

Survey Date		06/03/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		TIPC - Timber Pile Cap Foundation Removal					Comments																		
Tide		Flood																							
Source Location		B103																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
Sample ID		060319-TIPC-F-U											060319-TIPC-F-D												
Sample Time		9:45											09:34												
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 Limit <sup>3</sup>		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1
Water 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	53.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	40.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	NS											NS												
	B	40.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	43	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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 at the edge of the 500 ft mixing zone

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

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

-- No detection limit or water quality standard

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

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, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		06/04/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		DBRI - Debris Removal					Comments																		
Tide		Flood																							
Source Location		B166																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
Sample ID		060419-DBRI-F-U											060419-DBRI-F-D												
Sample Time		8:57											08:47												
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 Limit <sup>3</sup>		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1
Water 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	24.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	31.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
		M	NS											NS											
		B	35	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	36.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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 at the edge of the 500 ft mixing zone

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

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

-- No detection limit or water quality standard

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

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, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		06/04/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		TIPC - Timber Pile Cap Foundation Removal					Comments																		
Tide		Flood																							
Source Location		B106																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
Sample ID		060419-TIPC-F-U											060419-TIPC-F-D												
Sample Time		11:48											11:33												
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 Limit <sup>3</sup>		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1
Water 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	26	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	41.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	NS											NS												
	B	44.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	46.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

- 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 at the edge of the 500 ft mixing zone
  - <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
  - No detection limit or water quality standard
  - \* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- 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, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		06/05/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		JETT - Jetting					Comments																		
Tide		Flood																							
Source Location		B175																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
Sample ID		060519-JETT-F-U											060519-JETT-F-D												
Sample Time		10:31											10:15												
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 Limit <sup>3</sup>		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1
Water 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	22.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	32	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	33.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	37.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	B	71.2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	30.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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 at the edge of the 500 ft mixing zone

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

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

-- No detection limit or water quality standard

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

NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		06/06/2019																						
Survey Type		V - Vessel Based																						
Construction Activity		JETT - Jetting				Comments																		
Tide		Ebb																						
Source Location		B175																						
Sample Location		Upcurrent (Ambient)											Downcurrent											
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>											
Sample ID		060619-JETT-E-U											060619-JETT-E-D											
Sample Time		9:21											09:07											
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 Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1
Water 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	25	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	45.6	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	47.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	74.4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	B	80.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	76.4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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 at the edge of the 500 ft mixing zone

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

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

-- No detection limit or water quality standard

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

NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		06/10/2019																						
Survey Type		V - Vessel Based																						
Construction Activity		JETT - Jetting				Comments																		
Tide		Ebb																						
Source Location		B175																						
Sample Location		Upcurrent (Ambient)											Downcurrent											
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>											
Sample ID		061019-JETT-E-U											061019-JETT-E-D											
Sample Time		12:23											12:09											
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 Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1
Water 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	14.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	21.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	40	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	34.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	B	59.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	67	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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 at the edge of the 500 ft mixing zone

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

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

-- No detection limit or water quality standard

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

NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		06/10/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		SIDI - Silt Displacement				Comments																			
Tide		Ebb																							
Source Location		B178																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
Sample ID		061019-SIDI-E-U											061019-SIDI-E-D												
Sample Time		9:27											09:16												
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 Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	
Water 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	14	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	13.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	NS											NS												
	B	32.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	32	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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 at the edge of the 500 ft mixing zone

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

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

-- No detection limit or water quality standard

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

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, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		06/11/2019																						
Survey Type		V - Vessel Based																						
Construction Activity		SIDI - Silt Displacement				Comments																		
Tide		Ebb																						
Source Location		B178																						
Sample Location		Upcurrent (Ambient)											Downcurrent											
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>											
Sample ID		061119-SIDI-E-U											061119-SIDI-E-D											
Sample Time		11:34											11:17											
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 Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1
Water 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	46.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	60.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	65.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	63	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	B	177	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	58.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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 at the edge of the 500 ft mixing zone

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

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

-- No detection limit or water quality standard

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

NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.



Survey Date		06/11/2019																						
Survey Type		V - Vessel Based																						
Construction Activity		JETT - Jetting				Comments																		
Tide		Ebb																						
Source Location		B178																						
Sample Location		Upcurrent (Ambient)											Downcurrent											
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>											
Sample ID		061119-JETT-E-U											061119-JETT-E-D											
Sample Time		10:20											10:05											
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 Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1
Water 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	22.2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	17	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	22.6	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	24.2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	B	33.2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	45	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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 at the edge of the 500 ft mixing zone

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

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

-- No detection limit or water quality standard

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

NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		06/17/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		JETT - Jetting					Comments																		
Tide		Flood																							
Source Location		B178																							
Sample Location	Upcurrent (Ambient)												Downcurrent												
Distance to Source	Approx. 500 - 1000 ft <sup>1</sup>												500 ft <sup>2</sup>												
Sample ID	061719-JETT-F-U												061719-JETT-F-D												
Sample Time	9:31												09:21												
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 Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	
Water 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	19.6	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	18.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	
	M	NS												NS											
	B	35	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	23.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	

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 at the edge of the 500 ft mixing zone

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

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

-- No detection limit or water quality standard

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

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, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		06/17/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		DBRI - Debris Removal				Comments																			
Tide		Flood																							
Source Location		B176																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
Sample ID		061719-DBRI-F-U											061719-DBRI-F-D												
Sample Time		9:53											09:41												
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 Limit <sup>3</sup>		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1
Water 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	22.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	26.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	23.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	41.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	B	47.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	49.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

- 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 at the edge of the 500 ft mixing zone
  - <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
  - No detection limit or water quality standard
  - \* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		06/18/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		DBRI - Debris Removal					Comments																		
Tide		Flood																							
Source Location		B176																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
Sample ID		061819-DBRI-F-U											061819-DBRI-F-D												
Sample Time		10:00											09:46												
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 Limit <sup>3</sup>		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1
Water 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	19	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	22.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	24	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	26.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	B	34.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	36.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

- 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 at the edge of the 500 ft mixing zone
  - <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
  - No detection limit or water quality standard
  - \* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		06/18/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		JETT - Jetting					Comments																		
Tide		Flood																							
Source Location		B178																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
Sample ID		061819-JETT-F-U											061819-JETT-F-D												
Sample Time		14:05											13:53												
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 Limit <sup>3</sup>		Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	-	0.1
Water 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	14.4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	13.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	NS											NS												
	B	18.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	24.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

- Notes:
- <sup>1</sup> Samples collected at a location up current away from the activity due to the tide changing after the downcurrent samples were collected. The location was still where the water quality effects of the project were no longer discernible
  - <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
  - <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
  - <sup>4</sup> S = Near Surface, M = Mid-Depth, B = Near Bottom
  - No detection limit or water quality standard
  - \* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages
- 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, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		06/24/2019																						
Survey Type		V - Vessel Based																						
Construction Activity		TIPC - Timber Pile Cap Foundation Removal				Comments																		
Tide		Ebb																						
Source Location		B112																						
Sample Location	Upcurrent (Ambient)											Downcurrent												
Distance to Source	Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
Sample ID	062419-TIPC-E-U											062419-TIPC-E-D												
Sample Time	09:12											09:00												
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 Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1
Water 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	17.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	29	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	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 at the edge of the 500 ft mixing zone

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

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

-- No detection limit or water quality standard

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

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, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		06/25/2019																							
Survey Type		V - Vessel Based																							
Construction Activity		JETT - Jetting				Comments																			
Tide		Ebb																							
Source Location		B175																							
Sample Location		Upcurrent (Ambient)											Downcurrent												
Distance to Source		Approx. 500 - 1000 ft <sup>1</sup>											500 ft <sup>2</sup>												
Sample ID		062519-JETT-E-U											062519-JETT-E-D												
Sample Time		10:01											09:46												
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 Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	
Water 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	11.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	6	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	38.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	19.2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	B	22.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	36.3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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 at the edge of the 500 ft mixing zone

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

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

-- No detection limit or water quality standard

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

NR = Not Required for these parameters, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

Survey Date		06/25/2019																						
Survey Type		V - Vessel Based																						
Construction Activity		TIPC - Timber Pile Cap Foundation Removal				Comments																		
Tide		Ebb																						
Source Location		B113																						
Sample Location	Upcurrent (Ambient)												Downcurrent											
Distance to Source	Approx. 500 - 1000 ft <sup>1</sup>												500 ft <sup>2</sup>											
Sample ID	062519-TIPC-E-U												062519-TIPC-E-D											
Sample Time	10:52												10:41											
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
Unit	(ppm)	(ppb)											(ppm)	(ppb)										
Detection Limit <sup>3</sup>	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1	Ambient + 100	0.07	3.7	2.6	1.8	5.6	0.2	0.2	0.2	0.2	--	0.1
Water 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	16	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	15	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
	M	NS												NS										
	B	20.5	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	12.8	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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 at the edge of the 500 ft mixing zone

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

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

-- No detection limit or water quality standard

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

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, due to approval of reduced monitoring as of 2/14/2019, pursuant to Condition 64 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.