

TITLE					
SOUTH FORK 138/69KV UNDERGROUND TRANSMISSION PLAN & PROFILE EAST HAMPTON, NY					
BY	TRC	CHKD	DED	APP	AMW
DATE	07/08/20	DATE	07/08/20	DATE	07/08/20
H-SCALE	1" = 20'	SIZE	ARCH D	FIELD BOOK & PAGES	
V-SCALE	1" = 4'	V.S.		R.DWG.	
R.E. PROJ. NUMBER		DWG. NO.			19

South Fork Wind's plans are dated July 8, 2020. However, it did not submit the plans to the New York State Public Service Commission (NYSPSC) until August 6, 2021. By delaying for more than a year, South Fork Wind avoided review pursuant to NYSPSC Article VII. The plans were not subject to cross-examination, and went unchallenged.

South Fork Wind is mandated to provide an "evaluation of any known or suspected contaminated sites [...] and the expected maximum concentrations of the contaminants[.]" However, South Fork Wind carefully sampled soil at locations and depths that avoided locations of suspected PFAS contamination.

Well: SB-17A
Soil grab samples (S1 to S3, below) were combined "by mixing in a stainless-steel bowl."
S-1, depth = 0.5 ft
S-2, depth = 1.0 ft
S-3, depth = 1.5 ft

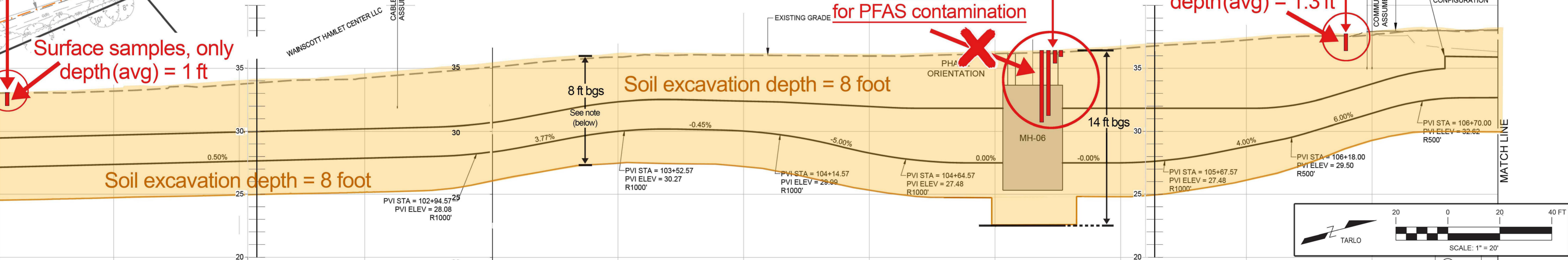
Well: SB-18B
Soil grab samples were tested for all the listed contaminants, except PFAS chemicals -
S-1, depth = 0.5 ft
S-2, depth = 1.0 ft
S-3, depth = 5.0 ft
S-4, depth = 5.5 ft

Well: SB-17B
Soil grab samples, (S1 to S3, below) were combined "by mixing in a stainless-steel bowl."
S-1, depth 0.0 ft
S-2, depth 1.0 ft
S-3, depth 3.0 ft

SB-17A
Surface samples, only
depth (avg) = 1 ft

NOT TESTED
for PFAS contamination

Surface samples, only
depth (avg) = 1.3 ft



Source: South Fork Wind, South Fork 138/68KV Underground Transmission Plan & Profile (pages 18 & 19), dated July 8, 2020. South Fork Wind delayed filing for more than a year before submitting the plans to the New York State Public Service Commission on August 6, 2021. These engineering drawings are dated November 5, 2021.

Case 18-T-0604: Deepwater Wind
Dewatering Plan, August 2021 (page 46 of 134)
Dewatering Plan, August 2021 (page 92b of 134)

Table 3-PFAS Results
Table 8-PFAS Results
South Fork Export Cable-Town Roads
GZA Job No. 41.0162804.02

Lab ID:		SC60421-05	SC60421-04	SC60331-16
PARAMETERS	UNITS	SB-17A	SB-17B	SB-19A
Matrix:		Grab Soil	Grab Soil	
Sample Location:		SB-17A	SB-17B	Grab Soil
Sample Depth:		3 ft	3 ft	3 ft
Sample Date:		1/11/2021	1/11/2021	12/23/2020
PFAS (EPA PFC_IDA)				
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	µg/kg	< 2.07	< 2.01	< 0.031
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	µg/kg	< 2.07	< 2.01	< 0.023
N-ethylperfluorooctanesulfonamidoacetic acid (NEtF	µg/kg	< 2.07	< 2.01	< 0.032
N-methylperfluorooctanesulfonamidoacetic acid (NMe	µg/kg	< 2.07	< 2.01	< 0.036
Perfluorobutanesulfonic acid (PFBS)	µg/kg	< 0.21	< 0.20	0.012 J, B
Perfluorobutanoic acid (PFBA)	µg/kg	< 0.52	< 0.50	< 0.20
Perfluorodecanesulfonic acid (PFDS)	µg/kg	< 0.21	< 0.20	< 0.020
Perfluorodecanoic acid (PFDA)	µg/kg	< 0.21	0.030 J	< 0.022
Perfluorododecanoic acid (PFDoA)	µg/kg	< 0.21	< 0.20	< 0.016
Perfluoroheptanesulfonic Acid (PFHpS)	µg/kg	< 0.21	< 0.20	< 0.016
Perfluoroheptanoic acid (PFHpA)	µg/kg	0.024 J	< 0.20	0.025 J
Perfluorohexanesulfonic acid (PFHxS)	µg/kg	0.021 J	< 0.20	0.027 J, B
Perfluorohexanoic acid (PFHxA)	µg/kg	< 0.21	< 0.20	0.033 J
Perfluorononanoic acid (PFNA)	µg/kg	< 0.21	0.029	0.055 J
Perfluorooctanesulfonamide (PFOSA)	µg/kg	< 0.21	< 0.20	< 0.0093
Perfluorooctanesulfonic acid (PFOS)	µg/kg	< 0.21	< 0.20	0.14 J
Perfluorooctanoic acid (PFOA)	µg/kg	0.032 J	0.033 J	0.14 J, B
Perfluoropentanoic acid (PFPeA)	µg/kg	< 0.21	0.019 J	< 0.019
Perfluorotetradecanoic acid (PFTeA)	µg/kg	< 0.21	< 0.20	< 0.020
Perfluorotridecanoic acid (PFTriA)	µg/kg	< 0.21	< 0.20	< 0.014
Perfluoroundecanoic acid (PFUnA)	µg/kg	< 0.21	< 0.20	< 0.025

Notes

- "<" indicates the parameter is not detected.
- Bold values indicate the constituent was detected above the laboratory reporting
- "J" indicates the result is less than the RL but greater than or equal to the MDL a
- "BD" indicates the soil sample is a blind duplicate sample.
- "NE" indicates a standard for the parameter is not established.
- "B" indicates the compound was detected in the method blank.

TEST BORING LOG



GZA
GeoEnvironmental, Inc.
Engineers and Scientists

Eversource Energy
 South Fork Wind Farm
 East Hampton, New York

EXPLORATION NO.: SB-19A
SHEET: 1 of 1
PROJECT NO: 41.0162804.02
REVIEWED BY: Rick Carlone

Logged By: Jessie Batalon
Drilling Co.: ADT
Foreman: Chris Iodice

Type of Rig: N/A
Rig Model: N/A
Drilling Method:
 Hand Auger

Boring Location: See Plan
Ground Surface Elev. (ft.): 38
Final Boring Depth (ft.): 5
Date Start - Finish: 12/23/2020 - 12/23/2020

H. Datum:

V. Datum: NAVD88

Hammer Type: N/A
Hammer Weight (lb.): N/A
Hammer Fall (in.): N/A
Auger or Casing O.D./I.D Dia (in.): N/A

Sampler Type: Hand Auger
Sampler O.D. (in.): 4"
Sampler Length (in.): N/A
Rock Core Size: N/A

Groundwater Depth (ft.)				
Date	Time	Stab. Time	Water	Casing
Not Measured				

Depth (ft)	Casing Blows/ (Core Rate)	Sample					SPT Value	Sample Description Modified Burmister	Remark	Field Test Data	Stratum		Equipment Installed
		No.	Depth (ft.)	Pen. (in)	Rec. (in)	Blows (RQD)					Depth (ft.)	Description	
5		S-1	0.0					S-1: Railroad ballast	1		1	BALLAST 37.0	No Equipment Installed
		S-2	1.0					S-2: Dark brown fine SAND, some Silt, trace fine to coarse gravel, moist	2	0.1	1.5	FILL 36.5	
		S-3	1.5					S-3: Brown fine SAND, trace fine Gravel, trace Silt, moist			5		
								End of exploration at 5 feet.	3				

REMARKS

1 - The headspace of soil samples was screened for total volatile organic compounds (TVOCs) using an Ion Science Tiger T-113941 (PID) equipped with a 10.6 ev lamp. ND indicates non-detected reading below the instruments detection of approximately 0.1 ppm.
 2 - Exploration performed and samples collected using a 4-inch diameter hand auger.
 3 - End of exploration at ±5 ft bgs.

See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Exploration No.:
SB-19A

TEST BORING LOG



GZA
GeoEnvironmental, Inc.
Engineers and Scientists

Eversource Energy
South Fork Wind Farm
East Hampton, New York

EXPLORATION NO.: SB-17A
SHEET: 1 of 1
PROJECT NO: 41.0162804.02
REVIEWED BY: Rick Carlone

Logged By: Benjamin Ramos
Drilling Co.: ADT
Foreman: Chris Iodice

Type of Rig: N/A
Rig Model: N/A
Drilling Method:
Hand Auger

Boring Location: See Plan
Ground Surface Elev. (ft.): 35
Final Boring Depth (ft.): 5
Date Start - Finish: 1/11/2021 - 1/11/2021

H. Datum:
V. Datum: NAVD88

Hammer Type: N/A
Hammer Weight (lb.): N/A
Hammer Fall (in.): N/A
Auger or Casing O.D./I.D Dia (in.): N/A

Sampler Type: Hand Auger
Sampler O.D. (in.): 4"
Sampler Length (in.): N/A
Rock Core Size: N/A

Groundwater Depth (ft.)

Date	Time	Stab. Time	Water	Casing
Not Measured				

Depth (ft)	Casing Blows/ (Core Rate)	Sample					SPT Value	Sample Description Modified Burmister	Remark	Field Test Data	Stratum		Equipment Installed
		No.	Depth (ft.)	Pen. (in)	Rec. (in)	Blows (RQD)					Depth (ft.)	Description	
5		S-1	0.5					S-1: Top 4": Asphalt	1			No Equipment Installed	
		S-2	1.0					S-1: Brown fine to medium SAND, trace Silt	2	0.1	FILL		
		S-3	1.5					S-2: Black fine to medium SAND, trace Silt S-3: Brown fine to coarse SAND, little fine gravel, trace Silt	3	0.1	30.0		
								End of exploration at 5 feet.					

REMARKS
1 - The headspace of soil samples was screened for total volatile organic compounds (TVOCs) using an Ion Science Tiger T-115029 (PID) equipped with a 10.6 ev lamp. ND indicates non-detected reading below the instruments detection of approximately 0.1 ppm.
2 - Hand augered to approximately 5ft bgs.
3 - End of exploration at ±5 ft bgs.

See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Exploration No.:
SB-17A

TEST BORING LOG



GZA
GeoEnvironmental, Inc.
Engineers and Scientists

Eversource Energy
South Fork Wind Farm
East Hampton, New York

EXPLORATION NO.: **SB-17B**
SHEET: 1 of 1
PROJECT NO: 41.0162804.02
REVIEWED BY: Rick Carlone

Logged By: Benjamin Ramos
Drilling Co.: ADT
Foreman: Chris Iodice

Type of Rig: N/A
Rig Model: N/A
Drilling Method:
Hand Auger

Boring Location: See Plan
Ground Surface Elev. (ft.): 35
Final Boring Depth (ft.): 5
Date Start - Finish: 1/11/2021 - 1/11/2021

H. Datum:
V. Datum: NAVD88

Hammer Type: N/A
Hammer Weight (lb.): N/A
Hammer Fall (in.): N/A
Auger or Casing O.D./I.D Dia (in.): N/A

Sampler Type: Hand Auger
Sampler O.D. (in.): 4"
Sampler Length (in.): N/A
Rock Core Size: N/A

Groundwater Depth (ft.)

Date	Time	Stab. Time	Water	Casing
Not Measured				

Depth (ft)	Casing Blows/ (Core Rate)	Sample					SPT Value	Sample Description Modified Burmister	Remark	Field Test Data	Stratum		Equipment Installed
		No.	Depth (ft.)	Pen. (in)	Rec. (in)	Blows (RQD)					Depth (ft.)	Description	
5		S-1	0.0					S-1: Black/gray fine to medium SAND, some fine to medium Gravel, trace Silt	1		5	30.0	No Equipment Installed
		S-2	1.0				S-2: Brown fine to medium SAND	2	0.1	FILL			
		S-3	3.0				S-3: Brown medium to coarse SAND, trace fine Gravel, trace Silt	3					
							End of exploration at 5 feet.						

REMARKS

1 - The headspace of soil samples was screened for total volatile organic compounds (TVOCs) using an Ion Science Tiger T-115029 (PID) equipped with a 10.6 ev lamp. ND indicates non-detected reading below the instruments detection of approximately 0.1 ppm.
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See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Exploration No.:
SB-17B