

Survey Date		04/05/2017																							
Survey Type		B - Barge Based																							
Construction Activity		DEC - Decanting				Comments				Rock Drilling/ Airlift Barge															
Tide		Ebb																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 400 ft <sup>1</sup>											50 ft <sup>2</sup>												
Sample ID		040517-DSDC-E-U											040517-DSDC-E-D												
Sample Time		09:56											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 <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 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
Analytical Result <sup>4</sup>	S	NS											NS												
	M	22.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	19	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B	NS											NS												

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

<sup>2</sup> Samples collected as close to turbidity curtain as practicable

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

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

-- No detection limit or water quality standard

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

ND = Not Detected

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

Survey Date		04/05/2017																							
Survey Type		B - Barge Based																							
Construction Activity		PR - Pile Removal				Comments				Pile Removal (Anchor Handler)															
Tide		Ebb																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 300 ft <sup>1</sup>											50 ft <sup>2</sup>												
Sample ID		040517-PRRT-E-U											040517-PRRT-E-D												
Sample Time		13:07											13:36												
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 <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 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
Analytical Result <sup>4</sup>	S	NS											NS												
	M	36.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36.5	ND	ND	ND	ND	62	ND	ND	ND	ND	ND	ND
	B	NS											NS												

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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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<b>Survey Date</b>		04/11/2017																							
<b>Survey Type</b>		B - Barge Based																							
<b>Construction Activity</b>		DEC - Decanting					<b>Comments</b>					Rock Drilling/Airlift Barge													
<b>Tide</b>		Flood																							
<b>Source Location</b>		Rockland Trestle																							
<b>Sample Location</b>		<b>Upcurrent (Ambient)</b>											<b>Downcurrent</b>												
<b>Distance to Source</b>		Approx. 300 ft <sup>1</sup>											50 ft <sup>2</sup>												
<b>Sample ID</b>		041117-DSDC-F-U											041117-DSDC-F-D												
<b>Sample Time</b>		08:30											08:01												
<b>Parameter</b>	<b>Total Suspended Solids</b>	<b>Mercury</b>	<b>Nickel</b>	<b>Copper</b>	<b>Lead</b>	<b>Zinc</b>	<b>PCB</b>				<b>Naphthalene</b>	<b>Benzo(a)pyrene</b>	<b>Total Suspended Solids</b>	<b>Mercury</b>	<b>Nickel</b>	<b>Copper</b>	<b>Lead</b>	<b>Zinc</b>	<b>PCB</b>				<b>Naphthalene</b>	<b>Benzo(a)pyrene</b>	
							<b>Aroclor 1242</b>	<b>Aroclor 1248</b>	<b>Aroclor 1254</b>	<b>Aroclor 1260</b>									<b>Aroclor 1242</b>	<b>Aroclor 1248</b>	<b>Aroclor 1254</b>	<b>Aroclor 1260</b>			
<b>Unit</b>		<b>(ppm)</b>	<b>(ppb)</b>											<b>(ppm)</b>	<b>(ppb)</b>										
<b>Detection Limit<sup>3</sup></b>		<b>Ambient + 100</b>	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1	<b>Ambient + 100</b>	0.05	-	-	-	-	0.2	0.2	0.2	0.2	-	0.1
<b>Water Quality Standard<sup>3</sup></b>		*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006	*	0.0007	8.2	5.6	8.0	66	-	-	-	-	16	0.0006
<b>Analytical Result<sup>4</sup></b>	<b>S</b>	NS											NS												
	<b>M</b>	60	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>B</b>	NS											NS												

- Notes:
- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
  - <sup>2</sup> Samples collected as close to turbidity curtain as practicable
  - <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
  - No detection limit or water quality standard
  - \* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- ND = Not Detected
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Survey Date		04/11/2017																							
Survey Type		B - Barge Based																							
Construction Activity		PR - Pile Removal				Comments				Pile Removal (Anchor Handler)															
Tide		Ebb																							
Source Location		Rockland Trestle																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 300 ft <sup>1</sup>											50 ft <sup>2</sup>												
Sample ID		041117-PRRT-E-U											041117-PRRT-E-D												
Sample Time		15:55											15:00												
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 <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 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
Analytical Result <sup>4</sup>	S	NS											NS												
	M	44.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	214	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	B	NS											NS												

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<sup>2</sup> Samples collected as close to turbidity curtain as practicable

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

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Reported value exceeds the Water Quality Standard as stated in Condition 61 of NYSDEC Permit Facility ID 3-9903-00043/00012-14

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