	Surv	ey Date												09/01/	2017										
	Surve	еу Туре												V - Vesse	el Based										
Co	onstruct	ion Activ	ity	TIDO -	- Timbe	r Dolph	in Removal		Com	ments															
	Т	ide												Eb	b										
	Source	Location											Area 1	B (Bent 26	approxir	nately))								
Sam Loca						Upc	urrent (Am	nbient)									ı	Downcur	rent					
Distan Sou						Appr	ox. 500 - 1	000 ft	1										150 ft ²	2					
Samp	le ID					090	0117-TIDO	-E-U										09	0117-TID	O-E-D					
Sample	Time						10:23												10:09						
Parameter		Total Suspended Solids	PCB 0												Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(p	pb)					•	(ppm)					(ppb)					
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	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
esult ⁴	s		NS																NS						
Analytical Result⁴	М	15.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.2	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

	Surve	ey Date												09/05/	2017										
	Surve	у Туре												V - Vesse	el Based										
Co	onstructi	ion Activ	ity	TIDO -	Timbe	Dolphi	n Removal		Com	nents															
	Ti	ide												Flo	od										
		Location												Area	1B										
Sam Loca	tion					Upc	urrent (An	nbient))										Downcur	rent					
Distan Sou						Appr	ox. 500 - 1	000 ft ¹	l										117 ft ²	!					
Samp	le ID		090517-TIDO-F-U															09	0517-TID	O-F-D					
Sample	Time						10:39												10:24						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	1242	1248		1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	1242		1254 W	1260	Naphthalene	Benzo(a)pyrene
Parai		To Suspe	Nio	Cop	Le	Zi	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphtl	Benzo(a	To Suspe	Mer	Nic	Сор	Le	Ζij	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Napht	Benzo(a	
Un	iit	(ppm)					(p	pb)						(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		*	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	19 ND ND ND ND ND ND ND ND I										ND	ND	34	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND
Analytical Result⁴	М						NS												NS						
Analy	В	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	41.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	22	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

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
- ND = Not Detected

	Surv	ey Date												09/06/	/2017										
	Surve	у Туре												V - Vesse	el Based										
Co	onstruct	ion Activ	ity	TIDO -	- Timbe	r Dolphi	n Removal		Com	nents															
	-	ide												Flo											
		Location												Area	1B										
Sam Loca	tion					Upc	urrent (Am	nbient)	1										Downcur	rent					
Distan Sou						App	rox. 500 - 1	000 ft ¹											150 ft ²	2					
Samp	le ID	090617-TIDO-F-U																09	0617-TID	O-F-D					
Sample	Time		10:25																10:06						
		_							P	СВ		Ф	ne	_							P	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	iit	(ppm)					(p	pb)	•					(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	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 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	19.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Anal)	В	25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.8	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.

	Surve	ey Date												09/07	/2017										
	Surve	у Туре												V - Vesse	el Based										
C	onstructi	on Activ	ity	TIDO -	Timber	Dolphi	n Removal		Com	nents															
	Ti	de												Flo	od										
		Location											Ar	ea 1B App	rox Bent	15									
Sam Loca	tion					Upcı	urrent (Am	bient))									ı	Downcur	rent					
Distar Sou						Appr	ox. 500 - 1	000 ft ¹	1										140 ft ²	2					
Samp	ole ID		090717-TIDO-F-U															09	0717-TID	O-F-D					
Sample	e Time			· <u> </u>			09:54	_	· <u> </u>	· <u> </u>	· <u> </u>						_		09:34	· <u> </u>					
ater		lded Is	Į.	-	er			242	248 PG		260	lene	yrene	ll babi	Į.	-	er	-		242		254 B	260	lene	yrene
Parameter	5	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)			1		(p	pb)						(ppm)		1		1	((ppb)			1		
Detectio	n Limit³	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	Ambient +	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
esult ⁴	s	22	ND	ND	ND	ND	ND	ND	ND	16.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Analytical Result⁴	М						NS												NS						
Analy	В	24.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21	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												09/08	/2017										
	Surve	у Туре												V - Vesse	el Based										
Co	onstruct	on Activ	ity	TIDO -	Timbe	r Dolphi	n Removal		Com	ments															
	Т	ide												Flo	od										
		Location												Area	1 B										
Sam Loca	tion					Upcı	urrent (An	nbient)									I	Downcur	rent					
Distan Sou						Appr	ox. 500 - 1	1000 ft	1										150 ft ²	2					
Samp	le ID		090817-TIDO-F-U															09	0817-TID	O-F-D					
Sample	Time						10:26												10:13						
		_							P	СВ		Ф	ne	_							P	СВ		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)					(r	opb)						(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	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 0		*	0.0007	8.2	5.6	8.0	66		-			16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	ı	16	0.0006
esult ⁴	s	NS																	NS						
Analytical Result ⁴	М	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25.6	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												09/09	9/2017										
	Surve	у Туре												B - Barç	ge Based										
Co	onstruct	ion Activ	ity	SIDI	- Silt I	Displac	ement		Comr	nents						Sar	nple c	ollecte	d from ba	rge.					
		ide												_	bb										
		Location												Ben	t 169										
Sam Loca	tion	Upcurrent (Ambient)																Downcur	rent						
Distan Sou			Approx. 350 ft ¹																20 ft ²						
Samp	le ID			090917-SIDI-E-U														09	0917-SID	I-E-D					
Sample	Time			09:20															09:09						
		_							P	В		Ф	ne	_							PC	СВ		Ф	ne
Parameter Total Suspended Solids Mercury					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 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	22.5 ND											ND	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Analy	В	21.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19	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 within 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.

First Page Only: Design Package No. or Description ENV - 1413
No. <u>0</u> Date <u>9-21-2017</u>
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	Surv	ey Date												09/11	1/2017										
	Surve	у Туре												V - Vess	el Based										
Co	onstruct	ion Activ	ity	SIDI	- Silt I	Displac	ement		Com	nents															
	Т	ide												E	bb										
		Location												Ben	t 165										
Sam Loca						Upcu	rrent (A	mbien	t)									[Downcuri	ent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²						
Samp	le ID					091	117-SID	I-E-U										09	1117-SID	I-E-D					
Sample	Time						10:33												09:58						
Parameter		PCB											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	ı	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 (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	19.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	35.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	53.3	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
- $^{\rm 2}$ 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

	Surv	ey Date												09/11	/2017										
	Surve	у Туре												V - Vesse	el Based										
Co	onstruct	on Activ	ity	TIDO -	Timbe	r Dolphi	n Removal		Com	ments															
		ide												Flo											
		Location												Area 1B	Bent 15										
Sam Loca	tion					Upcı	ırrent (An	nbient)									ı	Downcur	rent					
Distan Sou						Appr	ox. 500 - 1	1000 ft	1										57 ft ²						
Samp	le ID		091117-TIDO-F-U															09	1117-TID	O-F-D					
Sample	Time						11:28							11:12											
		-							P	СВ	ı	е	ne	_								В	ı	9	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	iit	(ppm)					(r	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	ŀ	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 (*	0.0007	8.2	5.6	8.0	66		-			16	0.0006	*	0.0007	8.2	5.6	8.0	66	-		-	ı	16	0.0006
esult ⁴	s	NS																	NS						
Analytical Result⁴	М	29.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35.2	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												09/12/	2017										
	Surve	у Туре												V - Vesse	el Based										
Co	onstruct	ion Activ	ity	TIDO -	Timbe	r Dolphi	n Removal		Com	ments															
	Т	ide												Flo	od										
		Location												Area 1B	Bent 15										
Sam Loca	tion					Upc	urrent (Am	nbient))										Downcur	rent					
Distan Sou						Appr	ox. 500 - 1	000 ft ¹	l										126 ft	2					
Samp	le ID					09	1217-TIDO	-F-U										09	1217-TID	O-F-D					
Sample	Time						11:08												10:53						
		_							P	СВ	1	ø	ne	_							P	СВ	1	o	ne
Parameter		Suspended Solids Solids Nickel Copper Lead Aroclor 1242 Aroclor 1269 Aroclor 1260 Aroclor 1260 Aroclor 1260											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)					(p	pb)						(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	ı	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		*	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	54.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59.5	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												09/13	3/2017										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activ	ity	SIDI	- Silt I	Displac	ement		Com	nents															
	Т	ide												E	bb										
		Location										Appr	ox Bent	183, in line	with P39	of ne	w brido	ge.							
Sam Loca						Upcu	rrent (A	mbien	t)										Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t¹										500 ft ²	!					
Samp	le ID					091	317-SID	I-E-U										09	1317-SID	I-E-D					
Sample	Time						10:27												10:04						
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	0.07	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	-	-	-	1	16	0.0006
esult⁴	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
ytical Re	W B 20.5 ND						NS												NS						
Anal	В	20.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33.5	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 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

	Surv	ey Date												09/13/	2017										
	Surve	у Туре												V - Vesse	l Based										
Co	nstruct	ion Activ	ity	TIDO -	Timbe	r Dolphi	n Removal		Com	ments															
	Т	ide												Eb	b										
		Location												Area	1B										
Sam Loca	tion					Upcı	urrent (Am	bient))									ı	Downcur	rent					
Distan Sou						Appr	ox. 500 - 1	000 ft ¹	I										150 ft ²	2					
Samp	le ID					09	1317-TIDO	-E-U										09	1317-TID	O-E-D					
Sample	Time						11:14												11:03						
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)					(р	pb)						(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	-	*	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 Result ⁴	М	17.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26.8	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												09/14	1/2017										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	SIDI	- Silt I	Displac	ement		Com	nents															
	Т	ide												E	bb										
		Location												Ben	t 182										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcuri	rent					
Distan Sou						Appro	x. 500 -	1000 f	t¹										500 ft ²	!					
Samp	le ID					091	417-SID	I-E-U										09	1417-SID	I-E-D					
Sample	Time						09:40												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
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		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	17.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Analy	В	17.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29.8	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 500ft 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

	Surv	ey Date												09/15	5/2017										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activ	ity	SIDI	- Silt I	Displac	ement		Com	nents															
	Т	ide												E	bb										
		Location												B180											
Samp Loca						Upcu	rrent (A	mbien	t)										Downcuri	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	!					
Samp	le ID		091517-SIDI-E-U															09	1517-SID	I-E-D					
Sample	Time						09:39												09:21						
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	1	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		*	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	10.5	5 ND ND ND ND ND ND ND ND										ND	10.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Anal	В	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22	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
- $^{\rm 2}$ 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

	Sur	vey Date												09/15	/2017										
	Surv	ey Type												V - Vess	el Based										
С	onstruc	tion Activ	rity	TID	O - Tim Ren	iber Do noval	olphin		Comr	nents															
		Tide												E	bb										
		Location	Α											Арр	roximate	ly B20									
Sam Loca					ι	Jpcurr	ent (Am	bient)	ı									I	Downcur	rent					
Distan Sou					P	Approx	. 500 - 1	000 ft ¹	l										150 ft ²	2					
Samp	le ID					0915	17-TIDO	-E-U										09	1517-TID	O-E-D					
Sample	Time						10:34								_				10:17						
		_							PO	СВ		Ф	ne	_							P	СВ	r	Φ	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)					(р	pb)						(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 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	16.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.5	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 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

	Surv	ey Date												09/18	3/2017										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity	SIDI	I - Silt I	Displac	ement		Com	nents															
		ide													ood										
		Location												B172											
Loc	ation	Upcurrent (Ambient)																I	Downcur	rent					
Distai Sou		Approx. 500 - 1000 ft ¹																	500 ft ²	2					
Samı	ole ID					091	817-SID	I-F-U										09	91817-SIE	DI-F-D					
Sampl	e Time						10:59												10:20	1					
		_							P	СВ		ø	ne	_							P	СВ	1	Φ	ne
200		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
Uı	nit	(ppm)					(ppb)						(ppm)						(ppb)					
Detection	on 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 Stan		*	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	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	29.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	44.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.8	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
- 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												09/20)/2017										
	Surve	у Туре												B - Barç	ge Based										
Co	onstruct	ion Activ	ity	SIDI	I - Silt I	Displac	ement		Com	nents					Collected	from I	oarge l	ecaus	se of roug	h river	conditi	ions			
		ide													ood										
		Location												B ⁻	173										
Sam Loca	tion	Upcurrent (Ambient)																!	Downcur	rent					
Distan Sou		Approx. 500 - 1000 ft ¹																	400 ft ²	2					
Samp	le ID	092017-SIDI-F-U																09	92017-SIE)I-F-D					
Sample	Time						11:02												10:51						
		_							P	СВ	1	ø	ne	_							PC	В		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	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	1	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	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	53	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analy	В	18.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- ¹ Samples collected up current of the source
- ² Samples collected from the silt displacement barge because of high winds and rough river conditions
- 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												09/20	0/2017										
	Surve	у Туре												B - Bar	ge Based										
Co	onstruct	ion Activ	ity	TID		nber D moval	olphin		Comi	ments					Collected	I from I	oarge b	oecaus	se of roug	h river	condit	ions			
	Т	ide												FI	ood										
		Location												E	B9										
Sam Loca			Upcurrent (Ambient)																Downcur	rent					
Distan Sou			Approx. 200 ft ¹																100 ft ²	2					
Samp	le ID		092017-TIDO-F-U															09	2017-TID	O-F-D					
Sample	Time						09:50												09:43						
				_							P	СВ	1	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)			((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	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		NS																NS						
Analytical Result⁴	М	66	ND	ND	ND	65	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 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

ND = Not Detected

	Surv	ey Date												09/2	1/2017										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activ	ity	SIDI	l - Silt I	Displac	ement		Com	nents															
	-	ide													ood										
		Location												B ⁻	175										
San Loca	ition	Upcurrent (Ambient)																!	Downcur	rent					
Distar Sou		Approx. 500 - 1000 ft ¹																	500 ft ²	2					
Samp	ole ID					092	117-SIC	I-F-U										09	92117-SIE	DI-F-D					
Sample	e Time						09:51												09:23	1					
									P	СВ	1	Ф	ne								P	СВ	1	Φ	ne
Darameter		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)						(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
esult4	s	14.8 ND												18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	49.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	37.3	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												09/21	1/2017										
	Surve	у Туре												V - Vess	sel Based										
Co	nstructi	ion Activ	ity	TID		nber D moval	olphin		Com	ments															
	Ti	ide												FI	ood										
	Source	Location												В	10										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou		Approx. 500 - 1000 ft ¹																	75 ft ²						
Samp	le ID	092117-TIDO-F-U																09	2117-TID	O-F-D					
Sample	Time				10:26										10:20	1									
									P	СВ		_	ne								P	СВ	ı	Φ.	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		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	58.5													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 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

ND = Not Detected

	Surv	ey Date												09/22	2/2017										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activ	ity	SIDI	- Silt I	Displac	ement		Com	nents															
	-	ide													ood										
		Upcurrent (Ambient)													178										
Sam Loca	tion																	!	Downcur	rent					
Distar Sou		Approx. 500 - 1000 ft ¹																	500 ft ²	2					
Samp	ole ID					092	217-SID	I-F-U										09	92217-SIE)I-F-D					
Sample	e Time						09:46												09:14						
									P	СВ	1	Ф	ne								P	СВ	1	Φ	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	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
esult4	s	17.6 ND												17.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	25.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	21.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	93	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												09/25	5/2017										
	Surve	у Туре												V - Vess	sel Based										
Co	nstructi	ion Activi	ity	TID		nber D moval	olphin		Comr	nents															
	Ti	ide												FI	ood										
	Source	Location												E	39										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou				Approx. 500 - 1000 ft ¹															300 ft ²	2					
Samp	le ID					092	517-TID	O-F-U										09	2517-TID	O-F-D					
Sample	Time						13:29												13:15						
		_						o)								PC	В		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)			1			(ppm)			1		((ppb)					
Detection	ո Limit³	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	-	*	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
ssult⁴	s						NS				•						•		NS	•	•				
Analytical Result⁴	М	23.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	65	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 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

ND = Not Detected

	Surv	ey Date												09/26	6/2017										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	TID		nber D moval	olphin		Comi	nents															
	Т	ide												E	bb										
		Location												В	32										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou			Approx. 500 - 1000 ft ¹																180 ft ²	2					
Samp	le ID		092617-TIDO-E-U															09	2617-TID	O-E-D					
Sample	Time						09:29												09:15						
		_							P	СВ	r	ø	ne	_							P	СВ	Ti .	Φ	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)				<u> </u>	
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	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		-	-	1	16	0.0006
esulť	s	NS																	NS						
Analytical Result⁴	М	11.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.7	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

 $^{^{2}% \}left(-1\right) =0$ 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

	Surv	ey Date												09/27	7/2017										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	TID		nber D moval	olphin		Comr	nents															
	Т	ide												E	bb										
		Location												В	33										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										90 ft ²						
Samp	le ID					092	717-TID	O-E-U										09:	2717-TID	O-E-D					
Sample	Time		_				09:07						_						08:56						
		_							P	СВ	1	Ф	ne	_							P	СВ	r	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)					<u> </u>	(ppm)					(ppb)					
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	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	1	-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	1	-	-		16	0.0006
esulť	s						NS												NS						
Analytical Result⁴	М	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18.8	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 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

ND = Not Detected

	Surv	ey Date											09/11	1/2017											
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	SIDI - Silt Displacement Comments																					
		ide										_	bb												
		Location			Bent 170																				
Sam Loca	tion			Upcurrent (Ambient)											Downcurrent										
Distan Sou				Approx. 500 - 1000 ft ¹											500 ft ²										
Samp	le ID		091117-SIDI-E-U												091117-SIDI-E-D										
Sample	Time		10:33											09:58											
		_						PCB			Ф	au e	_								СВ		9	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 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		*	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	19.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	35.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	53.3	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.

											09/13	3/2017													
	Surve	у Туре												V - Vess	V - Vessel Based										
Co	nstruct	ion Activ	ity	SIDI - Silt Displacement Comments																					
Tide											Ebb														
Source Location Bent 182																									
Sam Loca	tion	Upcurrent (Ambient)													Downcurrent										
Distan Sou						Appro	x. 500 -	1000 f	t ¹					500 ft ²											
Samp	le ID					091	317-SID	I-E-U						091317-SIDI-E-D											
Sample	Time	10:27											10:04												
								PCB		1	Ф	ne	_							P	СВ		9	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	1	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		*	0.0007	8.2	5.6	8.0	66		-			16	0.0006	*	0.0007	8.2	5.6	8.0	66	1	-	1	1	16	0.0006
esult4	s	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS							NS											
Anal	В	20.5	ND	ND	ND 33.5 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
- $^{\rm 2}$ 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.

	Surv	ey Date												09/14	4/2017										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	SIDI - Silt Displacement Comments																						
Tide												Ebb													
Source Location													Bent 181												
Sam Loca	tion	Upcurrent (Ambient)												Downcurrent											
Distan Sou						Appro	x. 500 -	1000 f	t¹					500 ft ²											
Samp	le ID					091	417-SID	I-E-U						091417-SIDI-E-D											
Sample	Time	09:40											09:22												
		_ I							PCB			Ф	ne	_								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	it	(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	-	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	17.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS							NS											
Analy	В	17.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29.8	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 500ft 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.