

fYNOP Surface Water Sampling Field Data Sheet									
Date: 1/26/2021		Sampling Unit ID: Peristaltic Pump GSC #642					Weather: L-30° H-37°, light rain and chance of snow, rain started @ 0900		
Sampler(s): Casey Littlefield and Erin Peeling		Water Quality Instrument ID: Horiba U52 EES #83086							
Location ID	Sampling Time	Water Quality Parameters							Comments
		pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature	Sal.	ORP	
SW-29	09:10	5.14	0.570	72.0	7.50	3.43	0.3	248	
SW-8	09:25	5.98	0.542	16.1	8.56	3.02	0.3	273	
SW-13	09:45	6.45	0.584	399	3.95	2.66	0.3	250	
SW-16	10:10	6.70	0.548	9.1	8.71	2.75	0.3	274	
SW-17	10:20	6.63	0.816	123	0.93	10.95	0.0	197	Duplicate Collected "HD-QC1-0/1-1"
SW-6	10:50	7.00	0.601	199	9.04	3.90	0.3	212	
SW-26	11:10	7.04	0.753	44.5	5.24	7.10	0.2	224	
SW-7	11:30	7.20	0.629	38.1	8.16	3.83	0.4	223	
SW-27	11:40	7.49	0.677	20.7	7.97	3.84	0.3	220	
SW-15	11:45	7.39	0.807	10.3	0.85	9.69	0.1	227	MS/MSD Collected
SW-9	12:50	7.31	0.762	10.6	7.40	6.13	0.3	242	
SW-28	13:05	7.50	0.763	18.5	7.30	6.16	0.3	235	

USGS 01575585 Codorus Creek at Pleasureville, PA. Gauge Hight (FEET) 2.1
 USGS 01575585 Codorus Creek at Pleasureville, PA. Discharge (CFS) 147
 West Parking Lot Groundwater Extraction System Pump Rate (GPM) 233

fYNOP Surface Water Sampling Field Data Sheet									
Date: 2/25/2021		Sampling Unit ID: Peristaltic Pump GSC #641					Weather: L-38° H-49°		
Sampler(s): Casey Littlefield and Erin Peeling		Water Quality Instrument ID: Horiba U52 EES #83085							
Location ID	Sampling Time	Water Quality Parameters							Comments
		pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature	Sal.	ORP	
SW-29	9:25	5.36	0.594	50.3	9.17	8.91	0.3	250	
SW-8	9:40	5.91	0.526	32.5	6.82	13.81	0.3	207	
SW-13	10:00	6.3	0.618	412	8.45	9.81	0.3	198	
SW-16	10:25	6.68	0.565	58	7.46	11.44	0.3	191	
SW-17	10:40	6.94	0.631	57.6	8.31	8.36	0.3	176	Duplicate Collected "HD-QC1-0/1-1"
SW-6	11:05	7.14	0.754	28	10.04	8.01	0.4	172	
SW-26	11:25	7.25	0.677	35.2	7.97	10.84	0.3	175	
SW-7	11:45	7.36	0.623	73.5	9.26	9.03	0.3	173	
SW-27	12:05	7.45	0.588	45.4	9.26	8.8	0.3	155	
SW-15	12:10	7.41	0.806	83.2	1.93	11.38	0.4	150	MS/MSD Collected
SW-9	12:45	7.35	0.745	136	14.03	12.1	0.4	163	
SW-28	12:55	7.54	0.841	111	9.7	9.49	0.41	154	

USGS 01575585 Codorus Creek at Pleasureville, PA. Gauge Hight (FEET) 2.9
 USGS 01575585 Codorus Creek at Pleasureville, PA. Discharge (CFS) 487
 West Parking Lot Groundwater Extraction System Pump Rate (GPM) 230

fYNOP Surface Water Sampling Field Data Sheet									
Date: 3/24/2021		Sampling Unit ID: Peristaltic Pump GSC #641					Weather: H-53°, 3/4" to 1" rain		
Sampler(s): Casey Littlefield and Kelly Bauer		Water Quality Instrument ID: Horiba U52 EES #82417							
Location ID	Sampling Time	Water Quality Parameters							Comments
		pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature	Sal.	ORP	
SW-29	9:00	5.16	0.688	13.7	9.8	11.39	0.3	250	
SW-8	9:15	6.42	0.633	5.9	9.39	11.38	0.3	253	
SW-13	9:40	6.7	0.591	31.8	9.67	11.85	0.3	279	
SW-16	10:00	7.17	0.573	250	9.87	12.52	0.3	253	
SW-17	10:20	7.18	0.746	51.2	10.78	11.52	0.3	235	Duplicate Collected "HD-QC1-0/1-1"
SW-6	11:00	7.53	0.563	51.2	10.78	11.52	0.3	235	
SW-26	11:30	7.39	0.89	23.8	8.78	13.04	0.4	245	
SW-7	11:45	7.15	0.608	36.2	9.52	12.12	0.3	244	
SW-27	12:10	7.7	0.56	34.2	9.49	11.92	0.3	205	
SW-15	12:20	7.49	0.957	56	7.91	13.3	0.5	205	MS/MSD Collected
SW-9	12:40	7.61	0.652	129	9.77	13.15	0.3	226	
SW-28	12:45	7.89	0	188	10.05	13.09	0	219	

USGS 01575585 Codorus Creek at Pleasureville, PA. Gauge Hight (FEET) 2.6
 USGS 01575585 Codorus Creek at Pleasureville, PA. Discharge (CFS) 400
 West Parking Lot Groundwater Extraction System Pump Rate (GPM) 226

fYNOP Surface Water Sampling Field Data Sheet									
Date: 4/26/2021		Sampling Unit ID: Peristaltic Pump GSC #641					Weather: L-37° H-63°, sunny, 0% chance of rain		
Sampler(s): Casey Littlefield and Erin Peeling		Water Quality Instrument ID: Horiba U52 EES #16635							
Location ID	Sampling Time	Water Quality Parameters							Comments
		pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature	Sal.	ORP	
SW-29	9:30	6.56	0.549	29.3	7.91	14.33	0.3	233	
SW-8	9:45	6.44	0.535	16.4	7.54	15.38	0.3	220	
SW-13	10:05	7.45	0.558	11.6	7.58	15.25	0.3	170	
SW-16	10:30	7.76	0.523	12.7	8.59	15.47	0.3	158	
SW-17	10:40	7.12	0.724	149	2.5	14.05	0.4	4	Duplicate Collected "HD-QC1-0/1-1"
SW-6	11:00	7.79	0.562	12.4	10.96	13.33	0.3	129	
SW-26	11:20	6.97	1.16	12.6	4.21	15.3	0.6	142	
SW-7	11:40	7.15	0.517	13.2	8.81	18.73	0.2	142	
SW-27	11:55	7.31	0.539	66.2	9.76	16.61	0.3	138	
SW-15	12:05	6.76	0.875	11.6	0	14.48	0.4	147	MS/MSD Collected
SW-9	13:25	7.6	0.643	9.1	10.21	18.54	0.3	99	
SW-28	13:45	7.54	0.616	38.3	9.68	17.58	0.3	134	

USGS 01575585 Codorus Creek at Pleasureville, PA. Gauge Hight (FEET) 2.1
 USGS 01575585 Codorus Creek at Pleasureville, PA. Discharge (CFS) 197
 West Parking Lot Groundwater Extraction System Pump Rate (GPM) 239

fYNOP Surface Water Sampling Field Data Sheet									
Date: 5/25/2021		Sampling Unit ID: Peristaltic Pump GSC #641					Weather: L-58° H-77°, cloudy		
Sampler(s): Casey Littlefield and Erin Peeling		Water Quality Instrument ID: Horiba U52 EES #82910							
Location ID	Sampling Time	Water Quality Parameters							Comments
		pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature	Sal.	ORP	
SW-29	8:50	6.17	0.743	2	6.22	17.51	0.4	232	
SW-8	9:10	7.09	0.704	0	6.5	17.33	0.3	215	
SW-13	9:25	7.25	0.699	403	6.24	17.52	0.3	209	
SW-16	9:50	7.5	0.685	42.6	6.1	18.17	0.3	204	
SW-17	10:05	7.67	0.727	196	4.33	17.66	0.4	64	Duplicate Collected "HD-QC1-0/1-1"
SW-6	10:25	7.75	0.662	58.5	7.48	18.57	0.3	191	
SW-26	10:45	7.87	1.12	30.6	4.45	15.98	0.6	191	
SW-7	11:05	7.9	0.732	297	7.09	18.92	0.3	173	
SW-27	11:20	7.93	0.715	668	7.67	19.75	0.2	182	
SW-15	11:30	7.91	0.791	77.6	2.5	19.66	0.4	199	MS/MSD Collected
SW-9	12:10	7.76	0.829	3.3	7.57	19.88	0.4	195	
SW-28	12:25	7.95	0.802	26.8	7.28	21.39	0.3	190	

USGS 01575585 Codorus Creek at Pleasureville, PA. Gauge Hight (FEET) 1.9
 USGS 01575585 Codorus Creek at Pleasureville, PA. Discharge (CFS) 129
 West Parking Lot Groundwater Extraction System Pump Rate (GPM) 232

fYNOP Surface Water Sampling Field Data Sheet									
Date: 6/24/2021		Sampling Unit ID: Peristaltic Pump GSC #641					Weather: L-54° H-77°, sunny		
Sampler(s): Casey Littlefield and Kelly Bauer		Water Quality Instrument ID: Horiba U52 EES #83085							
Location ID	Sampling Time	Water Quality Parameters							Comments
		pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature	Sal.	ORP	
SW-29	9:10	5.72	0.59	261	4.69	19.54		245	
SW-8	9:25	7.74	0.515	67.7	5.74	19.48		259	
SW-13	9:40	7.84	0.497	142	5.98	20.49		283	
SW-16	9:55	7.98	0.494	26.7	6.61	21.1		287	
SW-17	10:05	7.53	0.805	0	1.74	16.87		298	Duplicate Collected "HD-QC1-0/1-1"
SW-6	10:55	7.75	0.663	207	5.33	21.62		295	
SW-26	11:10	7.85	0.582	144	3.43	25.06		300	
SW-7	11:20	8.04	0.582	99.8	7.35	24.17		281	
SW-27	11:30	8.37	0.572	57.7	5.45	24.38		274	
SW-15	11:40	8.12	0.614	16.5	6.51	19.37		281	MS/MSD Collected
SW-9	12:30	7.99	0.834	22.2	7.73	23.65		293	
SW-28	12:45	8.32	0.809	75.6	6.04	23.39		265	

USGS 01575585 Codorus Creek at Pleasureville, PA. Gauge Hight (FEET) 1.8
 USGS 01575585 Codorus Creek at Pleasureville, PA. Discharge (CFS) 109
 West Parking Lot Groundwater Extraction System Pump Rate (GPM) 220

fYNOP Surface Water Sampling Field Data Sheet									
Date: 7/29/2021		Sampling Unit ID: Peristaltic Pump GSC #641					Weather: 80°, partly cloudy, chance of rain at 1600		
Sampler(s): Casey Littlefield and Erin Peeling		Water Quality Instrument ID: Horiba U52 EES #16636							
Location ID	Sampling Time	Water Quality Parameters							Comments
		pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature	Sal.	ORP	
SW-29	8:15	6.10	0.689	50.8	2.18	24.16	0.3	248	
SW-8	8:25	6.82	0.623	34.3	3.04	24.04	0.3	278	
SW-13	8:50	7.42	0.605	179	6.01	24.15	0.3	27	
SW-16	9:10	7.61	0.601	49.4	3.42	24.49	0.3	258	
SW-17	9:25	7.67	0.613	72.0	5.94	24.05	0.3	261	Duplicate Collected "HD-QC1-0/1-1"
SW-6	9:45	7.79	0.608	63.2	4.13	25.00	0.3	256	
SW-26	10:10	7.70	0.717	15.8	3.58	25.40	0.3	244	
SW-7	10:35	7.94	0.604	12.1	4.00	25.40	0.3	244	
SW-27	10:50	7.97	0.694	7.9	5.91	25.48	0.3	253	
SW-15	11:00	7.72	0.751	2.5	0.00	22.86	0.4	267	MS/MSD Collected
SW-9	11:25	7.84	0.807	5.2	5.14	26.09	0.4	255	
SW-28	11:40	8.12	0.703	9.8	4.64	27.08	0.3	243	

USGS 01575585 Codorus Creek at Pleasureville, PA. Gauge Hight (FEET) 1.8
 USGS 01575585 Codorus Creek at Pleasureville, PA. Discharge (CFS) 113
 West Parking Lot Groundwater Extraction System Pump Rate (GPM) 232

fYNOP Surface Water Sampling Field Data Sheet									
Date: 8/26/2021		Sampling Unit ID: Peristaltic Pump GSC #641					Weather: L-74° H-92°, sunny		
Sampler(s): Casey Littlefield and Erin Peeling		Water Quality Instrument ID: Horiba U52 EES							
Location ID	Sampling Time	Water Quality Parameters							Comments
		pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature	Sal.	ORP	
SW-29	9:35	6.07	0.71	64.7	5.55	24.85	0.3	225	
SW-8	9:45	6.68	0.676	12.7	6.16	24.57	0.3	245	
SW-13	9:57	6.94	0.676	0	6.27	24.74	0.3	231	
SW-16	10:25	7.09	0.665	48.1	5.71	26.61	0.3	213	
SW-17	10:35	7.25	0.807	173	1.53	24.9	0.4	217	Duplicate Collected "HD-QC1-0/1-1"
SW-6	11:00	6.74	0.636	17.7	6.7	27.04	0.3	204	
SW-26	11:20	6.81	0.985	32.3	5.59	21.72	0.4	220	
SW-7	11:40	7.37	0.691	13.2	7.72	26.7	0.3	190	
SW-27	11:57	7.55	0.691	174	7.49	30.15	0.3	191	
SW-15	12:10	7.23	0.384	1.2	1.65	13.73	0.4	211	MS/MSD Collected
SW-9	12:45	7.92	0.818	130	7.89	26.2	0.4	192	
SW-28	13:00	7.57	0.805	7.1	6.96	27.74	0.3	208	

USGS 01575585 Codorus Creek at Pleasureville, PA. Gauge Hight (FEET) 2.1
 USGS 01575585 Codorus Creek at Pleasureville, PA. Discharge (CFS) 170
 West Parking Lot Groundwater Extraction System Pump Rate (GPM) 231

fYNOP Surface Water Sampling Field Data Sheet									
Date: 09/24/21		Sampling Unit ID: Peristaltic Pump GSC #641					Weather: L-44° H-54°, partly cloudy		
Sampler(s): Casey Littlefield and Chris O'Neil		Water Quality Instrument ID: Horiba U52 EES #83085							
Location ID	Sampling Time	Water Quality Parameters							Comments
		pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature	Sal.	ORP	
SW-29	0830	6.68	0.380	55.6	6.86	13.52	0.2	287	
SW-8	0845	7.20	0.348	30.4	6.87	14.27	0.2	307	
SW-13	0910	7.38	0.326	19.4	4.94	17.99	0.2	312	
SW-16	0930	7.65	0.331	120	5.85	17.79	0.2	309	
SW-17	0945	7.41	0.504	38.3	3.07	17.69	0.2	256	Duplicate Collected "HD-QC1-0/1-1"
SW-6	1015	7.63	0.382	1.1	7.35	18.11	0.2	297	
SW-26	1035	7.55	0.438	0.0	5.44	19.01	0.2	305	
SW-7	1105	7.64	0.347	0.0	5.17	20.06	0.2	297	
SW-27	1120	7.69	0.340	7.8	6.38	20.16	0.2	293	
SW-15	1130	7.40	0.839	0.0	0.00	16.13	0.4	302	MS/MSD Collected
SW-9	1230	7.76	0.508	73.8	5.73	20.52	0.2	116	
SW-28	1245	7.89	0.546	0.0	5.45	20.24	0.3	236	

USGS 01575585 Codorus Creek at Pleasureville, PA. Gauge Hight (FEET) 3.4
 USGS 01575585 Codorus Creek at Pleasureville, PA. Discharge (CFS) 709
 West Parking Lot Groundwater Extraction System Pump Rate (GPM) NA

fYNOP Surface Water Sampling Field Data Sheet									
Date: 10/20/21		Sampling Unit ID: Peristaltic Pump GSC #641					Weather: L-55° H-75°, sunny		
Sampler(s): Casey Littlefield and Erin Peeling		Water Quality Instrument ID: Horiba U52 EES #83085							
Location ID	Sampling Time	Water Quality Parameters							Comments
		pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature	Sal.	ORP	
SW-29	0900	7.26	0.579	7.8	11.5	14.21	0.3	227	
SW-8	0910	7.56	0.570	34.3	7.41	14.62	0.3	277	
SW-13	0935	7.63	0.568	10.4	7.7	14.88	0.3	291	
SW-16	0950	7.43	0.566	8.7	7.77	15.13	0.3	307	
SW-17	1015	7.18	0.799	0.3	0	16.30	0.4	316	Duplicate Collected "HD-QC1-0/1-1"
SW-6	1120	7.74	0.523	13.6	9.5	17.01	0.3	284	
SW-26	1150	7.75	0.810	2.6	3.11	21.23	0.3	298	
SW-7	1205	8.15	0.548	29.5	8.70	20.00	0.3	269	
SW-27	1220	8.27	0.564	380	11.5	20.81	0.3	263	
SW-15	1230	7.89	0.784	81.6	0	10.89	0.4	283	MS/MSD Collected
SW-9	1318	7.96	0.698	46.6	11.30	20.88	0.3	289	
SW-28	1340	8.10	0.654	30.8	7.43	23.30	0.3	269	

USGS 01575585 Codorus Creek at Pleasureville, PA. Gauge Hight (FEET) 2.0
 USGS 01575585 Codorus Creek at Pleasureville, PA. Discharge (CFS) 147
 West Parking Lot Groundwater Extraction System Pump Rate (GPM) NA

fYNOP Surface Water Sampling Field Data Sheet									
Date: 11/29/21		Sampling Unit ID: Peristaltic Pump GSC #641					Weather: H-43 L-25, Sunny, Wind WNW 7 MPH		
Sampler(s): Casey Littlefield and Erin Peeling		Water Quality Instrument ID: YSI Water Qual. Meter EES #81493 and Hanna Turb. Meter EES #82924							
Location ID	Sampling Time	Water Quality Parameters							Comments
		pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature	Sal.	ORP	
SW-29	0840	7.21	0.343	1.98	12.54	5.39	0.27	42.0	
SW-8	0855	7.31	0.333	5.91	13.74	5.08	0.26	44.5	
SW-13	0910	7.46	0.342	16.1	13.14	5.65	0.26	43.4	
SW-16	0930	7.47	0.343	5.24	14.86	5.79	0.26	43.2	
SW-17	0940	7.06	0.651	1.78	1.86	12.38	0.42	20.5	Duplicate Collected "HD-QC1-0/1-1"
SW-6	1000	7.62	0.348	2.08	18.12	5.88	0.26	36.9	
SW-26	1025	7.22	0.725	38.2	9.02	13.62	0.47	49.4	
SW-7	1040	7.70	0.386	4.47	13.20	7.25	0.28	39.7	
SW-27	1055	7.76	0.381	25.4	16.91	7.65	0.28	41.6	
SW-15	1105	7.37	0.625	7.92	2.15	12.49	0.41	45.6	MS/MSD Collected
SW-9	1150	7.81	0.454	9.39	13.00	10.01	0.31	32.0	
SW-28	1205	7.80	0.462	3.64	12.86	10.26	0.32	41.7	

USGS 01575500 Codorus Creek near York, PA. Gauge Hight (FEET) 2.4
 USGS 01575500 Codorus Creek near York, PA. Discharge (CFS) 111
 West Parking Lot Groundwater Extraction System Pump Rate (GPM) NA

fYNOP Surface Water Sampling Field Data Sheet									
Date: 12/17/2021		Sampling Unit ID: Peristaltic Pump GSC #641					Weather: Partly Cloudy 51.		
Sampler(s): Casey Littlefield and Chris O'Neil		Water Quality Instrument ID: Horiba U52 EES # 82910							
Location ID	Sampling Time	Water Quality Parameters							Comments
		pH	Conductivity (mS/cm)	Turbidity (NTU)	DO (mg/L)	Temperature	Sal.	ORP	
SW-29	08:30	6.11	0.796	54.5	12.06	9.52	0.4	226	Low Creek Flow
SW-8	08:43	6.92	0.671	19.6	8.87	13.03	0.3	207	
SW-13	09:00	7.47	0.743	28.8	10.91	10.3	0.4	201	
SW-16	09:25	7.79	0.752	101	11.34	10.41	0.4	202	
SW-17	09:35	7.67	0.993	12.7	3.29	13.29	0.5	203	Duplicate Collected "HD-QC1-0/1-1"
SW-6	10:05	7.89	0.666	21.4	11.82	13.39	0.3	201	
SW-26	10:35	7.89	1.11	9	5.71	13.77	0.5	213	
SW-7	10:45	8.09	0.808	5.7	12.05	10.32	0.4	205	
SW-27	11:05	8.36	0.771	16.5	11.7	12.16	0.4	202	
SW-15	11:15	8.32	0.969	3.5	3.31	13.94	0.5	214	MS/MSD Collected
SW-9	11:45	8.16	0.888	8.6	11.66	13.01	0.4	214	
SW-28	11:55	8.34	0.825	51.4	10.25	15.02	0.4	212	

USGS 01575500 Codorus Creek near York, PA. Gauge Hight (FEET) 2.2
 USGS 01575500 Codorus Creek near York, PA. Discharge (CFS) 84.4
 West Parking Lot Groundwater Extraction System Pump Rate (GPM) NA