	Surv	ey Date												01/14	1/2019										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	DBF	RI - Del	bris Re	moval		Comr	nents															
	Т	ide												Flo	bod										
		Location												B1	188										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										200 ft ²	2					
Samp	le ID					011	419-DBF	RI-F-U										01	1419-DBI	RI-F-D					
Sample	Time						14:15												14:07						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(ppb)						(ppm)						(ppb)					
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1
Water C Stand		*	0.0007	8.2	5.6	8.0	66	ı	-	1	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66			-	-	16	0.0006
esult ⁴	s			NS NS															NS						
Analytical Result ⁴	М	21.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS	-	-				

ND = Not Detected

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected as close to turbidity curtain as practicable

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												01/15	5/2019										
	Surve	у Туре												V - Vess	sel Based										
Co	onstructi	ion Activ	ity	DBF	RI - Del	bris Re	moval		Com	nents															
		ide													ood										
		Location												В	188										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									l	Downcur	rent					
Distan Sou			Approx. 500 - 1000 ft ¹																225 ft	2					
Samp	le ID					011	519-DBF	RI-F-U										01	1519-DBI	RI-F-D					
Sample	Time						13:38												13:30						
		pəl							P	СВ		a	ne	pel							PO	СВ	1	o.	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					((ppb)						(ppm)					((ppb)				ı	
Detection	n Limit ³	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1
Water C	-	*	0.0007	8.2	5.6	8.0	66		-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-		16	0.0006
sulf⁴	s		NS																NS						
Analytical Result⁴	М	20.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В		•			٠	NS	٠					•				•		NS	٠	٠		•		•

ND = Not Detected

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected as close to turbidity curtain as practicable

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												01/15	5/2019										
	Surve	у Туре												V - Vess	sel Based	l									
Co	onstructi	ion Activi	ity	ļ	BLST	- Blasti	ng		Comi	ments															
	Т	ide										•		E	bb										
		Location												East And	chor Spar	า									
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou		Approx. 500 - 1000 ft ¹																	2500 ft	2					
Samp	le ID	Approx. 500 - 1000 ft ¹ 011519-BLST-E-U															01	1519-BLS	T-E-D						
Sample	Time						11:52												11:21						
		pə							P	СВ			e.	pə							P	СВ			ЭE
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	iit	(ppm)					((ppb)						(ppm)					((ppb)					
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	ı	0.1
Water G Stand	•	*	0.0007	8.2	5.6	8.0	66		-			16	0.0006	*	0.0007	8.2	5.6	8.0	66			-		16	0.0006
sult4	s	13.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	13.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	19.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	53.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected as clost to the 500ft mixing zone as practicable

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

	Surv	ey Date												01/17	7/2019										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	TIPO		iber Pil noval	e Cap		Comi	ments															
	Т	ide												E	bb										
		Location												В	54										
Sam Locat	tion					Upcu	rrent (A	mbien	t)									ı	Downcuri	rent					
Distan Sour						Appro	x. 500 -	1000 f	t ¹										500 ft ²	!					
Samp	le ID					011	719-TIP	C-E-U										01	1719-TIP	C-E-D					
Sample	Time						10:30												10:18						
		pə							P	СВ	r	_	ЭС	pə							PC	В	1		эс
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(ppb)						(ppm)					(ppb)					
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1
Water C Stand	-	*	0.0007	8.2	5.6	8.0	66	-1	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	1	-	1	-	16	0.0006
esult ⁴	s						NS												NS						
Analytical Result ⁴	М	25.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В						NS			•									NS						

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

ND = Not Detected

	Surv	ey Date												01/18	3/2019										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	TIP		nber Pil moval	e Cap		Com	nents															
	Т	ide												E	bb										
		Location												В	54										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					011	819-TIP	C-E-U										01	1819-TIP	C-E-D					
Sample	Time						11:38												11:26						
		pə							P	СВ	r		эе	pə							PC	В			e.
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					((ppb)						(ppm)					((ppb)					
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	ı	0.1
Water C Stand	-	*	0.0007	8.2	5.6	8.0	66		-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	1	-		16	0.0006
ssult⁴	s						NS												NS						
Analytical Result ⁴	М	22.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В			•	•	•	NS	•			•	•	•			•	•	•	NS	•	•		•	•	

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

ND = Not Detected

	Surve	ey Date												01/23	3/2019										
	Surve	у Туре												V - Vess	sel Based										
Co	onstructi	ion Activ	ity			ber Pil on Rem			Com	nents															
	Ti	ide												FI	ood										
		Location												В	354										
Sam Loca	tion				Upcu	rrent (A	mbien	t)									I	Downcur	rent						
Distan Sou					Appro	x. 500 -	1000 f	t ¹										500 ft	2						
Samp	ole ID					012	319-TIP	C-F-U										01	2319-TIP	C-F-D					
Sample	e Time						10:22												10:09	ı					
		pə							P	СВ	1		Je	pe							P	СВ	1		Je
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	nit	(ppm)					(ppb)						(ppm)						(ppb)					
Detectio	n Limit ³	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1
Water (*	0.0007	8.2	5.6	8.0	66		-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-			16	0.0006
sulf ⁴	s	186 ND										148	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Analytical Result⁴	М						NS												NS						
Analy	В	215	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	153	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												01/25	5/2019										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activi	DBF	RI - De	oris Re	moval		Comi	nents																
	Т	ide												Fl	ood										
											B	188													
Sam Loca			Upcu	rrent (A	mbien	t)									I	Downcur	rent								
Distance to Source						Appro	x. 500 -	1000 f	t ¹										200 ft ²	2					
Samp	le ID				012	519-DBF	RI-F-U										01	2519-DBF	RI-F-D						
Sample	Time						13:43												13:34						
		pa							P	СВ	1		ne	pel							PC	В	r	0	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(ppb)						(ppm)					(ppb)					
Detection	n Limit ³	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	0.1
Water C Stand	•	*	0.0007	8.2	5.6	8.0	66	-	1	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	ı	ı	ı	-	16	0.0006
ssult ⁴	s	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
ytical Re	Analytical Result NO					ND	ND	ND	ND	ND	ND	ND	ND	59.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anal	В	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

- ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- ² Samples collected as close to the turbidity curtain as practicable
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												01/25	5/2019										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	SIDI	- Silt I	Displac	ement		Comi	ments															
	Т	ide												Е	bb										
		Location												B ⁻	176										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcuri	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					012	519-SID	I-E-U										01	2519-SID	I-E-D					
Sample	Time						9:18												09:00						
		pə							P	СВ	1		Je	pə							PC	СВ			Je
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(ppb)						(ppm)					(ppb)					
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	0.1
Water C Stand	•	*	0.0007	8.2	5.6	8.0	66		-			16	0.0006	*	0.0007	8.2	5.6	8.0	66		-	-		16	0.0006
es ult ⁴	s	88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	191	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	139	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	146	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	141	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	141	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- ² Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

Reported value exceeds the Water Quality Standard as stated in Condition 61 of NYSDEC Permit Facility ID 3-9903-00043/00012-14

- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												01/25	5/2019										
	Surve	у Туре												V - Vess	sel Based										
Construction Activity Tide Source Location						ber Pil on Rem			Comi	nents															
	T	ide												Fle	ood										
											B ²	126													
Sample Location Distance to						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou			Appro	x. 500 -	1000 f	t ¹										500 ft ²	2								
Samp	le ID					012	519-TIP	C-F-U										01	2519-TIP	C-F-D					
Sample	Time						10:07												09:52						
		pə							P	СВ	1		ne	pə							PC	В		•	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(ppb)		•	•	•		(ppm)					(ppb)					
Detection	n Limit ³	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	ı	0.1
Water 0	•	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	1	1	-	-	16	0.0006
esult⁴	s	70.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anal	В	80.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	79.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- ² Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

	Surve	ey Date												01/28	3/2019										
	Surve	у Туре												V - Vess	sel Based										
Co	Construction Activity DBRI - Debris Removal Comments Tide																								
	T	ide												Flo	ood										
		Location												B1	188										
Source Location Sample Location Upcurrent (Ambient)																	I	Downcur	rent						
Distan Sou						Appro	x. 500 -	1000 f	t ¹										180 ft ²	2					
Samp	le ID					012	819-DBF	RI-F-U										01	2819-DBI	RI-F-D					
Sample	Time						14:09												14:00						
		led							P	СВ		a)	ne	led							PC	СВ		m	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(ppb)						(ppm)					((ppb)					
Detection	n Limit ³	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	0.1
Water 0		*	0.0007	8.2	5.6	8.0	66	-	-		-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-		-	16	0.0006
sult ⁴	s	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Analytical Result⁴	М	48.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	54.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anal	В	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- ² Samples collected as close to turbidity curtain as practicable
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

	Surve	ey Date												01/28	3/2019										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	TIPC - Timber Pile Cap Foundation Removal Comments Tide																							
	Т	ide												E	bb										
		Uncurrent (Ambient)											B	131											
Loca	ample Upcurrent (Ambient)															ı	Downcur	rent							
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					012	819-TIP	C-E-U										01	2819-TIP	C-E-D					
Sample	Time						10:49												10:39						
		pa							P	СВ			ne	pa							PC	СВ		4)	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(ppb)				•		(ppm)					((ppb)	•				
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	ŀ	0.1
Water G Stand	•	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-		-	-	16	0.0006
esult ⁴	s	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Analytical Result ⁴	М	76.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	73.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- ² Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.
- ND = Not Detected

	Surve	ey Date												01/28	3/2019										
	Surve	у Туре												V - Vess	sel Based										
Co	SIDI	- Silt [Displac	ement		Com	ments																		
	Т	ide												Е	bb										
Source Location Sample Uncurrent (Ambient)											B	176													
Sam Loca					Upcu	rrent (A	mbien	t)									ı	Downcur	rent						
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					012	819-SID	I-E-U										01	2819-SIE	I-E-D					
Sample	Time						10:16												09:55						
		pə							P	СВ	r		e.	pə							PC	СВ	ı	-	e e
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(ppb)						(ppm)					((ppb)					
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	ı	0.1
Water G Stand	•	*	0.0007	8.2	5.6	8.0	66	-	ı	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66		-	-	-	16	0.0006
esult⁴	s	78.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	66.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	83.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	78.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

Survey Date														01/29	9/2019										
Survey Type					V - Vessel Based																				
Construction Activity				SIDI - Silt Displacement Comments																					
Tide					Ebb																				
Source Location					B176																				
Sample Location				Upcurrent (Ambient)											Downcurrent										
Distan Soul				350 ft ¹											300 ft ²										
Sample ID			012919-SIDI-E-U											012919-SIDI-E-D											
Sample	Time			11:29										11:10											
		pə							PCB				e.	pə							PC	СВ	В		e e
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Unit		(ppm)		(ppb)										(ppm)											
Detection Limit ³		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	ı	0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	ı	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
sult⁴	s	77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	72.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	77.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected as close to the edge of the 500ft mixing zone as practicable

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

⁻⁻ No detection limit or water quality standard

^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

Survey Date														01/30)/2019										
Survey Type					V - Vessel Based																				
Construction Activity				SIDI - Silt Displacement Comments																					
Tide					Ebb																				
Source Location					B176																				
Sample Location				Upcurrent (Ambient)											Downcurrent										
Distan Sou				200 ft ¹											300 ft ²										
Sample ID			013019-SIDI-E-U											013019-SIDI-E-D											
Sample	Time			9:26										09:45											
		pə							PCB		r		e.	pə							PC	СВ	3		e e
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Unit		(ppm)		(ppb)										(ppm) (ppb)											
Detection Limit ³		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	ı	0.1
Water Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	-	ı	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
sult⁴	s	41.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	42.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	39.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- ² Samples collected as close to the edge of the 500ft mixing zone as practicable
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages