	Surve	ey Date												07/01	/2014										
	Surve	у Туре												V - Vess	sel Based										
Co		ion Activ	ity		ARM -	Armori	ng		Com	nents															
		ide												E	bb										
		Location												Armoring	Operation	ns									
Sam Loca						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Sou		Approx. 500 - 1000 ft ¹																	500 ft ²	2					
Samp	le ID		070114-A263-E-U															07	0114-A26	3-E-D					
Sample	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	it	(ppm)					(ppb)						(ppm)					(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05				-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1
Water 0	- 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		NS																NS						
Analytical Result ⁴	М	20.4	ND ND ND ND 11 ND ND ND ND ND ND ND												ND	ND	ND	ND	11	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

⁻⁻ 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.

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

	Surve	ey Date												07/01	1/2014										
	Surve	у Туре												V - Vess	sel Based										
Co		ion Activ	ity		ARM -	Armori	ng		Com	ments															
		ide												Fl	ood										
		Location												Armoring	Operation	าร									
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					070	114-A26	3-F-U										07	0114-A26	3-F-D					
Sample	Time						11:27												11:08						
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	iit	(ppm)					(ppb)						(ppm)					(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05				-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		-			0.2	0.2	0.2	0.2	1	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		ı	ı	ı	16	0.0006
esult4	s	35.2	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	27.2	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М		-	-	-	-	NS	-		-	-				-				NS	-					
Anal	В	40.8	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	32.0	ND	ND	ND	ND	11	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

⁻⁻ No detection limit or water quality standard

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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.

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

	Surve	ey Date												07/02	2/2014										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activi	ty		ARM -	Armori	ng		Comr	nents															
	Т	ide												E	bb										
		Location												Armoring	Operation	s									
Sam Loca						Upcu	rrent (A	mbien	t)									i	Downcur	rent					
Distan Sou			Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samp	le ID		070214-A263-E-U															07	0214-A26	3-E-D					
Sample	Time						09:19												09:02						
		pəp						-		В		ē	ene	pəp							I	В		ē	ane
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	it	(ppm)					((ppb)						(ppm)					((ppb)					
Detectio	n Limit ³	Ambient + 100	0.05	-		ı	-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	-	-	-		0.2	0.2	0.2	0.2	-	0.1
Water 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
ssult⁴	s		NS NS																NS						
Analytical Resulf ⁴	М	46.0	ND	ND	ND	ND	ND	ND ⁵	ND ⁵	40.4	ND	ND	3.0	ND	ND	ND	ND	ND	ND	ND ⁵	ND ⁵				
Anal	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
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- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
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 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
 - ⁵ Indicates that parameter was initially analyzed within the recommended hold time and that a re-run was performed outside of the hold time.

	Surv	ey Date												07/02	2/2014										
	Surve	у Туре												V - Ves	sel Based										
Co	nstruct	ion Activi	ty		ARM -	Armori	ng		Comr	nents															
		ide												FI	ood										
		Location												Armoring	Operation	ıs									
Sam Loca						Upcu	rrent (A	mbient	:)										Downcuri	rent					
Distan Sou		Approx. 500 - 1000 ft ¹																	500 ft ²	2					
Samp	le ID	070214-A263-F-U																07	'0214-A26	3-F-D					
Sample	Time						10:54												11:10						
		pə							PC	СВ	ı	•	ne	pə							P	СВ		0	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)						(ppb)						(ppm)						(ppb)				·	
Detection	n Limit ³	Ambient + 100	0.05				I	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	1	-	-	-	0.2	0.2	0.2	0.2	1	0.1
Water C	-	*	0.0007	8.2	5.6	8.0	66	ı	1	ı		16	0.0006	*	0.0007	8.2	5.6	8.0	66			ı	ı	16	0.0006
esult⁴	s	NS																	NS						
Analytical Result⁴	М	91.2	ND	ND	3.3	ND	10	ND	ND	ND	ND	ND ⁵	ND ⁵	57.2	ND	ND	3.6	ND	11	ND	ND	ND	ND	ND ⁵	ND ⁵
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
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 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
 - ⁵ Indicates that parameter was initially analyzed within the recommended hold time and that a re-run was performed outside of the hold time.

	Surv	ey Date												07/03	3/2014										
	Surve	у Туре												V - Vess	sel Based										
Co		ion Activ	ity	,	ARM -	Armori	ng		Comr	nents															
		ide													bb										
		Location												Armoring	Operation	าร									
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					070	314-A26	3-E-U										07	0314-A26	3-E-D					
Sample	Time						09:08												08:53						
		ded							P	Ī		Θ	ne	pep								СВ		е	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	0.05				-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05					0.2	0.2	0.2	0.2	ı	0.1
Water 0		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	ı	-	-	16	0.0006
esult ⁴	s						NS												NS						
Analytical Result⁴	М	28.8	3.8 ND ND 3.3 ND 11 ND ND ND ND ND ND N												ND	ND	3.3	ND	12	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
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 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												07/03	3/2014										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activi	ity	-	ARM -	Armori	ng		Com	nents															
		ide												Flo	ood										
		Location												Armoring	Operation	ns									
Sam Loca						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Sou			Approx. 500 - 1000 ft ¹																500 ft	2					
Samp	le ID					070	314-A26	3-F-U										07	0314-A26	63-F-D					
Sample	Time						11:02												11:18	}					
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)					
Detection	n Limit ³	Ambient + 100	0.05		-	-	-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	-	1	-		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		-	-	-	16	0.0006
esult ⁴	s		NS																NS						
Analytical Result⁴	М	31.2	ND	ND	3.4	ND	15	ND	ND	ND	ND	ND	ND	38.0	ND	ND	3.2	ND	14	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

⁻⁻ No detection limit or water quality standard

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	Surv	ey Date												07/07	7/2014										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activ	ity	,	ARM -	Armori	ng		Comr	nents															
		ide													bb										
		Location												Armoring	Operation	าร									
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ı	Downcuri	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	!					
Samp	le ID					070	714-A26	3-E-U										07	0714-A26	3-E-D					
Sample	e Time						09:01												08:43						
		þeþ							P	СВ		ø	ne	pep							PC	СВ		ө	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	0.05	-			ı	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	ı	ı	ı	0.2	0.2	0.2	0.2	ı	0.1
Water 0		*	0.0007	8.2	5.6	8.0	66	ı	-	ı	ı	16	0.0006	*	0.0007	8.2	5.6	8.0	66	1	ı	1	ı	16	0.0006
esult ⁴	s	18.8	ND	ND	3.5	ND	ND	ND	ND	ND	ND	ND	ND	29.6	ND	ND	3.5	ND	10	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М		NS																NS						
Analy	В	23.2	ND	ND	3.4	ND	ND	ND	ND	ND	ND	ND	ND	42.4	ND	ND	3.5	ND	11	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
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- 3 Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
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 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												07/07	7/2014										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activi	ity		ARM -	Armori	ng		Com	ments															
	T	ide													ood										
		Location												Armoring	Operation	าร									
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					070	714-A26	3-F-U										07	0714-A26	3-F-D					
Sample	Time						14:19												14:04						
Parameter		Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	r 1242		r 1254	r 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	r 1242	r 1248		r 1260	Naphthalene	Benzo(a)pyrene
Para		Total Su Sc	Me	Ż	ပိ	'n	z	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naph	Benzo(Total Su Sc	Me	ΪN	၀၁	7	Z	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naph	Benzo(
Un	it	(ppm)					(ppb)						(ppm)					((ppb)					
Detection	n Limit³	Ambient + 100	0.05	ı			I	0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.05	ı	I	I	I	0.2	0.2	0.2	0.2	ı	0.1
Water 0	-	*	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
sult ⁴	s		NS																NS						
Analytical Result⁴	М	26.8	ND	ND	3.8	ND	ND	ND	ND	ND	ND	ND	ND	40.8	ND	ND	3.5	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
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	Surv	ey Date												07/08	3/2014										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activi	ity	,	ARM -	Armori	ng		Comr	nents															
		ide													bb										
		Location												Armoring	Operation	าร									
Sam Loca	tion					Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Sou		Approx. 500 - 1000 ft ¹																	500 ft	2					
Samp	le ID					070	814-A26	3-E-U										07	0814-A26	3-E-D					
Sample	Time						10:41												10:29						
		pek							P	СВ		ø	ne	pek							P	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	0.05			1	1	0.2	0.2	0.2	0.2	ŀ	0.1	Ambient + 100	0.05	ı	ı	ı	1	0.2	0.2	0.2	0.2	ı	0.1
Water 0	•	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
esult ⁴	s		NS																NS						
Analytical Result⁴	М	19.6	ND	ND	3.9	ND	11	ND	ND	ND	ND	ND	ND	30.0	ND	ND	4.1	ND	12	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
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 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												07/08	3/2014										
	Surve	у Туре												V - Vess	sel Based										
Co	nstruct	ion Activi	ity	,	ARM -	Armori	ng		Com	nents															
		ide												Flo	ood										
		Location												Armoring	Operation	ns									
Sam Loca						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Sou			Approx. 500 - 1000 ft ¹																500 ft	2					
Samp	le ID		070814-A263-F-U															07	0814-A26	3-F-D					
Sample	Time						15:17												15:08						
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)					
Detection	n Limit ³	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	-	-	-		0.2	0.2	0.2	0.2	-	0.1
Water C	-	*	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
ssult ⁴	s		NS																NS						
Analytical Result⁴	М	19.2	ND	ND	3.8	ND	11	ND	ND	ND	ND	ND	ND	27.2	ND	ND	3.9	ND	10	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

⁻⁻ 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.

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

	Surve	ey Date												07/08	/2014										
	Surve	у Туре												V - Vess	el Based										
C	onstructi	ion Activi	ty	PDC	- Pile [Driving	- Zone C		Com	nents															
		ide												Flo	od										
		Location												Pier	r 33										
Sample Location						Upcı	ırrent (Am	nbient)									I	Downcur	rent					
Distar Sou						Appr	ox. 500 - 1	000 ft	1										500 ft ²	2					
Samp	le ID					070)814-P033	3-F-U										07	0814-P03	3-F-D					
Sample	Time						16:52												16:36						
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
Ur	it	(ppm)					(p	ppb)						(ppm)						(ppb)		•			
Detectio	n Limit ³	Ambient + 100	0.05			1		0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05		-	-	-	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		-		-	16	0.0006
sult4	s	11.2	ND	ND	3.9	ND	12	ND	ND	ND	ND	ND	ND	12.8	ND	ND	3.9	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	22.8	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	15.2	ND	ND	3.8	ND	12	ND	ND	ND	ND	ND	ND
Analy	В	11.2	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	66.8	ND	ND	ND	ND	12	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

⁻⁻ No detection limit or water quality standard

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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.

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

	Surv	ey Date												07/09	9/2014										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activi	ity	,	ARM -	Armori	ng		Comr	nents															
		ide													bb										
		Location												Armoring	Operation	าร									
Sam Loca	tion					Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Sou		Approx. 500 - 1000 ft ¹																	500 ft	2					
Samp	le ID					070	914-A26	3-E-U										07	0914-A26	3-E-D					
Sample	Time						11:28												11:12						
		pek							PC	СВ		ø	ne	pek							P	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	0.05		ı	1	1	0.2	0.2	0.2	0.2	ŀ	0.1	Ambient + 100	0.05	ı	ı	ı	1	0.2	0.2	0.2	0.2	ı	0.1
Water 0	•	*	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
esult ⁴	s		NS																NS						
Analytical Result⁴	М	31.2	ND	ND	4.3	ND	11	ND	ND	ND	ND	ND	ND	34.0	ND	ND	4.3	ND	11	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
- -- 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.
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												07/09	9/2014										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activi	ity		ARM -	Armori	ng		Com	nents															
	T	ide												FI	ood										
		Location												Armorimg	Operation	ns									
Sam Loca	tion		Upcurrent (Ambient)															ı	Downcur	rent					
Distan Sou		Approx. 500 - 1000 ft ¹																	500 ft ²	2					
Samp	le ID					070	914-A26	3-F-U										07	0914-A26	3-F-D					
Sample	Time						08:58												08:39						
		pa							P	СВ			ne ne	pe							P	СВ			e
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(ppb)						(ppm)						(ppb)					,
Detection	n Limit ³	Ambient + 100	0.05	-		1	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-		-		0.2	0.2	0.2	0.2		0.1
Water G		*	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	24.8	ND	ND	4.4	ND	12	ND	ND	ND	ND	ND	ND	56.8	ND	ND	4.0	ND	12	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS NS																NS						
Analy	В	24.0	ND	ND	4.2	ND	ND	ND	ND	ND	ND	ND	ND	60.0	ND	ND	4.1	ND	12	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

⁻⁻ No detection limit or water quality standard

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

	Surve	ey Date												07/09	/2014										
	Surve	у Туре												V - Vess	el Based										
С	onstruct	ion Activi	ty	PDC	- Pile [Driving	- Zone C		Com	nents															
Tide Source Location														Flo	od										
		Location											Pier	r 33											
Sample Location						Upcı	ırrent (Am	nbient)									I	Downcur	rent					
Distar Sou					Appr	ox. 500 - 1	000 ft	1										500 ft ²	2						
Samp	ole ID	070914-P033-F-U															07	0914-P03	3-F-D						
Sample	e Time						08:12												07:50						
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)					(p	ppb)						(ppm)						(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05		ı			0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.05		1	1	-	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	12.4 ND ND 4.2 ND 11 ND								ND	ND	ND	ND	41.5	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND
rtical Re	M 23.6 ND B 98.0 ND					ND	14	ND	ND	ND	ND	ND	ND	92.8	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND
Analy	В	98.0	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	14.0	ND	ND	4.0	ND	14	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

⁻⁻ No detection limit or water quality standard

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

	Surv	ey Date												07/10)/2014										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activ	ity	,	ARM -	Armori	ng		Comr	nents															
		ide													bb										
		Location												Armoring	Operation	าร									
Sam Loca	tion					Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	!					
Samp	le ID	071014-A263-E-U																07	1014-A26	3-E-D					
Sample	e Time	_	_				10:52							_	_				10:35						_
		þeþ							P	СВ		e	ne	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)				·	
Detec Lim		Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	1	ı	1	1	0.2	0.2	0.2	0.2	1	0.1
Water 0		*	0.0007	8.2	5.6	8.0	66	-		-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	ı	16	0.0006
esult ⁴	s	30.4	ND	ND	3.9	ND	14	ND	ND	ND	ND	ND	ND	32.0	ND	ND	3.7	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М		NS																NS						
Anal	В	23.2	ND	ND	3.8	ND	11	ND	ND	ND	ND	ND	ND	27.2	ND	ND	3.6	ND	17	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
- -- 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
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 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												07/10)/2014										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activi	ity	-	ARM -	Armori	ng		Com	nents															
	T	ide												FI	ood										
		Location												Armoring	Operation	าร									
Sam Loca	tion	Upcurrent (Ambient)															ı	Downcur	rent						
Distan Sou		Approx. 500 - 1000 ft ¹																	500 ft ²	2					
Samp	le ID					071	014-A26	3-F-U										07	1014-A26	3-F-D					
Sample	Time						08:54												08:36						
		pa							PO	СВ		4	ne ne	pe							P	СВ			e
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)			•		(ppb)					•	(ppm)				•		(ppb)		•			
Detection	n Limit ³	Ambient + 100	0.05	-		1	ı	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05			-		0.2	0.2	0.2	0.2		0.1
Water G		*	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	24.4	ND	ND	4.1	ND	ND	ND	ND	ND	ND	ND	ND	28.8	ND	ND	4.0	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Analy	В	29.6	ND	ND	4.1	ND	11	ND	ND	ND	ND	ND	ND	29.6	ND	ND	4.2	ND	10	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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^{*} None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

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

	Surv	ey Date												07/11	1/2014										
	Surve	у Туре												V - Vess	sel Based										
Co		ion Activ	ity	,	ARM -	Armori	ng		Comr	nents															
		ide													bb										
		Location												Armoring	Operation	าร									
Sam Loca						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					071	114-A26	3-E-U										07	1114-A26	3-E-D					
Sample	Time						11:56												11:39						
		þek							P	СВ		ø	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	0.05				-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		-	-	1	0.2	0.2	0.2	0.2	ı	0.1
Water 0		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	ı	-	-	16	0.0006
esult ⁴	s						NS												NS						
Analytical Result⁴	М	26.8	ND	ND	3.7	ND	11	ND	ND	ND	ND	ND	ND	29.6	ND	ND	3.5	ND	10	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
- -- 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.
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	y Date												07/11	1/2014										
	Surve	у Туре												V - Vess	sel Based										
Co	nstructi	on Activi	ity	-	ARM -	Armori	ng		Com	nents															
		de												Fle	ood										
		Location												Armoring	Operation	าร									
Sam Loca	tion					Upcu	rrent (Aı	mbien	t)									ı	Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t ¹										500 ft ²	2					
Samp	le ID					071	114-A26	3-F-U										07	1114-A26	63-F-D					
Sample	Time	09:17													_				09:00)					_
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
Un	it	(ppm) (ppb)																		(ppb)					
Detection	n Limit ³	Ambient + 100	0.05	-		-	-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		-			0.2	0.2	0.2	0.2	I	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	16	0.0006
ssult ⁴	s	39.6 ND ND 3.6 ND 11 ND ND ND ND ND ND ND											ND	46.4	ND	ND	3.8	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analy	В	42.8												127	ND	ND	3.9	ND	13	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

⁻⁻ 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

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

	Surve	ey Date												07/12	2/2014										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activi	ity		ARM -	Armori	ng		Com	nents															
		ide												FI	ood										
		Location												Armoring	Operation	าร									
Sam Loca	tion					Upcu	rrent (A	mbien	t)										Downcur	rent					
Distan Sou		Approx. 500 - 1000 ft ¹																	500 ft	2					
Samp	le ID					071	214-A26	3-F-U										07	1214-A26	3-F-D					
Sample	Time						09:26												09:10						
		pa							P	СВ			ne ne	pa							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
Un	it	(ppm)					(ppb)					•	(ppm)						(ppb)					
Detectio	n Limit ³	Ambient + 100	0.05	-	-	1	-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	-		0.2	0.2	0.2	0.2	-	0.1
Water 0		*	0.0007	8.2	5.6	8.0	66	-		-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-		-	16	0.0006
sult4	s	44.0	ND	ND	3.3	ND	12	ND	ND	ND	ND	ND	ND	48.8	ND	ND	3.7	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Analy	В	62.0	ND	ND	4.0	ND	ND	ND	ND	ND	ND	ND	ND	48.8	ND	ND	3.6	ND	13	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

⁻⁻ 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

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

	Surve	ey Date												07/14	/2014										
	Surve	у Туре												V - Vess	el Based										
С	onstructi	ion Activi	PDC	- Pile [Driving	- Zone C		Com	nents																
Construction Activity Tide Source Location														Flo	od										
		Location											Pier	r 33											
Sample Location						Upcı	ırrent (An	nbient)									I	Downcur	rent					
Distar Sou					Appr	ox. 500 - 1	000 ft	1										500 ft ²	2						
Samp	ole ID	071414-P033-F-U															07	1414-P03	3-F-D						
Sample	e Time		_				13:40								_				13:17						
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)					(r	pb)	•	•				(ppm)		•				(ppb)	•	•	•		
Detectio	n Limit³	Ambient + 100	0.05	-	ı	1		0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05		-	-	-	0.2	0.2	0.2	0.2		0.1
Water 0	,	*	0.0007	8.2	5.6	8.0	66	ı	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66			-	-	16	0.0006
sult4	s	31.6	ND	3.0	ND	11	ND	ND	ND	ND	ND	ND	39.2	ND	ND	3.2	ND	ND	ND	ND	ND	ND	ND	ND	
Analytical Result⁴	М	53.6	ND	ND	3.2	ND	11	ND	ND	ND	ND	ND	ND	49.6	ND	ND	3.2	ND	11	ND	ND	ND	ND	ND	ND
Analy	В	72.8	ND	ND	3.4	ND	ND	ND	ND	ND	ND	ND	ND	66.4	ND	ND	3.3	ND	12	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

⁻⁻ 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.

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

	Surve	ey Date												07/16	/2014										
	Surve	у Туре												V - Vess	el Based										
Co	onstruct	tion Activity PDC - Pile Driving - Zone C Comments Tide																							
														Ek											
		Location												Pier	r 33										
Loca	Sample Location Distance to														l	Downcur	rent								
Distan Sou		Approx. 500 - 1000 ft ¹																500 ft ²	2						
Samp	le ID	071614-P033-E-U																07	1614-P03	3-E-D					
Sample	Time		17:07																17:24						
		pə							P	СВ		4	ne	eq							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)					()	opb)						(ppm)					(ppb)					
Detec Lim		Ambient + 100	0.05	-		1	I	0.2	0.2	0.2	0.2	ı	0.1	Ambient + 100	0.05	-			-	0.2	0.2	0.2	0.2		0.1
Water 0		*	0.0007	8.2	5.6	8.0	66			-		16	0.0006	*	0.0007	8.2	5.6	8.0	66			-		16	0.0006
esult4	s	24.4	ND	ND	4.3	ND	11	ND	ND	ND	ND	ND	ND	24.0	ND	ND	4.7	ND	12	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	20.0	11	ND	ND	ND	ND	ND	ND	28.4	ND	ND	6.5 ⁵	ND	25	ND	ND	ND	ND	ND	ND				
Analy	В	27.2	ND	ND	4.0	ND	11	ND	ND	ND	ND	ND	ND	28.0	ND	ND	4.0	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
- ⁵ Reported value exceeds the Water Quality Standard as stated in Condition 61 of NYSDEC Permit Facility ID 3-9903-00043/00012-14
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- 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												07/17	/2014										
	Surve	у Туре												V - Vess	el Based										
Survey Type Construction Activity Tide					- Pile [Driving	- Zone C		Com	nents															
														Flo	od										
Source Location Sample														Pie	r 33										
Location						Upcı	ırrent (An	nbient)									l	Downcur	rent					
Distance to Source						Appr	ox. 500 - 1	1000 ft	1										500 ft ²	2					
Samp	le ID					071	714-P03	3-F-U										07	1714-P03	3-F-D					
Sample	e Time	071714-P033-F-U 16:33																	16:09						_
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
Ur	nit	(ppm)					()	opb)	•		•			(ppm)					(ppb)		•		•	
Detectio	n Limit ³	Ambient + 100	0.05		-	1	ı	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-		1	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
\$ 25.6 ND				ND	4.3	ND	11	ND	ND	ND	ND	ND	ND	38.0	ND	ND	4.4	ND	11	ND	ND	ND	ND	ND	ND
W 48.4 ND B 68.0 ND				ND	4.3	ND	11	ND	ND	ND	ND	ND	ND	45.6	ND	ND	4.4	ND	11	ND	ND	ND	ND	ND	ND
Analy	В	68.0	ND	ND	4.2	ND	ND	ND	ND	ND	ND	ND	ND	53.6	ND	ND	4.4	ND	12	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												07/22/	/2014										
	Surve	у Туре												V - Vesse	el Based										
Co		ion Activ	ity	PDC	- Pile [Driving	- Zone C		Com	ments															
		ide												Eb											
		Location											,	Pier	33										
Sam Loca	tion	Upcurrent (Ambient)															ı	Downcur	rent						
Distan Sou			Approx. 500 - 1000 ft ¹																500 ft ²	2					
Samp	le ID			2214-P033					07	2214-P03	3-E-D														
Sample	Time		_				15:16							•	_				15:00						
		per							P	СВ	1	Φ	ne	per							P	СВ	1	Φ	ne
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(p	pb)	•	•	•			(ppm)					((ppb)	•		•		
Detec Lim		Ambient + 100	0.1			1	ı	0.1	0.1	0.1	0.1		0.1	Ambient + 100	0.1	1	1	1	1	0.1	0.1	0.1	0.1	1	0.1
Water G Stand		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult ⁴	s	7.80	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	12.4	ND	ND	ND	ND	6.9	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	14.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	16.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.80	ND	ND	ND	ND	12	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												07/22	/2014										
Survey Date Survey Type Construction Activity														V - Vess	el Based										
Construction Activity					- Pile [Driving	- Zone C		Com	ments															
Tide Source Location														Flo	od										
Source Location Sample Location														Pie	33										
Location						Upcı	ırrent (An	nbient)									ı	Downcur	rent					
Distance to Source						Appr	ox. 500 - 1	1000 ft	1										500 ft ²	2					
Sample ID						072	2214-P033	3-F-U										07	2214-P03	3-F-D					
Sample	e Time						16:11												15:56						
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)					(r	opb)	<u> </u>				1	(ppm)					((ppb)					
Detectio	n Limit ³	Ambient + 100	0.1				ı	0.1	0.1	0.1	0.1	-	0.1	Ambient + 100	0.1	-	-	-	1	0.1	0.1	0.1	0.1	-	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
ssult4	S 7.00 ND ND					ND	ND	ND	ND	ND	ND	ND	ND	6.60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
M 9.80 ND B 15.6 ND				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	9.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В	15.6	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	15.8	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											07/28	/2014											
	Surve	у Туре											V - Vesse	el Based											
Construction Activity PDC - Pile Driving - Zone									Com	omments															
Tide												Ebb													
Source Location Sample												Pier 30													
Loca	tion		Upcurrent (Ambient)												Downcurrent										
Distan Sou			Approx. 500 - 1000 ft ¹												500 ft ²										
Samp	le ID	072814-P030-E-U												072814-P030-E-D											
Sample	Time	14:54												14:32											
		p e							РСВ			o)	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)					(p	opb)	•	•				(ppm) (ppb)											
Detec Lim		Ambient + 100	0.05	-	ı		ı	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	1	-	ı		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
esult ⁴	s	4.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result ⁴	М	9.20	ND	ND	ND	ND	5.0	ND	ND	ND	ND	ND	ND	11.0	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND
Analy	В	15.8	ND	ND	ND	ND	6.3	ND	ND	ND	ND	ND	ND	14.4	ND	ND	ND	ND	6.5	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											07/30	0/2014											
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activi	PDC - Pile Driving - Zone C Comments																						
Tide											Flood														
Source Location											Pier 30														
Sam Loca			Upcurrent (Ambient)												Downcurrent										
Distan Sou			Approx. 500 - 1000 ft ¹												500 ft ²										
Samp	le ID	073014-P030-F-U												073014-P030-F-D											
Sample	Sample Time 11:17											10:56													
		Solids						PCB				ne	pə							P	В		0	ne	
Parameter	Parameter		Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)		(ppb)										(ppm) (ppb)											
Detectio	n Limit ³	Ambient + 100	0.05				I	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	1	ı	ŀ	ı	0.2	0.2	0.2	0.2	1	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	8.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.8	ND	ND	ND	ND	5.8	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	16	ND	ND	ND	ND	6.0	ND	ND	ND	ND	ND	ND	12.6	ND	ND	ND	ND	6.1	ND	ND	ND	ND	ND	ND
Anal)	В	34	ND	ND	ND	ND	6.2	ND	ND	ND	ND	ND	ND	116.8	ND	ND	ND	ND	6.5	ND	ND	ND	ND	0.04	ND

- ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- ² Samples collected at the edge of the 500 ft mixing zone
- ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
- -- No detection limit or water quality standard
- * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

	Surv	ey Date											07/3	1/2014												
	Surve	у Туре												V - Ves	V - Vessel Based											
C	onstruct	ion Activi	PDC - Pile Driving - Zone C Comments																							
Tide											Flood															
Source Location											Pier 30															
Sam Loca	tion		Upcurrent (Ambient)												Downcurrent											
Distan Sou				Approx. 500 - 1000 ft ¹												500 ft²										
Samp	ole ID	073114-P030-F-U												073114-P030-F-D												
Sample	ample Time 12:19										12:42															
		Suspended Solids Mercury							PCB				ne	pə							P	СВ		0	ne	
Parameter	Parameter		Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	
Un	nit	(ppm)		(ppb)										(ppm) (ppb)												
Detectio	n Limit ³	Ambient + 100	0.05				I	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	1	ı	-	1	0.2	0.2	0.2	0.2	ı	0.1	
Water 0 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	
ssult⁴	s	6.6	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	7.4	ND	ND	2.5	ND	12	ND	ND	ND	ND	ND	ND	
Analytical Result⁴	М	16.2	ND	ND	ND	7.0	11	ND	ND	ND	ND	ND	ND	16.6	ND	ND	ND	ND	9.7	ND	ND	ND	ND	ND	ND	
Anal)	В	68.8	ND	ND	2.3	ND	11	ND	ND	ND	ND	ND	ND	78.4	ND	ND	2.3	1.7	10	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