	Surve	ey Date												09/04	1/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstructi	on Activ	ity		JETT	- Jettir	g		Comr	nents															
	Ti	ide													bb										
		Location												B ⁻	169										
Sam Locat						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sour						Appro	x. 500 -	1000 f	t¹										500 ft ²	2					
Samp	le ID					090	418-JET	T-E-U										09	0418-JET	T-E-D					
Sample	Time						09:31												09:17						
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
ssult ⁴	s	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М		NS																NS						
Analy	В	32.5	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
- 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												09/04	1/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	SIDI	- Silt I	Displac	ement		Com	nents															
	Т	ide													bb										
		Location												B [.]	171										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ı	Downcuri	rent					
Distan Sou						Appro	x. 500 -	1000 f	t¹										500 ft ²	!					
Samp	le ID					090	418-SIE	I-E-U										09	0418-SID	I-E-D					
Sample	Time						10:03												09:41						
		per							P	СВ			ne	ded							PC	В		•	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)		•			(ppb)						(ppm)					(ppb)					
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	-	1	ı	ı	16	0.0006
ssult ⁴	s	8.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	18.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.2	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

	Surve	ey Date												09/04	1/2018										
	Surve	у Туре												V - Vess	el Based										
Co	nstructi	ion Activ	ity	DBF	RI - Del	bris Re	moval		Comr	nents															
	Ti	ide													bb										
		Location												B	173										
Sam Loca						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Sou			Approx. 500 - 1000 ft ¹															500 ft ²	2						
Samp	le ID					090	418-DBF	RI-E-U										09	0418-DBI	RI-E-D					
Sample	Time						10:33												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	0.07	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
ssult ⁴	s	22.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	18.3	ND	ND	ND	ND	ND	ND	ND	10.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Analy	В	33.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27.6	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

	Surv	ey Date												09/04	1/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity			iber Pi on Ren	le Cap noval		Comi	nents															
	Т	ide												E	bb										
	Source	Location												В	76										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t¹										500 ft ²	2					
Samp	le ID					090	418-TIP	C-E-U										09	0418-TIP	C-E-D					
Sample	Time						11:57												11:48						
		pel							P	СВ			ne	pə							PC	СВ			ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)						(ppb)						(ppm)						(ppb)		•	•		
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		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				•		NS	•				•	•						NS	•					
Analytical Result ⁴	М	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.8	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 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												09/05	5/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	DBF	RI - Del	bris Re	moval		Comr	nents															
		ide													bb										
		Location												B ⁻	173										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									l	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t¹										500 ft ²	2					
Samp	le ID					090	518-DBF	RI-E-U										09	0518-DBI	RI-E-D					
Sample	Time						09:29												09:06						
		pər							P	СВ		۵	ne	per							PO	СВ		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)					
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	16.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	22.3	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	28.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	41	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

	Surve	ey Date												09/05	5/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	SIDI	- Silt [Displac	ement		Comr	nents															
	T	ide												E	bb										
	Source	Location												B [,]	171										
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		090518-SIDI-E-U															09	0518-SIE	I-E-D					
Sample	Time						10:06												09:49						
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 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	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	37.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Analı	В	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	52.5	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
- 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												09/05	5/2018										
	Surve	у Туре												V - Vess	sel Based	l									
Co	nstruct	ion Activ	ity			ber Pil on Ren			Comr	nents															
	Т	ide												E	bb										
ļ		Location												В	880										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou			Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samp	le ID					090	518-TIP	C-E-U										09	0518-TIP	C-E-D					
Sample	Time						10:55												10:44						
		led							PC	СВ		Ф	ne	per							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)					•
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	1	-			16	0.0006	*	0.0007	8.2	5.6	8.0	66				ı	16	0.0006
esult4	s						NS								•				NS						
Analytical Result ⁴	М	29.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36.3	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
- 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	y Date												09/06	6/2018										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	on Activi	ity	SIDI	- Silt [Displac	ement		Com	nents															
		de													ood										
		Location												B ⁻	171										
Sam Loca	tion					Upcu	rrent (A	mbien	t)										Downcur	rent					
Distar Sou			Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samp	le ID		090618-SIDI-F-U															09	90618-SIE	DI-F-D					
Sample	Time						09:09												08:53						
		ped							P	В			l e	pel							P	СВ			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
Ur	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 (,	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66	-				16	0.0006
sult4	s	14.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	м	20.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	28.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	42.4	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

	Surv	ey Date												09/06	5/2018										
	Surve	у Туре												V - Vess	sel Based	l									
Co	onstruct	ion Activ	ity			nber Pil on Ren			Comr	nents															
	Т	ide												E	bb										
ļ		Location												В	881										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ا	Downcur	rent					
Distan Sou			Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samp	le ID					090	618-TIP	C-E-U										09	0618-TIP	C-E-D					
Sample	Time						10:59												10:49						
		led							PC	СВ		Ф	ne	per							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
Un	it	(ppm)					(ppb)			•			(ppm)					. (ppb)					•
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1
Water C Stand		*	0.0007	8.2	5.6	8.0	66	1	-			16	0.0006	*	0.0007	8.2	5.6	8.0	66				1	16	0.0006
esult ⁴	s						NS												NS						
Analytical Result ⁴	М	19.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.4	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
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- 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												09/06	5/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activ	ity	DBF	RI - Del	oris Re	moval		Comr	nents															
	Т	ide													bb										
		Location												B [,]	172										
Sam Loca		rrent (A	mbien	t)									ı	Downcur	rent										
Distan Sou			Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samp	le ID					090	618-DBF	RI-E-U										09	0618-DBI	RI-E-D					
Sample	Time						13:57												13:35						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254 W	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254 B	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	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	30.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	88	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

	Surve	ey Date												09/07	7/2018										
	Surve	у Туре												V - Vess	sel Based										
С		ion Activ	ity	DBF	RI - Del	bris Re	moval		Comr	nents															
		ide													bod										
		Location												B	172										
Sam Loca	ition					Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					090	718-DBF	RI-F-U										09	0718-DBF	RI-F-D					
Sample	e Time						08:49												08:31						
		pel							PC	В			e e	pəl							PC	В		0	a e
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 Limit³	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	1	0.1
Water (*	0.0007	8.2	5.6	8.0	66	1	1	-	1	16	0.0006	*	0.0007	8.2	5.6	8.0	66		1	1	-	16	0.0006
sult4	s	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	30.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	133	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	75.5	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

	Surve	ey Date												09/07	7/2018										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activi	ity	SIDI	- Silt [Displac	ement		Comr	nents															
		ide													ood										
		Location												B ²	171										
Sam Loca	tion				Upcu	rrent (A	mbien	t)									I	Downcur	rent						
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID	090718-SIDI-F-U																09	0718-SIE)I-F-D					
Sample	Time						09:16												08:59						
		pel							P	В			l e	pel							PC	СВ			e e
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
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
ssult4	s	36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Analytical Result⁴	М	35.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anal	В	71.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	113	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

	Surve	ey Date												09/11	1/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activi	ity		JETT	- Jettin	g		Com	nents															
		ide												Fle	bod										
		Location												B ²	170										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					091	118-JET	T-F-U										09	1118-JET	T-F-D					
Sample	Time		09:20																09:05						
eter		Solids	ury	le l	Je.	g	v	242	248 Jd	1	260	alene	pyrene	pended	ury	le)er	ס	ပ	242	248 Od		260	alene	pyrene
Parameter		Total Sus	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 C Stand		*	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	20.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	29.2	ND											31.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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.

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												09/11	1/2018										
	Surve	у Туре												V - Vess	sel Based										
C		ion Activi	ity	DBF	RI - Del	oris Re	moval		Comr	nents															
		ide													ood										
Source Location Sample Location														B ⁻	172										
Loca				Upcu	rrent (A	mbien	t)										Downcur	rent							
Distance to Source						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					091	118-DBF	RI-F-U										09	1118-DB	RI-F-D	ı				
Sample	Time						09:50												09:29	ı					
		pel							P	В			l e	pel							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
Ur	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 (, ,	*	0.0007	8.2	5.6	8.0	66	-				16	0.0006	*	0.0007	8.2	5.6	8.0	66	-				16	0.0006
sult4	s	120	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S 120 ND					ND	ND	ND	ND	ND	ND	ND	ND	ND	29.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	20.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	45.6	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

	Surve	ey Date												09/11	1/2018										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activi	ity	SIDI	l - Silt [Displac	ement		Com	nents															
		ide													ood										
		Location											B	171											
Sample Location Distance to						Upcu	rrent (A	mbien	t)										Downcur	rent					
Distar Sou					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2						
Samp	ole ID					091	118-SID	I-F-U										09	91118-SIE	DI-F-D					
Sample	e Time						10:20												10:00	1					
		pel							P	В			l e	pel							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
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
sult4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Analytical Result⁴	М	51.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Analy	В	88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	109	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

	Surve	ey Date												09/11	1/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activi	ity			nber Pil on Rem			Com	nents															
l	T	ide												Fl	ood										
		Location												В	83										
Sam Loca	tion					Upcu	rrent (A	mbien	t)										Downcur	rent					
Distan Soui						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					091	118-TIP	C-F-U										09	1118-TIP	C-F-D					
Sample	Time						12:58												12:46	i					
		pə							PC	В			e e	pa							PC	В		_	e e
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)			•		(ppb)		•				(ppm)					. ((ppb)					
Detection	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 C Stand	-	*	0.0007	8.2	5.6	8.0	66	1	-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	1	1	16	0.0006
ssult4	s	47.2 ND											40.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Analytical Result ⁴	М						NS												NS						
Anal	В	39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	37.5	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
- 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												09/12	2/2018										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activi	ity			iber Pil on Rem			Com	nents															
	T	ide												FI	ood										
		Location												В	85										
Sam Loca					Upcu	rrent (A	mbien	t)										Downcur	rent						
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					091	218-TIP	C-F-U										09	1218-TIP	C-F-D					
Sample	Time						09:11												08:57						
		pə							PC	СВ			e e	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
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
sult4	s	21.8 ND										ND	ND	24.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	27.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35.2	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												09/12	2/2018										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activi	ity	DBF	RI - Del	bris Re	moval		Comr	nents															
	T	ide												Fle	ood										
		Location												B ²	172										
Sam Loca	ition					Upcu	rrent (A	mbient	t)									l	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					091	218-DBF	RI-F-U										09	1218-DBI	RI-F-D	1				
Sample	e Time						10:54												10:34						
		pel							P	СВ			l e	pel							P	СВ			e e
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
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	1				16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
sult4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Analytical Result⁴	М	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	51.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	199	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	91	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

	Surve	ey Date												09/12	2/2018										
	Surve	у Туре												V - Vess	sel Based										
С		ion Activ	ity	SID	- Silt [Displac	ement		Comr	nents															
		ide													bod										
		Location												B	171										
Sample Location Distance to						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					091	218-SID	I-F-U										09	1218-SIE)I-F-D					
Sample	e Time						11:30												11:11						
		pel							PC	В			e e	pəl							PC	В		0	a e
Totomore		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)					
Detection	on Limit ³	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	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
sult4	s	33.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	68.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	162	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	308	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	187	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

	Surve	ey Date												09/13	3/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstructi	on Activ	ity		JETT	- Jettin	g		Com	nents															
	Ti	ide													bb										
		Location												B ⁻	170										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Soui						Appro	x. 500 -	1000 f	t¹										500 ft ²	2					
Samp	le ID					091	318-JET	T-E-U										09	1318-JET	T-E-D					
Sample	Time						08:41												08:26						
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
ssult ⁴	s	39.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	58.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Analy	В	71	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	64.3	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												09/13	3/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstructi	ion Activ	ity	DBF	RI - Del	bris Re	moval		Comr	nents															
		ide													bb										
		Location												B ⁻	172										
Sam Loca	tion				Upcu	rrent (A	mbien	t)									l	Downcur	rent						
Distan Sou		Approx. 500 - 1000 ft ¹																500 ft ²	2						
Samp	le ID					091	318-DBF	RI-E-U										09	1318-DBI	RI-E-D					
Sample	Time						09:23												08:53						
		pəl							P	В			ne	pel							P	СВ			ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(ppb)						(ppm)					(ppb)	•				
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		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	21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	45.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	31	ND	ND	ND	ND	ND	ND	51.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Analy	В	35	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	64.3	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

	Surve	ey Date												09/13	3/2018										
	Surve	у Туре												V - Ves	sel Based										
C	onstruct	ion Activi	ity			nber Pil on Ren			Com	nents															
	Т	ide												FI	ood										
		Location												В	71										
Sam Loca	ition					Upcu	rrent (A	mbien	t)										Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					091	318-TIP	C-F-U										09	1318-TIP	C-F-D					
Sample	e Time						10:09												09:52	!					
		pe							PC	СВ			ј	pə							P	СВ			Э е
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 (- 1	*	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	36.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Anal	В	28.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	65.7	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.

	Surve	ey Date												09/14	1/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	SIDI	- Silt I	Displac	ement		Comr	nents															
	T	ide												E	bb										
	Source	Location												B [,]	171										
Sam Loca						Upcu	rrent (A	mbien	t)									ļ	Downcur	rent					
Distan Soui						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					091	418-SIE	I-E-U										09	91418-SIE	I-E-D					
Sample	Time						09:00												08:45						
ř		pəpu						2		2B		ne	rene	pəpu						2		2B	0	e e	rene
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
esult ⁴	s	44.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Analy	В	45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	41	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	y Date												09/14	1/2018										
	Surve	у Туре												V - Vess	sel Based	l									
Co	nstructi	on Activ	ity	DBF	RI - De	bris Re	moval		Comr	nents															
	Ti	ide													bb										
		Location												B ⁻	166										
Sam Loca						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Soul						Appro	x. 500 -	1000 f	t¹										500 ft ²	2					
Samp	le ID					091	418-DBF	RI-E-U										09	1418-DBF	RI-E-D					
Sample	Time						09:21												09:08						
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
esult ⁴	s	49.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Analy	В	57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	86.5	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
- 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												09/14	1/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity		JETT	- Jettin	g		Comr	nents															
	Т	ide													bb										
		Location												B ⁻	170										
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					091	418-JET	T-E-U										09	1418-JET	T-E-D					
Sample	Time						09:44												09:30						
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		*	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
esulf*	s	38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	48	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	49.7	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
- $^{\rm 2}$ 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.

	Surve	ey Date												09/17	7/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activ	ity	DBF	RI - Del	bris Re	moval		Comr	nents															
		ide													bb										
		Location												B ⁻	167										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou		Approx. 500 - 1000 ft ¹																	500 ft ²	2					
Samp	le ID		091718-DBRI-E-U															09	1718-DBF	RI-E-D					
Sample	e Time						09:08												08:54						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	nit	(ppm)		•			(ppb)			•	•		(ppm)		•				(ppb)					
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	1				16	0.0006	*	0.0007	8.2	5.6	8.0	66				ı	16	0.0006
esulf⁴	s	12.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Analy	В	18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24.5	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
- 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												09/17	7/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstructi	on Activ	ity	SIDI	- Silt [Displac	ement		Comr	nents															
	Ti	ide													bb										
		Location												B [.]	171										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Soui						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					091	718-SID	I-E-U										09	1718-SID	I-E-D					
Sample	Time		_				09:52							_	_				09:39						
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)	٩	٩	٩_		ш	(ppm)						(ppb)	4	٩.	٩_		
Detec Lim	tion	Ambient +	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 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
esult ⁴	s	8.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Analy	В	21.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16	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												09/17	7/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity			ber Pi on Ren			Com	nents															
	Т	ide												E	bb										
		Location												В	73										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Soui				Approx. 500 - 1000 ft ¹															500 ft ²	2					
Samp	le ID		091718-TIPC-E-U															09	1718-TIP	C-E-D					
Sample	Time						10:22												10:12						
		pa							PO	В				pa							PC	В			<u>ə</u>
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 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						NS												NS						
Analytical Result ⁴	М	17.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24.2	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 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												09/19	9/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activ	ity	DBF	RI - De	bris Re	moval		Comr	nents															
	Т	ide													bb										
											B	167													
Sample Location Distance to						Upcu	rrent (A	mbien	t)									ı	Downcuri	rent					
Distan Sou					Appro	x. 500 -	1000 f	t¹										500 ft ²	!						
Samp	le ID				091	918-DBF	RI-E-U										09	1918-DBF	RI-E-D						
Sample	Time						09:14												08:51						
er	i	Suspended Solids	>	_	_			42	1	ZB	09	eue	rene	papue	>		,			42	& 54 €		09	ene	rene
Parameter		Total Susper	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 0		*	0.0007	8.2	5.6	8.0	66	-			-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	1	-		ı	16	0.0006
esulť	s	7.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	9.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Analy	В	14.4	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 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
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	Surve	y Date												09/19	9/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	SIDI	- Silt [Displac	ement		Comr	nents															
	T	ide												E	bb										
		Location												В	171										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou		Approx. 500 - 1000 ft ¹																500 ft ²	2						
Samp	le ID	091918-SIDI-E-U																09	1918-SIE	I-E-D					
Sample	Time						11:45								_				11:30						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	1242	1	1254 W	1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	1242		1254 B	1260	Naphthalene	Benzo(a)pyrene
Para		Total Su So	Mer	Ni	Cog	Le	Ϊ	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Napht	Benzo(a	Total Su So	Mer	Š	Cop	Le	Ϊ́Ζ	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Napht	Benzo(a
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	1	-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esulf ⁴	s	7.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS NS																NS						
Anal	В	13.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19.8	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
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	Surv	ey Date												09/19	9/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activ	ity		JETT	- Jettir	g		Com	nents															
		ide													bb										
		Location												B	170										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t¹										500 ft ²						
Samp	le ID					091	918-JET	T-E-U										09	1918-JET	T-E-D					
Sample	Time						14:30						_						14:09						
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 0 Stand		*	0.0007	8.2	5.6	8.0	66	-	-		-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	1	1	1	ı	16	0.0006
esulf ⁴	s	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	8.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	18.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anal	В	10.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	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
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	Surve	ey Date												09/19	9/2018										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activi			ber Pilon Dn Rem			Com	nents																
	T	ide												FI	ood										
		Location												В	77										
Sam Loca						Upcu	rrent (A	mbien	t)										Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					091	918-TIP	C-F-U										09	1918-TIP	C-F-D					
Sample	e Time						15:09												14:55						
		pe							PC	СВ			e e	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
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 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	18.5	8.5 ND											16.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analy	В	13.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.4	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												09/20)/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activi	ity		JETT	- Jettin	g		Com	nents															
	Т	ide												Fle	ood										
		Location												B ²	170										
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					092	018-JET	T-F-U										09	2018-JET	T-F-D					
Sample	Time						08:59												08:46						
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)			l		(ppb)	l					(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	-	-	1	1	16	0.0006
sult4	s	11.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	24.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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.

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												09/20)/2018										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activ	ity	DBF	RI - De	bris Re	moval		Com	nents															
	Т	ide												E	bb										
		Location												B ⁻	168										
Sam Loca						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	!					
Samp	le ID					092	018-DBF	RI-E-U										09	2018-DBF	RI-E-D					
Sample	Time						10:19												10:00						
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 +	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	10.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	10.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	17.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19.6	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
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- -- No detection limit or water quality standard
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	Surve	ey Date												09/20	0/2018										
	Surve	у Туре												V - Vess	sel Based	l									
Co	nstructi	ion Activ			nber Pi on Ren			Comi	nents																
	Ti	ide												E	bb										
		Location												В	379										
Sam Loca					Upcu	rrent (A	mbien	t)									i	Downcur	rent						
Distan Soui					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2						
Samp	le ID					092	018-TIP	C-E-U										09	2018-TIP	C-E-D					
Sample	Time	11:26																	11:11						
		pə							P	В			_ e	pə							P	СВ		_	
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
sult ⁴	s	14.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М						NS												NS						
Analy	В	16.2	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 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
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	Surve	ey Date												09/20)/2018										
	Surve	у Туре												V - Vess	sel Based	l									
Co	nstruct	ion Activ	ity	SIDI	- Silt [Displac	ement		Comr	nents															
	Т	ide												Е	bb										
		Location												B ⁻	170										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Soul						Appro	x. 500 -	1000 f	t¹										500 ft ²	2					
Samp	le ID					092	018-SID	I-E-U										09)2018-SIE	I-E-D					
Sample	Time						13:45												13:30						
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				ı	16	0.0006
ssulf⁴	s	11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17	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	36	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
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	Surve	ey Date												09/21	1/2018										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity	SIDI	- Silt [Displac	ement		Comr	nents															
		ide													ood										
		Location												B ²	172										
Sam Loca	ition					Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					092	118-SID	I-F-U										09)2118-SIE	DI-F-D					
Sample	e Time						09:20												09:02						
		pel							P	СВ			l e	pel							P	СВ			ne ne
o de la companya de l		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	1	0.1
	Water Quality * 0.0007					8.0	66	-				16	0.0006	*	0.0007	8.2	5.6	8.0	66	-				16	0.0006
sult4	s	10.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	14.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	37.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	65.5	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

	Surve	ey Date												09/21	1/2018										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activi	ty			ber Pilon Dn Rem			Com	nents															
	T	ide												Fle	ood										
		Location												В	81										
Sam Loca				Upcu	rrent (A	mbien	t)										Downcur	rent							
Distar Sou					Appro	x. 500 -	1000 f	t ¹										500 ft ²	2						
Samp	ole ID					092	118-TIP	C-F-U										09	2118-TIP	C-F-D					
Sample	e Time						10:19												10:09						
		pe							P	В			Je L	pa							P	СВ			эu
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 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	14.6 ND											12.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Analytical Result⁴	М						NS												NS						
Analy	В	13.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.4	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												09/24	1/2018										
	Surve	у Туре												V - Vess	sel Based										
C		ion Activi	ty	SIDI	- Silt [Displac	ement		Comr	nents															
		ide													ood										
		Location												B ⁻	172										
Sam Loca	tion					Upcu	rrent (A	mbien	t)										Downcur	rent					
Distar Sou				Appro	x. 500 -	1000 f	t ¹										500 ft ²	2							
Samp	le ID				092	418-SID	I-F-U										09	92418-SIE	DI-F-D						
Sample	Time						10:34												10:13	i					
		pel							P	В			ne	pel							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
Ur	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 (*	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	16.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S 16.5 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	106	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	98	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

	Surve	ey Date												09/24	1/2018										
	Surve	у Туре												V - Ves	sel Based										
C	onstruct	ion Activi	ity			ber Pil on Ren			Com	nents															
	T	ide												FI	ood										
		Location												В	69										
Sam Loca	ition					Upcu	rrent (A	mbien	t)										Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					092	418-TIP	C-F-U										09	2418-TIP	C-F-D					
Sample	e Time	12:06																	11:44						
														pə							P	СВ			Je L
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
sult4	s	24.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Analy	В	23.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	123	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												09/24	1/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activ	ity	DBF	RI - Del	bris Re	moval		Comr	nents															
		ide													bb										
		Location												B ⁻	167										
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					092	418-DBF	RI-E-U										09	2418-DBF	RI-E-D					
Sample	e Time						13:44												13:29						
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 0		*	0.0007	8.2	5.6	8.0	66	1	-			16	0.0006	*	0.0007	8.2	5.6	8.0	66				ı	16	0.0006
esulf ⁴	s	28.5	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 Result⁴	М		NS																NS						
Analy	В	26.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28.8	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												09/26	6/2018										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activi	ty	SIDI	- Silt [Displac	ement		Com	nents															
	Source													ood											
											B	172													
Sam Loca	tion					Upcu	rrent (A	mbien	t)										Downcur	rent					
Distance to Source						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					092	618-SID	I-F-U										09	92618-SIE	DI-F-D					
Sample	e Time						08:56												08:39	ı					
		pel							P	В			ne	pel							P	СВ		_	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 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
sult4	s	20.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	24.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Analy	В	64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	52.5	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

	Surve	ey Date												09/26	6/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	DBF	RI - De	bris Re	moval		Com	nents															
	Т	ide												Fle	ood										
		Location												B ²	167										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Soui						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					092	618-DBF	RI-F-U										09	2618-DBF	RI-F-D					
Sample	Time		09:19																09:06						
		pep								В		<u> </u>	ene	pep							1	В		e e	eue
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)		l			(ppb)	l	l				(ppm)					((ppb)	<u> </u>		l		
Detection	n Limit ³	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1
Water C 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
esult4	s	19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Anal	В	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	57.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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.

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												09/26	6/2018										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activi			iber Pil on Rem			Com	nents																
	Т	ide												FI	ood										
		Location												В	370										
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					092	618-TIP	C-F-U										09	2618-TIP	C-F-D					
Sample	Time						09:55												09:43						
		pəl							PC	СВ			ne	pə							PC	СВ		•	e l
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 (*	0.0007	8.2	5.6	8.0	66	-	-			16	0.0006	*	0.0007	8.2	5.6	8.0	66	-		-	-	16	0.0006
esult4	s	39.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	47.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analy	В	57.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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- 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												09/26	6/2018										
	Surve	у Туре												V - Vess	sel Based										
C		ion Activi	ity		JETT	- Jettin	g		Com	nents															
		ide													bod										
		Location												B ²	171										
Sam Loca					Upcu	rrent (A	mbien	t)									ı	Downcur	rent						
Distan Sou		Approx. 500 - 1000 ft ¹																	500 ft ²	2					
Samp	le ID		092618-JETT-F-U															09	2618-JET	ΓT-F-D					
Sample	Time						12:06												11:46	i					
		papu						- 2	PC			Je .	ene	pəpı							1	СВ		Je J	eue
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 (*	0.0007	8.2	5.6	8.0	66	-				16	0.0006	*	0.0007	8.2	5.6	8.0	66	-				16	0.0006
sult4	s	34.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	62.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	37	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	37.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59.3	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

	Surve	ey Date												09/27	7/2018										
	Surve	у Туре												V - Vess	sel Based										
C	onstructi	ion Activi	ty	SIDI	l - Silt [Displac	ement		Com	nents															
		ide													ood										
	Source												B	172											
Sam Loca	tion					Upcu	rrent (A	mbien	t)										Downcur	rent					
Distance to Source						Appro	x. 500 -	1000 f	t ¹										500 ft	2					
Samp	ole ID					092	718-SID	I-F-U										09	92718-SIE	DI-F-D					
Sample	e Time	092718-SIDI-F-U 10:08																	09:49	1					
		pel							P	В			l e	pel							P	СВ			Je L
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
sult4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
W 30.8 ND B 69.5 ND					ND	ND	ND	ND	ND	ND	ND	ND	ND	40.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	69.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	38.7	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

	Surve	ey Date												09/27	7/2018										
	Surve	у Туре												V - Vess	sel Based										
C		ion Activ	ity	DBF	RI - De	bris Re	moval		Com	nents															
		ide													ood										
		Location												B	168										
Sam Loca						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Sou			Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samp	le ID		092718-DBRI-F-U															09	2718-DBI	RI-F-D					
Sample	Time						10:33												10:19						
		pel							PC	В			ne	pel							PC	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	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	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	-	-	-	1	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-			-	16	0.0006
sult4	s	30.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Anal	В	61.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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.

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												09/27	7/2018										
	Surve	у Туре												V - Ves	sel Based										
C	onstruct	ion Activi	ity			ber Pil on Ren			Com	nents															
	T	ide												FI	ood										
		Location												В	71										
Sam Loca	ition					Upcu	rrent (A	mbien	t)										Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	ole ID					092	718-TIP	C-F-U										09	2718-TIP	C-F-D					
Sample	e Time	11:06																	10:52	!					
														pe							PO	СВ			Je L
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
sult4	s	40.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	48.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Analy	В	51.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	55.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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- 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.

Survey Date														09/28	3/2018											
Survey Type														V - Vess	sel Based											
Construction Activity					JETT - Jetting Comments																					
Tide														Fle	ood											
		Location												B ²	171											
Sample Location				Upcurrent (Ambient)											Downcurrent											
Distar Sou		Approx. 500 - 1000 ft ¹							t ¹			500 ft ²														
Samp	ole ID		092818-JETT-F-U												092818-JETT-F-D											
Sample	e Time	09:42													09:25											
		pel							P	В			l e	pep							P	СВ			e e	
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	
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	
sult4	s	22.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Analytical Result⁴	М	22.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Analyt		24	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 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

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Survey Date														09/28	3/2018											
Survey Type														V - Vess	sel Based											
Construction Activity					SIDI - Silt Displacement Comments																					
		ide													ood											
		Location												B ²	172											
Sample Location						Upcu	rrent (A	t)					Downcurrent													
Distar Sou		Approx. 500 - 1000 ft ¹											500 ft ²													
Samp	ole ID					092	818-SID	I-F-U						092818-SIDI-F-D												
Sample	e Time	10:08													09:53											
		pel							P	СВ			l e	pep							P	СВ			e e	
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	
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	
sult4	s	19.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	21.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Analytical Result⁴	М	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Analyt B		23.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

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

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

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

⁻⁻ No detection limit or water quality standard

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

Survey Date														09/28	3/2018											
Survey Type Construction Activity														V - Vess	el Based											
Construction Activity					RI - De	bris Re	moval		Com	nents																
	Т	ide												Fle	ood											
	Source												B ²	168												
Sample Location				Upcurrent (Ambient)											Downcurrent											
	Distance to Source					Approx. 500 - 1000 ft ¹										500 ft ²										
Samp	le ID	092818-DBRI-F-U												092818-DBRI-F-D												
Sample	Time		10:35												10:21											
_		pepu						- 7		CB	Ι.,	ne.	rene	pəpu						- 2	P(ne	rene	
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	
Un	it	(ppm)		(ppb)										(ppm) (ppb)												
Detection	n Limit ³	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	0.1	
Water C Stand		*	0.0007	8.2	5.6	8.0	66	-	-			16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	1	1	1	16	0.0006	
sult4		23.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Analytical Result⁴	М						NS												NS							
Analyt		24.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	42.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

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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

Survey Date														09/28	3/2018											
Survey Type														V - Ves	- Vessel Based											
C	onstruct	ion Activi	ity	TIPC - Timber Pile Cap Foundation Removal Comments																						
Tide														FI	ood											
Source Location														В	71											
Sam Loca			Upcu	rrent (A	t)					Downcurrent																
Distar Sou						Appro	x. 500 -	1000 f	t ¹			500 ft ²														
Samp	ole ID		092818-TIPC-F-U												092818-TIPC-F-D											
Sample	e Time		12:09												11:57											
		Total Suspended Solids							P	В			Je L	pe							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	
Ur	nit	(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		0.1	
Water (- 1	*	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	26.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Analytical Result⁴	М						NS												NS							
Analy		30.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	26.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

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- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
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- 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.