

Table 10 - Groundwater Sample Results  
 South Fork Export Cable-Town Roads  
 GZA Job No. 41.0162804.02

Lab ID:	PARAMETERS	UNITS	NY Ambient Water Quality Standards and Guidance Values	SC60466-05	SC60466-06	SC60466-07	SC60466-09	SC60466-08	SC60445-06	SC60445-07	SC60445-02
				MW-3A	MW-4A	MW-4B		MW-5B	MW-6A	MW-6B	MW-7A
Matrix:			GA	Ground Water	Ground Water	Ground Water	Ground Water - BD	Ground Water	Ground Water	Ground Water	Ground Water
Well Screen Depth:				5-10 ft bgs	10-20 ft bgs	5-20 ft bgs	5-20 ft bgs	9.5-19.5 ft bgs	10-25 ft bgs	15.3-25.3 ft bgs	14.3-24.3 ft bgs
Sample Date:				1/14/2021	1/14/2021	1/14/2021	1/14/2021	1/14/2021	1/13/2021	1/13/2021	1/13/2021
<b>Per- and Polyfluoroalkyl Substances (EPA PFC_IDA)</b>											
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ng/L	100	< 1.75	< 1.74	< 1.72	< 1.74	< 1.71	< 1.83	< 1.76	< 1.79	
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ng/L	100	< 4.38	< 4.35	< 4.29	< 4.34	< 4.29	< 4.58	< 4.40	< 4.48	
N-ethylperfluorooctanesulfonamidoacetic acid (NETF)	ng/L	100	< 4.38	< 4.35	< 4.29	< 4.34	< 4.29	< 4.58	< 4.40	< 4.48	
N-methylperfluorooctanesulfonamidoacetic acid (Nme)	ng/L	100	< 4.38	< 4.35	< 4.29	< 4.34	< 4.29	< 4.58	< 4.40	< 4.48	
Perfluorobutanesulfonic acid (PFBS)	ng/L	100	< 1.75	<b>1.67 J</b>	<b>1.73</b>	<b>1.79</b>	<b>3.53</b>	<b>0.64 J</b>	<b>1.21 J</b>	<b>9.42</b>	
Perfluorobutanoic acid (PFBA)	ng/L	100	< 4.38	<b>12.1</b>	<b>2.34 J</b>	<b>2.64 J</b>	< 4.29	< 4.58	<b>5.75</b>	<b>4.26 J</b>	
Perfluorodecanesulfonic acid (PFDS)	ng/L	100	< 1.75	< 1.74	< 1.72	< 1.74	< 1.71	< 1.83	< 1.76	< 1.79	
Perfluorodecanoic acid (PFDA)	ng/L	100	< 1.75	<b>24.3</b>	< 1.72	< 1.74	< 1.71	< 1.83	< 1.76	< 1.79	
Perfluorododecanoic acid (PFDoA)	ng/L	100	< 1.75	< 1.74	< 1.72	< 1.74	< 1.71	< 1.83	< 1.76	< 1.79	
Perfluoroheptanesulfonic Acid (PFHpS)	ng/L	100	< 1.75	< 1.74	<b>1.99</b>	<b>1.82</b>	< 1.71	< 1.83	< 1.76	< 1.79	
Perfluoroheptanoic acid (PFHpA)	ng/L	100	< 1.75	<b>20.4</b>	<b>2.29</b>	<b>2.41</b>	<b>0.64 J</b>	< 1.83	<b>0.73 J</b>	<b>4.89</b>	
Perfluorohexanesulfonic acid (PFHxS)	ng/L	100	< 1.75	<b>1.16 J</b>	<b>6.88</b>	<b>6.81</b>	<b>9.22</b>	<b>0.77 J</b>	<b>0.80 J</b>	<b>1.52 J</b>	
Perfluorohexanoic acid (PFHxA)	ng/L	100	< 1.75	<b>27.8</b>	<b>4.19</b>	<b>3.94</b>	<b>1.90</b>	< 1.83	<b>1.31 J</b>	<b>12.4</b>	
Perfluorononanoic acid (PFNA)	ng/L	100	< 1.75	<b>17.5</b>	< 1.72	< 1.74	< 1.71	< 1.83	< 1.76	< 1.79	
Perfluorooctanesulfonamide (PFOSA)	ng/L	100	< 1.75	< 1.74	< 1.72	< 1.74	< 1.71	< 1.83	< 1.76	< 1.79	
Perfluorooctanesulfonic acid (PFOS)	ng/L	10	<b>1.54 J</b>	<b>4.12</b>	<b>7.25</b>	<b>7.02</b>	< 1.71	<b>1.82 J</b>	<b>1.60 J</b>	<b>2.20</b>	
Perfluorooctanoic acid (PFOA)	ng/L	10	<b>1.09 J</b>	<b>50.0</b>	<b>5.34</b>	<b>5.79</b>	<b>1.85</b>	< 1.83	<b>1.78</b>	<b>8.58</b>	
Perfluoropentanoic acid (PFPeA)	ng/L	100	< 1.75	<b>31.3</b>	<b>2.74</b>	<b>2.98</b>	< 1.71	< 1.83	<b>1.21 J</b>	<b>14.3</b>	
Perfluorotetradecanoic acid (PFTeA)	ng/L	100	< 1.75	< 1.74	< 1.72	< 1.74	< 1.71	< 1.83	< 1.76	< 1.79	
Perfluorotridecanoic acid (PFTriA)	ng/L	100	< 1.75	< 1.74	< 1.72	< 1.74	< 1.71	< 1.83	< 1.76	< 1.79	
Perfluoroundecanoic acid (PFUnA)	ng/L	100	< 1.75	< 1.74	< 1.72	< 1.74	< 1.71	< 1.83	< 1.76	< 1.79	
PFOS and PFOA	ng/L	70 <sup>8</sup>	<b>2.63</b>	<b>54.12</b>	<b>12.59</b>	<b>12.81</b>	<b>1.85</b>	<b>1.82</b>	<b>3.38</b>	<b>10.78</b>	
Total PFAS	ng/L	500	<b>2.63</b>	<b>190.35</b>	<b>34.75</b>	<b>35.2</b>	<b>17.14</b>	<b>3.23</b>	<b>14.39</b>	<b>57.57</b>	
<b>Metals (SW846 6010C/7196A,EPA 245.1/7470A)</b>											
Silver	mg/L	0.05	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0200	< 0.0200	< 0.0200	
Aluminum	mg/L	NE	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	<b>0.300</b>	<b>0.298</b>	<b>0.753</b>	
Arsenic	mg/L	0.025	< 0.00800	< 0.00800	< 0.00800	< 0.00800	< 0.00800	< 0.00800	< 0.00800	< 0.00800	
Barium	mg/L	1	< 0.0100	<b>0.0198</b>	<b>0.0167</b>	<b>0.0165</b>	<b>0.0102</b>	< 0.0200	<b>0.0377</b>	<b>0.0319</b>	
Beryllium	mg/L	0.003	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	
Calcium	mg/L	NE	<b>12.4</b>	<b>23.0</b>	<b>20.8</b>	<b>20.7</b>	<b>3.69</b>	<b>13.5</b>	<b>2.91</b>	<b>27.3</b>	
Cobalt	mg/L	NE	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	
Cadmium	mg/L	0.005	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0100	< 0.0100	< 0.0100	
Chromium	mg/L	0.05	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	
Copper	mg/L	0.2	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	
Iron	mg/L	0.3	< 0.100	<b>0.304</b>	< 0.100	< 0.100	<b>0.117</b>	<b>0.632</b>	< 0.100	<b>0.944</b>	
Potassium	mg/L	NE	< 1.00	<b>1.99</b>	<b>1.56</b>	<b>1.56</b>	< 1.00	<b>4.26</b>	<b>3.70</b>	<b>4.72</b>	
Magnesium	mg/L	35	<b>4.84</b>	<b>4.74</b>	<b>6.31</b>	<b>6.23</b>	<b>1.68</b>	<b>2.80</b>	<b>2.16</b>	<b>5.42</b>	
Manganese	mg/L	0.3	<b>0.0142</b>	<b>0.0590</b>	<b>0.0202</b>	<b>0.0199</b>	<b>0.0305</b>	<b>0.498</b>	<b>0.059</b>	<b>0.118</b>	
Sodium	mg/L	20	<b>9.85</b>	<b>13.8</b>	<b>10.0</b>	<b>9.93</b>	<b>22.3</b>	<b>15.5</b>	<b>32.3</b>	<b>18.2</b>	
Nickel	mg/L	0.1	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	
Lead	mg/L	0.025	< 0.0150	< 0.0150	< 0.0150	< 0.0150	< 0.0150	< 0.0300	< 0.0300	< 0.0300	
Antimony	mg/L	0.003	< 0.0170	< 0.0170	< 0.0170	< 0.0170	< 0.0170	< 0.0170	< 0.0170	< 0.0170	
Selenium	mg/L	0.01	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0300	< 0.0300	< 0.0300	
Thallium	mg/L	0.0005	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	
Vanadium	mg/L	NE	< 0.0420	< 0.0420	< 0.0420	< 0.0420	< 0.0420	< 0.0500	< 0.0500	< 0.0500	
Zinc	mg/L	2	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	
Cr (VI)	µg/L	50	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	
Mercury	mg/L	0.0007	<b>0.00023</b>	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	

Source: South Fork Wind, Appendix H - Final HWPWP Part 3 (Attachment E), Environmental Investigation Report by GZA GeoEnvironmental of New York (revised April 1, 2021), Table 10, Monitoring Well MW-4A (PDF 103 of 137). Uploaded to is dps.ny.gov (on April 21, 2021)—  
<https://documents.dps.ny.gov/public/Common/ViewDoc.aspx?DocRefId={7F6C6BBF-6053-455D-AF06-E440FB46C63F}> (File No.: 282) (last accessed May 16, 2023)

Table 10 - Groundwater Sample Results  
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 GZA Job No. 41.0162804.02

Lab ID:	PARAMETERS	UNITS	NY Ambient Water Quality Standards and Guidance Values	SC60445-08	SC60445-03	SC60475-05	SC60476-03	SC60476-04	SC60476-05	SC60445-04	SC60475-01
				MW-8A	MW-8B	MW-10A	MW-12A	MW-15A	MW-18B	Field Blank	FB011521
Matrix:				Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	Ground Water	PFAS Free Water	PFAS Free Water
			GA	5-10 ft bgs	5-10 ft bgs	14.8-24.8 ft bgs	25-35 ft bgs	15.4-30.4 ft bgs	25-30 ft bgs		
				1/13/2021	1/13/2021	1/15/2021	1/18/2021	1/18/2021	1/18/2021	1/13/2021	1/15/2021
<b>Per- and Polyfluoroalkyl Substances (EPA PFC_IDA)</b>											
	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ng/L	100	< 1.80	< 1.77	< 1.78	< 1.82	< 1.77	< 1.80	< 1.70	< 1.66
	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ng/L	100	< 4.50	< 4.42	< 4.44	< 4.55	< 4.42	< 4.49	< 4.25	< 4.15
	N-ethylperfluorooctanesulfonamidoacetic acid (NETF)	ng/L	100	< 4.50	< 4.42	< 4.44	< 4.55	< 4.42	< 4.49	< 4.25	< 4.15
	N-methylperfluorooctanesulfonamidoacetic acid (Nme)	ng/L	100	< 4.50	< 4.42	< 4.44	< 4.55	< 4.42	< 4.49	< 4.25	< 4.15
	Perfluorobutanesulfonic acid (PFBS)	ng/L	100	<b>0.61 J</b>	<b>0.70 J</b>	<b>4.09</b>	<b>2.04</b>	<b>2.15</b>	<b>0.69 J</b>	< 1.70	< 1.66
	Perfluorobutanoic acid (PFBA)	ng/L	100	<b>3.45 J</b>	< 4.42	<b>2.17 J</b>	<b>3.54 J</b>	<b>5.63</b>	<b>1.66 J</b>	< 4.25	< 4.15
	Perfluorodecanesulfonic acid (PFDS)	ng/L	100	< 1.80	< 1.77	< 1.78	< 1.82	< 1.77	< 1.80	< 1.70	< 1.66
	Perfluorodecanoic acid (PFDA)	ng/L	100	< 1.80	< 1.77	< 1.78	<b>0.61 J</b>	< 1.77	< 1.80	< 1.70	< 1.66
	Perfluorododecanoic acid (PFDoA)	ng/L	100	< 1.80	< 1.77	< 1.78	< 1.82	< 1.77	< 1.80	< 1.70	< 1.66
	Perfluoroheptanesulfonic Acid (PFHpS)	ng/L	100	< 1.80	< 1.77	< 1.78	< 1.82	< 1.77	< 1.80	< 1.70	< 1.66
	Perfluoroheptanoic acid (PFHpA)	ng/L	100	<b>1.55 J</b>	< 1.77	<b>1.27 J</b>	<b>3.62</b>	<b>3.47</b>	<b>1.19 J</b>	< 1.70	< 1.66
	Perfluorohexanesulfonic acid (PFHxS)	ng/L	100	<b>0.64 J</b>	< 1.77	< 1.78	<b>0.79 J</b>	<b>1.37 J</b>	<b>1.0 J</b>	< 1.70	< 1.66
	Perfluorohexanoic acid (PFHxA)	ng/L	100	<b>6.31</b>	< 1.77	<b>3.48</b>	<b>1.70 J</b>	<b>2.44</b>	<b>1.36 J</b>	< 1.70	< 1.66
	Perfluorononanoic acid (PFNA)	ng/L	100	< 1.80	< 1.77	< 1.78	<b>0.57 J</b>	<b>1.07 J</b>	< 1.80	< 1.70	< 1.66
	Perfluorooctanesulfonamide (PFOSA)	ng/L	100	< 1.80	< 1.77	< 1.78	< 1.82	< 1.77	< 1.80	< 1.70	< 1.66
	Perfluorooctanesulfonic acid (PFOS)	ng/L	10	<b>2.64</b>	< 1.77	< 1.78	<b>3.35</b>	<b>14.7</b>	<b>1.03 J</b>	< 1.70	< 1.66
	Perfluorooctanoic acid (PFOA)	ng/L	10	<b>3.30</b>	< 1.77	<b>2.72</b>	<b>3.72</b>	<b>9.11</b>	<b>1.42 J</b>	< 1.70	< 1.66
	Perfluoropentanoic acid (PFPeA)	ng/L	100	<b>6.37</b>	< 1.77	<b>1.89</b>	< 1.82	<b>1.31 J</b>	<b>1.01 J</b>	< 1.70	< 1.66
	Perfluorotetradecanoic acid (PFTeA)	ng/L	100	< 1.80	< 1.77	< 1.78	< 1.82	< 1.77	< 1.80	< 1.70	< 1.66
	Perfluorotridecanoic acid (PFTriA)	ng/L	100	< 1.80	< 1.77	< 1.78	< 1.82	< 1.77	< 1.80	< 1.70	< 1.66
	Perfluoroundecanoic acid (PFUnA)	ng/L	100	< 1.80	< 1.77	< 1.78	< 1.82	< 1.77	< 1.80	< 1.70	< 1.66
	PFOS and PFOA	ng/L	70 <sup>8</sup>	<b>5.94</b>	0	<b>2.72</b>	<b>7.07</b>	<b>23.81</b>	<b>2.45</b>	0	< 1.66
	Total PFAS	ng/L	500	<b>24.87</b>	<b>0.70</b>	<b>15.62</b>	<b>19.94</b>	<b>41.25</b>	<b>9.36</b>	0	< 1.66
<b>Metals (SW846 6010C/7196A,EPA 245.1/7470A)</b>											
	Silver	mg/L	0.05	< 0.0200	< 0.0200	< 0.0100	< 0.0100	< 0.0100	< 0.0100	NT	NT
	Aluminum	mg/L	NE	<b>0.106</b>	<b>0.771</b>	<b>0.0695</b>	< 0.0500	<b>0.395</b>	<b>0.591</b>	NT	NT
	Arsenic	mg/L	0.025	< 0.00800	< 0.00800	< 0.00800	< 0.00800	< 0.00800	< 0.00800	NT	NT
	Barium	mg/L	1	<b>0.0329</b>	<b>0.0615</b>	<b>0.0314</b>	<b>0.0111</b>	<b>0.0176</b>	<b>0.696</b>	NT	NT
	Beryllium	mg/L	0.003	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	NT	NT
	Calcium	mg/L	NE	<b>19.4</b>	<b>12.8</b>	<b>20.7</b>	<b>10.7</b>	<b>17.9</b>	<b>4.69</b>	NT	NT
	Cobalt	mg/L	NE	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	NT	NT
	Cadmium	mg/L	0.005	< 0.0100	<b>0.0119</b>	< 0.0050	< 0.0100	< 0.0100	< 0.0100	NT	NT
	Chromium	mg/L	0.05	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	NT	NT
	Copper	mg/L	0.2	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	NT	NT
	Iron	mg/L	0.3	<b>2.08</b>	<b>2.48</b>	<b>0.151</b>	< 0.100	<b>0.509</b>	<b>0.551</b>	NT	NT
	Potassium	mg/L	NE	<b>3.11</b>	<b>3.94</b>	<b>4.48</b>	<b>1.27</b>	1.93	<b>1.04</b>	NT	NT
	Magnesium	mg/L	35	<b>4.00</b>	<b>2.86</b>	<b>3.55</b>	<b>2.39</b>	<b>2.13</b>	<b>1.40</b>	NT	NT
	Manganese	mg/L	0.3	<b>1.04</b>	<b>0.955</b>	<b>0.0127</b>	<b>0.0672</b>	<b>0.14</b>	<b>0.247</b>	NT	NT
	Sodium	mg/L	20	<b>16.9</b>	<b>17.2</b>	<b>17.8</b>	<b>20.0</b>	<b>35.5</b>	<b>66.7</b>	NT	NT
	Nickel	mg/L	0.1	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	NT	NT
	Lead	mg/L	0.025	< 0.0300	< 0.0300	< 0.0150	< 0.0150	< 0.0150	< 0.0150	NT	NT
	Antimony	mg/L	0.003	< 0.0170	< 0.0170	< 0.0120	< 0.0120	< 0.0120	< 0.0120	NT	NT
	Selenium	mg/L	0.01	< 0.0300	< 0.0300	< 0.0300	< 0.0300	< 0.0300	< 0.0300	NT	NT
	Thallium	mg/L	0.0005	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	< 0.0100	NT	NT
	Vanadium	mg/L	NE	< 0.0500	< 0.0500	< 0.0100	< 0.0100	< 0.0100	< 0.0100	NT	NT
	Zinc	mg/L	2	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	< 0.0200	NT	NT
	Cr (VI)	µg/L	50	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0	NT	NT
	Mercury	mg/L	0.0007	< 0.00020	< 0.00020	< 0.00050	< 0.00050	< 0.00050	< 0.00050	NT	NT

Source: South Fork Wind, Appendix H - Final HWPWP Part 3 (Attachment E), Environmental Investigation Report by GZA GeoEnvironmental of New York (revised April 1, 2021), Table 10, Soil Bore/Monitoring Well SB/MW-15A (PDF 108 of 137). Uploaded to is dps.ny.gov (on April 21, 2021)—  
<https://documents.dps.ny.gov/public/Common/ViewDoc.aspx?DocRefId={7F6C6BBF-6053-455D-AF06-E440FB46C63F}> (File No.: 282) (last accessed May 16, 2023)