	Surve	ey Date												04/02	2/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activi	ity	SIDI	- Silt [	Displac	ement		Comr	nents															
		ide													ood										
		Location												B	175										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	le ID					040	218-SIE	I-F-U										04	10218-SIE	)I-F-D					
Sample	Time						11:01								_				10:27						_
		peq							PO	СВ		o o	ne	led							PC	СВ		ø)	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)			•	•	(	ppb)				•	•	(ppm)						(ppb)	•				
Detectio	n Limit <sup>3</sup>	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	1	-	1	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	1	ı	1	16	0.0006
sult <sup>4</sup>	s	43.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	96.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М	108	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	92.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	158	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	112	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

<sup>&</sup>lt;sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

<sup>&</sup>lt;sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

<sup>&</sup>lt;sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

<sup>--</sup> No detection limit or water quality standard

<sup>\*</sup> None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												04/02	2/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activi	ity		JETT	- Jettin	g		Comr	nents							Ва	allard .	Jetting						
		ide													ood										
		Location												B <sup>r</sup>	175										
Sam Loca					Upcu	rrent (A	mbien	t)									ı	Downcur	rent						
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	le ID					040	218-JET	T-F-U										04	0218-JET	T-F-D					
Sample	Time						11:45												11:18						
		ded							PO	В		e	ne	ded							PO	СВ		Ð	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(	ppb)						(ppm)						(ppb)	•				
Detection	n Limit <sup>3</sup>	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 G		*	0.0007	8.2	5.6	8.0	66	1	-	1	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	ı	1	16	0.0006
sult <sup>4</sup>	s	38.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	51.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	81.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	107	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

<sup>&</sup>lt;sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

<sup>&</sup>lt;sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

<sup>&</sup>lt;sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

<sup>--</sup> No detection limit or water quality standard

<sup>\*</sup> None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												04/02	2/2018										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity	DBF	RI - De	bris Re	moval		Comr	nents															
	-	ide													ood										
		Location												B	172										
San Loca	ation				Upcu	rrent (A	mbien	t)									ı	Downcur	rent						
Distar Sou	nce to Irce					Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	ole ID					040	218-DBF	RI-F-U										04	0218-DBI	RI-F-D					
Sampl	e Time						12:37												12:10						_
		per							PC	СВ		ω	ne	led							PO	СВ		Φ	ne
rotomored		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Uı	nit	(ppm)			•		(	ppb)		•		•	•	(ppm)						(ppb)	•				
Detection	on Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	0.1
Water (	,	*	0.0007	8.2	5.6	8.0	66	ı	ı	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	ı	ı	16	0.0006
∍sult⁴	s	92.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	83	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М	75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	97.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	139	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

<sup>&</sup>lt;sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

<sup>&</sup>lt;sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

<sup>&</sup>lt;sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

<sup>--</sup> No detection limit or water quality standard

<sup>\*</sup> None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												04/02	2/2018										
	Surve	у Туре												V - Vess	el Based										
Co	nstruct	ion Activ	ity		JETT	- Jettin	ıg		Comr	nents							W	eeks .	letting						
		ide													bb										
		Location												B1	175										
Sam Loca	tion	on Opcurrent (Ambient)														I	Downcuri	rent							
Distan Sou			Approx. 500 - 1000 ft <sup>1</sup>																500 ft <sup>2</sup>	2					
Samp	le ID					0402	218-JET	W-E-U										040	)218-JET	W-E-D	1				
Sample	Time						16:02												15:39						
		þek							P	СВ		<sub>o</sub>	ne	per							PC	СВ		ø	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	iit	(ppm)			•		(	ppb)		•	•		•	(ppm)					(	ppb)					
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 G	-	*	0.0007	8.2	5.6	8.0	66	ı	1			16	0.0006	*	0.0007	8.2	5.6	8.0	66	ı	ı	ı	ı	16	0.0006
esult <sup>4</sup>	s	26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М	44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	52.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	67.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

<sup>&</sup>lt;sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

<sup>&</sup>lt;sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

<sup>&</sup>lt;sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

<sup>--</sup> No detection limit or water quality standard

<sup>\*</sup> None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												04/03	3/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	DBF	RI - Del	bris Re	moval		Comr	nents															
		ide													bb										
		Location												B'	172										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									I	Downcuri	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	le ID					040	318-DBF	RI-E-U										04	0318-DBF	RI-E-D					
Sample	Time						08:53												08:28						
		þek							P	СВ	ı	Φ	ne	þek							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	ı	0.1
Water G Stand	•	*	0.0007	8.2	5.6	8.0	66	ı	ı	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	ı	ı	ı	ı	16	0.0006
esult <sup>4</sup>	s	55.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М	76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	131	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	143	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

<sup>&</sup>lt;sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

<sup>&</sup>lt;sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

<sup>&</sup>lt;sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

<sup>--</sup> No detection limit or water quality standard

<sup>\*</sup> None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surv	ey Date												04/03	3/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	SIDI	- Silt [	Displac	ement		Comr	nents															
	Т	ide												E	bb										
		Location												В	175										
Sam Loca	-	Upcurrent (Ambient)															I	Downcur	rent						
Distan Sou		Approx. 500 - 1000 ft <sup>1</sup>																	450 ft <sup>2</sup>	2					
Samp	le ID					040	318-SID	I-E-U										04	0318-SI⊑	I-E-D					
Sample	Time						09:52												09:09						
		þek							PO	СВ		Φ	ne	þek							PC	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 Stand	-	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66			ı	1	16	0.0006
ssult <sup>4</sup>	s	41.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М	55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	92.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	60.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

<sup>&</sup>lt;sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>&</sup>lt;sup>2</sup> Samples collected within the 500 ft mixing zone

<sup>&</sup>lt;sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

<sup>&</sup>lt;sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

<sup>--</sup> No detection limit or water quality standard

<sup>\*</sup> None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												04/03	3/2018										
	Surve	у Туре												V - Vess	sel Based										
Survey Type  Construction Activity  Tide  Source Location					JETT	- Jettir	g		Com	nents			Weeks	Jetting. A					and loca				emnt.	Only or	ne
	Т	ide												E	bb										
		Location											B <sup>2</sup>	175											
Sample Location Distance to						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Sou					Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2						
Samp	le ID					040	318-SID	I-E-U										04	0318-JET	T-E-D					
Sample	Time						09:52												09:29						
		pəl							PO	СВ			ne	pəl							PO	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		-		1	16	0.0006	*	0.0007	8.2	5.6	8.0	66				1	16	0.0006
sult <sup>4</sup>	s	41.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М	55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	60.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	76.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> 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												04/04	/2018										
	Surve	у Туре												V - Vess	el Based										
Co	nstruct	ion Activ	ity		JETT	- Jettir	ıg		Comr	nents							Ва	allard .	letting						
		ide													bb										
		Location												B1	176										
Loca	Sample Location Upcurrent (Ambient																	I	Downcuri	rent					
Distan Sou			Approx. 500 - 1000 ft <sup>1</sup>																500 ft <sup>2</sup>	2					
Samp	le ID					040	418-JET	B-E-U										04	0418-JET	B-E-D					
Sample	Time						09:35												09:09						
		þek							P	СВ		6	ne	per							PC	СВ		ø	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	iit	(ppm)			•		(	ppb)		•	•	•	•	(ppm)					(	ppb)					
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	I	0.1
Water 0	-	*	0.0007	8.2	5.6	8.0	66	ı	1			16	0.0006	*	0.0007	8.2	5.6	8.0	66	ı	ı	ı	ı	16	0.0006
esult <sup>4</sup>	s	44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М	72.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	76	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

<sup>&</sup>lt;sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

<sup>&</sup>lt;sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

<sup>&</sup>lt;sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

<sup>--</sup> No detection limit or water quality standard

<sup>\*</sup> None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surv	ey Date												04/04	1/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	DBF	RI - Del	bris Re	moval		Comr	nents															
		ide													bb										
		Location											-	B'	168										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	le ID					040	418-DBI	RI-E-U										04	0418-DBF	RI-E-D					
Sample	Time						10:55												10:33						
		pek							P	СВ	1	σ	ne	hed							PC	В		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	iit	(ppm)			•		(	ppb)			•		•	(ppm)					(	ppb)					
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	I	0.1
Water G Stand	-	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66		-	-	1	16	0.0006
esult <sup>4</sup>	s	53.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	46.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М	38.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	63.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	40.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	93.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

<sup>&</sup>lt;sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

<sup>&</sup>lt;sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

<sup>&</sup>lt;sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

<sup>--</sup> No detection limit or water quality standard

<sup>\*</sup> None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												04/05	5/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activi	ity	DBF	RI - De	bris Re	moval		Com	nents															
		ide													ood										
		Location												B	169										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	le ID					040	518-DBF	RI-F-U										04	0518-DBI	RI-F-D					
Sample	e Time						16:02												15:48						
		pəl							P	СВ	•	40	ne	pel							PO	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	nit	(ppm)		•			(	ppb)					•	(ppm)						(ppb)	•				
Detectio	n Limit <sup>3</sup>	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	ı	16	0.0006
ssult <sup>4</sup>	s	54.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	56	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М		NS NS																NS						
Analy	В	62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

<sup>&</sup>lt;sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

<sup>&</sup>lt;sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

<sup>&</sup>lt;sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

<sup>--</sup> No detection limit or water quality standard

<sup>\*</sup> None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												04/06	6/2018										
	Surve	у Туре												V - Vess	sel Based										
Co		ion Activ	ity		JETT	- Jettir	ıg		Com	nents							W	eeks .	letting						
		ide													bb										
		Location												B <sup>2</sup>	175										
Sam Loca	-	Upcurrent (Ambient)															I	Downcur	rent						
Distan Sou						Appro	x. 500 -	1000 f	ft <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	le ID					0406	318-JET	W-E-U	l									040	618-JET	W-E-D	)				
Sample	Time						11:55												11:31						
		þeþ							PO	СВ	ı	ø	ne	pep							PO	СВ		o o	ıne
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				-	16	0.0006
ssult <sup>4</sup>	s	55.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М	67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	78	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	102	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

<sup>&</sup>lt;sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

<sup>&</sup>lt;sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

<sup>&</sup>lt;sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

<sup>--</sup> No detection limit or water quality standard

<sup>\*</sup> None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												04/09	9/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	DBF	RI - De	bris Re	moval		Com	nents															
		ide													bb										
		Location												B′	169										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	le ID					040	918-DBF	RI-E-U										04	0918-DBF	RI-E-D					
Sample	Time						09:38												09:22						
		led							P	СВ		<sub>O</sub>	ne	pel							PC	В		ø,	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(	ppb)						(ppm)					(	ppb)					
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	ı	0.1
Water C Stand	-	*	0.0007	8.2	5.6	8.0	66	ı	1			16	0.0006	*	0.0007	8.2	5.6	8.0	66	ı	ı	ı	ı	16	0.0006
esult <sup>4</sup>	s	16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М						NS												NS						
Analy	В	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> 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												04/09	)/2018										
	Surve	у Туре												V - Vess	el Based										
Co	nstruct	ion Activ	ity		JETT	- Jettin	ıg		Comr	nents							Ва	allard .	letting						
		ide													bb										
		Location												B1	175										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									I	Downcuri	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										1000 ft	2					
Samp	le ID					040	918-JET	B-E-U										04	0918-JET	B-E-D					
Sample	Time						10:25												09:55						
		þek							P	СВ		<sub>o</sub>	ne	per							PC	СВ		ø	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	iit	(ppm)			•		(	ppb)		•	•		•	(ppm)					(	ppb)					
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	ı	1			16	0.0006	*	0.0007	8.2	5.6	8.0	66	ı	ı	ı	ı	16	0.0006
esult <sup>4</sup>	s	13.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М	19.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	57.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

<sup>&</sup>lt;sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

 $<sup>^{2}</sup>$  Samples collected as close as practical to the edge of the 500 ft mixing zone

<sup>&</sup>lt;sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

<sup>&</sup>lt;sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

<sup>--</sup> No detection limit or water quality standard

<sup>\*</sup> None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surv	ey Date												04/10	)/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity		JETT	- Jettin	ıg		Comr	nents							Ва	allard .	letting						
		ide													bb										
		Location												B'	175										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									I	Downcuri	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	le ID					0410	018-JET	B-E-U										04	1018-JET	B-E-D					
Sample	Time						09:35												09:06						
		þek							P	СВ		ø	ne	þek							PC	СВ		ø	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	iit	(ppm)			•		(	ppb)		•	•		•	(ppm)					(	ppb)					
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	ı	0.1
Water C	-	*	0.0007	8.2	5.6	8.0	66	ı	1			16	0.0006	*	0.0007	8.2	5.6	8.0	66	ı	ı	ı	ı	16	0.0006
esult <sup>4</sup>	s	13.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М	16.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	57.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

<sup>&</sup>lt;sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

<sup>&</sup>lt;sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

<sup>&</sup>lt;sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

<sup>--</sup> No detection limit or water quality standard

<sup>\*</sup> None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												04/10	)/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	DBF	RI - De	bris Re	moval		Com	nents															
		ide													bb										
		Location												B′	169										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									I	Downcuri	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	le ID					041	018-DBF	RI-E-U										04	1018-DBF	RI-E-D					
Sample	Time						10:29												10:00						
		led							P	СВ		<sub>O</sub>	ne	pel							PC	В		a)	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 Stand	-	*	0.0007	8.2	5.6	8.0	66	ı	-			16	0.0006	*	0.0007	8.2	5.6	8.0	66	ı	ı	ı	ı	16	0.0006
esult <sup>4</sup>	s	14.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М						NS												NS						
Anal	В	14.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> 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												04/11	/2018										
	Surve	у Туре												V - Vess	el Based										
Co	nstruct	ion Activ	ity		JETT	- Jettin	ıg		Comr	nents							Ва	allard .	letting						
		ide													bb										
		Location												B1	175										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ı	Downcuri	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										1000 ft	2					
Samp	le ID					041	118-JET	B-E-U										04	1118-JET	B-E-D					
Sample	Time						10:37												10:05						
		þek							P	СВ		<sub>o</sub>	ne	per							PC	СВ		ø	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	iit	(ppm)			•		(	ppb)		•	•		•	(ppm)					(	ppb)					
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	ı	-			16	0.0006	*	0.0007	8.2	5.6	8.0	66	ı	ı	ı	ı	16	0.0006
esult <sup>4</sup>	s	12.4	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 Result <sup>4</sup>	М	27.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	31.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	65.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

<sup>&</sup>lt;sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>&</sup>lt;sup>2</sup> Samples collected as close to the edge of the 500 ft mixing zone as practical

<sup>&</sup>lt;sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

<sup>&</sup>lt;sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

<sup>--</sup> No detection limit or water quality standard

<sup>\*</sup> None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												04/11	/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	DBF	RI - De	bris Re	moval		Com	nents															
		ide													bb										
		Location												B	169										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									l	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	le ID					041	118-DBF	RI-E-U										04	1118-DBF	RI-E-D					
Sample	Time						11:35								_				11:18						
		per							P	СВ		ø	ne	þəp							PC	СВ		ø	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)		•	•		(	ppb)		•	•		•	(ppm)		•			(	ppb)					
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	ı	-			16	0.0006	*	0.0007	8.2	5.6	8.0	66	ı	ı	ı	ı	16	0.0006
esult <sup>4</sup>	s	12.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analy	В	17.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected

<sup>&</sup>lt;sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

<sup>&</sup>lt;sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

<sup>&</sup>lt;sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

<sup>--</sup> No detection limit or water quality standard

<sup>\*</sup> None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												04/11	1/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	DBF	RI - Del	bris Re	moval		Comr	nents						Rer	noval	at Circ	ular Caiss	sons					
		ide													bb										
		Location												B′	189										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ı	Downcuri	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										120 ft <sup>2</sup>	2					
Samp	le ID					0411	18-DBR	C-E-U										041	118-DBR	C-E-D					
Sample	Time						12:13												12:00						
		ped							P	СВ			ne	per							PC	СВ		ø.	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(	ppb)						(ppm)					(	ppb)					
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	0.1
Water G Stand	•	*	0.0007	8.2	5.6	8.0	66	ı	1			16	0.0006	*	0.0007	8.2	5.6	8.0	66	ı	ı	ı	ı	16	0.0006
esult <sup>4</sup>	s	18.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	64.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	18.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	46.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected as close to the turbidity curtain as practicable
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> 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												04/11	/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	SIDI	- Silt [	Displac	ement		Comr	nents															
	Т	ide													bb										
		Location												B	188										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	le ID					041	118-SIE	I-E-U										04	1118-SIC	I-E-D					
Sample	Time						15:19												15:12						
		per							PC	СВ		ø	ne	per							PC	В		Ф	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(	ppb)						(ppm)					(	ppb)					
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	0.1
Water G Stand	-	*	0.0007	8.2	5.6	8.0	66	1	ı	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66		ı	ı	1	16	0.0006
esult <sup>4</sup>	s						NS												NS						
Analytical Result <sup>4</sup>	М	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS						

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> 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												04/12	2/2018										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activ	ity	DBF	RI - De	bris Re	moval		Com	ments								Ice Bre	eaker						
		ide													ood										
		Location												B <sup>-</sup>	169										
San Loca	tion	Upcurrent (Ambient)  Approx. 500 - 1000 ft <sup>1</sup>																l	Downcur	rent					
Distar Sou		Approx. 500 - 1000 ft <sup>1</sup>																	500 ft <sup>2</sup>	2					
Samp	ole ID	Approx. 500 - 1000 π 041218-DBRI-F-U																04	1218-DBI	RI-F-D					
Sample	e Time						09:27												09:07	•					
									P	СВ	1	Ф	ne								P	СВ		Φ	ne
Darameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(	ppb)						(ppm)						(ppb)					
Detectio	n Limit <sup>3</sup>	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	10.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	50.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	59.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

<sup>&</sup>lt;sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

<sup>&</sup>lt;sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

<sup>&</sup>lt;sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

<sup>--</sup> No detection limit or water quality standard

<sup>\*</sup> None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surv	ey Date												04/12	2/2018										
	Surve	у Туре												V - Vess	sel Based										
Co		ion Activ	ity		JETT	- Jettir	ng		Com	nents															
		ide													bb										
		Location												B <sup>-</sup>	175										
Sam Loca	tion		rrent (A	mbien	t)										Downcuri	rent									
Distan Sou		Approx. 500 - 1000 ft <sup>1</sup>																500 ft <sup>2</sup>	2						
Samp	le ID				041	218-JET	B-E-U										04	1218-JET	B-E-D						
Sample	Time						11:18												10:53						
		75								СВ	ı	9	ane	-							r	СВ		Ð	ene
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(	ppb)					•	(ppm)					(	ppb)				<u> </u>	
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1
Water C 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	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	13.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М	18.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	33.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	57.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

<sup>&</sup>lt;sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

<sup>&</sup>lt;sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

<sup>&</sup>lt;sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

<sup>--</sup> No detection limit or water quality standard

<sup>\*</sup> None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surv	ey Date												04/12	2/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	SIDI	- Silt [	Displac	ement		Comr	nents															
		ide												Е	bb										
		Location												B	188										
Sam Loca						Upcu	rrent (A	mbien	t)									[	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	le ID					041	218-SID	I-E-U										04	1218-SID	I-E-D					
Sample	Time						11:45												11:37						
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 (		*	0.0007	8.2	5.6	8.0	66	ı		-	1	16	0.0006	*	0.0007	8.2	5.6	8.0	66		-	-	1	16	0.0006
esult <sup>4</sup>	s	_	NS NS																NS						
Analytical Result <sup>4</sup>	М	52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS						

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> 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												04/13	3/2018										
	Surve	у Туре												V - Vess	sel Based										
С	onstructi	ion Activ	ity		JETT	- Jettir	ıg		Com	ments															
		ide													ood										
		Location												B <sup>.</sup>	175										
San Loca	tion	Upcurrent (Ambient) Approx. 500 - 1000 ft <sup>1</sup>																	Downcur	rent					
Distar Sou		Approx. 500 - 1000 ft <sup>1</sup>																	500 ft <sup>2</sup>	2					
Samp	ole ID	Арргох: 500 - 1000 it																04	1318-JET	B-F-D					
Sample	e Time						10:42												10:05						
									P	СВ	1	Ф	ne								P	СВ		Φ	ne
Darameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(	ppb)						(ppm)						(ppb)					
Detectio	n Limit <sup>3</sup>	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	10	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 <sup>4</sup>	М	28.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	52	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	77	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

<sup>&</sup>lt;sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

<sup>&</sup>lt;sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

<sup>&</sup>lt;sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

<sup>--</sup> No detection limit or water quality standard

<sup>\*</sup> None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surv	ey Date												04/18	3/2018										<del></del>
		y Type													sel Based										
C		ion Activ	itv	DBF	RI - De	bris Re	moval		Comi	ments					JO. 20000										
		ide										l		FI	ood										
	Source	Location												В	170										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distar Sou			Approx. 500 - 1000 ft <sup>1</sup>																500 ft <sup>2</sup>	2					
Samp	ole ID		041818-DBRI-F-U															04	1818-DBF	RI-F-D					
Sample	e Time						10:17												09:58						
		_							P	СВ	ı	o o	ne	_							P	СВ		o)	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(	ppb)						(ppm)			U		(	(ppb)				J.	
Detectio	n Limit <sup>3</sup>	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	35.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	52.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analy	В	52.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	55.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> 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												04/18	3/2018										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activ	ity	SID	l - Silt l	Displac	ement		Com	nents															
	Т	ide												FI	ood										
		Location												В	172										
Sam Loca	ition	Upcurrent (Ambient)																l	Downcur	rent					
Distar Sou		Approx. 500 - 1000 ft <sup>1</sup>																	500 ft <sup>2</sup>	2					
Samp	ole ID		041818-SIDI-F-U															04	1818-SIE	I-F-D					
Sample	e Time						10:55												10:28						
									P	СВ	1	ø	ne	_							P	СВ	1	Ф	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(	(ppb)						(ppm)					(	(ppb)					
Detectio	n Limit <sup>3</sup>	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	37	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	43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	49.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	51.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

<sup>&</sup>lt;sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

<sup>&</sup>lt;sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

<sup>&</sup>lt;sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

<sup>--</sup> No detection limit or water quality standard

<sup>\*</sup> None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surv	ey Date												04/18	3/2018										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activ	ity	SID	l - Silt l	Displac	ement		Com	nents						S	ilt Disp	lacem	ent (Weel	ks)					
		ide													ood										
		Location												В	175										
Sam Loca	ition	Upcurrent (Ambient)																ı	Downcur	rent					
Distar Sou		Approx. 500 - 1000 ft <sup>1</sup>																	675 ft <sup>2</sup>	2					
Samp	ole ID							04	1818-SID	W-F-D															
Sample	e Time						12:20												11:55						
		_							P	СВ	1	0	ne	_							P	СВ		o)	ne
Darameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(	ppb)						(ppm)					(	(ppb)				J.	<u> </u>
Detectio	n Limit <sup>3</sup>	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
esult <sup>4</sup>	s	33.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	48.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	99	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	121	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	156	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	85.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

<sup>&</sup>lt;sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>&</sup>lt;sup>2</sup> Samples collected as close as practicable to the edge of the 500 ft mixing zone

<sup>&</sup>lt;sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

<sup>&</sup>lt;sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

<sup>--</sup> No detection limit or water quality standard

<sup>\*</sup> None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surv	ey Date												04/19	9/2018										
	Surve	еу Туре												V - Vess	sel Based										
Co	onstruct	ion Activ	ity	DBF	RI - De	bris Re	moval		Com	nents															
	T	ide												Е	bb										
		Location												B <sup>.</sup>	170										
Sam Loca						Upcu	rrent (A	mbien	t)									[	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	!					
Samp	le ID			041918-DBRI-E-U														04	1918-DBF	RI-E-D					
Sample	Time						09:01												08:42						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(	ppb)						(ppm)					(	ppb)					
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1
Water 0		*	0.0007	8.2	5.6	8.0	66		-			16	0.0006	*	0.0007	8.2	5.6	8.0	66	-				16	0.0006
esult4	s	51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS NS																NS						
Analy	В	79.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> 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												04/19	9/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activ	ity		JETT	- Jettin	ıg		Com	ments															
	Т	ide												E	bb										
		Location												B	188										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t¹										500 ft <sup>2</sup>	2					
Samp	le ID		041918-JETB-E-U															04	1918-JET	B-E-D					
Sample	Time						09:27												09:18						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(	ppb)						(ppm)					(	ppb)					
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1
Water (		*	0.0007	8.2	5.6	8.0	66	ı	-			16	0.0006	*	0.0007	8.2	5.6	8.0	66			1	1	16	0.0006
esult <sup>4</sup>	s	_					NS												NS						
Analytical Result⁴	М	112	112 ND												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
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> 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												04/19	9/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	SIDI	- Silt I	Displac	ement		Com	nents						Si	lt Disp	laceme	ent (Week	(s)					
	Т	ide												E	bb										
		Location												B <sup>.</sup>	175										
Sam Loca			Upcurrent (Ambient)																Downcuri	rent					
Distan Sou			Approx. 500 - 1000 ft <sup>1</sup>																500 ft <sup>2</sup>	!					
Samp	le ID					0419	18-SID\	N-E-U										041	1918-SID\	N-E-D					
Sample	Time						10:13												09:45						
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					16	0.0006
esult <sup>4</sup>	s	39.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	49.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	46.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

<sup>&</sup>lt;sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

<sup>&</sup>lt;sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

<sup>&</sup>lt;sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

<sup>--</sup> No detection limit or water quality standard

<sup>\*</sup> None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surv	ey Date												04/20	)/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity		JETT	- Jettin	ıg		Comr	nents															
	Т	ide												E	bb										
	Source	Location												B <sup>-</sup>	188										
Sam Loca						Upcu	rrent (A	mbien	t)									[	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	le ID					0420	018-JET	B-E-U										042	2018-JET	B-E-D					
Sample	Time						10:10												10:01						
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	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(	ppb)						(ppm)					(	ppb)					
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	0.1
Water 0		*	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	-	16	0.0006
esult4	s						NS												NS						
Analytical Result⁴	М	84	ND												ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS						

- <sup>1</sup> 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
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> 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												04/20	)/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activ	ity	SIDI	- Silt I	Displac	ement		Com	nents						Si	It Disp	laceme	ent (Week	(s)					
		ide													bb										
		Location												B	175										
Sam Loca						Upcu	rrent (A	mbien	t)									[	Downcuri	rent					
Distar Sou			Approx. 500 - 1000 ft <sup>1</sup>																500 ft <sup>2</sup>	!					
Samp	le ID					042	018-SID	I-E-U										04	2018-SID	I-E-D					
Sample	Time						10:56												10:31						
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)	•	•	•		
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1
Water (		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult <sup>4</sup>	s	29 ND ND ND ND ND ND ND									ND	ND	ND	79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	89	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	96.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	104	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> 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												04/23	3/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activ	ity	DBF	RI - De	bris Re	emoval		Com	ments															
	Т	ide												E	bb										
		Location												B <sup>.</sup>	170										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									[	Downcuri	ent					
Distan Sou						Appro	x. 500 -	1000 f	t¹										500 ft <sup>2</sup>						
Samp	le ID					042	318-DBF	RI-E-U										042	2318-DBF	RI-E-D					
Sample	Time						09:58												09:36						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	iit	(ppm)					(	ppb)						(ppm)					(	ppb)					
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1
Water (		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66	-				16	0.0006
esult <sup>4</sup>	s	129	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analy	В	145	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- <sup>1</sup> 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
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> 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												04/23	3/2018										
	Surve	еу Туре												V - Vess	sel Based										
Co	onstruct	ion Activ	ity	SIDI	- Silt I	Displac	ement		Com	ments															
	T	ide												E	bb										
	Source	Location												B	185										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t¹										500 ft <sup>2</sup>	2					
Samp	le ID					042	318-SID	I-E-U										04	2318-SIC	I-E-D					
Sample	Time						10:29												10:18						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(	ppb)						(ppm)					(	ppb)					
Detec Lim		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2		0.1
Water (		*	0.0007	8.2	5.6	8.0	66	1	-			16	0.0006	*	0.0007	8.2	5.6	8.0	66			-	-	16	0.0006
esult⁴	s		NS																NS						
Analytical Result⁴	М	71.5	5 ND N											103	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
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> 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												04/24	1/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	DBF	RI - Del	bris Re	moval		Comr	nents															
		ide													bb										
		Location												B <sup>-</sup>	170										
Sam Loca	tion	Upcurrent (Ambient)																I	Downcur	rent					
Distan Sou			Approx. 500 - 1000 ft <sup>1</sup>																500 ft <sup>2</sup>	!					
Samp	le ID					042	418-DBF	RI-E-U										04	2418-DBF	RI-E-D					
Sample	Time						08:40												08:19						
		per							PC	СВ			ne	per							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 0 Stand		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66	-				16	0.0006
es ult <sup>4</sup>	s	27	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	27.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	60.5	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
- <sup>2</sup> 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
- <sup>4</sup> 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												04/24	1/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity		JETT	- Jettir	ıg		Comr	nents															
	Т	ide													bb										
		Location												B <sup>-</sup>	186										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Soui				Approx. 500 - 1000 ft <sup>1</sup>															500 ft <sup>2</sup>	2					
Samp	le ID					042	418-JET	B-E-U										04:	2418-JET	B-E-D					
Sample	Time						14:04												13:54						
		pər							PC	В			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	-	ı	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66		-	-	-	16	0.0006
ssult⁴	s						NS												NS						
Analytical Result <sup>4</sup>	М	51.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	68	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
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> 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												04/24	1/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity	SIDI	- Silt I	Displac	ement		Com	ments															
	Т	ide													bb										
		Location												B <sup>-</sup>	175										
Sam Loca	tion		Upcurrent (Ambient)															ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t¹										500 ft <sup>2</sup>	!					
Samp	le ID					042	418-SIE	I-E-U										04	2418-SID	I-E-D					
Sample	Time						12:37												12:11						
		per							P	СВ			ne	pər							PC	В		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 0		*	0.0007	8.2	5.6	8.0	66			-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	1	1	1	16	0.0006
es ult <sup>4</sup>	s	28.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М	89.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	51.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	86	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
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> 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												04/25	5/2018										
	Surve	у Туре												V - Vess	sel Based										
Co		ion Activ	ity	SIDI	- Silt [	Displac	ement		Comr	nents															
		ide													bb										
		Location												B <sup>-</sup>	175										
Sam Loca						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	le ID					042	518-SID	I-E-U										04	2518-SIE	I-E-D					
Sample	Time			10:19 PCB															09:54						
		pep								СВ			ne	pep							PO	СВ		e	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	22.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
rtical Re	S   21   ND   N					ND	ND	ND	ND	ND	ND	ND	ND	32.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	51.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	71.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> 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
- <sup>4</sup> 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	y Date												04/26	5/2018										
	Surve	у Туре												V - Vess	sel Based										
C		on Activi	ity	DBF	RI - Del	oris Re	moval		Com	nents															
		de													ood										
		Location												B	170										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									-	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	le ID					042	618-DBF	RI-F-U										04	2618-DBI	RI-F-D	ı				
Sample	Time						08:52												08:30	1					
		peg							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
Un	it	(ppm)			•		(	ppb)		•		•		(ppm)				•		(ppb)	•				
Detectio	n Limit <sup>3</sup>	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	-				16	0.0006
sult4	s	23.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	25.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	53.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anal	В	108	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	81.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

<sup>&</sup>lt;sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

<sup>&</sup>lt;sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

<sup>&</sup>lt;sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

<sup>--</sup> No detection limit or water quality standard

<sup>\*</sup> None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

	Surve	ey Date												04/26	5/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity		JETT	- Jettir	g		Comr	nents															
	Т	ide													bb										
		Location												B <sup>-</sup>	186										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Soui						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	le ID					042	618-JET	B-E-U										04:	2618-JET	B-E-D					
Sample	Time			14:08															14:00						
		pər							PC	В			ne	per							PC	В		Ф	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
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
II .	Water Quality * 0.00				5.6	8.0	66	-	ı		-	16	0.0006	*	0.0007	8.2	5.6	8.0	66			ı		16	0.0006
ssult⁴	s	ns																NS							
Analytical Result <sup>4</sup>	М	51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70	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
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> 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												04/26	6/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activ	ity	SIDI	- Silt I	Displac	ement		Com	nents															
		ide													bb										
		Location												B <sup>-</sup>	176										
Sam Loca	tion					Upcu	rrent (A	mbien	t)									l	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t¹										500 ft <sup>2</sup>	!					
Samp	le ID					042	:618-SID	I-E-U										04	2618-SID	I-E-D					
Sample	Time						13:36						_						13:02						
		pep							P	СВ			ne	þəp							PC	СВ		9	au 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)	•				
				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
es ult4	s	23.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result		44.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	51	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	96.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> 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												04/27	7/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activ	ity		JETT	- Jettir	g		Comr	nents															
	Т	ide													bb										
		Location												B <sup>-</sup>	186										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Soui						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	le ID					042	718-JET	B-E-U										04:	2718-JET	B-E-D					
Sample	Time						13:43												13:35						
		pər							PC	В		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
II .	Water Quality * 0.00				5.6	8.0	66	ı	ı	-	1	16	0.0006	*	0.0007	8.2	5.6	8.0	66		-	-	-	16	0.0006
ssult⁴	s	NS																	NS						
Analytical Result <sup>4</sup>	М	51.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	46.3	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
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <sup>4</sup> 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												04/27	7/2018										
	Surve	у Туре												V - Vess	sel Based										
Co		ion Activ	ity	SIDI	- Silt [	Displac	ement		Comr	nents															
		ide													bb										
		Location												B <sup>-</sup>	175										
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	le ID					042	718-SID	I-E-U										04	2718-SIE	I-E-D					
Sample	Time						13:11												12:49						
		pep								В			ene	pep								СВ		ø	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(	ppb)						(ppm)					(	ppb)	•	•			
	Unit (ppm) etection Limit <sup>3</sup> Unit (ppm)				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	32.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	27.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	54.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	38.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	76.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> 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
- <sup>4</sup> 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												04/30	)/2018										
	Surve	у Туре												V - Vess	el Based										
Co	nstructi	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 <sup>2</sup>	2					
Samp	le ID					043	018-DBF	RI-E-U										04	3018-DBI	RI-E-D					
Sample	Time						15:13												14:50						
		PCB											ne	pər							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 Quality Standard <sup>3</sup>		*	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	49.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	49.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	65	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	57	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	51.3	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
- <sup>2</sup> 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
- <sup>4</sup> 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												04/30	)/2018										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activi	ity	SID	I - Silt I	Displac	ement		Com	ments															
	Т	ide													ood										
		Location												B	180										
Sam Locat	tion					Upcu	rrent (A	mbien	t)										Downcur	rent					
Distan Sour						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Sampl	le ID					043	8018-SIE	I-F-U										04	43018-SIE	DI-F-D					
Sample	Time						10:19												10:02						
		b											ne	per							PC	В		ø	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)						ppb)	•	•				(ppm)				•	. (	(ppb)					
Detection	n 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 Q 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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Analytical Result⁴	М						NS												NS						
Analy	Analytic				ND	ND	ND	ND	ND	ND	ND	ND	ND	67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

<sup>&</sup>lt;sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

<sup>&</sup>lt;sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

<sup>--</sup> No detection limit or water quality standard

<sup>\*</sup> None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected