	Surv	ey Date												12/03	3/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity		JETT	- Jettir	ng		Comi	ments															
	Т	ide						•						E	bb										
		Location												B	167										
Sam Locat						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Soui			Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samp	le ID					120	318-JET	T-E-U										12	0318-JET	T-E-D					
Sample	Time						09:04												08:52						
		pa							P	СВ			e e	pa							P	СВ			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	1	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		1	1	ı	16	0.0006
sult ⁴	s	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М		NS NS																NS						
Analy	В	29.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24.7	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												12/03	3/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity			nber Pi on Ren			Com	nents															
	Т	ide												Е	bb										
	Source	Location												В	85										
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					120	318-TIP	C-E-U										12	0318-TIP	C-E-D					
Sample	Time	•	_				10:07						_		_				09:52	!					
		pa							P	СВ			e.	pa							P	СВ		_	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	ŀ	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	•	*	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 Result ⁴	М	33.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28	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

⁻⁻ 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												12/04	1/2018										
	Surve	у Туре												V - Vess	sel Based	l									
Co	onstruct	tion Activity TIPC - Timber Pile Cap Foundation Removal Comments Tide																							
	Т	ide												FI	ood										
		Location												В	85										
Sam Loca	tion		Upcurrent (Ambient)															I	Downcur	rent					
Distan Sou			Approx. 500 - 1000 ft ¹																500 ft	2					
Samp	le ID	120418-TIPC-F-U																12	0418-TIP	C-F-D					
Sample	Time						10:09	ı											09:54						
		pa							P	СВ	,		эс	pə							P	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)				•	
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 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
sult4	s						NS												NS						
Analytical Result ⁴	М	33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	41	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

⁻⁻ 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												12/05	5/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activi	ity	DBF	RI - De	bris Re	moval		Com	nents			U	pcurrent re	esults tak	en fron	n Jettin	ıg activ	ity occurr	ing at	same t	ime an	d locat	ion	
	T	ide												Fl	ood										
		Location												В	166										
Sam Loca		Upcurrent (Ambient)																	Downcur	rent					
Distan Sou		Approx. 500 - 1000 ft ¹																	500 ft ²	2					
Samp	le ID	120518-JETT-F-U																12	0518-DBI	RI-F-D					
Sample	Time						9:52												10:02	!					
		pel							PC	В			Je L	pel							PO	СВ			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)		•			
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 + 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
sult4	s	58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	55.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Anal	В	59.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	62.8	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.

	Surve	ey Date												12/0	5/2018										
	Surve	у Туре												V - Ves	sel Basec	l									
С	onstruct	ion Activi	ity		JETT	- Jettin	g		Comr	nents															
		ide												FI	ood										
		Location												В	167										
Sam Loca		Upcurrent (Ambient)															ļ	Downcur	rent						
Distar Sou		Approx. 500 - 1000 ft ¹																	500 ft ²	2					
Samp	ole ID	120518-JETT-F-U																12	0518-JET	T-F-D					
Sample	e Time						09:52												09:39	ı					
		pel							PC	СВ		40	ne	pel							P	СВ		4)	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 6		*	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	58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	62.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Analy	В	59.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	69.5	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												12/05	5/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity			nber Pi on Ren	le Cap noval		Com	nents															
	Т	ide												E	bb										
	Source	Location												В	54										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	it¹										500 ft ²	2					
Samp	le ID			518-TIP	C-E-U							12	0518-TIP	C-E-D											
Sample	Time						11:02	!											10:53						
		pə							P	СВ			ЭС	pa							PC	СВ			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	1	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
esult ⁴	s			NS												NS									
Analytical Result ⁴	М	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29.3	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 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

	Surve	ey Date												12/06	6/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	DBF	RI - De	bris Re	moval		Com	ments															
		ide													ood										
		Location												B ⁻	185										
Sam Loca	tion					Upcu	rrent (A	mbien	t)										Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					120	618-DBF	RI-F-U										12	0618-DBI	RI-F-D					
Sample	Time						10:30												10:14						
		led							P	СВ	1	ø.	ne	led							PC	В		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	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 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
esult ⁴	s	40.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Analy	В	44.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	45	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												12/06	6/2018										
	Surve	у Туре												V - Vess	sel Basec	l									
C	onstructi	ion Activi	ity		JETT	- Jettin	g		Com	nents															
		ide												FI	ood										
		Location												В	166										
Sam Loca		Upcurrent (Ambient)																I	Downcur	rent					
Distar Sou		Approx. 500 - 1000 ft ¹																500 ft ²	2						
Samp	ole ID	120618-JETT-F-U																12	0618-JET	T-F-D					
Sample	e Time		09:54																09:39	ı					
		pel							P	СВ		40	ne	pel							P	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
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
sult4	s	55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	69.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Analy	В	76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	85	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												12/06	5/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity			ber Pi on Ren	e Cap noval		Comi	nents															
	Т	ide												E	bb										
		Location												В	85										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Sou				Approx. 500 - 1000 ft ¹															500 ft ²	2					
Samp	le ID			618-TIP	C-E-U										12	0618-TIP	C-E-D								
Sample	Time						11:24												11:14						
		pa							P	СВ		_	пе	pa							PC	СВ			ле
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	-	ı	1	ı	16	0.0006
esult4	s						NS												NS						
Analytical Result ⁴	М	28.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	54.4	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

⁻⁻ 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	y Date												12/07	7/2018										
	Surve	у Туре												V - Vess	sel Basec	l									
С	onstruct	ion Activi	ty		JETT	- Jettin	g		Com	nents															
		ide												FI	ood										
		Location												В	167										
Sam Loca						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distar Sou		Approx. 500 - 1000 ft ¹																	500 ft	2					
Samp	ole ID	120718-JETT-F-U																12	0718-JET	T-F-D					
Sample	e Time						10:58												10:46						
		pel							P	СВ		40	ne	pel							P	СВ		4)	ЭL
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 6		*	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	54.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	65.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Analy	В	56.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	77.2	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

	Surve	ey Date												12/10)/2018										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activi	ty		JETT	- Jettin	g		Com	nents															
	T	ide						•						Fl	ood										
		Location												В	168										
Sam Loca		Upcurrent (Ambient)																I	Downcur	rent					
Distar Sou			Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samp	ole ID					121	018-JET	T-F-U										12	1018-JET	T-F-D					
Sample	e Time						13:31												13:17						
		pə							P	СВ			Je J	pə							P	СВ			J 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
Ur	nit	(ppm)					((ppb)						(ppm)			•			(ppb)					•
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 + 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	28.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS NS																NS						
Analy	В	44.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	55.2	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												12/11	1/2018										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activi	ity		JETT	- Jettin	g		Com	nents															
	Т	ide												Fl	ood										
		Location												В	168										
Sam Loca		Upcurrent (Ambient)															ı	Downcur	rent						
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					121	118-JET	T-F-U										12	1118-JET	T-F-D					
Sample	Time						09:56												09:41						
		pel							PC	СВ			Je L	pə							PC	СВ		0	ne 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 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	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			-	1	16	0.0006
esult4	s	25.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	25.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS								_				NS						
Anal	В	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29.7	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.

											12/12	2/2018														
Survey Type														V - Ves	V - Vessel Based											
C	onstruct	ion Activi	ity		JETT	- Jettin	g		Com	nents																
	Т	ide												FI	ood											
												В	168													
Sam Loca			Upcu	rrent (A	t)					Downcurrent																
Distan Sou						Appro	x. 500 -	0 - 1000 ft ¹ 500 ft ²																		
Samp	le ID		121218-JETT-F-U											121218-JETT-F-D												
Sample	Time			10:41										10:26												
		Total Suspended Solids							PO	В			Je L	pə							P	СВ			Je L	
Parameter	Parameter		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)											(ppm)											•		
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 + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	
ll .	Water Quality Standard ³		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	20.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Analytical Result⁴	М						NS												NS							
Analy		24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27.2	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.

											12/13	3/2018															
Survey Type														V - Ves	- Vessel Based												
C	onstruct	ion Activi	ity	TIPC - Timber Pile Cap Foundation Removal Comments																							
	Т	ide												FI	ood												
Source Location														В	40												
Loca	Sample Upcurrent (Ambient)										Downcurrent																
	istance to Source Approx. 500 - 1000 ft ¹										500 ft ²																
Samp	ole ID			121318-TIPC-F-U											121318-TIPC-F-D												
Sample	e Time			13:04											12:52												
		Total Suspended Solids							PC	СВ			e e	pə							P	СВ			Э е		
Parameter	Parameter		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)											(ppm)											•			
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		
11	Water Quality Standard ³		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	16.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Analytical Result ⁴	М						NS												NS								
Analy		15.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19.2	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.

											12/17	7/2018														
											V - Vess	sel Based														
Construction Activity					JETT - Jetting																					
	Ti	ide						•						E	bb											
Source Location														В	180											
l	Sample Upcurrent (Ambient)									Downcurrent																
	istance to Source Approx. 500 - 1000 ft ¹										625 ft ²															
Samp	le ID					121	718-JET						121718-JETT-E-D													
Sample	Time			08:46											08:32											
		pa						P	РСВ		—	_ e	pə							P	СВ			_ 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	-	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	
sult4	s	12.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Analytical Result ⁴	М						NS												NS							
Analyt		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	

- 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 500 ft 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
- 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.

											12/19	9/2018													
	Surve											V - Vess	sel Based												
Construction Activity					JETT	- Jettir	g		Comments																
	Т	ide						•						E	bb										
Source Location														В	180										
ll .	Sample Upcurrent (Ambient)							t)			Downcurrent														
	Source Approx. 500 - 1000 ft ¹										500 ft ²														
Samp	le ID					121	918-JET						121918-JETT-E-D												
Sample	Time					12:40							12:26												
		pə						P	СВ		0	_ e	pə							P	СВ			l 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	-	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
sult4	s	50.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Analyt		97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	105	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.