	Surv	ey Date												02/02	2/2017										
	Surve	у Туре												B - Barç	ge Based										
Co	onstruct	ion Activ	ity	Р	R - Pil	e Rem	oval		Com	ments							ı	Pile Je	tting						
	Т	ide												E	bb										
	Source	Location												Rocklan	nd Trestle										
Sam Loca						Upcu	rrent (A	mbien	t)									ſ	Downcur	rent					
Distar Sou						Ap	prox. 30	0 ft ¹											50 ft ²						
Samp	le ID					0202	217-PRR	T-E-U										020)217-PRF	RT-E-D	ı				
Sample	Time						09:35												09:22						
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
Ur	it	(ppm)					(ppb)						(ppm)					(ppb)					
Detec Lim		Ambient + 100	0.05	1	-	1	ı	0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.05		ı	1		0.2	0.2	0.2	0.2		0.1
Water (*	0.0007	8.2	5.6	8.0	66	1	-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66				-	16	0.0006
esult⁴	s	NS NS																	NS						
Analytical Result ⁴	М	33.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28.3	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 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

	Surv	ey Date												02/03	3/2017										
	Surve	у Туре												B - Barg	ge Based										
Co	nstruct	ion Activ	ity	Р	R - Pile	e Remo	oval		Com	ments							ı	Pile Je	tting						
	Т	ide												E	bb										
	Source	Location												Rocklan	d Trestle										
Sam Loca						Upcu	rrent (A	mbien	t)										Downcuri	rent					
Distan Sou						Ap	prox. 30	00 ft ¹											50 ft ²						
Samp	le ID		020317-PRRT-E-U															020	317-PRR	T-E-D					
Sample	Time						10:00												09:38						
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	0.05	-	ı		ı	0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.05	1	ı	1	1	0.2	0.2	0.2	0.2	ı	0.1
Water (-	*	0.0007	8.2	5.6	8.0	66	1		-	1	16	0.0006	*	0.0007	8.2	5.6	8.0	66		-	1	-	16	0.0006
ssult⁴	s	_	NS																NS						
Analytical Result ⁴	М	32.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	34.5	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 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

	Surv	ey Date												02/06	8/2017										
	Surve	у Туре												B - Barg	ge Based										
Co	nstruct	ion Activ	ity	Р	R - Pile	e Rem	oval		Com	ments							ı	Pile Je	tting						
	Т	ide												E	bb										
	Source	Location												Rocklan	d Trestle										
Sam Loca						Upcu	rrent (A	mbien	t)										Downcuri	ent					
Distan Sou						Ap	prox. 30	00 ft ¹											50 ft ²						
Samp	le ID		020617-PRRT-E-U															020	617-PRR	T-E-D					
Sample	Time						10:42												10:34						
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	0.05	-	-	1	ı	0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.05	1	ı	1	1	0.2	0.2	0.2	0.2	ı	0.1
Water 0	-	*	0.0007	8.2	5.6	8.0	66	1		-	1	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	1	-	16	0.0006
∍sult⁴	s		NS																NS						
Analytical Result ⁴	М	20.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	34	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 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

	Surv	ey Date												02/07	7/2017										
	Surve	у Туре												B - Barç	ge Based										
C	onstruct	ion Activ	ity	Р	R - Pil	e Rem	oval		Com	ments			Pile	e Jetting. L	Jpcurrent	sampl	e very	shallo	w. Delaye	d due	to mo	/emen	t of ba	rge.	
	Т	ide												E	bb										
	Source	Location												Rocklan	nd Trestle										
Sam Loca						Upcu	rrent (A	mbien	t)									ſ	Downcur	rent					
Distar Sou						Ap	prox. 30	00 ft ¹											50 ft ²						
Samp	le ID					0207	17-PRR	RT-E-U										020)717-PRF	RT-E-D	ı				
Sample	Time						10:40												09:25						
Daramotor		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
Ur	it	(ppm)					(ppb)						(ppm)					(ppb)					
Detec Lin		Ambient + 100	0.05	1	-	1	ı	0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.05		ı		1	0.2	0.2	0.2	0.2		0.1
Water of Stand		*	0.0007	8.2	5.6	8.0	66	1		-		16	0.0006	*	0.0007	8.2	5.6	8.0	66				-	16	0.0006
esult⁴	s	NS																	NS						
Analytical Result ⁴	М	64.5	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						

- 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

	Surv	ey Date												02/08	3/2017										
	Surve	у Туре												B - Barç	ge Based										
Co	nstruct	ion Activ	ity	Р	R - Pile	e Rem	oval		Com	ments															
		ide													ood										
		Location												Rocklar	nd Trestle										
Sam Loca	tion	Upcurrent (Ambient)																ı	Downcur	rent					
Distan Sou			Approx. 300 ft ¹																20 ft ²						
Samp	le ID					0208	317-PRF	RT-F-U										020	0817-PRF	RT-F-D)				
Sample	Time						08:40												08:17	•					
									P	СВ		a	ne								P	СВ		Ф	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)					
Detectio	n Limit ³	Ambient + 100	0.05	-	-	1		0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	ı	-			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	-		-		16	0.0006
esult4	s						NS												NS						
Analytical Result⁴	М	39.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	34.8	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 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
- 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												02/1	4/2017										
	Surve	у Туре												B - Bar	ge Based										
Co	onstruct	ion Activ	ity	Р	R - Pile	e Rem	oval		Com	nents						F	Pile Dra	agging	and Picki	ng					
		ide													ood										
		Location												Rocklar	nd Trestle	•									
Sam Loca	tion		Upcurrent (Ambient)																Downcur	rent					
Distan Sou			Approx. 300 ft ¹																50 ft ²						
Samp	le ID		021417-PRRT-F-U															02	1417-PRF	RT-F-D					
Sample	Time						12:15												11:21						
		_							P	СВ		ө	ne	_							P	СВ		ø	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	iit	(ppm)					(ppb)						(ppm)					(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05		-	1		0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.05	-		-		0.2	0.2	0.2	0.2		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
esult ⁴	s		a												ND	ND	ND	5.1	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	73.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND						NS						
Analy	В						а							102	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 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
- 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.
- a = Samples not collected due to misinterpretation of sample depth requirements, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

	Surv	ey Date												02/1	5/2017										
	Surve	у Туре												B - Bar	ge Based										
Co	onstruct	ion Activ	ity	Р	R - Pile	e Rem	oval		Com	ments						F	ile Dra	agging	and Picki	ng					
	Т	ide												FI	ood										
		Location												Rocklar	nd Trestle	!									
Sam Loca	tion		Upcurrent (Ambient)															I	Downcur	rent					
Distan Sou		Approx. 300 ft ¹																	50 ft ²						
Samp	le ID					0215	517-PRF	RT-F-U										02	1517-PRF	RT-F-D					
Sample	Time						12:40												11:48						
		_							P	СВ		- o	ne	_							P	СВ	1	Ð	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	iit	(ppm)					((ppb)						(ppm)					((ppb)					
Detection	n Limit ³	Ambient + 100	0.05			1	I	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	-	ı	-		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
esult ⁴	s	41.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	53.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS NS																NS						
Anal)	В	41.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	61.8	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 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
- 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												02/16	8/2017										
	Surve	у Туре												B - Barg	ge Based										
Co	onstruct	ion Activ	ity	Р	R - Pile	e Remo	oval		Com	nents						Р	ile Dra	gging	and Pickiı	ng					
	Т	ide												E	bb										
	Source	Location												Rocklan	d Trestle										
Sam Loca						Upcu	rrent (A	mbien	t)									[Downcuri	ent					
Distan Sou						Ар	prox. 30	00 ft ¹											50 ft ²						
Samp	le ID		021617-PRRT-E-U															021	617-PRR	T-E-D					
Sample	Time						08:50												08:35						
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	0.05	-	ı	1	I	0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.05	1	1	ŀ	1	0.2	0.2	0.2	0.2	1	0.1
Water (•	*	0.0007	8.2	5.6	8.0	66	1			1	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	1	-	16	0.0006
sult⁴	s	_	NS																NS						
Analytical Result ⁴	М	63.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	48.5	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 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

	Surv	ey Date												02/17	7/2017										
	Surve	у Туре												B - Barç	ge Based										
Co	nstruct	ion Activ	ity	Р	R - Pile	e Rem	oval		Comr	nents								Jettir	ng						
	Т	ide												E	bb										
	Source	Location												Rocklan	nd Trestle										
Sam Loca						Upcu	rrent (A	mbien	t)									[Downcur	rent					
Distan Sou						Ap	prox. 30	00 ft ¹											50 ft ²						
Samp	le ID					0217	17-PRF	RT-E-U										021	1717-PRF	RT-E-D					
Sample	Time						10:28												10:12						
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	0.05				-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		-			0.2	0.2	0.2	0.2		0.1
Water 0		*	0.0007	8.2	5.6	8.0	66	1	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66		-	-	-	16	0.0006
esult ⁴	s						NS												NS						
Analytical Result⁴	М	60.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	84.5	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 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

	Surv	ey Date												02/21	1/2017										
	Surve	у Туре												B - Barç	ge Based										
Co	nstruct	ion Activ	ity	Р	R - Pile	e Remo	oval		Comr	nents								Jettir	ng						
	T	ide													bb										
		Location												Rocklan	nd Trestle										
Sam Loca						Upcu	rrent (A	mbien	t)									[Downcuri	rent					
Distan Sou						Ap	prox. 30	00 ft ¹											50 ft ²						
Samp	le ID		022117-PRRT-E-U															022	117-PRR	RT-E-D					
Sample	Time						10:30												10:06						
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	0.05			1	1	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.05			1	1	0.2	0.2	0.2	0.2	ı	0.1
Water 0		*	0.0007	8.2	5.6	8.0	66	1	-		1	16	0.0006	*	0.0007	8.2	5.6	8.0	66		-	1	-	16	0.0006
ssult⁴	s						NS												NS						
Analytical Result ⁴	М	17.5	ND N												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 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
- 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												02/21	/2017										
	Surve	у Туре												B - Barg	ge Based										
Co	nstruct	ion Activ	ity		DEC - I	Decant	ing		Comr	nents					Drilled	Shafts	Deca	nting o	f Airlifting	spoils	barge				
	Т	ide												Е	bb										
		Location												Rocklan	d Trestle										
Sam Loca						Upcu	rrent (A	mbien	t)									[Downcuri	rent					
Distan Sou						Ар	prox. 30	0 ft ¹											50 ft ²						
Samp	le ID					0221	17-DSD	C-E-U										022	117-DSD	C-E-D	ı				
Sample	Time						10:35												11:19						
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)	<u> </u>				•	(ppm)					(ppb)					
Detec Lim		Ambient + 100	0.05				-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05		1	-	1	0.2	0.2	0.2	0.2		0.1
Water 0		*	0.0007	8.2	5.6	8.0	66	ı	ı	-	1	16	0.0006	*	0.0007	8.2	5.6	8.0	66		-	-	1	16	0.0006
esult ⁴	s		NS																NS						
Analytical Result⁴	М	19.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18.3	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 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

	Surv	ey Date												02/22	2/2017										
	Surve	у Туре												B - Barç	ge Based										
Co	onstruct	ion Activ	ity	Р	R - Pil	e Rem	oval		Com	nents								Jetti	ng						
	-	ide													ood										
		Location												Rocklar	nd Trestle										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Sou			Approx. 300 ft ¹																100 ft ²	2					
Samp	le ID					0222	217-PRF	RT-F-U										02	2217-PRF	RT-F-D					
Sample	Time						9:17												8:51						
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									Arc	Arc	Arc	z	Be								Arc	Arc	Arc	z	Be
Un	it	(ppm)		1	1	ı	(ppb)		ı				(ppm)			ı		((ppb)		ı			
Detectio	n Limit ³	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1
Water 0		*	0.0007	8.2	5.6	8.0	66		-	-	1	16	0.0006	*	0.0007	8.2	5.6	8.0	66		-	-	-	16	0.0006
esult⁴	s						NS												NS						
Analytical Result⁴	М	15.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29.5	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 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
- 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												02/23/2017													
	Surve	у Туре												B - Barge Based													
C	onstruct	ion Activ	ity	Р	R - Pile	e Rem	oval		Comr	nents				Jetting													
		ide													ood												
		Location							Rockland Trestle																		
Sam Loca	tion					Upcu	rrent (A	mbien	t)					Downcurrent													
Distar Sou				prox. 30		50 ft ²																					
Samp	le ID	022317-PRRT-F-U													022317-PRRT-F-D												
Sample	Time						10:05							09:42													
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	1242		1254 B	1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	1242	1248		1260	Naphthalene	Benzo(a)pyrene		
Q eze		Tc Susp So	Mer	ğ	Col	Le	Z	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Napht	Benzo(Tc Susp So	Mer	Ň	S	Ä	ΙZ	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Napht	Benzo(a		
Ur	nit	(ppm)			(ppb)									(ppm)					((ppb)							
Detectio	n Limit ³	Ambient + 100	0.05				1	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.05	ı		1	ŀ	0.2	0.2	0.2	0.2		0.1		
Water (*	0.0007	8.2	5.6	8.0	66	-	1	-	1	16	0.0006	*	0.0007	8.2	5.6	8.0	66			-	-	16	0.0006		
esult⁴	s	NS											NS														
Analytical Result⁴	М	22.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26.3	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 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
- 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												02/24/2017												
	Surve	у Туре												B - Barge Based												
Co	onstruct	ion Activ	ity	Р	R - Pile	e Rem	oval		Comr	nents				Jetting												
		ide													ood											
		Location										Rockland Trestle														
Sam Loca	tion					Upcu	rrent (A	mbien	t)					Downcurrent												
Distan Sou						Ap	prox. 30	00 ft ¹						50 ft ²												
Samp	le ID	022417-PRRT-F-U													022417-PRRT-F-D											
Sample	Time						09:17							08:35												
neter		Total Suspended Solids	ury	Nickel	Copper	ad	20	1242		1254 W	1260	nalene	Benzo(a)pyrene	Total Suspended Solids	ury	Nickel	Copper	ad	2	1242	1248		1260	nalene)pyrene	
Parameter		Total Suspend Solids	Mercury	Nic	Cop	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a	To Suspe Sol	Mercury	Nic	Cop	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	
Ur	it	(ppm)		(ppb)									(ppm)					((ppb)							
Detectio	n Limit ³	Ambient + 100	0.05	-		1	I	0.2	0.2	0.2	0.2	ŀ	0.1	Ambient + 100	0.05	ı	-	1	I	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	
esult⁴	s	NS													•		•		NS		•					
Analytical Result⁴	М	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24.8	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 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
- 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												02/2	7/2017													
		y Type												B - Barge Based														
Co		ion Activ	ity	T	SS - R	ock Dri	lling		Com	nents		Т	urbidity ol	y observed during Rock Drilling, future similar samples will use TURB code in Sample ID.														
	Tide													Flood														
	Source Location												Rockland Trestle															
Sam Loca	tion	Upcurrent (Ambient)													Downcurrent													
Distan Sou						Α	pprox. 1	5 ft ¹						25 ft ²														
Samp	le ID		022717-DSAM-F-U													022717-DSPL-F-D												
Sample	Time	10:37													10:30													
		_							P	РСВ		Ф	ne	_							PC	СВ		Ф	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			
Ur	it	(ppm)		(ppb)										(ppm) (ppb)														
Detectio	n Limit ³	Ambient + 100	0.05			1		0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	ı	-		0.2	0.2	0.2	0.2	1	0.1			
Water (*	0.0007	8.2	5.6	8.0	66		1	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006			
esult ⁴	s	NS																	NS									
Analytical Result⁴	М	30.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	27.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR			
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 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
- 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.
- NR = Not Required for these parameters, pursuant to drilled shafts monitoring conditions in WQMP Rev 8.

	Surv	ey Date												02/27	7/2017											
	Surve	у Туре												B - Barç	ge Based											
Co	onstruct	ion Activ	ity	Р	R - Pile	e Rem	oval		Comr	nents																
	-	ide													ood											
		Location												Rockland Trestle												
Sam Loca	tion					Upcu	rrent (A	mbien	t)					Downcurrent												
Distan Sou				prox. 30			50 ft ²																			
Samp	le ID	022717-PRRT-F-U												022717-PRRT-F-D												
Sample	Time						10:02							09:35												
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	
Ur	nit	(ppm)		(ppb)										(ppm)					<u> </u>	(ppb)	₹	₹	₹		ă	
Detectio		Ambient +	0.05					0.2	0.2	0.2	0.2		0.1	Ambient +	0.05					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	
esult ⁴	s						NS												NS							
Analytical Result⁴	М	59.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28.8	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 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
- 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												02/28	3/2017											
	Surve	у Туре												B - Barç	ge Based											
Co	onstruct	on Activ	ity	Р	R - Pile	e Rem	oval		Comr	nents				Pile Removal (Torch Cutting)												
	-	ide													ood											
		Location											Rockland Trestle													
Sam Loca	tion					Upcu	rrent (A	mbien	t)					Downcurrent												
Distan Sou						Αp	prox. 30	00 ft ¹						50 ft ²												
Samp	le ID	022817-PRRT-F-U													022817-PRRT-F-D											
Sample	Time						09:36							09:15												
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)						opb)	∢	⋖	⋖		ă	(ppm)						(ppb)	∢	∢	⋖		ă	
Detectio		Ambient +	0.05					0.2	0.2	0.2	0.2		0.1	Ambient +	0.05					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	
esult ⁴	s						NS												NS							
Analytical Result⁴	М	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	55	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 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
- 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.