

Survey Date		03/01/2017																							
Survey Type		B - Barge Based																							
Construction Activity		PR - Pile Removal					Comments					Pile Removal													
Tide		Flood																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 300 ft ¹											50 ft ²												
Sample ID		030117-PRRT-F-U											030117-PRRT-F-D												
Sample Time		09:46											09:17												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection 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 Quality Standard³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result⁴	S	NS											NS												
	M	34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B	NS											NS												

- Notes:
- ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
 - ² Samples collected as close to turbidity curtain as practicable
 - ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		03/02/2017																							
Survey Type		B - Barge Based																							
Construction Activity		PR - Pile Removal				Comments				Pile Removal (Jetting)															
Tide		Ebb																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 300 ft ¹											50 ft ²												
Sample ID		030217-PRRT-E-U											030217-PRRT-E-D												
Sample Time		09:36											09:12												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection 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 Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	NS											NS												
	M	42.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B	NS											NS												

Notes: ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected as close to turbidity curtain as practicable

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

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

-- No detection limit or water quality standard

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

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		03/03/2017																							
Survey Type		B - Barge Based																							
Construction Activity		PR - Pile Removal					Comments																		
Tide		Ebb																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 200 ft ¹											50 ft ²												
Sample ID		030317-PRRT-E-U											030317-PRRT-E-D												
Sample Time		10:39											09:08												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection 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 Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	NS											NS												
	M	45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	46.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B	NS											NS												

Notes: ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected as close to turbidity curtain as practicable

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

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

-- No detection limit or water quality standard

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

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		03/06/2017																							
Survey Type		B - Barge Based																							
Construction Activity		TSS - Rock Drilling				Comments		Turbidity observed during Rock Drilling																	
Tide		Ebb																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 300 ft ¹											25 ft ²												
Sample ID		030617-TURB-E-U											030617-TURB-E-D												
Sample Time		11:09											10:48												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection 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 Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	NS											NS												
	M	65	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	60.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	B	NS											NS												

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² Samples collected as close to turbidity curtain as practicable

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

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

-- No detection limit or water quality standard

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

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.

NR = Not Required for these parameters, pursuant to drilled shafts monitoring conditions in WQMP Rev 8.

Survey Date		03/06/2017																							
Survey Type		B - Barge Based																							
Construction Activity		DEC - Decanting				Comments				Decanting of Airlifting/Drilled Shaft Cuttings Barge															
Tide		Ebb																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 300 ft ¹											50 ft ²												
Sample ID		030617-DSDC-E-U											030617-DSDC-E-D												
Sample Time		10:18											09:44												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection 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 Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	NS											NS												
	M	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	51.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B	NS											NS												

Notes: ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected as close to turbidity curtain as practicable

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

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

-- No detection limit or water quality standard

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

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		03/07/2017																							
Survey Type		B - Barge Based																							
Construction Activity		TSS - Rock Drilling				Comments		Turbidity observed during Rock Drilling																	
Tide		Ebb																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 300 ft ¹											15 ft ²												
Sample ID		030717-TURB-E-U											030717-TURB-E-D												
Sample Time		10:50											10:35												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection 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 Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	NS											NS												
	M	36.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	79	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	B	NS											NS												

Notes: ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected as close to turbidity curtain as practicable

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

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

-- No detection limit or water quality standard

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

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.

NR = Not Required for these parameters, pursuant to drilled shafts monitoring conditions in WQMP Rev 8.

Survey Date		03/08/2017																							
Survey Type		B - Barge Based																							
Construction Activity		TSS - Rock Drilling				Comments		Turbidity observed during Rock Drilling																	
Tide		Ebb																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 300 ft ¹											15 ft ²												
Sample ID		030817-TURB-E-U											030817-TURB-E-D												
Sample Time		12:50											12:40												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection 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 Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	NS											NS												
	M	36.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	B	NS											NS												

Notes: ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected as close to turbidity curtain as practicable

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

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

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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.

NR = Not Required for these parameters, pursuant to drilled shafts monitoring conditions in WQMP Rev 8.

Survey Date		03/09/2017																							
Survey Type		B - Barge Based																							
Construction Activity		PR - Pile Removal					Comments																		
Tide		Flood																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 300 ft ¹											50 ft ²												
Sample ID		030917-PRRT-F-U											030917-PRRT-F-D												
Sample Time		09:04											09:29												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection 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 Quality Standard³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result⁴	S	NS											NS												
	M	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	39.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B	NS											NS												

- Notes:
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 - ² Samples collected as close to turbidity curtain as practicable
 - ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
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Survey Date		03/10/2017																							
Survey Type		B - Barge Based																							
Construction Activity		TSS - Rock Drilling				Comments		Turbidity Observed During Rock Drilling																	
Tide		Ebb																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 200 ft ¹											40 ft ²												
Sample ID		031017-TURB-E-U											031017-TURB-E-D												
Sample Time		14:07											14:00												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection 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 Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	NS											NS												
	M	58.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	48	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	B	NS											NS												

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² Samples collected as close to turbidity curtain as practicable

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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.

NR = Not Required for these parameters, pursuant to drilled shafts monitoring conditions in WQMP Rev 8.

Survey Date		03/11/2017																							
Survey Type		B - Barge Based																							
Construction Activity		DEC - Decanting					Comments																		
Tide		Flood																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 300 ft ¹											50 ft ²												
Sample ID		031117-DSDC-F-U											031117-DSDC-F-D												
Sample Time		07:15											07:03												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection 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 Quality Standard³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result⁴	S	NS											NS												
	M	47.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	118	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B	NS											NS												

- Notes:
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 - ² Samples collected as close to turbidity curtain as practicable
 - ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
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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.

Survey Date		03/13/2017																								
Survey Type		B - Barge Based																								
Construction Activity		PR - Pile Removal					Comments					Jetting/Torch Cutting														
Tide		Flood																								
Source Location		Rockland Trestle																								
Sample Location		Upcurrent (Ambient)											Downcurrent													
Distance to Source		Approx. 300 ft ¹											50 ft ²													
Sample ID		031317-PRRT-F-U											031317-PRRT-F-D													
Sample Time		11:22											11:05													
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit		(ppm)	(ppb)											(ppm)	(ppb)											
Detection 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 Quality Standard³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	
Analytical Result⁴	S	NS											NS													
	M	33.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	41.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B	NS											NS													

- Notes:
- ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
 - ² Samples collected as close to turbidity curtain as practicable
 - ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		03/16/2017																							
Survey Type		B - Barge Based																							
Construction Activity		PR - Pile Removal					Comments					Pile Removal (Cutting)													
Tide		Flood																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 300 ft ¹											50 ft ²												
Sample ID		031617-PRRT-F-U											031617-PRRT-F-D												
Sample Time		10:40											11:00												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection 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 Quality Standard³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result⁴	S	NS											NS												
	M	84.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	89.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B	NS											NS												

- Notes:
- ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
 - ² Samples collected as close to turbidity curtain as practicable
 - ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		03/17/2017																							
Survey Type		B - Barge Based																							
Construction Activity		PR - Pile Removal				Comments				Pile Removal (Cutting)															
Tide		Ebb																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 200 ft ¹											100 ft ²												
Sample ID		031717-PRRT-E-U											031717-PRRT-E-D												
Sample Time		10:25											10:04												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection 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 Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	NS											NS												
	M	46.3	ND	ND	ND	ND	12	ND	ND	ND	ND	ND	ND	45.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B	NS											NS												

Notes: ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected as close to turbidity curtain as practicable

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

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

-- No detection limit or water quality standard

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

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		03/17/2017																							
Survey Type		B - Barge Based																							
Construction Activity		TSS- Airlifting				Comments		Turbidity Observed outside curtain during Airlifting																	
Tide		Flood																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 300 ft ¹											10 ft ²												
Sample ID		031717-TURB-F-U											031717-TURB-F-D												
Sample Time		14:19											14:05												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)										(ppm)	(ppb)											
Detection 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 Quality Standard³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result⁴	S	NS											NS												
	M	41.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	B	NS											NS												

- Notes:
- ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
 - ² Samples collected as close to turbidity curtain as practicable
 - ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- 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.
NR = Not Required for these parameters, pursuant to drilled shafts monitoring conditions in WQMP Rev 8.

Survey Date		03/20/2017																							
Survey Type		B - Barge Based																							
Construction Activity		PR - Pile Removal				Comments				Pile Removal (Cutting)															
Tide		Ebb																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 300 ft ¹											100 ft ²												
Sample ID		032017-PRRT-E-U											032017-PRRT-E-D												
Sample Time		13:15											13:56												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit	(ppm)	(ppb)											(ppm)	(ppb)											
Detection 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 Quality Standard ³	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	
Analytical Result ⁴	S	NS											NS												
	M	73.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B	NS											NS												

Notes: ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected as close to turbidity curtain as practicable

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

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

-- No detection limit or water quality standard

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

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		03/21/2017																							
Survey Type		B - Barge Based																							
Construction Activity		PR - Pile Removal				Comments				Pile Removal (Jetting)															
Tide		Ebb																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 300 ft ¹											50 ft ²												
Sample ID		032117-PRRT-E-U											032117-PRRT-E-D												
Sample Time		10:04											09:40												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection 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 Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	NS											NS												
	M	18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	32.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B	NS											NS												

Notes: ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected as close to turbidity curtain as practicable

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

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

-- No detection limit or water quality standard

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

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		03/22/2017																							
Survey Type		B - Barge Based																							
Construction Activity		PR - Pile Removal				Comments		Pile Removal (Cutting) Extremely windy and rough in shallow water on upcurrent side.																	
Tide		Ebb																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 300 ft ¹											50 ft ²												
Sample ID		032217-PRRT-E-U											032217-PRRT-E-D												
Sample Time		10:08											09:30												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection 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 Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	NS											NS												
	M	463	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	49.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B	NS											NS												

Notes: ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected as close to turbidity curtain as practicable

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

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

-- No detection limit or water quality standard

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

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		03/23/2017																							
Survey Type		B - Barge Based																							
Construction Activity		PR - Pile Removal				Comments				Pile Removal (Jetting)															
Tide		Ebb																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 300 ft ¹											50 ft ²												
Sample ID		032317-PRRT-E-U											032317-PRRT-E-D												
Sample Time		10:20											09:41												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection 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 Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	NS											NS												
	M	136	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	47.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B	NS											NS												

Notes: ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected as close to turbidity curtain as practicable

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

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

-- No detection limit or water quality standard

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

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		03/23/2017																							
Survey Type		B - Barge Based																							
Construction Activity		TSS - Rock Drilling				Comments		Turbidity observed outside of turbidity curtains during rock drilling.																	
Tide		Ebb																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 250 ft ¹											25 ft ²												
Sample ID		032317-TURB-E-U											032317-TURB-E-D												
Sample Time		12:03											11:40												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(e)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection 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 Quality Standard ³		*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006	*	0.0007	8.2	5.6	8.0	66	--	--	--	--	16	0.0006
Analytical Result ⁴	S	NS											NS												
	M	135	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	119	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	B	NS											NS												

Notes: ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected as close to turbidity curtain as practicable

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

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

-- No detection limit or water quality standard

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

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.

NR = Not Required for these parameters, pursuant to drilled shafts monitoring conditions in WQMP Rev 8.

Survey Date		03/24/2017																							
Survey Type		B - Barge Based																							
Construction Activity		PR - Pile Removal					Comments			Pile Removal (Cutting)															
Tide		Flood																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 200 ft ¹											100 ft ²												
Sample ID		032417-PRRT-F-U											032417-PRRT-F-D												
Sample Time		09:46											10:16												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection 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 Quality Standard³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result⁴	S	NS											NS												
	M	28.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B	NS											NS												

- Notes:
- ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
 - ² Samples collected as close to turbidity curtain as practicable
 - ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		03/24/2017																							
Survey Type		B - Barge Based																							
Construction Activity		TSS - Rock Drilling				Comments				Turbidity observed outside of turbidity curtains during rock drilling															
Tide		Flood																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 300 ft ¹											5 ft ²												
Sample ID		032417-TURB-F-U											032417-TURB-F-D												
Sample Time		17:21											17:15												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection 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 Quality Standard³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result⁴	S	NS											NS												
	M	38.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	63.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	B	NS											NS												

- Notes:
- ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
 - ² Samples collected as close to turbidity curtain as practicable
 - ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- 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.
NR = Not Required for these parameters, pursuant to drilled shafts monitoring conditions in WQMP Rev 8.

Survey Date		03/27/2017																								
Survey Type		B - Barge Based																								
Construction Activity		PR - Pile Removal					Comments					Pile Removal (Cutting)														
Tide		Flood																								
Source Location		Rockland Trestle																								
Sample Location		Upcurrent (Ambient)											Downcurrent													
Distance to Source		Approx. 300 ft ¹											50 ft ²													
Sample ID		032717-PRRT-F-U											032717-PRRT-F-D													
Sample Time		11:06											10:45													
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit		(ppm)	(ppb)											(ppm)	(ppb)											
Detection 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 Quality Standard³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	
Analytical Result⁴	S	NS											NS													
	M	28.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	34.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B	NS											NS													

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 - ² Samples collected as close to turbidity curtain as practicable
 - ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		03/28/2017																								
Survey Type		B - Barge Based																								
Construction Activity		PR - Pile Removal					Comments					Pile Removal (Cutting)														
Tide		Flood																								
Source Location		Rockland Trestle																								
Sample Location		Upcurrent (Ambient)											Downcurrent													
Distance to Source		Approx. 300 ft ¹											100 ft ²													
Sample ID		032817-PRRT-F-U											032817-PRRT-F-D													
Sample Time		12:15											11:45													
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit		(ppm)	(ppb)											(ppm)	(ppb)											
Detection 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 Quality Standard³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	
Analytical Result⁴	S	NS											NS													
	M	30.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	40.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B	NS											NS													

- Notes:
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 - ² Samples collected as close to turbidity curtain as practicable
 - ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		03/29/2017																								
Survey Type		B - Barge Based																								
Construction Activity		PR - Pile Removal					Comments					Pile Removal (Cutting)														
Tide		Flood																								
Source Location		Rockland Trestle																								
Sample Location		Upcurrent (Ambient)											Downcurrent													
Distance to Source		Approx. 300 ft ¹											50 ft ²													
Sample ID		032917-PRRT-F-U											032917-PRRT-F-D													
Sample Time		09:32											10:34													
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene		
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260				
Unit		(ppm)	(ppb)											(ppm)	(ppb)											
Detection 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 Quality Standard³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	
Analytical Result⁴	S	NS											NS													
	M	47.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	57.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B	NS											NS													

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 - ² Samples collected as close to turbidity curtain as practicable
 - ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		03/29/2017																							
Survey Type		B - Barge Based																							
Construction Activity		DEC - Decanting				Comments				Drill cuttings/airlift scow at Rockland Trestle															
Tide		Flood																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 350 ft ¹											40 ft ²												
Sample ID		032917-DSDC-F-U											032917-DSDC-F-D												
Sample Time		12:40											12:03												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection 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 Quality Standard³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result⁴	S	NS											NS												
	M	38	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	38.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B	NS											NS												

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 - ² Samples collected as close to turbidity curtain as practicable
 - ³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
 - ⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom
 - No detection limit or water quality standard
 - * None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		03/30/2017																							
Survey Type		B - Barge Based																							
Construction Activity		PR - Pile Removal					Comments					Pile Removal (Cutting)													
Tide		Flood																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 300 ft ¹											50 ft ²												
Sample ID		033017-PRRT-F-U											033017-PRRT-F-D												
Sample Time		12:56											13:21												
Parameter	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	Total Suspended Solids	Mercury	Nickel	Copper	Lead	Zinc	PCB				Naphthalene	Benzo(a)pyrene	
							Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260									Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260			
Unit		(ppm)	(ppb)											(ppm)	(ppb)										
Detection 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 Quality Standard³		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
Analytical Result⁴	S	NS											NS												
	M	36.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	32.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B	NS											NS												

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 - ² Samples collected as close to turbidity curtain as practicable
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- ND = Not Detected
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