Wolff), a vacuum tanker truck and operator from Lewis Environmental (Lewis) and several staff from Groundwater & Environmental Services, Inc. (GES), including the geologist overseeing drilling activities, Dan Sivco, P.G. (DS). Parratt-Wolff was in the process of setting their up their air-rotary drilling equipment at the recovery well, ET/Sunoco staff were adjusting soundproofing equipment (Photo #2) per request of nearby residents, CTEH was taking baseline air monitoring readings and setting up perimeter air sampling canisters (Photo #3), and GES staff were collecting pre-drilling water level readings and conducting visual inspections of nearby potable water wells. Lewis was on standby until needed for aqueous investigation derived waste (IDW) removal during drilling activities. PADEP walked to the drilling area at 09:45 and spoke with DS, who confirmed that the 5-inch steel casing had been installed to a depth of 25 ft bgs. DS indicated that planned activities included advancing the borehole to a depth of 70 ft bgs using a 4-7/8 diameter auger and air-rotary drilling methodology. IDW soils/cuttings would be containerized in 55-gallon, open-top, steel drums and staged in secondary containment on the Site property. Aqueous IDW would be collected via vacuum tanker truck and transported by Lewis for off-site disposal under an existing waste profile. At 10:12, Parratt-Wolff indicated that grout had accumulated at the base of the borehole and within the steel casing overnight. Prior to drilling, Parratt-Wolff would need to flush the borehole to remove the grout accumulation. Parratt-Wolff began grout flushing at 10:30. At this time, I spoke with [REDACTED], who had walked to the edge of the exclusion zone to watch drilling activities. I explained the operations [REDACTED] was observing and the plan for the day and offered my assistance with any questions [REDACTED] may have. DL also spoke briefly with Dave Fennimore, P.G. of Earth Data Northeast, Inc. (EDN), who was also present to oversee drilling activities, about the planned drilling.					

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Parratt-Wolff completed grout flushing activities around 11:00 and began drilling the open borehole at 11:10. Parratt-Wolff drilled from 25 ft bgs to 34.5 ft bgs between 11:10 and 11:50. DS indicated the cuttings became moist at 27 ft bgs and water was encountered at about (~) 31 ft bgs. Gus Borkland (GB) of ET was briefly present at the drilling area during this time.

For this segment of the open-borehole, no secondary containment was utilized by Parratt-Wolff, who indicated that they were waiting to reach the saturated zone before setting up their containment around the borehole. No evidence of petroleum impacts was observed in this portion of the borehole. PID readings collected from the borehole and cuttings during drilling of this segment were no greater than background in the immediate vicinity of the borehole (~0.5 to 1.0 parts per million [PPM]) due to exhaust from drilling equipment. Parratt-Wolff began setting up full containment around the borehole and Lewis mobilized to the drilling location to set up vacuum hoses for collection of aqueous IDW.

At 11:40, I spoke with Brendan O'Boyle of Bucks County Department of Health and explained the days activities.

At 11:57, I noticed that [REDACTED], was standing with four ET/GES staff at [REDACTED] potable wellhead, who were preparing to remove the pump from the well. I spoke with [REDACTED], who expressed frustration that GES staff had gotten a bailer stuck on a spacer bracket within the well. [REDACTED] was also frustrated that ET/GES staff were walking on plastic sheeting they had laid on the ground to protect well pump hosing during pump removal.

[REDACTED] indicated that this was the second time GES had gotten a bailer stuck in the well since the start of investigation activities, noting that [REDACTED] had previously informed GES that, due to the spacers within the well, a "pencil" (small diameter) bailer was required to collect water samples. Per [REDACTED] the bailer was stuck because GES had used a larger diameter bailer to collect water. [REDACTED] also expressed concern that GES was unable to collect a baseline water level/visual inspection reading from [REDACTED] potable well before, during, or after drilling activities on Wednesday, March 19 due to the bailer hitting a well spacer.

ET/GES staff began pump removal activities (Photo #4) at 12:00. By 12:30, the bailer had been retrieved and the well pump was reinstalled. In total, ~20 ft of hosing/wiring were lifted from the well to remove the bailer. No LNAPL was observed in the bailer sample (Photo #5). I again spoke with [REDACTED], who indicated that the pump had been reinstalled and was operational.

At 12:56, a reporter/camera operator team from 6ABC Action News arrived at Site. From 12:56 to 13:40, the 6ABC team collected footage of both drilling and well gauging activities. 6ABC left for a different part of the neighborhood at 13:40.

Parratt-Wolff continued drilling activities at 13:00 after setting up secondary containment (Photo #6). Between 13:00 and 13:43, the borehole was advanced from 34.5 ft bgs to ~45 ft bgs. At 13:43, drilling was stopped so Parratt-Wolff could fix the diverter shroud that redirects cuttings into the containment pad. Strong odors were briefly noted by PADEP and staff in the vicinity of the drilling area at ~40 ft bgs and ~42 ft bgs. DL and DS concurred that the source of the strong odors was the borehole. Though odors were detected, no visual evidence of petroleum impacts were observed, and DS indicated that PID readings increased slightly above 1.0 ppm, but remained less than 5.0 ppm. MS left Site ~13:40.

Parratt-Wolff continued drilling at 13:57. DL, CS, and RPC prepared to leave the Site. Prior to leaving, DL spoke with DS, who indicated that they will attempt to reach 70 ft bgs prior to the end of the work day. DL, CS, and RPC left Site at 14:10. PADEP drove from the Site and went north along Taylorsville Road to State Route 532 to inspect for odors reported to PADEP by a complainant earlier in the day. Odors indicative of a landfill were observed by PADEP staff, but no odors indicative of fuels were detected.

DL, CS, and RPC arrived at SERO at 15:30.

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Facility Name: Upper Makefield Twp Pipeline Release – 108 Spencer Road Primary Facility ID: 881609**PHOTOGRAPHS****Photo #1**

Location of 108 Spencer Road, Washington Crossing, PA

**Photo #2**Sound barriers at 108 Spencer Road.
3/20/2025 @ 10:38**Photo #3**Perimeter air monitoring station, southern side of 108 Spencer Road.
3/20/2025 @ 10:39

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Facility Name: Upper Makefield Twp Pipeline Release - 108 Spencer Road

Primary Facility ID: TBD

PHOTOGRAPHS



Photo #4

ET/GES staff removing pump from potable well at [REDACTED] Road.
3/20/2025 @ 12:07



Photo #5

Water sample from potable well at [REDACTED].
No LNAPL observed.
3/20/2025 @ 12:33.



Photo #6

Parratt-Wolff drilling recovery well.
3/20/2025 @ 13:11

DEP Representative Name Dustin Lipik, P.G.	DEP Representative Signature Dustin A. Lipik, P.G. Digitally signed by Dustin A. Lipik, P.G. Date: 2025.03.21 16:21:12 -0400	Title Licensed Professional Geologist	Date: 3/20/2025 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: