	Surve	ey Date												11/29	9/2013										
	Surve	у Туре												V - Vess	sel Based										
Co	onstructi	ion Activi	ty	,	ARM -	Armori	ng		Comr	nents									7,000,000,000,000,000						
	Ti	ide													bb										
		Location												Armoring	Operation	ns									
Sam Loca						Upcu	rrent (Aı	mbien	t)									1	Downcur	rent					
Distan Soui	Approx 600 1000 ff'															500 ft	2				-				
Samp	le ID					112	913-A26	3-E-U										11	2913-A26	3-E-D					
Sample	Time						11:35												11:21						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(	ppb)						(ppm)						(ppb)					
Detection	n Limit³	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	). <del>51.</del> 2	0.1
Water C Stand		*	0.0007	8.2	5.6	8.0	66	1	-			16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
sulf <sup>4</sup>	s						NS												NS		13				
Analytical Result <sup>4</sup>	М	24.8	ND	ND	3.4	ND	16	ND	ND	ND	ND	ND	ND	34.8	ND	ND	5.1	ND	17	ND	ND	ND	ND	ND	ND
Analy	В						NS								•		.00		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
- -- 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.
  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												11/29/	2013										
	Surve	у Туре												V - Vesse	l Based										
С	onstruct	ion Activi	ity	PDC	- Pile	Driving	g - Zone C		Comi	ments				330										2	
	Т	ide											1	Eb	b										
	10.00.000.000.000.00	Location												Pier	31										
Sam Loca			2011.00.00		Upo	current (Am	bient)										ļ	Downcur	rent						
Distar Sou						App	rox. 500 - 10	000 ft <sup>1</sup>	ě										500 ft <sup>2</sup>	2					
Samp	ole ID					11	2913-P031	-E-U										11	2913-P03	31-E-D					
Sample	e Time						13:20							N.					12:42						
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)					(p	pb)				•		(ppm)						(ppb)					
Detectio	n Limit³	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 (		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
sulf*	s	6.00	ND	ND	5.2	ND	17	ND	ND	ND	ND	ND	ND	10.8	ND	ND	4.8	ND	16	ND	ND	ND	ND	ND	ND
Analytical Resulf	М	8.40	ND	ND	5.3	ND	16	ND	ND	ND	ND	ND	ND	20.4	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND
Analy	В	33.2	ND	ND	3.5	ND	21	ND	ND	ND	ND	ND	ND	27.6	ND	ND	ND	ND	18	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
- -- No detection limit or water quality standard
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  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surv	ey Date												11/30	/2013										
	Surve	у Туре								110-0517				V - Vess	el Based										
С	onstruct	ion Activ	ity	PDC	- Pile	Driving	g - Zone C		Com	ments															
	Т	ide											- / b-2+ Care to 10 - 10 - 10	Eb	b										
	Source	Location												Pier	32										
Sam Loca						Upo	current (Am	nbient)											Downcur	rent					
Distar Sou						Арр	rox. 500 - 1	000 ft <sup>1</sup>											500 ft <sup>2</sup>	2					
Samp	ole ID					11	13013-P032	-E-U										11	3013-P03	2-E-D					
Sample	e Time						12:21												12:49						
Parameter	r al allietei	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	pb)						(ppm)					·	(ppb)					
Detectio	on Limit <sup>3</sup>	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 (	12 52	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
		10.4	ND	ND	4.4	ND.	17	ND	ND	ND	ND	ND	ND	20.0	ND	ND	4.2	ND	17	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	13.2	ND	ND	3.8	ND	15	ND	ND	ND	ND	ND	ND	26.0	ND	ND	3.4	ND	16	ND	ND	ND	ND	ND	ND
Analy	В	47.2	ND	ND	3.8	ND	18	ND	ND	ND	ND	ND	ND	38.0	ND	ND	3.6	ND	16	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
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  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												12/02	2/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity		ARM -	Armori	ng		Com	ments															
	Т	ide													bb										
		Location												Armoring	Operarior	ns									
Sam Loca				7/	Upcu	rrent (A	mbien	t)		****					n.		l	Downcur	rent						
Distar Sou			Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2								
Samp	ole ID				>=	120	213-A26	3-E-U										12	0213-A26	3-E-D	ŝ		C		
Sample	e Time						11:42												11:27						
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	0.05					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 (		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
sulf <sup>4</sup>	s NS															NS									
Analytical Result⁴	М	32.0	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	41.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В		1	1			NS				ı				-				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
- -- 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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  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												12/02	2/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ty	,	ARM -	Armori	ng		Com	ments					0			330							
	Т	ide												Fle	ood										
	Source	Location								9				Armoring	Operation	ns									
Sam Loca						Upcu	rrent (Aı	mbien	t)										Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	ole ID					120	213-A26	3-F-U										12	0213-A26	3-F-D	7				
Sample	e Time						09:58					r.							09:46						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(	ppb)		,				(ppm)						(ppb)					
Detectio	n Limit <sup>3</sup>	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 (		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66	2 <b></b> 2				16	0.0006
sulf	s						NS												NS						
Analytical Result⁴	М	32.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	35.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Analy	В					•	NS												NS						

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <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
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  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												12/02	2/2013										
	Surve	у Туре				W-10-20-00-00-0								V - Vess	sel Based										
С	onstruct	ion Activi	ty	PDC	- Pile	Driving C	- Zone		Comi	ments						85									
Construction Activity Tide														E	bb										
Source Location														Pie	r 32										
Sample Location						Upcu	rrent (A	mbien	t)		-2								Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft	2 .					
Samp	ole ID					120	213-P03	2-E-U										12	0213-P03	82-E-D					
Sample	e Time						13:13												13:34						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(	ppb)						(ppm)	-					(ppb)					
Detectio	n Limit³	Ambient + 100	0.05				-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	(1 <del>5 1</del>				0.2	0.2	0.2	0.2		0.1
Water (	and the same of th	*	0.0007	8.2	5.6	8.0	66		-	-		16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-			16	0.0006
esulť	s	18.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	20.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М	22.4	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	24.4	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
Analy	В	28.0	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	34.4	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND

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

	Surve	ey Date												12/02	2/2013										
	Surve	у Туре												V - Vess	sel Based										
Co	onstruct	ion Activi	ity	PDC	- Pile	Driving C	- Zone		Comi	ments															
	Т	ide												Fl	ood										
	Source	Location												Pie	er 32										
Sample Location						Upcu	rrent (A	mbient	t)									ı	Downcur	rent					
Distan Sou	wowen trees					Appro	x. 500 -	1000 f	t¹										500 ft <sup>2</sup>	2					
Samp	le ID					120	213-P03	2-F-U										12	0213-P03	32-F-D					
Sample	e Time						09:25												09:01						
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 Limit³	Ambient + 100	0.05	1		1		0.2	0.2	0.2	0.2	-	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	ı				16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esulf s		55.2	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	40.4	ND	ND	ND	ND	17	ND	NĎ	ND	ND	ND	ND
Analytical Result		65.6	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	65.2	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND
Analy	В	68.8	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	66.8	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND

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- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
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  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												12/03	3/2013										
	Surve	у Туре												V - Ves	sel Based										
С	onstruct	ion Activi	ty		ARM -	Armori	ng		Com	ments															
	Т	ide												E	bb										
		Location												Armoring	Operation	ıs									
Sam Loca						Upcu	rrent (A	mbient	<b>:</b> )							Hall 5-22-15-54			Downcur	rent					
Distar Sou					0	Appro	x. 500 -	1000 fi	t <sup>1</sup>										500 ft	2					
Samp	ole ID					120	313-A26	3-E-U										12	0313-A26	3-E-D					
Sample	12:46 PCB 9																	12:34							
Darameter	a a a a a a a a a a a a a a a a a a a	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	0.05			-	A <del></del> -	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					16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-			16	0.0006
sulf	s						NS												NS						
Analytical Result⁴	М	24.8	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	28.0	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND
Anal	В		E.				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
- -- No detection limit or water quality standard
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  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												12/03	3/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ty		ARM -	Armori	ng		Comi	nents															
	Т	ide												Flo	bod										
	Source	Location												Armoring	Operation	ns									
Sam Loca						Upcu	rrent (A	mbien	t)									ı	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t¹										500 ft <sup>2</sup>	2					
Samp	ole ID	9				120	313-A26	3-F-U										12	0313-A26	3-F-D					
Sample	e Time						10:41												10:25						
ra ra	3	Solids	5	_	7.			242		B 82	560	lene	yrene	s	Ţ.	<u></u>	er	_		242	248 PG		097	lene	yrene
Darameter		Total Susp Solid	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	0.05					0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		1	1		0.2	0.2	0.2	0.2	11	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
sulf⁴	s	18.4	- ND	ND	3.3	ND	14	ND	ND	ND	ND	ND	ND	28.4	ND	ND	3.2	ND	14	ND	ND	ND	ND	ND	ND
/tical Re	Analytical Resulf						NS												NS						
Analy	В	52.0	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	38.4	ND	ND	ND	ND	15	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
- -- 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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  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surv	ey Date												12/04	1/2013							mandolik-			
	Surve	у Туре												V - Vess	sel Based	ļ.									
С	onstruct	ion Activ	ity		ARM -	Armor	ing		Com	ments															
		ide												E	bb										
		Location												Armoring	Operation	ns									
San Loca						Upcu	rrent (A	mbien	t)										Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>								0		500 ft <sup>2</sup>	2					
Samp	ole ID					120	413-A26	3-E-U										12	0413-A26	3-E-D					
Sample	e Time						13:19												13:06						
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	0.05				-	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.05	-	-	ı	1	0.2	0.2	0.2	0.2		0.1
Water of Stand		*	0.0007	8.2	5.6	8.0	66				1	16	0.0006	*	0.0007	8.2	5.6	8.0	66	1	1	-	1	16	0.0006
sulf	s						NS												NS						
Analytical Resulf⁴	М	31.6	ND	ND	3.1	ND	13	ND	ND	ND	ND	ND	ND	73.2	ND	ND	3.1	ND	14	ND	ND	ND	ND	ND	ND
Analy	В						NS						H						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
- -- 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.
  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												12/04	1/2013										
	Surve	у Туре												V - Ves	sel Based									v	
С	onstructi	ion Activi	ty		ARM -	Armori	ng		Com	nents												(1)			
	Т	ide				1000000								FI	ood	*									
	Source	Location												Armoring	Operation	ns									
San Loca						Upcu	rrent (A	mbient	t)	185.000-10									Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft	2					
Samp	ole ID					120	413-A26	3-F-U										12	:0413-A26	63-F-D					
Sample	e Time						11:10								-				10:52						
Doromotor	9	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)					
Detectio	n Limit <sup>3</sup>	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 (		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66		-			16	0.0006
esult.	s	34.8	ND	ND	3.4	ND	15	ND	ND	ND	ND	ND	ND	42.8	ND	ND	3.0	ND	14	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Analy	В	71.2	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	75.2	ND	ND	3.5	ND	15	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
- -- 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.
  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surv	ey Date												12/06	5/2013										
	Surve	у Туре												V - Vess	sel Based										
C	onstruct	ion Activ	ity	8	ARM -	Armori	ing		Com	ments															
	Т	ide												E	bb										
		Location												Armoring	Operation	าร									
Sam Loca						Upcu	rrent (A	mbien	t)				2					I	Downcur	rent					
Distan Sou	15 50 50 50					Appro	x. 500 -	1000 f	t <sup>1</sup>						20				500 ft <sup>2</sup>	?					
Samp	le ID					120	613-A26	3-E-U										12	0613-A26	3-E-D					
Sample	Time						14:57												14:43						
		ped			1				P	СВ		Ф	ne	ded							PC	СВ		ø	e u
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)					(	ppb)						(ppm)					(	ppb)					
Detectio	n Limit³	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		1	1	-	0.2	0.2	0.2	0.2	: <del></del> :	0.1
Water (		*	0.0007	8.2	5.6	8.0	66			-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66		-			16	0.0006
ssult4	s						NS												NS						
Analytical Result <sup>4</sup>	М	29.2	ND	ND	3.3	ND	16	ND	ND	ND	ND	ND	ND	48.4	ND	ND	ND	ND	16	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>&</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> 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

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.

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

	Surve	ey Date												12/06	5/2013		- VAIII		8						
	Surve	у Туре												V - Vess	sel Based					89					
Co	onstructi	on Activi	ity	,	ARM -	Armori	ng		Comr	nents															
	T	ide												FI	ood										
	9.750/5007/09.000/	Location												Armoring	Operation	าร									
Sam Loca	tion	AT.				Upcu	rrent (A	mbien	t)						Diameter and the second				Downcur	rent					
Distan Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft	2					
Samp	le ID					120	613-A26	3-F-U								69		12	0613-A26	3-F-D					
Sample	e Time						10:10												09:53						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	it	(ppm)						ppb)	٩	٩	٩		ш	(ppm)						(ppb)	٩	٩	٩		"
Detectio	n Limit <sup>3</sup>	Ambient +	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 (		*	0.0007	8.2	5.6	8.0	66	-	-	-	1	16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
sult4	s			ALC: 41 PA SA			NS												NS						
Analytical Result <sup>4</sup>	М	43.2	ND -	ND	3.0	ND	16	ND	ND	ND	ND	ND	ND	101	ND	ND	3.0	ND	16	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>&</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> No detection limit or water quality standard

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

	Surve	ey Date												12/06	/2013										
	Surve	у Туре												V - Vess	el Based										
C	onstructi	ion Activ	ity	PDC	- Pile [	Driving	- Zone C		Comi	nents													9		
	T	ide												Flo											
		Location												Pie	r 31										
Sam Loca	: B					Upcı	ırrent (Ar	nbient	:)									1	Downcur	rent					
Distar Sou	WATER THEO					Appr	ox. 500 - 1	1000 ft	1										500 ft <sup>2</sup>	2					
Samp	le ID			_		120	0613-P03	1-F-U										12	0613-P03	81-F-D					
Sample	e Time						11:28				<u>.</u>								10:50						
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)					()	opb)						(ppm)						ppb)	2070		10.50		
Detectio	n Limit <sup>3</sup>	Ambient +	0.05					0.2	0.2	0.2	0.2		0.1	Ambient +	0.05	-	-	-		0.2	0.2	0.2	0.2	-	0.1
Water of 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
ssult4	s	22.0	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	47.2	ND	ND	3.0	ND	14	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	M	66.0	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	56.8	ND	ND	3.3	ND	15	ND	ND	ND	ND	ND	ND
Analy	В	90.4	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	117	ND	ND	3.0	ND	16	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> 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

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.

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

	Surv	ey Date												12/07	/2013										
	Surve	у Туре												V - Vess	el Based										
C	onstruct	ion Activ	ity	PDC	- Pile I	Driving	- Zone C		Com	ments															
		ide												Et	ob										
		Location												Pier	31										
Sam Loca						Upcı	urrent (An	nbient	)										Downcur	rent		1.200			
Distar Sou						Appr	ox. 500 - 1	000 ft	İ										500 ft <sup>2</sup>	2					
Samp	ole ID					12	0713-P031	-E-U										12	0713-P03	81-E-D					
Sample	e Time						16:22				29								15:58						
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)					(r	ppb)						(ppm)						(ppb)			•	•	
Detectio	n Limit <sup>3</sup>	Ambient + 100	0.05			-	-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	-	ı	-	-	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	34.4	ND	ND	3.2	ND	18	ND	ND	ND	ND	ND	ND	37.6	ND	ND	3.2	ND	14	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М	34.4	ND	ND	3.1	ND	16	ND	ND	ND	ND	ND	ND	38.4	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND
Anal	В	44.0	ND	ND	3.6	ND	17	ND	ND	ND	ND	ND	ND	38.0	ND	ND	3.0	ND	15	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> 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

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.

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

	Surv	ey Date												12/07	/2013										
	Surve	у Туре												V - Vess	el Based										
С	onstruct	ion Activ	ity	PDC	- Pile [	Driving	- Zone C		Com	ments															
	Т	ide												Flo	ood										
		Location												Pie	r 31										
San Loca	nple ation					Upcı	urrent (An	nbient	)										Downcur	rent					
	nce to urce					Appr	ox. 500 - <sup>-</sup>	1000 ft	1			i i							500 ft <sup>2</sup>	2					
Samp	ole ID					120	0713-P03	1-F-U										12	0713-P03	31-F-D					
Sampl	e Time	- 3					12:40												12:09						
		pel							P	СВ		o)	ne	led							P	СВ		o)	ne
	rafameter	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)				***************************************	()	opb)	•					(ppm)						(ppb)					
Detection	on Limit <sup>3</sup>	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
	Quality dard <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
esult <sup>4</sup>	s	34.0	ND	ND	3.4	ND	16	ND	ND	ND	ND	ND	ND	37.2	ND	ND	3.9	ND	15	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	90.0	ND	ND	3.4	ND	16	ND	ND	ND	ND	ND	ND	73.2	ND	ND	3.5	ND	15	ND	ND	ND	ND	ND	ND
Analy	В	87.2	ND	ND	3.4	ND	16	ND	ND	ND	ND	ND	ND	78.0	ND	ND	3.5	ND	25	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> 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

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.

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

	Surve	ey Date												12/09	9/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity	,	ARM -	Armori	ng		Comr	nents								Alberta -							-4
	T	ide												Е	bb										
	Source	Location												Armoring	Operation	ıs									
San Loca						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	ole ID					120	913-A26	3-E-U										12	0913-A26	3-E-D					
Sampl	e Time						10:40												10:24						
Dermeter		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)					1
Detection	n Limit <sup>3</sup>	Ambient + 100	0.05	-	-		1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	1		1 5		0.2	0.2	0.2	0.2		0.1
Water of 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			1147-04780			NS											2	NS						
Analytical Result⁴	М	34.8	ND	ND	3.7	ND	14	ND	ND	ND	ND	ND	ND	35.6	ND	ND	3.9	ND	18	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS						

<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

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

	Surv	ey Date												12/09	9/2013										
	Surve	у Туре												V - Ves	sel Based										
С	onstruct	ion Activ	ity		ARM -	Armori	ng		Comi	ments															
		ide												FI	ood										
		Location												Armoring	Operation	าร									
San Loca						Upcu	rrent (A	mbien	t)				34						Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft	2					
Samp	ole ID					120	913-A26	3-F-U										12	0913-A26	3-F-D					
Sampl	e Time						12:00												11:47	98					
1	5	papua	>		_			- 7		ZB	9	ane	rene	nded						2		CB	9	aue.	rene
Darameted	3	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(	ppb)		•				(ppm)						(ppb)					
Detectio	n Limit³	Ambient + 100	0.05		-			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 (	11.000 (10.000 (10.000 (10.000 (10.000 (10.000 (10.000 (10.000 (10.000 (10.000 (10.000 (10.000 (10.000 (10.000	*	0.0007	8.2	5.6	8.0	66				-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-		-	s <b></b> s	16	0.0006
ssult4	s						NS												NS					P.	
Analytical Result <sup>4</sup>	М	30.4	ND	ND	3.1	ND	15	ND	ND	ND	ND	ND	ND	39.6	ND	ND	3.3	ND	14	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>&</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> 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

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.

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

	Surve	ey Date												12/10	/2013										
	Surve	у Туре			14.		11. 12. 2. 11. 11.							V - Vess	el Based										
C	onstructi	ion Activ	ity	,	ARM -	Armori	ng		Comr	nents		1													
	Т	ide												Е	bb										
		Location												Armoring	Operation	าร									
Sam Loca	tion					Upcu	rrent (A	mbien	t)									1	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	ole ID					121	013-A26	3-E-U										12	1013-A26	3-E-D					
Sample	e Time						10:28	).											10:16						
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	0.05	-		-	_	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 (		*	0.0007	8.2	5.6	8.0	66	<u></u>			-	16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
sult4	s						NS												NS						
Analytical Result <sup>4</sup>	М	68.8	ND	ND	3.2	ND	15	ND	ND	ND	ND	ND	ND	41.2	ND	ND	3.4	ND	15	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>&</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

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	Surv	ey Date												12/10	0/2013										
	Surve	у Туре												V - Ves	sel Based	I									
С	onstruct	ion Activ	ity		ARM -	Armori	ng		Com	ments															
	Т	ide												FI	ood										
		Location												Armoring	Operation	ns									
III	nple ation					Upcu	rrent (A	mbien	t)									j	Downcur	rent	- 6				
620000000000000000000000000000000000000	nce to irce					Appro	x. 500 -	1000 f	't¹										500 ft	2					
Samı	ole ID					121	013-A26	3-F-U										12	1013-A26	3-F-D					
Sampl	e Time						12:47												12:33						
3	alailletei	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	1242		r 1254 B	1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	1242		1254 B	.1260	Naphthalene	Benzo(a)pyrene
	9	Total Su Sc	Mei	ž	ပိ	ר	Z	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphi	Benzo(	Total Su So	Mer	ž	၀၁	רי	Z	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Napht	Benzo(
Uı	nit	(ppm)					(	ppb)						(ppm)						(ppb)					
Detection	on Limit <sup>3</sup>	Ambient + 100	0.05					0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05		-	720		0.2	0.2	0.2	0.2		0.1
Water Stand		*	0.0007	8.2	5.6	8.0	66				-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-			-	16	0.0006
ssult4	s						NS												NS						
Analytical Result⁴	М	40.4	ND	ND	3.0	ND	14	ND	ND	ND	ND	ND	ND	59.2	ND .	ND	3.5	ND	17	ND	ND	ND	ND	ND	ND
Analy	В			0.00 a sa s			NS											59	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>&</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> No detection limit or water quality standard

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

		ey Date												12/1:	3/2013										
	Şurv	еу Туре												V - Ves	sel Based	1	-								
		ion Activ	ity		ARM -	Armor	ing		Com	ments								0.000		7 T T T T T T T T T T T T T T T T T T T					
		Tide												6	bb										
		Location											S	Armoning	Operation	ns		***	·						
Loca	nple ation		<b>-</b> V			Upcı	errent (A	mbien	1)										Downcui	rent					
	nce to urce					Appro	ox 500 -	1000 f	11										500 ft	2					
Samp	ple ID					121	313-A26	3-E-U		*********								12	1313-A26	3-E-D				-	
Sampl	le Time				•		14:49	1									_		14;31						
		Deb				-			P	СВ			2	2							P	СВ			
		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aracior 1248	Aroclor 1254	Aroclar 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Araclor 1242	Aroclor 1248	Aracior 1264	Aroclor 1260	Naphthalene	Benzo(4)pyrene
Uı	nit	(ppm)						(ppb)			-			(ppm)						(ppb)					
Detectio	on Limit <sup>a</sup>	Ambient + 100	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	Ambient +	0.05	_	_	-	_	0.2	0.2	0,2	0,2	-	0.1
Water (	5500	•	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006		0.0007	8.2	5.6	8.0	66	-	_	-	-	16	0.0006
#salf	s	86,4	NO	NO	3.6	NO	14	NĐ	ND	ND	ND	NO	ND	95,6	ND	NO	3.8	4.0	20	NO	NO	ND	ND	NO	NO
Analytical Resulf	M				H		NS						-						NS						
A	8	98.4	ND	ND	ND	ND	14	ND	NO	ND	ND	ND	ND	96.4	ND	ND	4.0	ND	16	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
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  - 4 S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surv	ey Date												12/10	3/2013										
	Surve	у Туре											-	V - Ves	sel Based	1			_		-	_			
	Construct	ion Activ	ity		ARM -	Armor	ing		Com	ments										_					
		ide												E	bb										
		Location												Armoring	Operation	ns									
	nple ation					Upcu	rrent (A	mbien	t)								100.0		Downcur	rent					
	nce to urce					Appro	x 500 -	1000 (	t¹										500 ft	2					
Sam	pie ID					121	613-A26	3-E-U		2000								12	1613-A26	3-E-D		9000			
Sampl	le Time						14:01												13:44						
		<b>26</b>							P	СВ			ğ	2					Γ	mode.	P	CB			9
E	Farameter	Total Suspended Solids	Mercury	Nickei	Copper	Lead	Zinc	Aroclor 1242	Araclar 1248	Aroclor 1254	Areclor 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
U	nit	(ppm)						ppb)		-				(ppm)	75					(ppb)					
Detection	on Limit <sup>3</sup>	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
	Quality dard <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
esuit	s	73,2	ND	ND	ND	NO	16	NO	ND	ND	ND	ND	ND	102	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analytical Resul	М						NS				w.								NS						
Anal	В	57.2	ND	ND	NO	NO	15	NO	NO	ND	ND	ND	ND	137	NO	NO	ND	ND :	15	ND	ND	NO	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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	Surv	ey Date												12/10	3/2013			_					-		
	Surve	у Туре					-							V - Ves	sel Basec	i									
С	onstruct	ion Activ	ity		ARM -	Armor	ing		Com	ments						•								_	
	T	ide												F	ood						01122				
		Location												Armoring	Operation	ns									
	nple ation					Upcu	rrent (A	mbien	t}										Downcu	rent					
	nce to urce					Appro	x 500 -	1000 1	ì'				_						500 ft	2					
Samı	ple ID					121	613-A26	3-F-U										12	1613-A20	53-F-D					
Sampl	e Time						10:43	9	_										10:27						
		D e g							P	СВ	_		2	Pa					Γ		P	CB			2
	raramoter	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	Arocior 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Uı	nit	(ppm)					(	ppb)						(ppm)			l			(ppb)			-		
Detection	on Limit <sup>3</sup>	Ambient + 100	0.05	_	-	-	1	0.2	0.2	0.2	0.2	-	0.1	Ambient +	0.05	-	-	_	_	0.2	0.2	0.2	0.2	=	0.1
Water Stand	Quality dard <sup>3</sup>	•	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
lesuit	S	32,4	ND	ND	NO	ND	16	ND	MD	ND	NO	ND	ND	34.8	NO	NO	ND	NO	16	ND	ND	ND	ND	ND	ND
Analytical Resulf	М						NS												NS						
Ana	В	35.6	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	38.4	ND	ND	ND	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
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	Surv	ey Date		Г							8.6			12/1	7/2013										
	Surve	ву Туре	******	Ī								VI			sel Based	1						-			
C	onstruct	ion Activ	rity		ARM -	Amor	ing	Π	Com	ments		1													
	Т	ide												E	bb		Soldie								
		Location								265277.45				Armoring	Operation	ns									
Loc	nple ation					Upcu	rrent (A	mbier	ıt)						-				Downcur	rent					
43	nce to urce					Appro	x. <b>500</b> -	1000	ħ¹		-100	-				-			500 ft	2					
Sam	ple ID					121	713-A26	3-E-U	ii i			*						12	1713-A26	3-E-D					
Sampl	e Time						14:06						-				W.		13;43						
		ded					-		P	СВ			2	8	Water						P	CB			
		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Araclar 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nicket	Copper	Lead	Zinc	Aroclar 1242	Arocior 1248	Aroclor 1254	Arocior 1260	Naphthalene	Benzo(a)pyrene
U	nit	(ppm)					-	ppb)					1	(ppm)						ppb)				<u> </u>	
Detection	on Limit <sup>3</sup>	Amblent + 100	0.05	-	-	-	-	0,2	0.2	0.2	0.2	-	0.1	Ambient +	0.05	-	-	-	-	0,2	0.2	0,2	0,2	-	0.1
Water Stan		*	0.0007	8.2	5.6	8.0	66		-	-	_	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	1	-	16	0.0006
lesuit*	s	29.2	ND	NO	NO	ND	15	ND	ND	ND	ND	ND	ND	34,4	NO	ND	NO	ND	15	ND	ND	ND	ND	NO	ND
Analytical Result	M						NS												NS						1
Ana	В	36.8	ND	ND	ND	ND	17	ND	ND	ND	NO	ND	ND	38.4	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND

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		ey Date											<del></del>	12/1	7/2013										
	Surv	ву Туре	-	T											sel Base	d		-							
	Construc	tion Activ	rity		ARM ·	Amo	ing	Π	Com	ments	3	Т							-						
	1	Tide							6.			_		F	lood										
		Location												Armoning	Operatio	ns		-		-					_
	mple ation					Upcı	rrent (A	mbier	nt)										Downcu	rrent					
	nce to urce					Appr	x. 500 -	1000	ft¹						-				500 f	 l <sup>2</sup>					180
Sam	ple ID					121	713-A20	3-F-U										12	21713-A2	63-F-E	,				
Sampl	le Time						10:46	1											10:12				- K		
3		pep				Γ		F	1	СВ			g	P G		Γ	Г				P	CB			2
£	ratamoter	Total Suspended Solids	Mercury	Nickel	Copper	Pead	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 1264	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)						(ppb)						(ppm)				<u> </u>		(ppb)		_	_		
Detectio	on Limit <sup>3</sup>	Ambient + 100	0.05	-	-	-	_	0.2	0.2	0.2	0.2	-	0.1	Ambient +	0.05	-	-	-	:_:	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	0.000€
esuir	s	34.0	ND	ND	ND	NĐ	13	NĐ	NO	ND	NO	NO	ND	103	NO	ND	ND	ND	10	NO	ND	ND	ND	ND	ND
Analytical Result	М						NS												NS	_					L
Ana	В	80.8	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	48.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND

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	Surv	ey Date												12/18	3/2013										
	Surve	у Туре												V - Vess	el Based										
С	onstruct	ion Activ	ity	PDC -	Pile D	riving -	Zone C		Comi	ments															
	Т	ide												Flo	ood										
	Source	Location												Pie	r 31										
Sam Loca						Upcu	rrent (Aı	nbient	:)										Downcur	rent					
Distar Sou				*		Appro	x. 500 -	1000 ft	1									7	500 ft <sup>2</sup>	2					
Samp	ole ID					121	813-P03	1-F-U										12	1813-P03	81-F-D					
Sample	e Time						09:05												08:38						
Parameter	5	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)					(	ppb)		•		•		(ppm)						(ppb)	•				
Detectio	n Limit <sup>3</sup>	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 (		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66		-			16	0.0006
esult4	s	20.0	ND	ND	3.4	ND	13	ND	ND	ND	ND	ND	ND	25.6	ND	ND	3.1	ND	17	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М	121	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND	80.0	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND
Anal	В	183	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	91.2	ND	ND	ND	ND	18	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

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

	Surve	ey Date												12/18	3/2013					2=2;-22;					
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activ	ity	,	ARM -	Armori	ng		Comi	ments													- 1 L		
		ide													bb										
		Location												Armoring	Operation	18									
San Loca	ation					Upcu	rrent (A	mbien	t)					•				ļ	Downcur	rent					
Distar Sou		(A	Approx. 500 - 1000 ft <sup>1</sup>																500 ft <sup>2</sup>	2					
Samp	ole ID					121	813-A26	3-E-U										12	1813-A26	3-E-D					
Sampl	e Time						14:39								•		• ]		14:18						
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)					
Detection	on Limit <sup>3</sup>	Ambient + 100	0.05			н		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 (		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult⁴	s	33.6	ND	ND	3.3	ND	19	ND	ND	ND	ND	ND	ND	41.6	ND	ND	3.1	ND	16	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						Maccol III-land
Anal	В	38.8	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	42.4	ND	ND	3.6	ND	15	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> 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

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.

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

	Surve	ey Date												12/18	3/2013									81	
	Surve	у Туре												V - Vess	sel Based									A CHIEF SEC	
С	onstruct	ion Activ	ity		ARM -	Armori	ng		Comr	nents															
	Т	ide													boc										
		Location												Armoring	Operation	าร									
San Loca	nple ation					Upcu	rrent (A	mbien	t)									1	Downcur	rent					
11	nce to irce					Appro	x. 500 -	1000 f	t <sup>1</sup>						0				500 ft <sup>2</sup>	2	.20				
Samı	ole ID					121	813-A26	3-F-U										12	1813-A26	3-F-D					
Sampl	e Time						11:50												11:30						
Doromotor	Talalli etci	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	0.05		-		1	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05				2000	0.2	0.2	0.2	0.2		0.1
	Quality dard <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
esult <sup>4</sup>	s	39.2	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	41.6	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
Analytical Result⁴	M						NS											- 5	NS						
Analy	В	51.2	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	50.0	ND	ND	4.2	ND	17	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

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

	Surv	ey Date												12/19	9/2013										
	Surve	у Туре												V - Vess	sel Based						/mi				
С	onstruct	ion Activ	ity		ARM -	Armori	ng		Com	nents															
	Т	ide			- Maline Are										bb						i i				
		Location												Armoring	Operation	าร									
San Loca						Upcu	rrent (A	mbien	t)				=			1.0		1	Downcur	rent					
Distar Sou				30.340.532117		Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2	-				
Samp	ole ID		31			121	913-A26	3-E-U										12	1913-A26	3-E-D					
Sampl	e Time						13:52												13:33						
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)			9		(	ppb)					
Detectio	n Limit³	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 (		*	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	33.6	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	49.2	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND
Analytical Result <sup>4</sup>	М						NS												NS						
Anal	В	42.0	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	66.8	ND	ND	ND	ND	17	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

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

	Surve	ey Date												12/19	9/2013									9/8/17/8/19	
	Surve	у Туре					- 10							V - Vess	sel Based	8						e-cocollo. No			
С	onstruct	ion Activ	ity		ARM -	Armori	ng		Com	nents															
	Т	ide	-									10		Fk	bod										
		Location												Armoring	Operation	าร									
San Loca						Upcu	rrent (A	mbien	t)									1	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	ole ID				28-11:00	121	913-A26	3-F-U			70							12	1913-A26	3-F-D					
Sampl	e Time		_				09:01												08:40						
Daramotor	a a a a a a a a a a a a a a a a a a a	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)				Tie.		(ppm)					(	(ppb)					
Detection	on Limit <sup>3</sup>	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	S==	0.1
Water Stand		*	0.0007	8.2	5.6	8.0	66				-	16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esult4	s	46.4	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	58.0	ND	ND	3.0	ND	15	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	11					NS												NS						
Analy	В	53.2	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	76.4	ND	ND	4.1	ND	14	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> No detection limit or water quality standard

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

	Surve	ey Date		79.00 TIP										12/20	)/2013										
	Surve	у Туре	And the same of th											V - Vess	sel Based										
С	onstruct	ion Activi	ty		ARM -	Armori	ng		Com	nents															
	Т	ide												E	bb										
	Source	Location												Armoring	Operation	ıs									
Sam Loca			**			Upcu	rrent (A	mbient	t)										Downcur	rent	1				
Distar Sou						Appro	x. 500 -	1000 fi	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	ole ID					122	013-A26	3-E-U										12	2013-A26	3-E-D					
Sample	e Time				60		14:38												14:17						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Un	nit	(ppm)					(	ppb)						(ppm)						(ppb)					
Detectio	n Limit <sup>3</sup>	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 (	33 35 3 T	*	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
ssul <sup>‡</sup>	s	28.0	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	39.6	ND	ND	ND	ND	18	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS I I I I I I																NS						
Anal	В	52.8	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	56.0	ND	ND	ND	ND	16	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
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  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												12/20	)/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity	8.	ARM -	Armori	ing		Comi	ments															
	Т	ide												FI	ood										
		Location												Armoring	Operation	าร									
San Loca	0.50					Upcu	rrent (A	mbien	t)									1	Downcur	rent					n
Distar Sou			Harongo Milinara			Appro	x. 500 -	1000 f	t¹										500 ft <sup>2</sup>	2					
Samı	ole ID					122	013-A26	3-F-U										12	2013-A26	3-F-D					
Sampl	e Time						09:17												08:56						
	5	papu	>					15		ZB	00	eue	rene	papua	>		L			12	P( ⊕		00	ene	rene
Daragement		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)					
Detectio	n Limit <sup>3</sup>	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 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	65.6	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	73.2	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS				4								NS						
Anal	В	79.2	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	76.0	ND	ND	ND	ND	15	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
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	Surve	ey Date												12/21	/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ty		ARM -	Armori	ng		Com	ments															
	Т	ide												E	bb								2		
	Source	Location												Armoring	Operation	s									
San Loca						Upcu	rrent (Aı	mbient	:)									H	Downcur	rent					
Distai Sou						Appro	x. 500 -	1000 ft	.1										500 ft <sup>2</sup>	<u> </u>					
Samı	ole ID					122	113-A26	3-E-U										12	2113-A26	3-E-D					
Sampl	e Time						14:51												14:33						
actomicaco	במומומומ	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)						opb)	∢	∢	∢		<u> </u>	(ppm)						ppb)	∢	∢	∢		М
Detection		Ambient +	0.05					0.2	0.2	0.2	0.2		0.1	Ambient +	0.05			-,		0.2	0.2	0.2	0.2		0.1
Water Stand		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66			33		16	0.0006
ssul <sup>¢</sup>	s	40.4	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	39.2	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS NS																NS						oo -
Anal	В	55.2	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	44.0	ND	ND	ND	ND	15	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
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	Surv	ey Date												12/21	1/2013										
	Surve	у Туре												V - Vess	sel Based										
С	onstruct	ion Activi	ity	100	ARM -	Armori	ng		Com	ments															1
	Т	ide												FI	ood										
		Location												Armoring	Operation	าร									
San Loca			211			Upcu	rrent (A	mbien	t)										Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					× = -
Samp	ole ID					122	113-A26	3-F-U			2/							12	2113-A26	3-F-D					
Sample	e Time						08:45												08:24						
		papı								В		Je	ene	papu								В		ле	ene
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	0.05					0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	_	1	1	1	0.2	0.2	0.2	0.2	-	0.1
Water of Stand		*	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
esulť	s	42.8	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND	36.8	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М						NS			4									NS			4			
Anal	В	42.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	47.2	ND	ND	3.8	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
- <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
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  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surv	ey Date												12/23	3/2013										
	Surve	у Туре												V - Ves	sel Based										
С	onstruct	ion Activi	ty		ARM -	Armori	ng		Com	ments															
	т	ide									-			E	bb										
	Source	Location											100042900-000-000	Armoring	Operation	ns									
San Loca					Upcu	rrent (A	mbien	t)										Downcur	rent						
Distai Sou	nce to irce					Appro	x. 500 -	1000 f	t <sup>1</sup>						-3=511M01131 35=3				500 ft <sup>2</sup>	2					
Samı	ole ID					122	313-A26	3-E-U										12	2313-A26	3-E-D					
Sampl	e Time						8:57												9:13					107	
rotomoro	a a a a a a a a a a a a a a a a a a a	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)			L		(	ppb)						(ppm)						(ppb)					_
Detection	on Limit <sup>3</sup>	Ambient +	0.05					0.2	0.2	0.2	0.2		0.1	Ambient + 3	0.05					0.2	0.2	0.2	0.2	11	0.1
Water Stand		*	0.0007	8.2	5.6	8.0	66				-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-			16	0.0006
ssult*	s	23.6	ND	ND	3.7	ND	15	ND	ND	ND	ND	ND	ND	41.6	ND	ND	3.7	ND	15	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М		NS																NS						
Anal	В	28.4	ND	ND	3.8	ND	16	ND	ND	ND	ND	ND	ND	43.2	ND	ND	3.6	ND	15	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> 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

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.

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

	Surv	ey Date		Sec. 17 state to 2 a										12/23	3/2013										
	Surve	у Туре											(1	V - Vess	sel Based										
С	onstruct	ion Activi	ty		ARM -	Armori	ng		Comi	ments	***									12					
	Т	ide												Fle	ood										
	Source	Location												Armoring	Operation	ns									
San Loca	nple ation		•			Upcu	rrent (A	mbien	t)										Downcur	rent					
	nce to urce					Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samı	ple ID					122	313-A26	3-F-U										12	2313-A26	3-F-D					
Sampl	e Time				E		10:22												10:39	Œ					
Daramotor	מומומומ	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	0.05	-	-		-	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 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	s	31.2	ND	ND	3.6	ND	14	ND	ND	ND	ND	ND	ND	33.2	ND	ND	3.8	ND	16	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	M						NS												NS	1					
Analy	В	29.6	ND	ND	3.6	ND	17	ND	ND	ND	ND	ND	ND	98.8	ND	ND	3.4	ND	14	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
- -- 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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  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

- 11	Surv	ey Date												12/24	/2013						Andrews				
	Surve	у Туре												V - Vess	el Based										
С	onstruct	ion Activi	ity		ARM -	Armori	ng		Com	ments															
The second secon	Т	ide												E	bb										
	Source	Location												Armoring	Operation	ıs									
Sam Loca						Upcu	rrent (A	mbient	:)									Ų	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 fi	t <sup>1</sup>				e0						500 ft <sup>2</sup>	2					
Samp	ole ID					122	413-A26	3-E-U										12	2413-A26	3-E-D					
Sample	e Time						10:05					William Same							09:41						
Darameter	Sample Time  Darameter  Unit		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	on Limit <sup>3</sup>	Ambient + 100	0.05			1==		0.2	0.2	0.2	0.2		0.1	Ambient +	0.05					0.2	0.2	0.2	0.2	1,555	0.1
Water (		*	0.0007	8.2	5.6	8.0	66			-	( <del></del> )	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-		:	(**)	16	0.0006
ssult*	s	31.6	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	38.4	ND	ND	ND	ND	16	ND	ND	ND	ND	ND	ND
Analytical Result	М						NS												NS						
Anal	В	31.2	ND	ND	3.2	ND	15	ND	ND	ND	ND	ND	ND	36.4	ND	ND	3.3	ND	15	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
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  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surve	ey Date												12/26	5/2013										
Settle of Angle of State Hills	Surve	у Туре												V - Vess	sel Based				ti.						
С	onstruct	ion Activi	ity		ARM -	Armori	ng		Comi	ments															
	Т	ide								81				E	bb										
	Source	Location												Armoring	Operation	ns									
San Loca						Upcu	rrent (A	mbien	t)									I	Downcur	rent					
Distar Sou						Appro	x. 500 -	1000 f	t¹										500 ft <sup>2</sup>						
Samı	ole ID					122	613-A26	3-E-U										12:	2613-A26	3-E-D					
Sampl	e Time						11:06												10:46						
i	5	ended	5	_	<u>.</u>			42	84 P(		09	ene	yrene	ended	2	_	76			42	84 P(		09	lene	yrene
O stomers	4	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	0.05				-	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 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
esulf*	s	36.4	ND	ND	3.2	ND	ND	ND	ND	ND	ND	ND	ND	30.4	ND	ND	3.3	ND	ND	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	8.					NS								U				NS						
Analy	В	44.8	ND	ND	3.2	ND	ND	ND	ND	ND	ND	ND	ND	36.0	ND	ND	3.1	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
- -- 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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  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surv	ey Date												12/26	5/2013										
	Surve	у Туре												V - Ves	sel Basec	E									
С	onstruct	ion Activ	ity		ARM -	Armor	ing		Com	ments															
	Т	ide												FI	ood										
		Location												Armoring	Operation	ns									
300000000	nple ation					Upcu	rrent (A	mbien	t)									1	Downcur	rrent					
11	nce to urce					Appro	x. 500 -	1000 f	t¹										500 ft	2				(4)	
Sam	ple ID					122	613-A26	3-F-U										12	2613-A26	63-F-D					
Sampl	e Time	12:52																	12:29	)					
	PCB & & E										ne	per							P	СВ		0	ne		
200	raidillele	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	0.05				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
001000000000000000000000000000000000000	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
esulť	s	23.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	23.2	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analytical Resulf⁴	М	NS .																	NS						
Anal	В	32.4	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	23.2	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
- <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
- -- 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

	Surv	ey Date												12/27	7/2013										
	Surve	у Туре												V - Ves	sel Based										
С	onstruct	ion Activi	ity		ARM -	Armori	ng		Com	ments									(6)						
	: T	ide												Е	bb										
		Location											- 10	Armoring	Operation	ıs									
San Loca						Upcu	rrent (A	mbien	t)										Downcur	rent					
Distar Sou	nce to irce			20110-0010		Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft <sup>2</sup>	2					
Samp	ole ID					122	713-A26	3-E-U										12	2713-A26	3-E-D					
Sample	e Time				111.4.22		10:56												10:37						
rotomered	ralaliete	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)		-			(	(ppb)	-					(ppm)						(ppb)					
Detection	on Limit <sup>3</sup>	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 (		*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66				-	16	0.0006
esult	s	37.6	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND	36.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М	#				,	NS								16				NS						
Anal	В	44.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	47.6	ND	ND	ND	ND	11	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> 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

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.

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

	Surve	ey Date			- 1									12/27	7/2013										
	Surve	у Туре				Y								V - Vess	sel Based					8					
С	onstruct	ion Activi	ty		ARM -	Armori	ng		Comi	ments			5												
	Т	ide												400120	ood										
	Source	Location	3											Armoring	Operation	ns									
Sam Loca						Upcu	rrent (A	mbien	t)						.58			0	Downcur	rent					9.
Distar Sou						Appro	x. 500 -	1000 f	t <sup>1</sup>	n			g.						500 ft	2					
Samp	ole ID					122	713-A26	3-F-U										12	2713-A26	3-F-D					
Sample	e Time						13:55				*1								13:38						
Parameter		Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Naphthalene	Benzo(a)pyrene
Ur	nit	(ppm)				«	(	ppb)						(ppm)						(ppb)					
Detectio	n Limit³	0.05				2	0.2	0.2	0.2	0.2	1	0.1	Ambient + 100	0.05	1	1	1		0.2	0.2	0.2	0.2	1	0.1	
Water (		*	0.0007	8.2	5.6	8.0	66	1	1		1	16	0.0006	*	0.0007	8.2	5.6	8.0	66		-		-	16	0.0006
ssulf	S N																		NS						
Analytical Result⁴	М	241	ND	ND	4.3	ND	10	ND	ND	ND	ND	ND	ND	34.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analy	В						NS												NS						

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- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
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  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom

	Surv	ey Date												12/28	3/2013										
	Surve	у Туре											<u> </u>	V - Vess	sel Based										
C	onstruct	ion Activi	ty		ARM -	Armori	ing		Com	ments															
	Т	ide												E	bb										
		Location												Armoring	Operation	IS									
II .	nple ation					Upcu	rrent (A	mbien	t)	15									Downcur	rent					
1,000,010,000,000	nce to urce					Appro	ox. 500 -	1000 f	t <sup>1</sup>	*									500 ft <sup>2</sup>	2					
Samı	ple ID					122	813-A26	3-E-U										12	2813-A26	3-E-D					
Sampl	e Time						08:12												07:54			***			
	rarameter	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	0.05				-	0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	1	1	1		0.2	0.2	0.2	0.2	1	0.1
Water Stan	200000	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66	==				16	0.0006
esul <sup>‡</sup>	s	23.6	ND	ND	3.5	ND	ND	ND	ND	ND	ND	ND	ND	32.0	ND	ND	3.1	ND	14	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	30.0	ND	ND	3.3	ND	ND	ND	ND	ND	ND	ND	ND	56.8	ND	ND	3.3	ND	12	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
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	Surv	ey Date												12/28	3/2013										
	Surve	у Туре						S - S       -   -						V - Ves	sel Based	2									
С	onstruct	ion Activ	ity	1253/01/1255	ARM -	Armori	ing		Com	ments		(4231447,004)													
	Т	ide												F	ood										
	XX25000000000000	Location												Armoring	Operation	ıs									
	nple ation					Upcu	ırrent (A	mbien	t)										Downcur	rent					
	nce to irce					Appro	ox. 500 -	1000 f	t <sup>1</sup>									6	500 ft	2					
Samı	ple ID					122	813-A26	3-F-U										12	2813-A26	3-F-D			224		
Sampl	e Time						14:45								2. Company				14:32		20.000				
1000	al alletel	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 W	Aroclor 1260	Naphthalene	Benzo(a)pyrene
	<u> </u>	Total S S	Me	z	ŭ	_		Aroclo	Aroclo	Aroclo	Aroclo	Naph	Benzo	Total S S	Me	Z	ŏ	_	.,	Aroclo	Aroclo	Aroclo	Aroclo	Naph	Benzo
Uı	nit	(ppm)					0	(ppb)						(ppm)						(ppb)					
Detection	on Limit <sup>3</sup>	Ambient + 100	0.05		-	-		0.2	0.2	0.2	0.2		0.1	Ambient + 100	0.05	-	1	1	-	0.2	0.2	0.2	0.2	1	0.1
Water Stand	Quality dard <sup>3</sup>	*	0.0007	8.2	5.6	8.0	66					16	0.0006	*	0.0007	8.2	5.6	8.0	66		-	22		16	0.0006
esult⁴	s	44.0	ND	ND.	ND	ND	12	ND	ND	ND	ND	ND	ND	34.8	ND	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
Analytical Result⁴	М						NS												NS						
Anal	В	47.2	ND	ND	8.9	ND	11	ND	ND	ND	ND	ND	ND	38.0	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
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- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
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  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
  - <sup>5</sup> Upcurrent (ambient) concentration exceeds the Water Quality Standard, Downcurrent concentration is less than 30% over background.

	Surv	ey Date												12/30	0/2013						86				
	Surve	у Туре						//						V - Vess	sel Based										
С	onstruct	ion Activ	ity		ARM -	Armor	ing		Com	ments					10.79.2011										
	Т	ide												E	bb										
		Location												Armoring	Operation	าร								No. 100000000	
San Loca						Upcu	rrent (A	mbien	t)										Downcur	rent					, a
	nce to irce					Appro	x. 500 -	1000 f	t <sup>1</sup>										500 ft	2					
Samı	ole ID					123	013-A26	3-E-U	i L									12	3013-A26	3-E-D	9				
Sampl	e Time				//		12:30								<u>-</u>				12:07	\$					
		per							P	СВ		a)	ne	pel							P	СВ			Je L
rotomered		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	Unit Detection Limit <sup>3</sup>		0.05			-		0.2	0.2	0.2	0.2	1	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	-	1	-	1	16	0.0006	*	0.0007	8.2	5.6	8.0	66					16	0.0006
esulť	s	99.0	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND	46.0	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND
Analytical Resulf	М						NS												NS						
Anal	В	94.0	ND	ND	ND	ND	13	ND	ND	ND	ND	ND	ND	44.4	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
- <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
- -- 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.
  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom