|                        | Surv     | ey Date                   |          |         |        |       |          |              |              |              |              |             |                | 11/01                     | 1/2018  |        |           |        |                     |              |              |              |              |             |                |
|------------------------|----------|---------------------------|----------|---------|--------|-------|----------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|---------|--------|-----------|--------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                        |          |                           |          |         |        |       |          |              |              |              | V - Vess     | sel Based   |                |                           |         |        |           |        |                     |              |              |              |              |             |                |
| Co                     | onstruct | SIDI                      | - Silt [ | Displac | ement  |       | Com      | ments        |              |              |              |             | Sam            | e Upcı                    | urrent  | Sampl  | e as Debr | is Rec | overy               |              |              |              |              |             |                |
|                        | Т        | ide                       |          |         |        |       |          |              |              |              | •            |             | Е              | bb                        |         |        |           |        |                     |              |              |              |              |             |                |
| Source Location Sample |          |                           |          |         |        |       |          |              |              |              |              |             |                | B <sup>,</sup>            | 173     |        |           |        |                     |              |              |              |              |             |                |
| Sample<br>Location     |          |                           |          |         |        | Upcu  | rrent (A | mbien        | t)           |              |              |             |                |                           |         |        |           | I      | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Sou          |          |                           |          |         |        | Appro | x. 500 - | 1000 f       | t¹           |              |              |             |                |                           |         |        |           |        | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                   | le ID    |                           |          |         |        | 1101  | 118-DB   | RI-E-U       | I            |              |              |             |                |                           |         |        |           | 11     | 0118-SIE            | I-E-D        |              |              |              |             |                |
| Sample                 | Time     |                           |          |         |        |       | 10:12    |              |              |              |              |             |                |                           |         |        |           |        | 09:38               |              |              |              |              |             |                |
|                        |          | pə                        |          |         |        |       |          |              | P            | СВ           |              |             | _ e            | pə                        |         |        |           |        |                     |              | PC           | СВ           |              | _           |                |
| Parameter              |          | Total Suspended<br>Solids | Mercury  | Nickel  | Copper | Lead  | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury | Nickel | Copper    | Lead   | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                     | it       | (ppm)                     |          |         |        |       | (        | ppb)         |              |              |              |             | •              | (ppm)                     |         |        |           |        | (                   | ppb)         | •            |              |              |             | •              |
| Detec<br>Lim           |          | Ambient +<br>100          | 0.07     | 3.7     | 2.6    | 1.8   | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07    | 3.7    | 2.6       | 1.8    | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water 0                |          | *                         | 0.0007   | 8.2     | 5.6    | 8.0   | 66       |              |              |              |              | 16          | 0.0006         | *                         | 0.0007  | 8.2    | 5.6       | 8.0    | 66                  |              |              |              |              | 16          | 0.0006         |
| sult4                  | s        |                           |          |         |        |       |          |              |              |              | 17.5         | ND          | ND             | ND                        | ND      | ND     | ND        | ND     | ND                  | ND           | ND           | ND           |              |             |                |
| M 26.8 ND  B 51 ND     |          |                           |          |         | ND     | ND    | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 19.8                      | ND      | ND     | ND        | ND     | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                  | В        | 51                        | ND       | ND      | ND     | ND    | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 29                        | ND      | ND     | ND        | ND     | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                             | Surv     | ey Date                   |         |          |         |       |          |              |              |              |              |             |                | 11/01                     | 1/2018    |        |        |      |                     |              |              |              |              |             |                |
|-----------------------------|----------|---------------------------|---------|----------|---------|-------|----------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                             | Surve    | у Туре                    |         |          |         |       |          |              |              |              |              |             |                | V - Vess                  | sel Based |        |        |      |                     |              |              |              |              |             |                |
| Co                          | onstruct | ion Activ                 | DBF     | RI - Del | bris Re | moval |          | Com          | ments        |              |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
|                             | Т        | ide                       |         |          |         | •     |          |              |              |              |              | Е           | bb             |                           |           |        |        |      |                     |              |              |              |              |             |                |
| Tide Source Location Sample |          |                           |         |          |         |       |          |              |              |              |              |             |                | B <sup>,</sup>            | 175       |        |        |      |                     |              |              |              |              |             |                |
| Loca                        | tion     |                           |         |          |         | Upcu  | rrent (A | mbien        | t)           |              |              |             |                |                           |           |        |        | I    | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Sou               |          |                           |         |          |         | Appro | x. 500 - | 1000 f       | t¹           |              |              |             |                |                           |           |        |        |      | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                        | le ID    |                           |         |          |         | 110   | 118-DBF  | RI-E-U       |              |              |              |             |                |                           |           |        |        | 11   | 0118-DBF            | RI-E-D       |              |              |              |             |                |
| Sample                      | Time     |                           |         |          |         |       | 10:12    |              |              |              |              |             |                |                           |           |        |        |      | 09:51               |              |              |              |              |             |                |
|                             |          | pə                        |         |          |         |       |          |              | P            | СВ           |              |             | _ e            | pə                        |           |        |        |      |                     |              | PO           | СВ           |              |             | Эe             |
| Parameter                   |          | Total Suspended<br>Solids | Mercury | Nickel   | Copper  | Lead  | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                          | it       | (ppm)                     |         |          |         |       | (        | ppb)         |              |              |              |             |                | (ppm)                     |           |        |        |      | (                   | ppb)         | •            |              |              |             |                |
| Detec<br>Lim                |          | Ambient +<br>100          | 0.07    | 3.7      | 2.6     | 1.8   | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water 0                     |          | *                         | 0.0007  | 8.2      | 5.6     | 8.0   | 66       |              |              |              |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66                  |              |              |              |              | 16          | 0.0006         |
| sult4                       | s        | 13                        | ND      | ND       | ND      | ND    | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 13.3                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| M 26.8 ND  B 51 ND          |          |                           |         |          | ND      | ND    | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 18.3                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                       | В        | 51                        | ND      | ND       | ND      | ND    | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 24                        | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                    | Surv    | ey Date                   |                                    |                 |                               |                   |       |              |              |              |              |             |                | 11/01                     | 1/2018    |        |        |                     |          |              |              |              |              |             |                |
|--------------------|---------|---------------------------|------------------------------------|-----------------|-------------------------------|-------------------|-------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|---------------------|----------|--------------|--------------|--------------|--------------|-------------|----------------|
|                    | Surve   | у Туре                    |                                    |                 |                               |                   |       |              |              |              |              |             |                | V - Vess                  | sel Based |        |        |                     |          |              |              |              |              |             |                |
| Co                 | nstruct | ion Activ                 | ity                                |                 |                               | nber Pi<br>on Ren |       |              | Comi         | ments        |              |             |                |                           |           |        |        |                     |          |              |              |              |              |             |                |
|                    | Т       | ide                       |                                    |                 |                               |                   |       |              |              |              |              |             |                | E                         | bb        |        |        |                     |          |              |              |              |              |             |                |
|                    |         | Location                  |                                    |                 |                               |                   |       |              |              |              |              |             |                | В                         | 101       |        |        |                     |          |              |              |              |              |             |                |
| Sam<br>Loca        | tion    |                           | Upcurrent (Ambient)                |                 |                               |                   |       |              |              |              |              |             |                |                           |           |        |        | ı                   | Downcur  | rent         |              |              |              |             |                |
| Distan<br>Soui     |         |                           | Approx. 500 - 1000 ft <sup>1</sup> |                 |                               |                   |       |              |              |              |              |             |                |                           |           |        |        | 500 ft <sup>2</sup> | !        |              |              |              |              |             |                |
| Samp               | le ID   |                           |                                    | 110118-TIPC-E-U |                               |                   |       |              |              |              |              |             |                |                           |           |        |        | 11                  | 0118-TIP | C-E-D        |              |              |              |             |                |
| Sample             | Time    |                           |                                    |                 |                               |                   | 10:46 |              |              |              |              |             |                |                           |           |        |        |                     | 10:33    |              |              |              |              |             |                |
|                    |         | pel                       |                                    |                 |                               |                   |       |              | P            | СВ           |              |             | Je J           | pə                        |           |        |        |                     |          |              | PC           | В            |              |             | l e            |
| Parameter          |         | Total Suspended<br>Solids | Mercury                            | Nickel          | Copper                        | Lead              | Zinc  | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead                | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                 | it      | (ppm)                     |                                    | •               | •                             |                   | (     | ppb)         | •            | •            | •            | •           | •              | (ppm)                     |           | •      |        | •                   | (        | ppb)         |              |              |              |             | •              |
| Detec<br>Lim       |         | Ambient +<br>100          | 0.07                               | 3.7             | 2.6                           | 1.8               | 5.6   | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8                 | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          | 1           | 0.1            |
| Water C<br>Stand   |         | *                         | 0.0007                             | 8.2             | 5.6                           | 8.0               | 66    |              |              | -            |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0                 | 66       | -            | 1            | 1            | 1            | 16          | 0.0006         |
| esult4             | s       | 28                        | ND                                 | ND              | ND |                   |       |              |              |              |              |             |                |                           | ND        | ND     | ND     | ND                  | ND       | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result⁴ | М       |                           | NS                                 |                 |                               |                   |       |              |              |              |              |             |                |                           |           |        |        |                     | NS       |              |              |              |              |             |                |
| Anal               | В       | 31                        | ND                                 |                 |                               |                   |       |              |              |              |              |             |                |                           |           | ND     | ND     | ND                  | ND       | ND           | ND           | ND           | ND           | ND          | ND             |

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <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
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

|                       | Surve | ey Date                   |         |        |          |         |          |              |                |              |              |             |                | 11/02                     | 2/2018    |        |        |      |           |              |              |              |              |             |                |
|-----------------------|-------|---------------------------|---------|--------|----------|---------|----------|--------------|----------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|-----------|--------------|--------------|--------------|--------------|-------------|----------------|
|                       | Surve | у Туре                    |         |        |          |         |          |              |                |              |              |             |                | V - Vess                  | sel Based |        |        |      |           |              |              |              |              |             |                |
| Construction Activity |       |                           |         |        | - Silt [ | Displac | ement    |              | Comi           | nents        |              |             |                |                           |           |        |        |      |           |              |              |              |              |             |                |
| Tide Source Location  |       |                           |         |        |          |         |          | •            |                |              |              |             |                | E                         | bb        |        |        |      |           |              |              |              |              |             |                |
| Sample                |       |                           |         |        |          |         |          |              |                |              |              |             |                | В                         | 173       |        |        |      |           |              |              |              |              |             |                |
| Location              |       |                           |         |        |          | Upcu    | rrent (A | mbien        | t)             |              |              |             |                |                           |           |        |        | I    | Downcur   | rent         |              |              |              |             |                |
| Distan<br>Sou         |       |                           |         |        |          | Appro   | x. 500 - | 1000 f       | t <sup>1</sup> |              |              |             |                |                           |           |        |        |      | 500 ft    | 2            |              |              |              |             |                |
| Samp                  | le ID |                           |         |        |          | 110     | 218-SID  | I-E-U        |                |              |              |             |                |                           |           |        |        | 11   | 10218-SIE | I-E-D        |              |              |              |             |                |
| Sample                | Time  |                           |         |        |          |         | 09:15    |              |                |              |              |             |                |                           |           |        |        |      | 08:58     |              |              |              |              |             |                |
|                       |       | pə                        |         |        |          |         |          |              | P              | В            |              |             |                | pə                        |           |        |        |      |           |              | P            | СВ           |              | _           |                |
| Parameter             |       | Total Suspended<br>Solids | Mercury | Nickel | Copper   | Lead    | Zinc     | Aroclor 1242 | Aroclor 1248   | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc      | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                    | it    | (ppm)                     |         |        |          |         | (        | ppb)         |                |              |              | •           |                | (ppm)                     |           | •      |        |      |           | (ppb)        | •            | •            | •            |             | •              |
| Detec<br>Lim          |       | Ambient +<br>100          | 0.07    | 3.7    | 2.6      | 1.8     | 5.6      | 0.2          | 0.2            | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6       | 0.2          | 0.2          | 0.2          | 0.2          | -           | 0.1            |
| Water C               |       | *                         | 0.0007  | 8.2    | 5.6      | 8.0     | 66       |              | -              | -            |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66        |              |              |              |              | 16          | 0.0006         |
| sult4                 | s     | 12.5                      | ND      | ND     | ND       | ND      | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 19                        | ND        | ND     | ND     | ND   | ND        | ND           | ND           | ND           | ND           | ND          | ND             |
| S   12.5   ND         |       |                           |         | ND     | ND       | ND      | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 23.7                      | ND        | ND     | ND     | ND   | ND        | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                 | В     | 26.5                      | ND      | ND     | ND       | ND      | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 30.8                      | ND        | ND     | ND     | ND   | ND        | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

|  | Surv     | ey Date                                       |          |         |        |       |          |              |              |              |              |             |                | 11/02                     | 2/2018    |        |             |        |                     |              |              |              |              |             |                |
|--|----------|---|----------|---------|--------|-------|----------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|-------------|--------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
| Survey Date Survey Type                    |          |   |          |         |        |       |          |              |              |              |              |             |                | V - Vess                  | sel Based |        |             |        |                     |              |              |              |              |             |                |
| Co   | onstruct | DBF   | RI - Del | bris Re | moval  |       | Com      | ments        |              |              |              |             | Sam            | e Upcı                    | rrent S   | Sample | e as Silt D | isplac | ement               |              |              |              |              |             |                |
| Construction Activity Tide Source Location |          |   |          |         |        |       |          | •            |              |              |              |             |                | Е                         | bb        |        |             |        |                     |              |              |              |              |             |                |
| Source Location Sample                     |          |   |          |         |        |       |          |              |              |              |              |             |                | B                         | 175       |        |             |        |                     |              |              |              |              |             |                |
|  |          |   |          |         |        | Upcu  | rrent (A | mbien        | t)           |              |              |             |                |                           |           |        |             | I      | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Sou                              |          |   |          |         |        | Appro | x. 500 - | 1000 f       | t¹           |              |              |             |                |                           |           |        |             |        | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                                       | le ID    |   |          |         |        | 110   | 218-SIE  | I-E-U        |              |              |              |             |                |                           |           |        |             | 11     | 0218-DBI            | RI-E-D       |              |              |              |             |                |
| Sample                                     | Time     |   |          |         |        |       | 09:15    |              |              |              |              |             |                |                           |           |        |             |        | 08:45               |              |              |              |              |             |                |
|  |          | pə  |          |         |        |       |          |              | P            | СВ           |              |             |                | pə                        |           |        |             |        |                     |              | PC           | СВ           |              | _           |                |
| Parameter                                  |          | Total Suspended<br>Solids                     | Mercury  | Nickel  | Copper | Lead  | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper      | Lead   | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un   | it       | (ppm)   |          |         |        |       | (        | ppb)         |              |              |              |             |                | (ppm)                     |           |        |             |        | . (                 | ppb)         |              |              |              |             | •              |
| Detec<br>Lim                               |          | Ambient +<br>100                              | 0.07     | 3.7     | 2.6    | 1.8   | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6         | 1.8    | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          | -           | 0.1            |
| Water (                                    |          | *   | 0.0007   | 8.2     | 5.6    | 8.0   | 66       |              |              |              |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6         | 8.0    | 66                  |              |              |              |              | 16          | 0.0006         |
| sult4                                      | s        | S 12.5 ND |          |         |        |       |          |              |              | ND           | 18.3         | ND          | ND             | ND                        | ND        | ND     | ND          | ND     | ND                  | ND           | ND           | ND           |              |             |                |
| M 19.8 ND  B 26.5 ND                       |          |   |          | ND      | ND     | ND    | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 19                        | ND        | ND     | ND          | ND     | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                                      | В        | 26.5  | ND       | ND      | ND     | ND    | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 43.5                      | ND        | ND     | ND          | ND     | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                    | Surve    | ey Date  |                                    |                 |        |      |       |              |              |              |              |             |                | 11/02                     | 2/2018    |        |        |      |                     |              |              |              |              |             |                |
|--------------------|----------|--|------------------------------------|-----------------|--------|------|-------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                    | Surve    | у Туре   |                                    |                 |        |      |       |              |              |              |              |             |                | V - Vess                  | sel Based | l      |        |      |                     |              |              |              |              |             |                |
| Co                 | nstructi | ion Activity  TIPC - Timber Pile Cap Foundation Removal  Comments  ide |                                    |                 |        |      |       |              |              |              |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
|                    | Ti       | ide  |                                    |                 |        |      |       |              |              |              |              |             |                | E                         | bb        |        |        |      |                     |              |              |              |              |             |                |
|                    |          | Location   |                                    |                 |        |      |       |              |              |              |              |             |                | В                         | 102       |        |        |      |                     |              |              |              |              |             |                |
| Sam<br>Locat       |          |  | Upcurrent (Ambient)                |                 |        |      |       |              |              |              |              |             |                |                           |           |        |        | i    | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Soui     |          |  | Approx. 500 - 1000 ft <sup>1</sup> |                 |        |      |       |              |              |              |              |             |                |                           |           |        |        |      | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp               | le ID    |  |                                    | 110218-TIPC-E-U |        |      |       |              |              |              |              |             |                |                           |           |        |        | 11   | 0218-TIP            | C-E-D        |              |              |              |             |                |
| Sample             | Time     |  |                                    |                 |        |      | 09:43 |              |              |              |              |             |                |                           |           |        |        |      | 09:32               |              |              |              |              |             |                |
|                    |          | pa   |                                    |                 |        |      |       | P            | В            |              |              | _ e         | pə             |                           |           |        |        |      |                     | P            | СВ           |              | _            |             |                |
| Parameter          |          | Total Suspended<br>Solids  | Mercury                            | Nickel          | Copper | Lead | Zinc  | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                 | it       | (ppm)  |                                    |                 | •      |      | (     | ppb)         |              |              |              |             |                | (ppm)                     |           |        |        |      | . (                 | (ppb)        | •            |              |              |             |                |
| Detec<br>Lim       |          | Ambient +<br>100   | 0.07                               | 3.7             | 2.6    | 1.8  | 5.6   | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water C<br>Stand   |          | *  | 0.0007                             | 8.2             | 5.6    | 8.0  | 66    |              | -            | -            |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66                  | -            |              | -            |              | 16          | 0.0006         |
| sult4              | s        | 23.5   | ND                                 | ND              | ND     | ND   | ND    | ND           | ND           | ND           | ND           | ND          | ND             | 22.5                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result⁴ | М        |  | NS                                 |                 |        |      |       |              |              |              |              |             |                |                           |           |        |        |      | NS                  |              |              |              |              |             |                |
| Analy              | В        | 28   | ND                                 | ND              | ND     | ND   | ND    | ND           | ND           | ND           | ND           | ND          | ND             | 25.3                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <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
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

|   | Surve                | ey Date                   |         |        |          |         |          |              |                |              |              |             |                | 11/05                     | 5/2018    |        |        |      |                     |              |              |              |              |             |                |
|---|----------------------|---------------------------|---------|--------|----------|---------|----------|--------------|----------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|   | Surve                | у Туре                    |         |        |          |         |          |              |                |              |              |             |                | V - Vess                  | sel Based |        |        |      |                     |              |              |              |              |             |                |
| Construction Activity  Tide   |                      |                           |         | SID    | - Silt [ | Displac | ement    |              | Com            | nents        |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
|   | Т                    | ide                       |         |        |          |         |          |              |                |              |              |             |                | Fle                       | ood       |        |        |      |                     |              |              |              |              |             |                |
| Source Location Sample  |                      |                           |         |        |          |         |          |              |                |              |              |             |                | B <sup>2</sup>            | 166       |        |        |      |                     |              |              |              |              |             |                |
| Location  |                      |                           |         |        |          | Upcu    | rrent (A | mbien        | t)             |              |              |             |                |                           |           |        |        |      | Downcur             | rent         |              |              |              |             |                |
| Distance to Source  |                      |                           |         |        |          | Appro   | x. 500 - | 1000 f       | t <sup>1</sup> |              |              |             |                |                           |           |        |        |      | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp  | le ID                |                           |         |        |          | 110     | 518-SIE  | I-F-U        |                |              |              |             |                |                           |           |        |        | 11   | 0518-SIE            | )I-F-D       |              |              |              |             |                |
| Sample  | Time                 |                           |         |        |          |         | 09:12    |              |                |              |              |             |                |                           |           |        |        |      | 08:52               |              |              |              |              |             |                |
|   |                      | pəl                       |         |        |          |         |          |              | PC             | СВ           |              |             | ne             | pəl                       |           |        |        |      |                     |              | PC           | СВ           |              |             | ae l           |
| Parameter   |                      | Total Suspended<br>Solids | Mercury | Nickel | Copper   | Lead    | Zinc     | Aroclor 1242 | Aroclor 1248   | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un  | it                   | (ppm)                     |         | •      |          |         | (        | ppb)         |                | •            |              | •           | •              | (ppm)                     |           |        |        |      | (                   | (ppb)        |              |              | •            |             |                |
| Detection   | n Limit <sup>3</sup> | Ambient +<br>100          | 0.07    | 3.7    | 2.6      | 1.8     | 5.6      | 0.2          | 0.2            | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water C<br>Stand  |                      | * 0.0007 8.2 5.6 8.0 66   |         |        |          |         |          |              | -              |              |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66                  | -            | -            | -            |              | 16          | 0.0006         |
| ssult4  | s                    | ND                        | ND      | ND     | ND       | ND      | ND       | ND           | ND             | ND           | ND           | ND          | 72.3           | ND                        | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          |                |
| M 66.3 N/ 66. |                      |                           |         | ND     | ND       | ND      | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 95                        | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Anal  | В                    | 79.3                      | ND      | ND     | ND       | ND      | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 139                       | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <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

|                                | Surve   | ey Date                   |         |        |        |                   |          |              |              |              |              |             |                | 11/05                     | 5/2018    |        |        |      |                     |              |              |              |              |             |                |
|--------------------------------|---------|---------------------------|---------|--------|--------|-------------------|----------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve   | у Туре                    |         |        |        |                   |          |              |              |              |              |             |                | V - Vess                  | sel Based |        |        |      |                     |              |              |              |              |             |                |
| Co                             | nstruct | ion Activ                 | ity     |        |        | nber Pi<br>on Ren |          |              | Com          | nents        |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
|                                | Т       | ide                       |         |        |        |                   |          |              |              |              |              |             |                | E                         | bb        |        |        |      |                     |              |              |              |              |             |                |
|                                |         | Location                  |         |        |        |                   |          |              |              |              |              |             |                | В                         | 60        |        |        |      |                     |              |              |              |              |             |                |
| Sam<br>Loca                    |         |                           |         |        |        | Upcu              | rrent (A | mbien        | t)           |              |              |             |                |                           |           |        |        | ı    | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Soui                 |         |                           |         |        |        | Appro             | x. 500 - | 1000 f       | t¹           |              |              |             |                |                           |           |        |        |      | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | le ID   |                           |         |        |        | 110               | 518-TIP  | C-E-U        |              |              |              |             |                |                           |           |        |        | 11   | 0518-TIP            | C-E-D        |              |              |              |             |                |
| Sample                         | Time    |                           |         |        |        |                   | 10:41    |              |              |              |              |             |                |                           |           |        |        |      | 10:32               |              |              |              |              |             |                |
|                                |         | pə                        |         |        |        |                   |          |              | PO           | В            |              |             |                | pə                        |           |        |        |      |                     |              | PC           | В            |              |             | e e            |
| Parameter                      |         | Total Suspended<br>Solids | Mercury | Nickel | Copper | Lead              | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it      | (ppm)                     |         |        |        |                   | (        | (ppb)        |              |              |              |             |                | (ppm)                     |           |        |        |      | . (                 | (ppb)        |              |              |              |             |                |
| Detec<br>Lim                   |         | Ambient +<br>100          | 0.07    | 3.7    | 2.6    | 1.8               | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water C<br>Stand               |         | *                         | 0.0007  | 8.2    | 5.6    | 8.0               | 66       |              |              | -            | -            | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66                  |              | 1            | 1            |              | 16          | 0.0006         |
| sult4                          | s       |                           |         |        |        |                   | NS       |              |              |              |              |             |                |                           |           |        |        |      | NS                  |              |              |              |              |             |                |
| Analytical Result <sup>4</sup> | М       | 30.8                      | ND      | ND     | ND     | ND                | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 38.8                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                          | В       |                           | •       | •      | •      |                   | NS       | •            |              |              |              |             |                |                           | •         |        |        |      | NS                  | •            |              |              |              |             |                |

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <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.

|                    | Surv  | ey Date                                     |         |          |         |       |          |              |              |              |              |             |                | 11/05                     | 5/2018    |        |        |      |                     |              |              |              |              |             |                |
|--------------------|---|---|---------|----------|---------|-------|----------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                    | Surve   | у Туре                                      |         |          |         |       |          |              |              |              |              |             |                | V - Vess                  | sel Based |        |        |      |                     |              |              |              |              |             |                |
| Co                 | onstruct  | ion Activ                                   | DBF     | RI - Del | bris Re | moval |          | Com          | ments        |              |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
|                    | Construction Activity DBRI - Debris Removal Comments  Tide  Source Location |   |         |          |         |       |          |              |              |              | Е            | bb          |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
| ****               |   |   |         |          |         |       |          |              |              |              |              |             |                | B <sup>,</sup>            | 173       |        |        |      |                     |              |              |              |              |             |                |
| Sam<br>Loca        |   |   |         |          |         | Upcu  | rrent (A | mbien        | t)           |              |              |             |                |                           |           |        |        | I    | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Sou      |   |   |         |          |         | Appro | x. 500 - | 1000 1       | t¹           |              |              |             |                |                           |           |        |        |      | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp               | le ID   |   |         |          |         | 110   | 518-DBF  | RI-E-U       |              |              |              |             |                |                           |           |        |        | 11   | 0518-DBI            | RI-E-D       |              |              |              |             |                |
| Sample             | Time  |   |         |          |         |       | 14:03    |              |              |              |              |             |                |                           |           |        |        |      | 13:33               |              |              |              |              |             |                |
|                    |   | pə  |         |          |         |       |          |              | P            | СВ           |              |             | _ e_           | pə                        |           |        |        |      |                     |              | PC           | СВ           |              |             | Je             |
| Parameter          |   | Total Suspended<br>Solids                   | Mercury | Nickel   | Copper  | Lead  | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                 | it  | (ppm)                                       |         |          |         |       | (        | (ppb)        |              |              |              |             |                | (ppm)                     |           |        |        |      | . (                 | ppb)         |              |              |              |             |                |
| Detec<br>Lim       |   | Ambient +<br>100                            | 0.07    | 3.7      | 2.6     | 1.8   | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water 0            |   | *   | 0.0007  | 8.2      | 5.6     | 8.0   | 66       |              |              |              |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66                  |              |              |              |              | 16          | 0.0006         |
| sult4              | s   | 79.5 ND |         |          |         |       |          |              |              |              | 64.3         | ND          | ND             | ND                        | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           |              |             |                |
| Analytical Result⁴ | М   | 70.8  | ND      | ND       | ND      | ND    | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 69.3                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy              | В   | 98  | ND      | ND       | ND      | ND    | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 69.3                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                            | Surve                | ey Date                   |         |        |         |         |          |              |                |              |              |             |                | 11/06                     | 6/2018    |        |        |      |                     |              |              |              |              |             |                |
|----------------------------|----------------------|---------------------------|---------|--------|---------|---------|----------|--------------|----------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                            | Surve                | у Туре                    |         |        |         |         |          |              |                |              |              |             |                | V - Vess                  | sel Based |        |        |      |                     |              |              |              |              |             |                |
| Construction Activity Tide |                      |                           |         |        | RI - De | bris Re | moval    |              | Com            | nents        |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
|                            | Т                    | ide                       |         |        |         |         |          |              |                |              |              |             |                | FI                        | ood       |        |        |      |                     |              |              |              |              |             |                |
| Source Location Sample     |                      |                           |         |        |         |         |          |              |                |              |              |             |                | В                         | 173       |        |        |      |                     |              |              |              |              |             |                |
| Location                   |                      |                           |         |        |         | Upcu    | rrent (A | mbien        | t)             |              |              |             |                |                           |           |        |        |      | Downcur             | rent         |              |              |              |             |                |
| Distance to Source         |                      |                           |         |        |         | Appro   | x. 500 - | 1000 f       | t <sup>1</sup> |              |              |             |                |                           |           |        |        |      | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                       | le ID                |                           |         |        |         | 110     | 618-DBF  | RI-F-U       |                |              |              |             |                |                           |           |        |        | 11   | 0618-DBF            | RI-F-D       |              |              |              |             |                |
| Sample                     | Time                 |                           |         |        |         |         | 08:44    |              |                |              |              |             |                |                           |           |        |        |      | 08:20               |              |              |              |              |             |                |
|                            |                      | pel                       |         |        |         |         |          |              | PC             | СВ           |              |             | ne             | pəl                       |           |        |        |      |                     |              | PO           | В            |              | 0           | ne             |
| Parameter                  |                      | Total Suspended<br>Solids | Mercury | Nickel | Copper  | Lead    | Zinc     | Aroclor 1242 | Aroclor 1248   | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                         | it                   | (ppm)                     |         |        |         |         | (        | ppb)         |                |              |              |             |                | (ppm)                     |           |        |        |      | (                   | (ppb)        |              | •            | •            |             |                |
| Detection                  | n Limit <sup>3</sup> | Ambient +<br>100          | 0.07    | 3.7    | 2.6     | 1.8     | 5.6      | 0.2          | 0.2            | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          | 1           | 0.1            |
| Water C<br>Stand           | -                    | *                         | 66      | -      | -       |         |          | 16           | 0.0006         | *            | 0.0007       | 8.2         | 5.6            | 8.0                       | 66        | -      |        | -    |                     | 16           | 0.0006       |              |              |             |                |
| esult4                     | ND                   | ND                        | ND      | ND     | ND      | ND      | ND       | ND           | ND             | ND           | ND           | 68.7        | ND             | ND                        | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           |             |                |
| S   50   ND                |                      |                           |         |        | ND      | ND      | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 71.3                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                      | В                    | 187                       | ND      | ND     | ND      | ND      | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 80                        | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

|                    | Surve    | ey Date                   |         |        |        |          |          |              |                |              |              |             |                | 11/06                     | 6/2018    |        |        |        |                     |              |              |              |              |             |                |
|--------------------|----------|---------------------------|---------|--------|--------|----------|----------|--------------|----------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|--------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                    | Surve    | у Туре                    |         |        |        |          |          |              |                |              |              |             |                | V - Vess                  | sel Based |        |        |        |                     |              |              |              |              |             |                |
| C                  | onstruct | ion Activi                | ity     |        | JETT   | - Jettin | g        |              | Com            | nents        |              |             | Same up        | ocurrent sa               | imple as  | Debris | Recov  | ery us | ed due to           | activit      | ies occ      | curring      | at sam       | ne locat    | ion            |
|                    |          | ide                       |         |        |        |          |          |              |                |              |              |             |                |                           | ood       |        |        |        |                     |              |              |              |              |             |                |
|                    |          | Location                  |         |        |        |          |          |              |                |              |              |             |                | B                         | 173       |        |        |        |                     |              |              |              |              |             |                |
| Sam<br>Loca        |          |                           |         |        |        | Upcu     | rrent (A | mbien        | t)             |              |              |             |                |                           |           |        |        |        | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Sou      |          |                           |         |        |        | Appro    | x. 500 - | 1000 f       | t <sup>1</sup> |              |              |             |                |                           |           |        |        |        | 650 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp               | le ID    |                           |         |        |        | 110      | 618-DBF  | RI-F-U       |                |              |              |             |                |                           |           |        |        | 11     | 0618-JET            | ΓΤ-F-D       |              |              |              |             |                |
| Sample             | Time     |                           |         |        |        |          | 08:44    |              |                |              |              |             |                |                           |           |        |        |        | 08:59               | 1            |              |              |              |             |                |
|                    |          | pel                       |         |        |        |          |          |              | PC             | В            |              |             | e              | pel                       |           |        |        |        |                     |              | P            | СВ           |              |             | e l            |
| Parameter          |          | Total Suspended<br>Solids | Mercury | Nickel | Copper | Lead     | Zinc     | Aroclor 1242 | Aroclor 1248   | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead   | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                 | it       | (ppm)                     |         |        |        |          | (        | ppb)         |                |              |              |             |                | (ppm)                     |           |        |        | •      |                     | (ppb)        |              |              | •            |             | •              |
| Detectio           | n Limit³ | Ambient +<br>100          | 0.07    | 3.7    | 2.6    | 1.8      | 5.6      | 0.2          | 0.2            | 0.2          | 0.2          | 1           | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8    | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water (            |          | *                         | 0.0007  | 8.2    | 5.6    | 8.0      | 66       | -            | -              |              | -            | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0    | 66                  | -            |              |              |              | 16          | 0.0006         |
| sult4              | s        | 50                        | ND      | ND     | ND     | ND       | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 84.4                      | ND        | ND     | ND     | ND     | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result⁴ | М        | 71.7                      | ND      | ND     | ND     | ND       | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 98                        | ND        | ND     | ND     | ND     | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy              | В        | 187                       | ND      | ND     | ND     | ND       | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 146                       | ND        | ND     | ND     | ND     | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected as close to the edge of the 500 ft mixing zone 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

|                             | Surve                | ey Date                   |         |        |          |         |          |              |                |              |              |             |                | 11/06                     | 6/2018    |        |        |          |                     |              |              |              |              |             |                |
|-----------------------------|----------------------|---------------------------|---------|--------|----------|---------|----------|--------------|----------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|----------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                             | Surve                | у Туре                    |         |        |          |         |          |              |                |              |              |             |                | V - Vess                  | sel Based |        |        |          |                     |              |              |              |              |             |                |
| Construction Activity  Tide |                      |                           |         |        | - Silt [ | Displac | ement    |              | Com            | nents        |              |             |                |                           |           |        |        |          |                     |              |              |              |              |             |                |
|                             | Т                    | ide                       |         |        |          |         |          |              |                |              |              |             |                | FI                        | ood       |        |        |          |                     |              |              |              |              |             |                |
| Source Location Sample      |                      |                           |         |        |          |         |          |              |                |              |              |             |                | В                         | 167       |        |        |          |                     |              |              |              |              |             |                |
| Location                    |                      |                           |         |        |          | Upcu    | rrent (A | mbien        | t)             |              |              |             |                |                           |           |        |        |          | Downcur             | rent         |              |              |              |             |                |
| Distance to Source          |                      |                           |         |        |          | Appro   | x. 500 - | 1000 f       | t <sup>1</sup> |              |              |             |                |                           |           |        |        |          | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                        | le ID                |                           |         |        | 110      | 618-SIE | I-F-U    |              |                |              |              |             |                |                           |           |        | 11     | 0618-SIE | )I-F-D              |              |              |              |              |             |                |
| Sample                      | Time                 |                           |         |        |          |         | 10:33    |              |                |              |              |             |                |                           |           |        |        |          | 10:11               |              |              |              |              |             |                |
| i                           |                      | pəl                       |         |        |          |         |          |              | P              | В            |              |             | ne             | pəl                       |           |        |        |          |                     |              | PC           | СВ           |              |             | ae l           |
| Parameter                   |                      | Total Suspended<br>Solids | Mercury | Nickel | Copper   | Lead    | Zinc     | Aroclor 1242 | Aroclor 1248   | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead     | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                          | it                   | (ppm)                     |         | •      |          |         | (        | ppb)         |                |              |              | •           | •              | (ppm)                     |           | •      |        |          | (                   | (ppb)        |              |              | •            |             |                |
| Detection                   | n Limit <sup>3</sup> | Ambient +<br>100          | 0.07    | 3.7    | 2.6      | 1.8     | 5.6      | 0.2          | 0.2            | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8      | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water C<br>Stand            |                      | *                         | 0.0007  | 8.2    | 5.6      | 8.0     | 66       | -            | -              |              |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0      | 66                  | -            | -            | -            |              | 16          | 0.0006         |
| ssult4                      | ND                   | ND                        | ND      | ND     | ND       | ND      | ND       | ND           | ND             | ND           | ND           | 83          | ND             | ND                        | ND        | ND     | ND     | ND       | ND                  | ND           | ND           | ND           | ND           |             |                |
| S   53.3   ND               |                      |                           |         | ND     | ND       | ND      | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 84.4                      | ND        | ND     | ND     | ND       | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                       | В                    | 48.8                      | ND      | ND     | ND       | ND      | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 99                        | ND        | ND     | ND     | ND       | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <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

|                    | Surv     | ey Date                   |                                    |        |        |                   |       |              |              |              |              |             |                | 11/06                     | 6/2018    |        |        |      |                     |              |              |              |              |             |                |
|--------------------|----------|---------------------------|------------------------------------|--------|--------|-------------------|-------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                    | Surve    | у Туре                    |                                    |        |        |                   |       |              |              |              |              |             |                | V - Vess                  | sel Based |        |        |      |                     |              |              |              |              |             |                |
| Co                 | onstruct | ion Activ                 | ity                                |        |        | nber Pi<br>on Ren |       |              | Comi         | nents        |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
|                    | Т        | ide                       |                                    |        |        |                   |       |              |              |              |              |             |                | E                         | bb        |        |        |      |                     |              |              |              |              |             |                |
|                    |          | Location                  |                                    |        |        |                   |       |              |              |              |              |             |                | В                         | 349       |        |        |      |                     |              |              |              |              |             |                |
| Sam<br>Loca        | tion     | Upcurrent (Ambient)       |                                    |        |        |                   |       |              |              |              |              |             |                |                           |           |        |        | ı    | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Sou      |          |                           | Approx. 500 - 1000 ft <sup>1</sup> |        |        |                   |       |              |              |              |              |             |                |                           |           |        |        |      | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp               | le ID    |                           | 110618-TIPC-E-U                    |        |        |                   |       |              |              |              |              |             |                |                           |           |        |        | 11   | 0618-TIP            | C-E-D        |              |              |              |             |                |
| Sample             | Time     |                           |                                    |        |        |                   | 11:10 |              |              |              |              |             |                |                           |           |        |        |      | 11:01               |              |              |              |              |             |                |
|                    |          | pa                        |                                    |        |        |                   |       |              | P            | СВ           |              |             | ne             | pa                        |           |        |        |      |                     |              | PC           | СВ           |              | _           | Je L           |
| Parameter          |          | Total Suspended<br>Solids | Mercury                            | Nickel | Copper | Lead              | Zinc  | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                 | it       | (ppm)                     |                                    |        |        |                   | (     | (ppb)        |              |              |              |             |                | (ppm)                     |           |        |        |      | (                   | (ppb)        |              |              |              |             |                |
| Detec<br>Lim       |          | Ambient +<br>100          | 0.07                               | 3.7    | 2.6    | 1.8               | 5.6   | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water 0            |          | *                         | 0.0007                             | 8.2    | 5.6    | 8.0               | 66    | -            |              |              | -            | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66                  | -            | -            |              |              | 16          | 0.0006         |
| esult4             | s        |                           | NS                                 |        |        |                   |       |              |              |              |              |             |                |                           |           |        |        |      | NS                  |              |              |              |              |             |                |
| Analytical Result⁴ | М        | 34.5                      | ND                                 | ND     | ND     | ND                | ND    | ND           | ND           | ND           | ND           | ND          | ND             | 35.5                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy              | В        |                           | <u> </u>                           |        |        |                   | NS    |              |              | •            |              |             | ·              |                           | <u> </u>  |        |        |      | NS                  |              | •            |              |              |             |                |

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <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.

|                    | Surve    | ey Date                   |         |        |                    |          |          |              |                |              |              |             |                | 11/07                     | 7/2018    |        |        |         |                     |              |              |              |              |             |                |
|--------------------|----------|---------------------------|---------|--------|--------------------|----------|----------|--------------|----------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|---------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                    | Surve    | у Туре                    |         |        |                    |          |          |              |                |              |              |             |                | V - Vess                  | sel Based |        |        |         |                     |              |              |              |              |             |                |
| C                  | onstruct | ion Activi                |         |        | iber Pil<br>on Rem |          |          | Com          | nents          |              |              |             |                |                           |           |        |        |         |                     |              |              |              |              |             |                |
|                    | Т        | ide                       |         |        |                    |          |          |              |                |              |              |             |                | FI                        | ood       |        |        |         |                     |              |              |              |              |             |                |
|                    |          | Location                  |         |        |                    |          |          |              |                |              |              |             |                | В                         | 108       |        |        |         |                     |              |              |              |              |             |                |
| Sam<br>Loca        | tion     |                           |         |        | Upcu               | rrent (A | mbien    | t)           |                |              |              |             |                |                           |           |        |        | Downcur | rent                |              |              |              |              |             |                |
| Distan<br>Sou      |          |                           |         |        |                    | Appro    | x. 500 - | 1000 f       | t <sup>1</sup> |              |              |             |                |                           |           |        |        |         | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp               | le ID    |                           |         |        |                    | 110      | 718-TIP  | C-F-U        |                |              |              |             |                |                           |           |        |        | 11      | 0718-TIP            | C-F-D        |              |              |              |             |                |
| Sample             | Time     |                           |         |        |                    |          | 09:24    |              |                |              |              |             |                |                           |           |        |        |         | 09:01               |              |              |              |              |             |                |
|                    |          |                           |         |        |                    |          |          |              |                |              |              |             |                | pe                        |           |        |        |         |                     |              | P            | СВ           |              |             | Je L           |
| Parameter          |          | Total Suspended<br>Solids | Mercury | Nickel | Copper             | Lead     | Zinc     | Aroclor 1242 | Aroclor 1248   | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead    | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                 | it       | (ppm)                     |         |        |                    |          | (        | ppb)         |                |              |              |             |                | (ppm)                     |           |        |        | •       |                     | (ppb)        |              |              |              |             | •              |
| Detectio           | n Limit³ | Ambient +<br>100          | 0.07    | 3.7    | 2.6                | 1.8      | 5.6      | 0.2          | 0.2            | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8     | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water (            |          | *                         | 0.0007  | 8.2    | 5.6                | 8.0      | 66       | -            | -              |              | -            | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0     | 66                  | -            |              |              | -            | 16          | 0.0006         |
| sult4              | s        | 52.5                      | ND      | ND     | ND                 | ND       | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 57                        | ND        | ND     | ND     | ND      | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result⁴ | М        |                           |         |        |                    |          | NS       |              |                |              |              |             |                |                           |           |        |        |         | NS                  |              |              |              |              |             |                |
| Analy              | В        | 70                        | ND      | ND     | ND                 | ND       | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 91.5                      | ND        | ND     | ND     | ND      | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <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.

|  | Surv  | ey Date                                   |         |          |        |       |          |              |                |              |              |             |                | 11/07                     | 7/2018    |        |        |      |                     |              |              |              |              |             |                |
|--|-------|---|---------|----------|--------|-------|----------|--------------|----------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|  | Surve | у Туре                                    |         |          |        |       |          |              |                |              |              |             |                | V - Vess                  | sel Based |        |        |      |                     |              |              |              |              |             |                |
| Co   | ity   |   | JETT    | - Jettir | g      |       | Com      | ments        |                |              |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
| Construction Activity  Tide  Source Location |       |   |         |          |        |       |          | •            |                |              |              |             |                | Е                         | bb        |        |        |      |                     |              |              |              |              |             |                |
| Source Location                              |       |   |         |          |        |       |          |              |                |              |              |             |                | B <sup>,</sup>            | 173       |        |        |      |                     |              |              |              |              |             |                |
| Sample<br>Location                           |       |   |         |          |        | Upcu  | rrent (A | mbien        | t)             |              |              |             |                |                           |           |        |        | I    | Downcur             | rent         |              |              |              |             |                |
| Distance to Source                           |       |   |         |          |        | Appro | x. 500 - | 1000 f       | t <sup>1</sup> |              |              |             |                |                           |           |        |        |      | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp   | le ID |   |         |          |        | 110   | 718-JET  | T-E-U        |                |              |              |             |                |                           |           |        |        | 11   | 0718-JET            | T-E-D        |              |              |              |             |                |
| Sample                                       | Time  |   |         |          |        |       | 12:32    |              |                |              |              |             |                |                           |           |        |        |      | 12:14               |              |              |              |              |             |                |
|  |       | pə  |         |          |        |       |          |              | P              | СВ           |              |             | _ e            | pə                        |           |        |        |      |                     |              | PC           | В            |              |             | _ e            |
| Parameter                                    |       | Total Suspended<br>Solids                 | Mercury | Nickel   | Copper | Lead  | Zinc     | Aroclor 1242 | Aroclor 1248   | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un   | it    | (ppm)                                     |         |          |        |       | (        | ppb)         |                |              |              |             |                | (ppm)                     |           |        |        |      | . (                 | ppb)         |              |              |              |             |                |
| Detec<br>Lim                                 |       | Ambient +<br>100                          | 0.07    | 3.7      | 2.6    | 1.8   | 5.6      | 0.2          | 0.2            | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          | -           | 0.1            |
| Water 0                                      |       | *   | 0.0007  | 8.2      | 5.6    | 8.0   | 66       |              |                |              |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66                  |              |              |              |              | 16          | 0.0006         |
| sult4  | s     | 22  | ND      | ND       | ND     | ND    | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 29                        | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result⁴                           | ND    | ND  | ND      | ND       | ND     | ND    | ND       | ND           | ND             | ND           | ND           | 43.3        | ND             | ND                        | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           |             |                |
| Analy  | В     | 22 ND |         |          |        |       |          |              |                |              |              |             |                | 49                        | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                                    | Surv  | ey Date                   |   |        |          |         |          |              |                |              |              |             |                | 11/07                     | 7/2018    |        |        |      |                     |              |              |              |              |             |                |
|------------------------------------|-------|---------------------------|---|--------|----------|---------|----------|--------------|----------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                    | Surve | у Туре                    |   |        |          |         |          |              |                |              |              |             |                | V - Vess                  | sel Based |        |        |      |                     |              |              |              |              |             |                |
| Survey Type  Construction Activity |       |                           |   |        | RI - Del | bris Re | moval    |              | Comi           | ments        |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
|                                    | Т     | ide                       |   |        |          |         |          |              |                |              |              |             |                | Е                         | bb        |        |        |      |                     |              |              |              |              |             |                |
| Source Location                    |       |                           |   |        |          |         |          |              |                |              |              |             |                | B <sup>-</sup>            | 171       |        |        |      |                     |              |              |              |              |             |                |
| Sample<br>Location                 |       |                           |   |        |          | Upcu    | rrent (A | mbien        | t)             |              |              |             |                |                           |           |        |        | ı    | Downcur             | rent         |              |              |              |             |                |
| Distance to Source                 |       |                           |   |        |          | Appro   | x. 500 - | 1000 1       | t <sup>1</sup> |              |              |             |                |                           |           |        |        |      | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                               | le ID |                           |   |        |          | 110     | 718-DBF  | RI-E-U       |                |              |              |             |                |                           |           |        |        | 11   | 0718-DBF            | RI-E-D       |              |              |              |             |                |
| Sample                             | Time  |                           |   |        |          |         | 13:14    |              |                |              |              |             |                |                           |           |        |        |      | 12:54               |              |              |              |              |             |                |
|                                    |       | pə                        |   |        |          |         |          |              | P              | СВ           |              |             |                | pə                        |           |        |        |      |                     |              | PC           | В            |              | _           | Эе             |
| Parameter                          |       | Total Suspended<br>Solids | Mercury   | Nickel | Copper   | Lead    | Zinc     | Aroclor 1242 | Aroclor 1248   | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                                 | it    | (ppm)                     |   |        |          |         | (        | (ppb)        |                |              |              |             |                | (ppm)                     |           |        |        |      | (                   | ppb)         | •            |              |              |             |                |
| Detec<br>Lim                       |       | Ambient +<br>100          | 0.07  | 3.7    | 2.6      | 1.8     | 5.6      | 0.2          | 0.2            | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          | -           | 0.1            |
| Water (                            |       | *                         | 0.0007  | 8.2    | 5.6      | 8.0     | 66       |              |                |              |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66                  |              |              |              | -            | 16          | 0.0006         |
| sult4                              | s     | 27.7                      | ND  | ND     | ND       | ND      | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 36.8                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result⁴                 | М     | ND                        | ND  | ND     | ND       | ND      | ND       | ND           | ND             | ND           | ND           | ND          | 36.7           | ND                        | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          |                |
| Analy                              | В     | 64.3                      | * 0.0007 8.2 5.6 8.0 66 16 0.0006 27.7 ND |        |          |         |          |              |                |              |              |             |                |                           | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                    | Surve    | ey Date                   |         |          |         |          |        |                |              |              |              |             |                | 11/07                     | 7/2018    |        |        |                     |       |              |              |              |              |             |                |
|--------------------|----------|---------------------------|---------|----------|---------|----------|--------|----------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|---------------------|-------|--------------|--------------|--------------|--------------|-------------|----------------|
|                    | Surve    | у Туре                    |         |          |         |          |        |                |              |              |              |             |                | V - Vess                  | sel Based | i      |        |                     |       |              |              |              |              |             |                |
| Co                 | onstruct | ion Activ                 | SIDI    | - Silt I | Displac | ement    |        | Comi           | nents        |              |              |             |                |                           |           |        |        |                     |       |              |              |              |              |             |                |
|                    | Т        | ide                       |         |          |         |          |        | •              |              |              |              |             |                | E                         | bb        |        |        |                     |       |              |              |              |              |             |                |
|                    |          | Location                  |         |          |         |          |        |                |              |              |              |             |                | В                         | 167       |        |        |                     |       |              |              |              |              |             |                |
| Sam<br>Loca        |          |                           |         |          | Upcu    | rrent (A | mbien  | t)             |              |              |              |             |                |                           |           |        | I      | Downcur             | rent  |              |              |              |              |             |                |
| Distan<br>Sou      |          |                           |         |          | Appro   | x. 500 - | 1000 f | t <sup>1</sup> |              |              |              |             |                |                           |           |        |        | 500 ft <sup>2</sup> | 2     |              |              |              |              |             |                |
| Samp               | le ID    |                           |         |          | 110     | 718-SIE  | I-E-U  |                |              |              |              |             |                |                           |           |        | 11     | 10718-SIE           | I-E-D |              |              |              |              |             |                |
| Sample             | Time     |                           | 13:40   |          |         |          |        |                |              |              |              |             |                |                           |           |        |        |                     | 13:27 |              |              |              |              |             |                |
|                    |          | pə                        |         |          |         |          |        |                | P            | СВ           |              |             | _ e            | pə                        |           |        |        |                     |       |              | P            | СВ           |              |             |                |
| Parameter          |          | Total Suspended<br>Solids | Mercury | Nickel   | Copper  | Lead     | Zinc   | Aroclor 1242   | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead                | Zinc  | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                 | it       | (ppm)                     |         |          |         |          | (      | ppb)           |              |              |              |             |                | (ppm)                     |           |        |        |                     | . (   | (ppb)        |              |              |              |             |                |
| Detec<br>Lim       |          | Ambient +<br>100          | 0.07    | 3.7      | 2.6     | 1.8      | 5.6    | 0.2            | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8                 | 5.6   | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water C            |          | *                         | 0.0007  | 8.2      | 5.6     | 8.0      | 66     |                | -            | -            |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0                 | 66    |              |              |              |              | 16          | 0.0006         |
| sult4              | s        | 80.5                      | ND      | ND       | ND      | ND       | ND     | ND             | ND           | ND           | ND           | ND          | ND             | 58.3                      | ND        | ND     | ND     | ND                  | ND    | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result⁴ | М        |                           |         |          |         |          | NS     |                |              |              |              |             |                |                           |           |        |        |                     | NS    |              |              |              |              |             |                |
| Analy              | В        | 93.5                      | ND      | ND       | ND      | ND       | ND     | ND             | ND           | ND           | ND           | ND          | ND             | 69.3                      | ND        | ND     | ND     | ND                  | ND    | ND           | ND           | ND           | ND           | ND          | ND             |

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <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
- ND = Not Detected
- NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

|                                | Surve                | ey Date                                   |         |        |        |                   |          |              |                |              |              |             |                | 11/08                     | 3/2018    |        |        |      |                     |              |              |              |              |             |                |
|--------------------------------|----------------------|---|---------|--------|--------|-------------------|----------|--------------|----------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve                | у Туре                                    |         |        |        |                   |          |              |                |              |              |             |                | V - Vess                  | sel Based |        |        |      |                     |              |              |              |              |             |                |
| C                              | onstruct             | ion Activi                                | ity     |        |        | ber Pil<br>on Ren |          |              | Com            | nents        |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
|                                | Т                    | ide                                       |         |        |        |                   |          |              |                |              |              |             |                | Fl                        | ood       |        |        |      |                     |              |              |              |              |             |                |
|                                |                      | Location                                  |         |        |        |                   |          |              |                |              |              |             |                | В                         | 62        |        |        |      |                     |              |              |              |              |             |                |
| Sam<br>Loca                    | ition                |   |         |        |        | Upcu              | rrent (A | mbien        | t)             |              |              |             |                |                           |           |        |        |      | Downcur             | rent         |              |              |              |             |                |
| Distar<br>Sou                  |                      |   |         |        |        | Appro             | x. 500 - | 1000 f       | t <sup>1</sup> |              |              |             |                |                           |           |        |        |      | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | ole ID               |   |         |        |        | 110               | 818-TIP  | C-F-U        |                |              |              |             |                |                           |           |        |        | 11   | 0818-TIP            | C-F-D        |              |              |              |             |                |
| Sample                         | e Time               | 09:28                                     |         |        |        |                   |          |              |                |              |              |             |                |                           |           |        |        |      | 09:13               |              |              |              |              |             |                |
|                                |                      |   |         |        |        |                   |          |              |                |              |              |             |                | pe                        |           |        |        |      |                     |              | PO           | СВ           |              |             | Je L           |
| Parameter                      |                      | Total Suspended<br>Solids                 | Mercury | Nickel | Copper | Lead              | Zinc     | Aroclor 1242 | Aroclor 1248   | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Ur                             | nit                  | (ppm)                                     |         |        | •      |                   | (        | ppb)         |                |              |              |             |                | (ppm)                     |           | •      |        | •    |                     | (ppb)        | •            | •            |              |             | •              |
| Detectio                       | n Limit <sup>3</sup> | Ambient +<br>100                          | 0.07    | 3.7    | 2.6    | 1.8               | 5.6      | 0.2          | 0.2            | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water (                        | - 1                  | *   | 0.0007  | 8.2    | 5.6    | 8.0               | 66       | -            | -              | -            | -            | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66                  | -            |              | -            | -            | 16          | 0.0006         |
| sult4                          | s                    | 54 ND |         |        |        |                   |          |              |                |              |              |             | ND             | 54                        | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М                    |   |         |        |        |                   | NS       |              |                |              |              |             |                |                           |           |        |        |      | NS                  |              |              |              |              |             |                |
| Analy                          | В                    | 54.5                                      | ND      | ND     | ND     | ND                | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 54.7                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <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.

|                       | Surve                | ey Date                   |         |         |          |       |          |              |                |              |              |                |                | 11/08                     | 3/2018    |        |         |      |                     |              |              |              |              |             |                |
|-----------------------|----------------------|---------------------------|---------|---------|----------|-------|----------|--------------|----------------|--------------|--------------|----------------|----------------|---------------------------|-----------|--------|---------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                       | Surve                | у Туре                    |         |         |          |       |          |              |                |              |              |                |                | V - Vess                  | sel Based |        |         |      |                     |              |              |              |              |             |                |
| Co                    | ity                  | DBF                       | RI - De | bris Re | moval    |       | Comi     | nents        |                |              |              |                |                |                           |           |        |         |      |                     |              |              |              |              |             |                |
|                       | Т                    | ide                       |         |         |          |       |          |              |                |              |              |                |                | Fle                       | ood       |        |         |      |                     |              |              |              |              |             |                |
|                       |                      |                           |         |         |          |       |          |              |                |              |              | B <sup>2</sup> | 171            |                           |           |        |         |      |                     |              |              |              |              |             |                |
| Sam<br>Locat          |                      |                           |         | Upcu    | rrent (A | mbien | t)       |              |                |              |              |                |                |                           |           |        | Downcur | rent |                     |              |              |              |              |             |                |
| Distance to<br>Source |                      |                           |         |         |          | Appro | x. 500 - | 1000 f       | t <sup>1</sup> |              |              |                |                |                           |           |        |         |      | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Sample ID             |                      |                           |         |         |          | 110   | 818-DBF  | RI-F-U       |                |              |              |                |                |                           |           |        |         | 11   | 0818-DBF            | RI-F-D       |              |              |              |             |                |
| Sample                | Time                 |                           |         |         |          |       | 10:22    |              |                |              |              |                |                |                           |           |        |         |      | 10:01               |              |              |              |              |             |                |
|                       |                      | pəl                       |         |         |          |       |          |              | P              | СВ           |              |                | ne             | pəl                       |           |        |         |      |                     |              | PC           | В            |              |             | ae l           |
| Parameter             |                      | Total Suspended<br>Solids | Mercury | Nickel  | Copper   | Lead  | Zinc     | Aroclor 1242 | Aroclor 1248   | Aroclor 1254 | Aroclor 1260 | Naphthalene    | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper  | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                    | it                   | (ppm)                     |         |         | •        |       | (        | ppb)         |                | •            |              | •              | •              | (ppm)                     |           |        |         |      | (                   | (ppb)        |              |              | •            |             |                |
| Detection             | n Limit <sup>3</sup> | Ambient +<br>100          | 0.07    | 3.7     | 2.6      | 1.8   | 5.6      | 0.2          | 0.2            | 0.2          | 0.2          |                | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6     | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water C<br>Stand      | -                    | *                         | 0.0007  | 8.2     | 5.6      | 8.0   | 66       | -            | -              |              |              | 16             | 0.0006         | *                         | 0.0007    | 8.2    | 5.6     | 8.0  | 66                  | -            | -            |              |              | 16          | 0.0006         |
| sult4                 | s                    | 42.3                      | ND      | ND      | ND       | ND    | ND       | ND           | ND             | ND           | ND           | ND             | ND             | 53.3                      | ND        | ND     | ND      | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result⁴    | М                    | 95.5                      | ND      | ND      | ND       | ND    | ND       | ND           | ND             | ND           | ND           | ND             | ND             | 73                        | ND        | ND     | ND      | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                 | В                    | 103                       | ND      | ND      | ND       | ND    | ND       | ND           | ND             | ND           | ND           | ND             | ND             | 77.5                      | ND        | ND     | ND      | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <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

|                                | Surve                | ey Date                   |         |        |          |          |                |              |              |              |              |             |                | 11/08                     | 3/2018    |        |                     |         |          |              |              |              |              |             |                |
|--------------------------------|----------------------|---------------------------|---------|--------|----------|----------|----------------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|---------------------|---------|----------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve                | у Туре                    |         |        |          |          |                |              |              |              |              |             |                | V - Vess                  | sel Based |        |                     |         |          |              |              |              |              |             |                |
| Cc                             | onstruct             | ion Activi                | ity     | SID    | - Silt [ | Displac  | ement          |              | Com          | nents        |              |             |                |                           |           |        |                     |         |          |              |              |              |              |             |                |
|                                | Т                    | ide                       |         |        |          |          |                |              |              |              |              |             |                | FI                        | ood       |        |                     |         |          |              |              |              |              |             |                |
|                                |                      | Location                  |         |        |          |          |                |              |              |              |              |             |                | В                         | 168       |        |                     |         |          |              |              |              |              |             |                |
| Sam<br>Locat                   | tion                 |                           |         |        | Upcu     | rrent (A | mbien          | t)           |              |              |              |             |                |                           |           |        |                     | Downcur | rent     |              |              |              |              |             |                |
| Distan<br>Soui                 |                      |                           |         | Appro  | x. 500 - | 1000 f   | t <sup>1</sup> |              |              |              |              |             |                |                           |           |        | 500 ft <sup>2</sup> | 2       |          |              |              |              |              |             |                |
| Sample ID                      |                      |                           |         |        |          | 110      | 818-SIE        | I-F-U        |              |              |              |             |                |                           |           |        |                     | 11      | 0818-SIE | )I-F-D       |              |              |              |             |                |
| Sample                         | Time                 |                           |         |        |          |          | 10:52          |              |              |              |              |             |                |                           |           |        |                     |         | 10:34    |              |              |              |              |             |                |
|                                |                      | pəl                       |         |        |          |          |                |              | P            | СВ           |              |             | ne             | pəl                       |           |        |                     |         |          |              | PC           | СВ           |              |             | Je L           |
| Parameter                      |                      | Total Suspended<br>Solids | Mercury | Nickel | Copper   | Lead     | Zinc           | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper              | Lead    | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it                   | (ppm)                     |         | •      |          |          | (              | ppb)         |              | •            |              | •           | •              | (ppm)                     |           | •      |                     |         | (        | (ppb)        |              |              | •            |             |                |
| Detection                      | n Limit <sup>3</sup> | Ambient +<br>100          | 0.07    | 3.7    | 2.6      | 1.8      | 5.6            | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6                 | 1.8     | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water C<br>Stand               |                      | *                         | 0.0007  | 8.2    | 5.6      | 8.0      | 66             | -            | -            |              |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6                 | 8.0     | 66       | -            | -            | -            |              | 16          | 0.0006         |
| sult4                          | s                    | 37.5                      | ND      | ND     | ND       | ND       | ND             | ND           | ND           | ND           | ND           | ND          | ND             | 75.3                      | ND        | ND     | ND                  | ND      | ND       | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М                    | 70                        | ND      | ND     | ND       | ND       | ND             | ND           | ND           | ND           | ND           | ND          | ND             | 93.6                      | ND        | ND     | ND                  | ND      | ND       | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                          | В                    | 86                        | ND      | ND     | ND       | ND       | ND             | ND           | ND           | ND           | ND           | ND          | ND             | 103                       | ND        | ND     | ND                  | ND      | ND       | ND           | ND           | ND           | ND           | ND          | ND             |

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

|                                    | Surv  | ey Date  |         |          |        |          |          |              |              |              |              |                |                | 11/08                     | 3/2018    |         |        |      |                     |              |              |              |              |             |                |
|------------------------------------|-------|--|---------|----------|--------|----------|----------|--------------|--------------|--------------|--------------|----------------|----------------|---------------------------|-----------|---------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                    | Surve | у Туре   |         |          |        |          |          |              |              |              |              |                |                | V - Vess                  | sel Based | l       |        |      |                     |              |              |              |              |             |                |
| Survey Type  Construction Activity |       |  |         |          | JETT   | - Jettir | g        |              | Com          | ments        |              |                |                |                           |           |         |        |      |                     |              |              |              |              |             |                |
|                                    | Т     | ide  |         |          |        |          |          |              |              |              |              |                |                | E                         | bb        |         |        |      |                     |              |              |              |              |             |                |
|                                    |       |  |         |          |        |          |          |              |              |              |              | B <sup>-</sup> | 173            |                           |           |         |        |      |                     |              |              |              |              |             |                |
| Sam<br>Loca                        |       |  | Upcu    | rrent (A | mbien  | t)       |          |              |              |              |              |                |                |                           | I         | Downcur | rent   |      |                     |              |              |              |              |             |                |
| Location Distance to Source        |       |  |         |          |        | Appro    | x. 500 - | 1000 f       | t¹           |              |              |                |                |                           |           |         |        |      | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Source Sample ID                   |       |  |         |          |        | 110      | 818-JET  | T-E-U        |              |              |              |                |                |                           |           |         |        | 11   | 0818-JET            | T-E-D        |              |              |              |             |                |
| Sample                             | Time  |  |         |          |        |          | 12:56    |              |              |              |              |                |                |                           |           |         |        |      | 12:36               |              |              |              |              |             |                |
|                                    |       | pə   |         |          |        |          |          |              | P            | СВ           |              |                |                | pə                        |           |         |        |      |                     |              | PC           | СВ           |              |             | ЭE             |
| Parameter                          |       | Total Suspended<br>Solids  | Mercury | Nickel   | Copper | Lead     | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene    | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel  | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                                 | it    | (ppm)  |         |          |        |          | (        | ppb)         |              |              |              |                |                | (ppm)                     |           |         |        |      | (                   | ppb)         |              |              |              |             |                |
| Detec<br>Lim                       |       | Ambient +<br>100   | 0.07    | 3.7      | 2.6    | 1.8      | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          |                | 0.1            | Ambient +<br>100          | 0.07      | 3.7     | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          | -           | 0.1            |
| Water (                            |       | *  | 0.0007  | 8.2      | 5.6    | 8.0      | 66       |              |              |              |              | 16             | 0.0006         | *                         | 0.0007    | 8.2     | 5.6    | 8.0  | 66                  |              |              |              |              | 16          | 0.0006         |
| sult4                              | s     | 29.2   | ND      | ND       | ND     | ND       | ND       | ND           | ND           | ND           | ND           | ND             | ND             | 25.8                      | ND        | ND      | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result⁴                 | М     | 29   | ND      | ND       | ND     | ND       | ND       | ND           | ND           | ND           | ND           | ND             | ND             | 31.8                      | ND        | ND      | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                              | В     | The state of the |         |          |        |          |          |              |              |              |              |                |                | 34.8                      | ND        | ND      | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                    | Surve                | ey Date                   |          |         |          |        |                |              |              |              |              |             |                | 11/09                     | 9/2018    |        |                     |      |          |              |              |              |              |             |                |
|--------------------|----------------------|---------------------------|----------|---------|----------|--------|----------------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|---------------------|------|----------|--------------|--------------|--------------|--------------|-------------|----------------|
|                    | Surve                | у Туре                    |          |         |          |        |                |              |              |              |              |             |                | V - Vess                  | sel Based |        |                     |      |          |              |              |              |              |             |                |
| Co                 | ity                  | SID                       | - Silt [ | Displac | ement    |        | Com            | nents        |              |              |              |             |                |                           |           |        |                     |      |          |              |              |              |              |             |                |
|                    | Т                    | ide                       |          |         |          |        |                |              |              |              |              |             |                | FI                        | ood       |        |                     |      |          |              |              |              |              |             |                |
|                    |                      | Location                  |          |         |          |        |                |              |              |              |              |             |                | В                         | 167       |        |                     |      |          |              |              |              |              |             |                |
| Sam<br>Loca        | tion                 |                           |          |         |          | Upcu   | rrent (A       | mbien        | t)           |              |              |             |                |                           |           |        |                     |      | Downcur  | rent         |              |              |              |             |                |
| Distan<br>Soui     |                      |                           |          | Appro   | x. 500 - | 1000 f | t <sup>1</sup> |              |              |              |              |             |                |                           |           |        | 500 ft <sup>2</sup> | 2    |          |              |              |              |              |             |                |
| Sample ID          |                      |                           |          |         |          | 110    | 918-SIE        | I-F-U        |              |              |              |             |                |                           |           |        |                     | 11   | 0918-SIE | )I-F-D       |              |              |              |             |                |
| Sample             | Time                 |                           |          |         |          |        | 09:20          |              |              |              |              |             |                |                           |           |        |                     |      | 09:03    |              |              |              |              |             |                |
|                    |                      | pəl                       |          |         |          |        |                |              | PC           | В            |              |             | ne             | pəl                       |           |        |                     |      |          |              | PC           | В            |              |             | ae l           |
| Parameter          |                      | Total Suspended<br>Solids | Mercury  | Nickel  | Copper   | Lead   | Zinc           | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper              | Lead | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                 | it                   | (ppm)                     |          | •       |          |        | (              | ppb)         |              |              |              | •           |                | (ppm)                     |           |        |                     |      | (        | (ppb)        |              |              | •            |             |                |
| Detection          | n Limit <sup>3</sup> | Ambient +<br>100          | 0.07     | 3.7     | 2.6      | 1.8    | 5.6            | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6                 | 1.8  | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water C<br>Stand   |                      | *                         | 0.0007   | 8.2     | 5.6      | 8.0    | 66             | -            | -            |              |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6                 | 8.0  | 66       | -            | -            |              |              | 16          | 0.0006         |
| sult4              | s                    | 45                        | ND       | ND      | ND       | ND     | ND             | ND           | ND           | ND           | ND           | ND          | ND             | 53.7                      | ND        | ND     | ND                  | ND   | ND       | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result⁴ | М                    | 57.3                      | ND       | ND      | ND       | ND     | ND             | ND           | ND           | ND           | ND           | ND          | ND             | 60                        | ND        | ND     | ND                  | ND   | ND       | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy              | В                    | 74.7                      | ND       | ND      | ND       | ND     | ND             | ND           | ND           | ND           | ND           | ND          | ND             | 77.6                      | ND        | ND     | ND                  | ND   | ND       | ND           | ND           | ND           | ND           | ND          | ND             |

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

|                    | Surve                | ey Date                   |         |          |         |                |         |              |              |              |              |             |                | 11/09                     | 9/2018    |                     |        |         |          |              |              |              |              |             |                |
|--------------------|----------------------|---------------------------|---------|----------|---------|----------------|---------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|---------------------|--------|---------|----------|--------------|--------------|--------------|--------------|-------------|----------------|
|                    | Surve                | у Туре                    |         |          |         |                |         |              |              |              |              |             |                | V - Vess                  | sel Based |                     |        |         |          |              |              |              |              |             |                |
| Co                 | onstruct             | ity                       | DBF     | RI - De  | bris Re | moval          |         | Com          | nents        |              |              |             |                |                           |           |                     |        |         |          |              |              |              |              |             |                |
|                    | T                    | ide                       |         |          |         |                |         |              |              |              |              |             |                | FI                        | ood       |                     |        |         |          |              |              |              |              |             |                |
|                    |                      | Location                  |         |          |         |                |         |              |              |              |              |             |                | В                         | 171       |                     |        |         |          |              |              |              |              |             |                |
| Sam<br>Loca        | tion                 |                           |         |          | Upcu    | rrent (A       | mbien   | t)           |              |              |              |             |                |                           |           |                     |        | Downcur | rent     |              |              |              |              |             |                |
| Distan<br>Soui     |                      |                           | Appro   | x. 500 - | 1000 f  | t <sup>1</sup> |         |              |              |              |              |             |                |                           |           | 500 ft <sup>2</sup> | 2      |         |          |              |              |              |              |             |                |
| Sample ID          |                      |                           |         |          |         | 110            | 918-DBF | RI-F-U       |              |              |              |             |                |                           |           |                     |        | 11      | 0918-DBF | RI-F-D       |              |              |              |             |                |
| Sample             | Time                 |                           |         |          |         |                | 09:49   |              |              |              |              |             |                |                           |           |                     |        |         | 09:28    |              |              |              |              |             |                |
|                    |                      | pəl                       |         |          |         |                |         |              | PO           | СВ           |              |             | ne             | pəl                       |           |                     |        |         |          |              | PC           | СВ           |              |             | ae l           |
| Parameter          |                      | Total Suspended<br>Solids | Mercury | Nickel   | Copper  | Lead           | Zinc    | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel              | Copper | Lead    | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                 | it                   | (ppm)                     |         |          |         |                | (       | ppb)         |              |              |              |             |                | (ppm)                     |           |                     |        |         | (        | (ppb)        |              | •            | •            |             |                |
| Detection          | n Limit <sup>3</sup> | Ambient +<br>100          | 0.07    | 3.7      | 2.6     | 1.8            | 5.6     | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7                 | 2.6    | 1.8     | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water C<br>Stand   | -                    | *                         | 0.0007  | 8.2      | 5.6     | 8.0            | 66      | -            | -            |              |              | 16          | 0.0006         | *                         | 0.0007    | 8.2                 | 5.6    | 8.0     | 66       | -            | -            | -            |              | 16          | 0.0006         |
| sult4              | s                    | 50.3                      | ND      | ND       | ND      | ND             | ND      | ND           | ND           | ND           | ND           | ND          | ND             | 54.3                      | ND        | ND                  | ND     | ND      | ND       | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result⁴ | М                    | 90                        | ND      | ND       | ND      | ND             | ND      | ND           | ND           | ND           | ND           | ND          | ND             | 79                        | ND        | ND                  | ND     | ND      | ND       | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy              | В                    | 111                       | ND      | ND       | ND      | ND             | ND      | ND           | ND           | ND           | ND           | ND          | ND             | 58.3                      | ND        | ND                  | ND     | ND      | ND       | ND           | ND           | ND           | ND           | ND          | ND             |

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <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

|                    | Surve    | ey Date                                   |         |        |                   |          |          |              |                |              |              |             |                | 11/09                     | 9/2018    |        |        |         |                     |              |              |              |              |             |                |
|--------------------|----------|---|---------|--------|-------------------|----------|----------|--------------|----------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|---------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                    | Surve    | у Туре                                    |         |        |                   |          |          |              |                |              |              |             |                | V - Ves                   | sel Based | l      |        |         |                     |              |              |              |              |             |                |
| C                  | onstruct | ion Activi                                |         |        | ber Pil<br>on Ren |          |          | Com          | nents          |              |              |             |                |                           |           |        |        |         |                     |              |              |              |              |             |                |
|                    | T        | ide                                       |         |        |                   |          |          |              |                |              |              |             |                | FI                        | ood       |        |        |         |                     |              |              |              |              |             |                |
|                    |          | Location                                  |         |        |                   |          |          |              |                |              |              |             |                | В                         | 100       |        |        |         |                     |              |              |              |              |             |                |
| Sam<br>Loca        | tion     |   |         |        | Upcu              | rrent (A | mbien    | t)           |                |              |              |             |                |                           |           |        |        | Downcur | rent                |              |              |              |              |             |                |
| Distan<br>Sou      |          |   |         |        |                   | Appro    | x. 500 - | 1000 f       | t <sup>1</sup> |              |              |             |                |                           |           |        |        |         | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp               | le ID    |   |         |        |                   | 110      | 918-TIP  | C-F-U        |                |              |              |             |                |                           |           |        |        | 11      | 0918-TIP            | C-F-D        |              |              |              |             |                |
| Sample             | Time     |   |         |        |                   |          | 10:13    |              |                |              |              |             |                |                           |           |        |        |         | 10:00               | 1            |              |              |              |             |                |
|                    |          |   |         |        |                   |          |          |              |                |              |              |             |                | pe                        |           |        |        |         |                     |              | P            | СВ           |              |             | Je L           |
| Parameter          |          | Total Suspended<br>Solids                 | Mercury | Nickel | Copper            | Lead     | Zinc     | Aroclor 1242 | Aroclor 1248   | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead    | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                 | it       | (ppm)                                     |         |        |                   |          | (        | ppb)         |                |              | •            |             |                | (ppm)                     |           | •      | •      | •       |                     | (ppb)        |              |              |              |             |                |
| Detectio           | n Limit³ | Ambient +<br>100                          | 0.07    | 3.7    | 2.6               | 1.8      | 5.6      | 0.2          | 0.2            | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8     | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water (            | -        | *   | 0.0007  | 8.2    | 5.6               | 8.0      | 66       | -            | -              |              |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0     | 66                  | -            |              |              | -            | 16          | 0.0006         |
| sult4              | s        | 45 ND |         |        |                   |          |          |              |                |              |              |             | ND             | 69.5                      | ND        | ND     | ND     | ND      | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result⁴ | М        |   |         |        |                   |          | NS       |              |                |              |              |             |                |                           |           |        |        |         | NS                  |              |              |              |              |             |                |
| Analy              | В        | 95  | ND      | ND     | ND                | ND       | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 83                        | ND        | ND     | ND     | ND      | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <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.

|                                   | Surve                | ey Date                   |         |          |          |                |          |              |              |              |              |             |                | 11/09                     | 9/2018    |                     |        |      |          |              |              |              |              |             |                |
|-----------------------------------|----------------------|---------------------------|---------|----------|----------|----------------|----------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|---------------------|--------|------|----------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                   | Surve                | у Туре                    |         |          |          |                |          |              |              |              |              |             |                | V - Vess                  | sel Based |                     |        |      |          |              |              |              |              |             |                |
| Co                                | nstruct              | ion Activi                |         | JETT     | - Jettin | g              |          | Comi         | nents        |              |              |             |                |                           |           |                     |        |      |          |              |              |              |              |             |                |
|                                   | Т                    | ide                       |         |          |          |                |          |              |              |              |              |             |                | Fle                       | ood       |                     |        |      |          |              |              |              |              |             |                |
|                                   |                      | Location                  |         |          |          |                |          |              |              |              |              |             |                | B <sup>2</sup>            | 173       |                     |        |      |          |              |              |              |              |             |                |
| Sample<br>Location<br>Distance to |                      |                           |         |          |          | Upcu           | rrent (A | mbien        | t)           |              |              |             |                |                           |           |                     |        | I    | Downcur  | rent         |              |              |              |             |                |
| Distan<br>Sour                    |                      |                           | Appro   | x. 500 - | 1000 f   | t <sup>1</sup> |          |              |              |              |              |             |                |                           |           | 500 ft <sup>2</sup> | 2      |      |          |              |              |              |              |             |                |
| Samp                              | le ID                |                           |         |          |          | 110            | 918-JET  | T-F-U        |              |              |              |             |                |                           |           |                     |        | 11   | 0918-JET | T-F-D        |              |              |              |             |                |
| Sample                            | Time                 |                           |         |          |          |                | 12:06    |              |              |              |              |             |                |                           |           |                     |        |      | 11:48    |              |              |              |              |             |                |
|                                   |                      | pəl                       |         |          |          |                |          |              | P            | В            |              |             | ne             | pəl                       |           |                     |        |      |          |              | PC           | В            | ,            |             | ae l           |
| Parameter                         |                      | Total Suspended<br>Solids | Mercury | Nickel   | Copper   | Lead           | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel              | Copper | Lead | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                                | it                   | (ppm)                     |         |          |          |                | (        | ppb)         |              |              |              |             |                | (ppm)                     |           |                     |        |      | (        | (ppb)        |              | •            | •            |             |                |
| Detection                         | n Limit <sup>3</sup> | Ambient +<br>100          | 0.07    | 3.7      | 2.6      | 1.8            | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7                 | 2.6    | 1.8  | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water C<br>Stand                  | -                    | *                         | 0.0007  | 8.2      | 5.6      | 8.0            | 66       | -            | -            |              |              | 16          | 0.0006         | *                         | 0.0007    | 8.2                 | 5.6    | 8.0  | 66       | -            | -            |              |              | 16          | 0.0006         |
| sult4                             | s                    | 38.3                      | ND      | ND       | ND       | ND             | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 66                        | ND        | ND                  | ND     | ND   | ND       | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup>    | М                    | 70                        | ND      | ND       | ND       | ND             | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 77.5                      | ND        | ND                  | ND     | ND   | ND       | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                             | В                    | 126                       | ND      | ND       | ND       | ND             | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 88.5                      | ND        | ND                  | ND     | ND   | ND       | ND           | ND           | ND           | ND           | ND          | ND             |

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <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

|                                | Surve                        | ey Date                            |         |        |            |         |       |              |              |              |              |             |                | 11/13                     | 3/2018    |        |        |         |           |              |              |              |              |             |                |
|--------------------------------|------------------------------|------------------------------------|---------|--------|------------|---------|-------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|---------|-----------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve                        | у Туре                             |         |        |            |         |       |              |              |              |              |             |                | V - Vess                  | sel Based |        |        |         |           |              |              |              |              |             |                |
| c                              | onstruct                     | ion Activ                          | ity     | SID    | l - Silt I | Displac | ement |              | Com          | nents        |              |             |                |                           |           |        |        |         |           |              |              |              |              |             |                |
|                                | Т                            | ide                                |         |        |            |         |       |              |              |              |              |             |                | Fl                        | ood       |        |        |         |           |              |              |              |              |             |                |
|                                |                              | Location                           |         |        |            |         |       |              |              |              |              |             |                | В                         | 180       |        |        |         |           |              |              |              |              |             |                |
| Loca                           | nple<br>ation                | Upcurrent (Ambient)                |         |        |            |         |       |              |              |              |              |             |                |                           |           |        |        | Downcur | rent      |              |              |              |              |             |                |
| Distar<br>Sou                  |                              | Approx. 500 - 1000 ft <sup>1</sup> |         |        |            |         |       |              |              |              |              |             |                |                           |           |        |        |         | 500 ft    | 2            |              |              |              |             |                |
| Samp                           | ole ID                       | 111318-SIDI-F-U                    |         |        |            |         |       |              |              |              |              |             |                |                           |           |        |        | 11      | 11318-SIE | DI-F-D       |              |              |              |             |                |
| Sample                         | e Time                       |                                    |         |        |            |         | 11:39 |              |              |              |              |             |                |                           |           |        |        |         | 11:24     |              |              |              |              |             |                |
|                                |                              | pa                                 |         |        |            |         |       |              | P            | В            |              |             | Je J           | pa                        |           |        |        |         |           |              | P            | СВ           |              |             | Je             |
| O                              |                              | Total Suspended<br>Solids          | Mercury | Nickel | Copper     | Lead    | Zinc  | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead    | Zinc      | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Uı                             | nit                          | (ppm)                              |         |        |            |         | (     | ppb)         |              |              | •            |             |                | (ppm)                     |           |        |        | •       |           | (ppb)        |              |              |              |             |                |
| Detection                      | on Limit <sup>3</sup>        | Ambient +<br>100                   | 0.07    | 3.7    | 2.6        | 1.8     | 5.6   | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8     | 5.6       | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water (                        | Quality<br>dard <sup>3</sup> | *                                  | 0.0007  | 8.2    | 5.6        | 8.0     | 66    |              | ı            | -            |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0     | 66        |              |              |              |              | 16          | 0.0006         |
| ssult⁴                         | s                            | 16.5                               | ND      | ND     | ND         | ND      | ND    | ND           | ND           | ND           | ND           | ND          | ND             | 31.7                      | ND        | ND     | ND     | ND      | ND        | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М                            |                                    | NS      |        |            |         |       |              |              |              |              |             |                |                           |           |        |        |         | NS        |              |              |              |              |             |                |
| Analy                          | В                            | 31.3                               | ND      | ND     | ND         | ND      | ND    | ND           | ND           | ND           | ND           | ND          | ND             | 43.5                      | ND        | ND     | ND     | ND      | ND        | ND           | ND           | ND           | ND           | ND          | ND             |

- <sup>1</sup> Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <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.

|                                | Surve    | ey Date                            |                 |        |          |         |       |              |              |              |              |             |                | 11/14                     | 1/2018    |        |        |                     |          |              |              |              |              |             |                |
|--------------------------------|----------|------------------------------------|-----------------|--------|----------|---------|-------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|---------------------|----------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve    | у Туре                             |                 |        |          |         |       |              |              |              |              |             |                | V - Vess                  | sel Based |        |        |                     |          |              |              |              |              |             |                |
| Co                             | nstructi | ion Activ                          | ity             | SIDI   | - Silt I | Displac | ement |              | Com          | nents        |              |             |                |                           |           |        |        |                     |          |              |              |              |              |             |                |
|                                | Ti       | ide                                |                 |        |          |         |       |              |              |              |              |             |                | E                         | bb        |        |        |                     |          |              |              |              |              |             |                |
|                                |          | Location                           |                 |        |          |         |       |              |              |              |              |             |                | В                         | 180       |        |        |                     |          |              |              |              |              |             |                |
| Sam<br>Loca                    | tion     | Upcurrent (Ambient)                |                 |        |          |         |       |              |              |              |              |             |                |                           |           |        |        | l                   | Downcur  | rent         |              |              |              |             |                |
| Distan<br>Sou                  |          | Approx. 500 - 1000 ft <sup>1</sup> |                 |        |          |         |       |              |              |              |              |             |                |                           |           |        |        | 600 ft <sup>2</sup> | 2        |              |              |              |              |             |                |
| Samp                           | le ID    |                                    | 111418-SIDI-E-U |        |          |         |       |              |              |              |              |             |                |                           |           |        |        | 11                  | 1418-SIE | DI-E-D       |              |              |              |             |                |
| Sample                         | Time     |                                    |                 |        |          |         | 09:15 |              |              |              |              |             |                |                           |           |        |        |                     | 09:01    |              |              |              |              |             |                |
|                                |          | pə                                 |                 |        |          |         |       |              | P            | СВ           |              |             |                | pə                        |           |        |        |                     |          |              | P            | СВ           |              |             | _ e            |
| Parameter                      |          | Total Suspended<br>Solids          | Mercury         | Nickel | Copper   | Lead    | Zinc  | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead                | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it       | (ppm)                              |                 |        | •        |         | (     | ppb)         |              |              |              | •           | •              | (ppm)                     |           | •      | •      | •                   | . (      | (ppb)        | •            |              | •            |             | •              |
| Detec<br>Lim                   |          | Ambient +<br>100                   | 0.07            | 3.7    | 2.6      | 1.8     | 5.6   | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8                 | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water C<br>Stand               |          | *                                  | 0.0007          | 8.2    | 5.6      | 8.0     | 66    | -            |              | _            | _            | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0                 | 66       |              |              | _            |              | 16          | 0.0006         |
| ssult <sup>4</sup>             | s        | 51                                 | ND              | ND     | ND       | ND      | ND    | ND           | ND           | ND           | ND           | ND          | ND             | 44                        | ND        | ND     | ND     | ND                  | ND       | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М        |                                    | NS              |        |          |         |       |              |              |              |              |             |                |                           |           |        |        |                     | NS       |              |              |              |              |             |                |
| Analy                          | В        | 46.3                               | ND              | ND     | ND       | ND      | ND    | ND           | ND           | ND           | ND           | ND          | ND             | 50.7                      | ND        | ND     | ND     | ND                  | ND       | ND           | ND           | ND           | ND           | ND          | ND             |

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected as close to the edge of the 500 ft mixing zone 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.

|                                | Surv     | ey Date                   |         |        |        |                   |          |              |                 |              |              |             |                | 11/14                     | 1/2018    |        |        |      |                     |              |              |              |              |             |                |
|--------------------------------|----------|---------------------------|---------|--------|--------|-------------------|----------|--------------|-----------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve    | у Туре                    |         |        |        |                   |          |              |                 |              |              |             |                | V - Vess                  | sel Based |        |        |      |                     |              |              |              |              |             |                |
| Co                             | onstruct | ion Activ                 | ity     |        |        | iber Pi<br>on Ren |          |              | Com             | ments        |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
|                                | Т        | ide                       |         |        |        |                   |          |              |                 |              |              |             |                | E                         | bb        |        |        |      |                     |              |              |              |              |             |                |
|                                |          | Location                  |         |        |        |                   |          |              |                 |              |              |             |                | В                         | 40        |        |        |      |                     |              |              |              |              |             |                |
| Sam<br>Loca                    | tion     |                           |         |        |        | Upcu              | rrent (A | mbien        | t)              |              |              |             |                |                           |           |        |        | ı    | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Sou                  |          |                           |         |        |        | Appro             | x. 500 - | 1000 1       | ft <sup>1</sup> |              |              |             |                |                           |           |        |        |      | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | le ID    |                           |         |        |        | 111               | 418-TIP  | C-E-U        |                 |              |              |             |                |                           |           |        |        | 11   | 1418-TIP            | C-E-D        |              |              |              |             |                |
| Sample                         | Time     |                           |         |        |        |                   | 10:06    |              |                 |              |              |             |                |                           |           |        |        |      | 09:55               |              |              |              |              |             |                |
|                                |          | pə                        |         |        |        |                   |          |              | PO              | СВ           |              |             | l e            | pə                        |           |        |        |      |                     |              | PC           | В            |              |             | l e            |
| Parameter                      |          | Total Suspended<br>Solids | Mercury | Nickel | Copper | Lead              | Zinc     | Aroclor 1242 | Aroclor 1248    | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it       | (ppm)                     |         |        |        |                   | (        | (ppb)        | •               | •            |              |             |                | (ppm)                     |           |        |        |      | (                   | (ppb)        |              |              |              |             |                |
| Detec<br>Lim                   |          | Ambient +<br>100          | 0.07    | 3.7    | 2.6    | 1.8               | 5.6      | 0.2          | 0.2             | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water 0                        | -        | *                         | 0.0007  | 8.2    | 5.6    | 8.0               | 66       | -            |                 | _            | _            | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66                  |              | -            | ı            |              | 16          | 0.0006         |
| ssulf <sup>4</sup>             | s        |                           |         |        |        |                   | NS       |              |                 |              |              |             |                |                           |           |        |        |      | NS                  |              |              |              |              |             |                |
| Analytical Result <sup>4</sup> | М        | 19.5                      | ND      | ND     | ND     | ND                | ND       | ND           | ND              | ND           | ND           | ND          | ND             | 18                        | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                          | В        |                           | 1       |        |        |                   | NS       |              |                 |              |              |             |                |                           |           |        |        |      | NS                  |              |              |              |              |             |                |

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <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.

|                                | Surve    | y Date                    |         |        |         |         |          |              |              |              |              |             |                | 11/15                     | 5/2018    |        |        |      |                     |              |              |              |              |             |                |
|--------------------------------|----------|---------------------------|---------|--------|---------|---------|----------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve    | у Туре                    |         |        |         |         |          |              |              |              |              |             |                | V - Vess                  | sel Based |        |        |      |                     |              |              |              |              |             |                |
| Co                             | nstructi | ion Activ                 | ity     | DBF    | RI - De | bris Re | moval    |              | Com          | nents        |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
|                                | Ti       | ide                       |         |        |         |         |          |              |              |              |              |             |                | Е                         | bb        |        |        |      |                     |              |              |              |              |             |                |
|                                |          | Location                  |         |        |         |         |          |              |              |              |              |             |                | B <sup>.</sup>            | 185       |        |        |      |                     |              |              |              |              |             |                |
| Sam<br>Loca                    |          |                           |         |        |         | Upcu    | rrent (A | mbien        | t)           |              |              |             |                |                           |           |        |        | ı    | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Sou                  |          |                           |         |        |         | Appro   | x. 500 - | 1000 f       | t¹           |              |              |             |                |                           |           |        |        |      | 300 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | le ID    |                           |         |        |         | 111     | 518-DBF  | RI-E-U       |              |              |              |             |                |                           |           |        |        | 11   | 1518-DBI            | RI-E-D       |              |              |              |             |                |
| Sample                         | Time     |                           |         |        |         |         | 09:28    |              |              |              |              |             |                |                           |           |        |        |      | 09:11               |              |              |              |              |             |                |
| Parameter                      |          | Total Suspended<br>Solids | Mercury | Nickel | Copper  | Lead    | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it       | (ppm)                     |         |        |         |         | (        | ppb)         |              |              |              |             |                | (ppm)                     |           |        |        |      | (                   | (ppb)        | •            |              |              |             |                |
| Detec<br>Lim                   |          | Ambient +<br>100          | 0.07    | 3.7    | 2.6     | 1.8     | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water C<br>Stand               |          | *                         | 0.0007  | 8.2    | 5.6     | 8.0     | 66       | ı            |              | _            | _            | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66                  |              |              | _            |              | 16          | 0.0006         |
| ssult <sup>4</sup>             | s        | 25.3                      | ND      | ND     | ND      | ND      | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 30.3                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М        |                           | NS      |        |         |         |          |              |              |              |              |             |                |                           |           |        |        |      | NS                  |              |              |              |              |             |                |
| Analy                          | В        | 26.8                      | ND      | ND     | ND      | ND      | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 40                        | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

|                                | Surv    | ey Date                   |         |        |        |                   |                 |              |              |              |              |             |                | 11/15                     | 5/2018    |        |        |      |                     |              |              |              |              |             |                |
|--------------------------------|---------|---------------------------|---------|--------|--------|-------------------|-----------------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve   | у Туре                    |         |        |        |                   |                 |              |              |              |              |             |                | V - Ves                   | sel Based |        |        |      |                     |              |              |              |              |             |                |
| Co                             | nstruct | ion Activ                 | ity     |        |        | nber Pi<br>on Ren | le Cap<br>noval |              | Com          | nents        |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
|                                | Т       | ide                       |         |        |        |                   |                 |              |              |              |              |             |                | E                         | bb        |        |        |      |                     |              |              |              |              |             |                |
|                                |         | Location                  |         |        |        |                   |                 |              |              |              |              |             |                | В                         | 51        |        |        |      |                     |              |              |              |              |             |                |
| Sam<br>Loca                    | •       |                           |         |        |        | Upcu              | rrent (A        | mbien        | t)           |              |              |             |                |                           |           |        |        | ı    | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Sou                  |         |                           |         |        |        | Appro             | x. 500 -        | 1000 1       | t¹           |              |              |             |                |                           |           |        |        |      | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | le ID   |                           |         |        |        | 111               | 518-TIP         | C-E-U        |              |              |              |             |                |                           |           |        |        | 11   | 1518-TIP            | C-E-D        |              |              |              |             |                |
| Sample                         | Time    |                           |         |        |        |                   | 10:50           | 1            |              |              |              |             |                |                           |           |        |        |      | 10:41               |              |              |              |              |             |                |
|                                |         | pə                        |         |        |        |                   |                 |              | PO           | СВ           |              |             | l e            | pə                        |           |        |        |      |                     |              | PC           | В            |              |             | g e            |
| Parameter                      |         | Total Suspended<br>Solids | Mercury | Nickel | Copper | Lead              | Zinc            | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it      | (ppm)                     |         |        |        |                   |                 | (ppb)        |              |              |              |             |                | (ppm)                     |           |        |        |      | (                   | ppb)         |              |              |              |             |                |
| Detec<br>Lim                   |         | Ambient +<br>100          | 0.07    | 3.7    | 2.6    | 1.8               | 5.6             | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          | -           | 0.1            |
| Water C                        |         | *                         | 0.0007  | 8.2    | 5.6    | 8.0               | 66              | -            |              | -            | _            | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66                  |              | 1            | 1            | 1            | 16          | 0.0006         |
| ssulf <sup>4</sup>             | s       |                           |         |        |        |                   | NS              |              |              |              |              |             |                |                           |           |        |        |      | NS                  |              |              |              |              |             |                |
| Analytical Result <sup>4</sup> | М       | 141                       | ND      | ND     | ND     | ND                | ND              | ND           | ND           | ND           | ND           | ND          | ND             | 13.5                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                          | В       |                           | •       |        |        |                   | NS              |              |              |              | •            |             | •              |                           | •         |        |        |      | NS                  |              |              |              |              |             |                |

- 1 Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible
- <sup>2</sup> Samples collected at the edge of the 500 ft mixing zone
- <sup>3</sup> Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14
- <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.

|                                | Surve    | ey Date                       |  |        |        |          |          |              |                |              |              |             |                | 11/15                     | 5/2018    |        |        |      |          |              |              |              |              |             |                |
|--------------------------------|----------|-------------------------------|--|--------|--------|----------|----------|--------------|----------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|----------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve    | у Туре                        |  |        |        |          |          |              |                |              |              |             |                | V - Vess                  | sel Based |        |        |      |          |              |              |              |              |             |                |
| Co                             | nstructi | ion Activ                     | ity  |        | JETT   | - Jettir | g        |              | Com            | nents        |              |             |                |                           |           |        |        |      |          |              |              |              |              |             |                |
|                                | Ti       |                               |  |        |        |          |          |              |                |              |              |             | E              | bb                        |           |        |        |      |          |              |              |              |              |             |                |
|                                |          | Location  Upcurrent (Ambient) |  |        |        |          |          |              |                |              |              |             | В              | 173                       |           |        |        |      |          |              |              |              |              |             |                |
| Sam<br>Loca                    |          |                               |  |        |        | Upcu     | rrent (A | mbien        | t)             |              |              |             |                |                           |           |        |        | 1    | Downcur  | rent         |              |              |              |             |                |
| Distan<br>Sou                  |          |                               |  |        |        | Appro    | x. 500 - | 1000 1       | t <sup>1</sup> |              |              |             |                |                           |           |        |        |      | 500 ft   | 2            |              |              |              |             |                |
| Samp                           | le ID    |                               | Approx. 500 - 1000 ft <sup>1</sup> 111518-JETT-E-U |        |        |          |          |              |                |              |              |             |                |                           |           |        |        | 11   | 1518-JET | T-E-D        |              |              |              |             |                |
| Sample                         | Time     |                               |  |        |        |          | 11:32    |              |                |              |              |             |                |                           |           |        |        |      | 11:12    |              |              |              |              |             |                |
|                                |          | pa                            |  |        |        |          |          |              | P              | СВ           |              |             |                | pə                        |           |        |        |      |          |              | P            | СВ           |              |             | l e            |
| Parameter                      |          | Total Suspended<br>Solids     | Mercury  | Nickel | Copper | Lead     | Zinc     | Aroclor 1242 | Aroclor 1248   | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it       | (ppm)                         |  |        |        |          | (        | ppb)         |                |              |              |             |                | (ppm)                     |           |        |        |      | . (      | (ppb)        |              |              |              |             |                |
| Detec<br>Lim                   |          | Ambient +<br>100              | 0.07   | 3.7    | 2.6    | 1.8      | 5.6      | 0.2          | 0.2            | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water G<br>Stand               |          | *                             | 0.0007   | 8.2    | 5.6    | 8.0      | 66       | -            |                | -            | _            | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66       |              |              | -            | -            | 16          | 0.0006         |
| ssult <sup>4</sup>             | s        | 10.5                          | ND   | ND     | ND     | ND       | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 13.5                      | ND        | ND     | ND     | ND   | ND       | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М        | 9.5                           | ND   | ND     | ND     | ND       | ND       | ND           | ND             | ND           | ND           | ND          | 12.5           | ND                        | ND        | ND     | ND     | ND   | ND       | ND           | ND           | ND           | ND           | ND          |                |
| Analy                          | В        | 21.5                          | ND   | ND     | ND     | ND       | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 22.8                      | ND        | ND     | ND     | ND   | ND       | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

No detection limit or water quality standard

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

|                                | Surv     | ey Date                   |         |        |        |          |          |              |              |              |              |             |                | 11/19                     | 9/2018    |        |        |       |                     |              |              |              |              |             |                |
|--------------------------------|----------|---------------------------|---------|--------|--------|----------|----------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|-------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve    | у Туре                    |         |        |        |          |          |              |              |              |              |             |                | V - Vess                  | sel Basec |        |        |       |                     |              |              |              |              |             |                |
| Co                             | onstruct | ion Activ                 | ity     |        | JETT   | - Jettir | ng       |              | Com          | ments        |              |             |                |                           |           |        |        |       |                     |              |              |              |              |             |                |
|                                | Т        | ide                       |         |        |        |          |          |              |              |              |              |             |                | E                         | bb        |        |        |       |                     |              |              |              |              |             |                |
|                                |          | Location                  |         |        |        |          |          |              |              |              |              |             |                | B <sup>-</sup>            | 173       |        |        |       |                     |              |              |              |              |             |                |
| Sam<br>Loca                    | tion     |                           |         |        |        | Upcu     | rrent (A | mbien        | t)           |              |              |             |                |                           |           |        |        | ı     | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Sou                  |          |                           |         |        |        | Appro    | x. 500 - | 1000 1       | t¹           |              |              |             |                |                           |           |        |        |       | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | le ID    |                           | 918-JET | T-E-U  |        |          |          |              |              |              |              |             |                | 11                        | 1918-JET  | T-E-D  |        |       |                     |              |              |              |              |             |                |
| Sample                         | Time     | _                         |         |        |        | 09:40    |          |              |              |              |              | _           | _              | _                         |           |        |        | 09:12 |                     |              |              |              |              |             |                |
|                                |          | pə                        |         |        |        |          |          |              | P            | СВ           | 1            |             | ле             | pə                        |           |        |        |       |                     |              | P            | СВ           | ı            |             | ЭE             |
| Parameter                      |          | Total Suspended<br>Solids | Mercury | Nickel | Copper | Lead     | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead  | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it       | (ppm)                     |         |        |        |          | (        | (ppb)        |              |              |              |             |                | (ppm)                     |           |        |        |       | (                   | ppb)         |              |              |              |             |                |
| Detec<br>Lim                   |          | Ambient +<br>100          | 0.07    | 3.7    | 2.6    | 1.8      | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8   | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water C                        | -        | *                         | 0.0007  | 8.2    | 5.6    | 8.0      | 66       |              |              |              |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0   | 66                  | I            |              |              | -            | 16          | 0.0006         |
| esult <sup>4</sup>             | S        | 10                        | ND      | ND     | ND     | ND       | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 9.6                       | ND        | ND     | ND     | ND    | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М        | 16                        | ND      | ND     | ND     | ND       | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 15.8                      | ND        | ND     | ND     | ND    | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analı                          | В        | 28.4                      | ND      | ND     | ND     | ND       | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 38                        | ND        | ND     | ND     | ND    | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                                | Surve   | ey Date                   |         |        |         |         |          |              |                 |              |              |             |                | 11/19                     | 9/2018   |        |        |      |                     |              |              |              |              |             |                |
|--------------------------------|---------|---------------------------|---------|--------|---------|---------|----------|--------------|-----------------|--------------|--------------|-------------|----------------|---------------------------|----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve   | у Туре                    |         |        |         |         |          |              |                 |              |              |             |                | V - Vess                  | el Based |        |        |      |                     |              |              |              |              |             |                |
| Co                             | nstruct | ion Activ                 | ity     | DBF    | RI - De | bris Re | moval    |              | Comr            | nents        |              |             |                |                           |          |        |        |      |                     |              |              |              |              |             |                |
|                                | T       | ide                       |         |        |         |         |          |              |                 |              |              |             |                |                           | bb       |        |        |      |                     |              |              |              |              |             |                |
|                                |         | Location                  |         |        |         |         |          |              |                 |              |              |             |                | В                         | 185      |        |        |      |                     |              |              |              |              |             |                |
| Sam<br>Loca                    | tion    |                           |         |        |         | Upcu    | rrent (A | mbien        | t)              |              |              |             |                |                           |          |        |        |      | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Sou                  |         |                           |         |        |         | Appro   | x. 500 - | 1000 1       | it <sup>1</sup> |              |              |             |                |                           |          |        |        |      | 100 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | le ID   |                           |         |        |         | 111     | 918-DBF  | RI-E-U       |                 |              |              |             |                |                           |          |        |        | 11   | 1918-DBI            | RI-E-D       |              |              |              |             |                |
| Sample                         | Time    |                           |         |        |         |         | 10:05    |              |                 |              |              |             |                |                           |          |        |        |      | 09:57               |              |              |              |              |             |                |
|                                |         | per                       |         |        |         |         |          |              | PC              | СВ           |              | o)          | ne             | per                       |          |        |        |      |                     |              | P            | СВ           |              | ø.          | ne             |
| Parameter                      |         | Total Suspended<br>Solids | Mercury | Nickel | Copper  | Lead    | Zinc     | Aroclor 1242 | Aroclor 1248    | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury  | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it      | (ppm)                     |         |        |         |         | (        | ppb)         |                 |              |              |             |                | (ppm)                     |          |        |        |      | (                   | ppb)         |              |              |              |             |                |
| Detec<br>Lim                   |         | Ambient +<br>100          | 0.07    | 3.7    | 2.6     | 1.8     | 5.6      | 0.2          | 0.2             | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07     | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water C                        |         | *                         | 0.0007  | 8.2    | 5.6     | 8.0     | 66       |              |                 |              |              | 16          | 0.0006         | *                         | 0.0007   | 8.2    | 5.6    | 8.0  | 66                  |              |              |              |              | 16          | 0.0006         |
| esult <sup>4</sup>             | S       |                           |         |        |         |         | NS       |              |                 |              |              |             |                |                           |          |        |        |      | NS                  |              |              |              |              |             |                |
| Analytical Result <sup>4</sup> | М       | 14.2                      | ND      | ND     | ND      | ND      | ND       | ND           | ND              | ND           | ND           | ND          | ND             | 28.6                      | ND       | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Anal)                          | В       |                           |         |        |         |         | NS       |              |                 |              |              |             |                |                           |          |        |        |      | NS                  |              |              |              |              |             |                |

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

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

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

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

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

<sup>--</sup> No detection limit or water quality standard

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

ND = Not Detected

|                                | Surv                | ey Date                            |         |        |        |                   |         |              |              |              |              |             |                | 11/19                     | 9/2018    |        |        |                     |          |              |              |              |              |             |                |
|--------------------------------|---------------------|------------------------------------|---------|--------|--------|-------------------|---------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|---------------------|----------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve               | у Туре                             |         |        |        |                   |         |              |              |              |              |             |                | V - Vess                  | sel Basec | l      |        |                     |          |              |              |              |              |             |                |
| Co                             | nstruct             | ion Activ                          | ity     |        |        | iber Pi<br>on Ren |         |              | Comr         | nents        |              |             |                |                           |           |        |        |                     |          |              |              |              |              |             |                |
|                                | Т                   | ide                                |         |        |        |                   |         |              |              |              |              |             |                | E                         | bb        |        |        |                     |          |              |              |              |              |             |                |
|                                |                     | Location                           |         |        |        |                   |         |              |              |              |              |             |                | B <sup>.</sup>            | 106       |        |        |                     |          |              |              |              |              |             |                |
|                                | Sample Upcurrent (A |                                    |         |        |        |                   |         |              |              |              |              |             |                |                           |           |        |        | ı                   | Downcur  | rent         |              |              |              |             |                |
| Distan<br>Sou                  |                     | Approx. 500 - 1000 ft <sup>1</sup> |         |        |        |                   |         |              |              |              |              |             |                |                           |           |        |        | 500 ft <sup>2</sup> | 2        |              |              |              |              |             |                |
| Samp                           | le ID               |                                    |         |        |        | 111               | 918-TIP | C-E-U        |              |              |              |             |                |                           |           |        |        | 11                  | 1918-TIP | C-E-D        |              |              |              |             |                |
| Sample                         | Time                |                                    |         |        |        |                   | 10:48   |              |              |              |              |             |                |                           |           |        |        |                     | 10:33    |              |              |              |              |             |                |
|                                |                     | ed                                 |         |        |        |                   |         |              | P            | СВ           |              |             | ле             | pə                        |           |        |        |                     |          |              | P            | СВ           |              |             | ле             |
| Parameter                      |                     | Total Suspended<br>Solids          | Mercury | Nickel | Copper | Lead              | Zinc    | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead                | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it                  | (ppm)                              |         |        |        |                   | (       | ppb)         |              |              |              |             |                | (ppm)                     |           |        |        |                     | (        | ppb)         | •            | •            |              |             |                |
| Detec<br>Lim                   |                     | Ambient +<br>100                   | 0.07    | 3.7    | 2.6    | 1.8               | 5.6     | 0.2          | 0.2          | 0.2          | 0.2          | 1           | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8                 | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          | -           | 0.1            |
| Water C                        | - 1                 | *                                  | 0.0007  | 8.2    | 5.6    | 8.0               | 66      | 1            | 1            | -            |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0                 | 66       | -            |              |              |              | 16          | 0.0006         |
| esult <sup>4</sup>             | S                   | 15.4                               | ND      | ND     | ND     | ND                | ND      | ND           | ND           | ND           | ND           | ND          | ND             | 14.2                      | ND        | ND     | ND     | ND                  | ND       | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М                   |                                    | NS      |        |        |                   |         |              |              |              |              |             |                |                           |           |        |        |                     | NS       |              |              |              |              |             |                |
| Anal                           | В                   | 18.2                               | ND      | ND     | ND     | ND                | ND      | ND           | ND           | ND           | ND           | ND          | ND             | 14.4                      | ND        | ND     | ND     | ND                  | ND       | ND           | ND           | ND           | ND           | ND          | ND             |

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

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

ND = Not Detected

|                                | Surv     | ey Date                   |         |        |        |                |          |              |              |              |              |             |                | 11/19                     | 9/2018    |        |        |      |                     |              |              |              |              |             |                |
|--------------------------------|----------|---------------------------|---------|--------|--------|----------------|----------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve    | у Туре                    |         |        |        |                |          |              |              |              |              |             |                | V - Ves                   | sel Based | ł      |        |      |                     |              |              |              |              |             |                |
| Co                             | onstruct | ion Activ                 | ity     |        | _      | - Cha<br>oymen |          |              | Com          | ments        |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
|                                | Т        | ide                       |         |        |        |                |          |              |              |              |              |             |                | E                         | bb        |        |        |      |                     |              |              |              |              |             |                |
|                                |          | Location                  |         |        |        |                |          |              |              |              |              |             |                | В                         | 180       |        |        |      |                     |              |              |              |              |             |                |
| Sam<br>Loca                    |          |                           |         |        |        | Upcu           | rrent (A | mbien        | t)           |              |              |             |                |                           |           |        |        | I    | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Sou                  |          |                           |         |        |        | Appro          | x. 500 - | 1000 1       | it¹          |              |              |             |                |                           |           |        |        |      | 600 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | le ID    |                           |         |        |        | 1119           | 918-CHE  | E-E-U        | ı            |              |              |             |                |                           |           |        |        | 11   | 1918-CHE            | E-E-D        | )            |              |              |             |                |
| Sample                         | Time     |                           |         |        |        |                | 12:12    |              |              |              |              |             |                |                           |           |        |        |      | 11:59               |              |              |              |              |             |                |
|                                |          | pa                        |         |        |        |                |          |              | P            | СВ           |              |             | ЭC             | pə                        |           |        |        |      |                     |              | P            | СВ           |              |             | Je             |
| Parameter                      |          | Total Suspended<br>Solids | Mercury | Nickel | Copper | Lead           | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it       | (ppm)                     |         |        |        |                | (        | ppb)         |              | •            | •            |             |                | (ppm)                     |           | •      |        |      | (                   | ppb)         |              | •            |              |             |                |
| Detec<br>Lim                   |          | Ambient +<br>100          | 0.07    | 3.7    | 2.6    | 1.8            | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          | -           | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water C                        | -        | *                         | 0.0007  | 8.2    | 5.6    | 8.0            | 66       | -            | -            |              | -            | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66                  | -            | -            | -            | -            | 16          | 0.0006         |
| esult <sup>4</sup>             | S        | 20.8                      | ND      | ND     | ND     | ND             | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 18                        | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М        |                           |         |        |        |                | NS       |              |              |              |              |             |                |                           |           |        |        |      | NS                  |              |              |              |              |             |                |
| Anal                           | В        | 21.4                      | ND      | ND     | ND     | ND             | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 24.4                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

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

 $<sup>^{2}</sup>$  Samples collected as close to the edge of the 500ft mixing zone as practicable.

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

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

<sup>--</sup> No detection limit or water quality standard

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

ND = Not Detected

|                                | Surve    | ey Date                   |         |        |          |          |          |              |                |              |              |             |                | 11/20                     | )/2018    |        |        |         |                     |              |              |              |              |             |                |
|--------------------------------|----------|---------------------------|---------|--------|----------|----------|----------|--------------|----------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|---------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve    | у Туре                    |         |        |          |          |          |              |                |              |              |             |                | V - Vess                  | sel Basec |        |        |         |                     |              |              |              |              |             |                |
| Co                             | nstructi | ion Activ                 |         | JETT   | - Jettir | ıg       |          | Comi         | ments          |              |              |             |                |                           |           |        |        |         |                     |              |              |              |              |             |                |
|                                | T        | ide                       |         |        |          |          |          |              |                |              |              |             |                | E                         | bb        |        |        |         |                     |              |              |              |              |             |                |
|                                |          | Location                  |         |        |          |          |          |              |                |              |              |             |                | B <sup>.</sup>            | 173       |        |        |         |                     |              |              |              |              |             |                |
| Sam<br>Loca                    |          |                           |         |        | Upcu     | rrent (A | mbien    | t)           |                |              |              |             |                |                           |           |        | I      | Downcur | rent                |              |              |              |              |             |                |
| Distan<br>Sou                  |          |                           |         |        |          | Appro    | x. 500 - | 1000 f       | t <sup>1</sup> |              |              |             |                |                           |           |        |        |         | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | le ID    |                           |         |        |          | 112      | 018-JET  | T-E-U        |                |              |              |             |                |                           |           |        |        | 11      | 2018-JET            | T-E-D        |              |              |              |             |                |
| Sample                         | Time     |                           |         |        |          |          | 10:02    |              |                |              |              |             |                |                           |           |        |        |         | 09:40               |              |              |              |              |             |                |
|                                |          | pə                        |         |        |          |          |          |              | P(             | СВ           | ı            | 6           | ne             | pə                        |           |        |        |         |                     |              | PO           | СВ           | ı            | 0           | ne             |
| Parameter                      |          | Total Suspended<br>Solids | Mercury | Nickel | Copper   | Lead     | Zinc     | Aroclor 1242 | Aroclor 1248   | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead    | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it       | (ppm)                     |         | •      | •        |          | (        | ppb)         |                |              |              | •           |                | (ppm)                     |           |        |        |         | (                   | ppb)         |              |              |              |             |                |
| Detec<br>Lim                   |          | Ambient +<br>100          | 0.07    | 3.7    | 2.6      | 1.8      | 5.6      | 0.2          | 0.2            | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8     | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          | -           | 0.1            |
| Water 0                        |          | *                         | 0.0007  | 8.2    | 5.6      | 8.0      | 66       |              |                |              |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0     | 66                  |              |              |              |              | 16          | 0.0006         |
| esult <sup>4</sup>             | s        | 9.2                       | ND      | ND     | ND       | ND       | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 14                        | ND        | ND     | ND     | ND      | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М        | 23.2                      | ND      | ND     | ND       | ND       | ND       | ND           | ND             | ND           | ND           | ND          | 31             | ND                        | ND        | ND     | ND     | ND      | ND                  | ND           | ND           | ND           | ND           | ND          |                |
| Analı                          | В        | 32.6                      | ND      | ND     | ND       | ND       | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 55                        | ND        | ND     | ND     | ND      | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                                | Surv     | ey Date                            |         |        |        |                   |          |              |              |              |              |             |                | 11/20                     | 0/2018    |        |        |      |                     |              |              |              |              |             |                |
|--------------------------------|----------|------------------------------------|---------|--------|--------|-------------------|----------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve    | у Туре                             |         |        |        |                   |          |              |              |              |              |             |                | V - Ves                   | sel Based | ł      |        |      |                     |              |              |              |              |             |                |
| Co                             | onstruct | ion Activ                          | ity     |        | -      | E - Cha<br>loymen |          |              | Com          | ments        |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
|                                | Т        | ide                                |         |        |        |                   |          |              |              |              |              |             |                | E                         | bb        |        |        |      |                     |              |              |              |              |             |                |
|                                |          | Location                           |         |        |        |                   |          |              |              |              |              |             |                | В                         | 176       |        |        |      |                     |              |              |              |              |             |                |
| Sam<br>Loca                    |          |                                    |         |        |        | Upcu              | rrent (A | mbien        | t)           |              |              |             |                |                           |           |        |        | I    | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Sou                  |          | Approx. 500 - 1000 ft <sup>1</sup> |         |        |        |                   |          |              |              |              |              |             |                |                           |           |        |        |      | 600 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | le ID    |                                    |         |        |        | 1120              | 018-CHE  | DE-E-U       | ı            |              |              |             |                |                           |           |        |        | 112  | 2018-CHE            | E-E-D        | )            |              |              |             |                |
| Sample                         | Time     |                                    |         |        |        |                   | 10:34    |              |              |              |              |             |                |                           |           |        |        |      | 10:14               |              |              |              |              |             |                |
|                                |          | pə                                 |         |        |        |                   |          |              | P            | СВ           | 1            | •           | ne             | ed                        |           |        |        |      |                     |              | P            | СВ           |              |             | ne             |
| Parameter                      |          | Total Suspended<br>Solids          | Mercury | Nickel | Copper | Lead              | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it       | (ppm)                              |         |        |        |                   | (        | ppb)         |              | •            | •            |             |                | (ppm)                     |           | •      |        |      | (                   | ppb)         |              | •            |              |             |                |
| Detec<br>Lim                   |          | Ambient +<br>100                   | 0.07    | 3.7    | 2.6    | 1.8               | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          | ı           | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water C                        | -        | *                                  | 0.0007  | 8.2    | 5.6    | 8.0               | 66       | -            | -            |              | -            | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66                  | -            | -            | -            | -            | 16          | 0.0006         |
| esult <sup>4</sup>             | S        | 14.8                               | ND      | ND     | ND     | ND                | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 13.6                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М        |                                    | NS NS   |        |        |                   |          |              |              |              |              |             |                |                           |           |        |        |      | NS                  |              |              |              |              |             |                |
| Analı                          | В        | 13.6                               | ND      | ND     | ND     | ND                | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 18                        | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

 $<sup>^{2}</sup>$  Samples collected as close to the edge of the 500ft mixing zone as practicable.

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

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

<sup>--</sup> No detection limit or water quality standard

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

ND = Not Detected

|                                | Surv     | ey Date                            |   |        |        |                    |          |              |              |              |              |             |                | 11/20                     | )/2018   |        |        |      |                     |              |              |              |              |             |                |
|--------------------------------|----------|------------------------------------|---|--------|--------|--------------------|----------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve    | у Туре                             |   |        |        |                    |          |              |              |              |              |             |                | V - Vess                  | el Based |        |        |      |                     |              |              |              |              |             |                |
| Co                             | onstruct | ion Activ                          | ity   |        |        | iber Pil<br>on Ren |          |              | Comr         | nents        |              |             |                |                           |          |        |        |      |                     |              |              |              |              |             |                |
|                                | Т        | ide                                |   |        |        |                    |          |              |              |              |              |             |                | E                         | bb       |        |        |      |                     |              |              |              |              |             |                |
|                                | Source   | Location                           |   |        |        |                    |          |              |              |              |              |             |                | В                         | 52       |        |        |      |                     |              |              |              |              |             |                |
| Sam<br>Loca                    |          |                                    |   |        |        | Upcu               | rrent (A | mbien        | t)           |              |              |             |                |                           |          |        |        | ı    | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Sou                  |          | Approx. 500 - 1000 ft <sup>1</sup> |   |        |        |                    |          |              |              |              |              |             |                |                           |          |        |        |      | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | le ID    | 112018-TIPC-E-U                    |   |        |        |                    |          |              |              |              |              |             |                |                           |          |        |        | 11   | 2018-TIP            | C-E-D        |              |              |              |             |                |
| Sample                         | Time     |                                    |   |        |        |                    | 11:24    |              |              |              |              |             |                |                           |          |        |        |      | 11:14               |              |              |              |              |             |                |
| Parameter                      |          | Total Suspended<br>Solids          | Mercury                                     | Nickel | Copper | Lead               | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury  | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it       | (ppm)                              |   |        |        |                    | (        | ppb)         |              |              |              |             |                | (ppm)                     |          |        |        |      | (                   | ppb)         |              |              |              |             |                |
| Detec<br>Lim                   |          | Ambient +<br>100                   | 0.07  | 3.7    | 2.6    | 1.8                | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07     | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water C                        | ,        | *                                  | 0.0007                                      | 8.2    | 5.6    | 8.0                | 66       | ı            | 1            | -            |              | 16          | 0.0006         | *                         | 0.0007   | 8.2    | 5.6    | 8.0  | 66                  | -            | -            | -            | 1            | 16          | 0.0006         |
| esult <sup>4</sup>             | s        | NS                                 |   |        |        |                    |          |              |              |              |              |             |                |                           |          |        |        |      | NS                  |              |              |              |              |             |                |
| Analytical Result <sup>4</sup> | М        | 17.4                               | 17.4 ND |        |        |                    |          |              |              |              |              |             |                |                           | ND       | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                          | В        |                                    |   |        |        |                    | NS       |              |              |              |              |             |                |                           |          |        |        |      | NS                  |              |              |              |              |             |                |

ND = Not Detected

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                                | Surve   | ey Date                   |                                    |        |         |         |          |              |              |              |              |             |                | 11/20                     | )/2018    |        |        |      |                     |              |              |              |              |             |                |
|--------------------------------|---------|---------------------------|------------------------------------|--------|---------|---------|----------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve   | у Туре                    |                                    |        |         |         |          |              |              |              |              |             |                | V - Vess                  | sel Based |        |        |      |                     |              |              |              |              |             |                |
| Co                             | nstruct | ion Activ                 | ity                                | DBF    | RI - De | bris Re | moval    |              | Comr         | nents        |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
|                                |         | ide                       |                                    |        |         |         |          |              |              |              |              |             |                |                           | bb        |        |        |      |                     |              |              |              |              |             |                |
|                                |         | Location                  |                                    |        |         |         |          |              |              |              |              |             |                | B                         | 187       |        |        |      |                     |              |              |              |              |             |                |
| Sam<br>Loca                    | tion    |                           |                                    |        |         | Upcu    | rrent (A | mbien        | t)           |              |              |             |                |                           |           |        |        | l    | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Sou                  |         |                           | Approx. 500 - 1000 ft <sup>1</sup> |        |         |         |          |              |              |              |              |             |                |                           |           |        |        |      | 100 ft <sup>2</sup> | !            |              |              |              |             |                |
| Samp                           | le ID   |                           |                                    |        |         | 112     | 018-DBF  | RI-E-U       |              |              |              |             |                |                           |           |        |        | 11   | 2018-DBF            | RI-E-D       |              |              |              |             |                |
| Sample                         | Time    |                           |                                    |        |         |         | 12:07    |              |              |              |              |             |                |                           |           |        |        |      | 11:55               |              |              |              |              |             |                |
|                                |         | pep                       |                                    |        |         |         |          |              | P            | СВ           | ī            | a)          | ne             | pep                       |           |        |        |      |                     |              | P            | СВ           |              | ø)          | ne             |
| Parameter                      |         | Total Suspended<br>Solids | Mercury                            | Nickel | Copper  | Lead    | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it      | (ppm)                     |                                    |        | •       |         | (        | ppb)         |              |              | •            |             |                | (ppm)                     |           |        |        |      | (                   | ppb)         | •            | •            |              |             |                |
| Detec<br>Lim                   |         | Ambient +<br>100          | 0.07                               | 3.7    | 2.6     | 1.8     | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          | ı           | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          | ı           | 0.1            |
| Water C                        | •       | *                         | 0.0007                             | 8.2    | 5.6     | 8.0     | 66       | -            | -            | -            |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66                  | -            | -            | -            | 1            | 16          | 0.0006         |
| esult <sup>4</sup>             | s       | 26.5                      | ND                                 | ND     | ND      | ND      | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 22.6                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М       |                           |                                    |        |         |         | NS       |              |              |              |              |             |                |                           |           |        |        |      | NS                  |              |              |              |              |             |                |
| Anal                           | В       | 19                        | ND                                 | ND     | ND      | ND      | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 21.8                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

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

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

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

<sup>--</sup> No detection limit or water quality standard

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

ND = Not Detected

|                                | Surv     | ey Date                   |         |          |        |                   |          |              |              |              |              |                     |                | 11/21                     | 1/2018    |        |        |      |          |              |              |              |              |             |                |
|--------------------------------|----------|---------------------------|---------|----------|--------|-------------------|----------|--------------|--------------|--------------|--------------|---------------------|----------------|---------------------------|-----------|--------|--------|------|----------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve    | у Туре                    |         |          |        |                   |          |              |              |              |              |                     |                | V - Vess                  | sel Based | i      |        |      |          |              |              |              |              |             |                |
| Co                             | onstruct | ion Activ                 | ity     |          |        | nber Pi<br>on Ren |          |              | Comi         | ments        |              |                     |                |                           |           |        |        |      |          |              |              |              |              |             |                |
|                                | Т        | ide                       |         |          |        |                   |          |              |              |              |              |                     |                | E                         | bb        |        |        |      |          |              |              |              |              |             |                |
|                                | Source   | Location                  |         |          |        |                   |          |              |              |              |              |                     |                | В                         | 350       |        |        |      |          |              |              |              |              |             |                |
| Sam<br>Loca                    |          |                           |         |          |        | Upcu              | rrent (A | mbien        | t)           |              |              |                     |                |                           |           |        |        | ı    | Downcur  | rent         |              |              |              |             |                |
| Distar<br>Sou                  |          |                           |         | x. 500 - |        |                   |          |              |              |              |              | 500 ft <sup>2</sup> | 2              |                           |           |        |        |      |          |              |              |              |              |             |                |
| Samp                           | le ID    |                           |         |          |        | 112               | 118-TIP  | C-E-U        |              |              |              |                     |                |                           |           |        |        | 11   | 2118-TIP | C-E-D        |              |              |              |             |                |
| Sample                         | e Time   |                           |         |          |        |                   | 10:04    |              |              |              |              |                     |                |                           |           |        |        |      | 09:56    |              |              |              |              |             |                |
|                                |          | pə                        |         |          |        |                   |          |              | P            | СВ           |              |                     | Эe             | pə                        |           |        |        |      |          |              | P            | СВ           | ī            |             | Je.            |
| Parameter                      |          | Total Suspended<br>Solids | Mercury | Nickel   | Copper | Lead              | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene         | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Ur                             | it       | (ppm)                     |         |          |        |                   | (        | (ppb)        |              | •            |              |                     |                | (ppm)                     |           | •      |        |      | (        | (ppb)        |              | •            |              |             | •              |
| Detec<br>Lim                   |          | Ambient +<br>100          | 0.07    | 3.7      | 2.6    | 1.8               | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          | 1                   | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water (                        | •        | *                         | 0.0007  | 8.2      | 5.6    | 8.0               | 66       | 1            |              |              | -            | 16                  | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66       |              |              |              |              | 16          | 0.0006         |
| esult⁴                         | S        |                           |         | NS       |        |                   |          |              |              |              | NS           |                     |                |                           |           |        |        |      |          |              |              |              |              |             |                |
| Analytical Result <sup>4</sup> | М        | 26.3                      | ND      | ND       | ND     | ND                | ND       | ND           | ND           | ND           | ND           | ND                  | ND             | 28                        | ND        | ND     | ND     | ND   | ND       | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                          | В        |                           |         |          |        |                   | NS       |              |              |              |              |                     | •              |                           | •         |        |        |      | NS       |              |              |              |              |             | •              |

ND = Not Detected

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                                | Surv                       | ey Date                            |                 |        |         |         |       |              |              |              |              |             |                | 11/21                     | 1/2018    |        |        |                     |          |              |              |              |              |             |                |
|--------------------------------|----------------------------|------------------------------------|-----------------|--------|---------|---------|-------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|---------------------|----------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve                      | у Туре                             |                 |        |         |         |       |              |              |              |              |             |                | V - Vess                  | sel Basec |        |        |                     |          |              |              |              |              |             |                |
| Co                             | onstruct                   | ion Activ                          | ity             | DBF    | RI - De | bris Re | moval |              | Com          | ments        |              |             |                |                           |           |        |        |                     |          |              |              |              |              |             |                |
|                                | Т                          | ide                                |                 |        |         |         |       |              |              |              |              |             |                | E                         | bb        |        |        |                     |          |              |              |              |              |             |                |
|                                |                            | Location                           |                 |        |         |         |       |              |              |              |              |             |                | B                         | 166       |        |        |                     |          |              |              |              |              |             |                |
| Loca                           | Sample Upcurrent (Ambient) |                                    |                 |        |         |         |       |              |              |              |              |             |                |                           |           |        |        | I                   | Downcur  | rent         |              |              |              |             |                |
| Distan<br>Sou                  |                            | Approx. 500 - 1000 ft <sup>1</sup> |                 |        |         |         |       |              |              |              |              |             |                |                           |           |        |        | 500 ft <sup>2</sup> | 2        |              |              |              |              |             |                |
| Samp                           | le ID                      |                                    | 112118-DBRI-E-U |        |         |         |       |              |              |              |              |             |                |                           |           |        |        | 11                  | 2118-DBF | RI-E-D       |              |              |              |             |                |
| Sample                         | Time                       |                                    |                 |        |         |         | 10:40 |              |              |              |              |             |                |                           |           |        |        |                     | 10:25    |              |              |              |              |             |                |
|                                |                            | pə                                 |                 |        |         |         |       |              | P            | СВ           | ı            |             | ле             | pə                        |           |        |        |                     |          |              | P            | СВ           | ı            |             | ЭС             |
| Parameter                      |                            | Total Suspended<br>Solids          | Mercury         | Nickel | Copper  | Lead    | Zinc  | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead                | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it                         | (ppm)                              |                 |        |         |         | (     | (ppb)        |              |              |              |             |                | (ppm)                     |           |        |        |                     | (        | ppb)         |              |              |              |             |                |
| Detec<br>Lim                   |                            | Ambient +<br>100                   | 0.07            | 3.7    | 2.6     | 1.8     | 5.6   | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8                 | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water C                        | -                          | *                                  | 0.0007          | 8.2    | 5.6     | 8.0     | 66    |              |              |              |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0                 | 66       | I            |              |              | -            | 16          | 0.0006         |
| esult4                         | S                          | 18.6                               | ND              | ND     | ND      | ND      | ND    | ND           | ND           | ND           | 19           | ND          | ND             | ND                        | ND        | ND     | ND     | ND                  | ND       | ND           | ND           | ND           |              |             |                |
| Analytical Result <sup>4</sup> | М                          | 18.6                               | ND              | ND     | ND      | ND      | ND    | ND           | ND           | ND           | ND           | ND          | ND             | 24.8                      | ND        | ND     | ND     | ND                  | ND       | ND           | ND           | ND           | ND           | ND          | ND             |
| Analı                          | В                          | 30.8                               | ND              | ND     | ND      | ND      | ND    | ND           | ND           | ND           | ND           | ND          | ND             | 29.8                      | ND        | ND     | ND     | ND                  | ND       | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                                | Surv     | ey Date                   |  |        |        |      |         |              |              |              |              |             |                | 11/21                     | 1/2018    |        |        |         |                     |              |              |              |              |             |                |
|--------------------------------|----------|---------------------------|--|--------|--------|------|---------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|---------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve    | у Туре                    |  |        |        |      |         |              |              |              |              |             |                | V - Vess                  | sel Based | l      |        |         |                     |              |              |              |              |             |                |
| Co                             | onstruct | ion Activ                 | on Activity  CHDE - Chain Deployment  Comments  de |        |        |      |         |              |              |              |              |             |                |                           |           |        |        |         |                     |              |              |              |              |             |                |
|                                | Т        | ide                       |  |        |        |      |         |              |              |              |              |             |                | E                         | bb        |        |        |         |                     |              |              |              |              |             |                |
|                                | Source   | Location                  |  |        |        |      |         |              |              |              |              |             |                | B                         | 176       |        |        |         |                     |              |              |              |              |             |                |
| Sam<br>Loca                    | tion     | Upcurrent (Ambient)       |  |        |        |      |         |              |              |              |              |             |                |                           |           |        | ı      | Downcur | rent                |              |              |              |              |             |                |
| Distan<br>Sou                  |          |                           | Approx. 500 - 1000 ft <sup>1</sup>                 |        |        |      |         |              |              |              |              |             |                |                           |           |        |        |         | 800 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | le ID    |                           |  |        |        | 1121 | 118-CHE | E-E-U        | l            |              |              |             |                |                           |           |        |        | 112     | 2118-CHE            | E-E-D        | )            |              |              |             |                |
| Sample                         | Time     |                           |  |        |        |      | 14:09   |              |              |              |              |             |                |                           |           |        |        |         | 13:44               |              |              |              |              |             |                |
|                                |          | ed                        |  |        |        |      |         |              | P            | СВ           |              |             | ne             | pə                        |           |        |        |         |                     |              | P            | СВ           |              | 4           | ле             |
| Parameter                      |          | Total Suspended<br>Solids | Mercury  | Nickel | Copper | Lead | Zinc    | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead    | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it       | (ppm)                     |  |        |        |      | (       | ppb)         |              |              |              |             |                | (ppm)                     |           |        |        |         | (                   | ppb)         |              |              |              |             |                |
| Detec<br>Lim                   |          | Ambient +<br>100          | 0.07   | 3.7    | 2.6    | 1.8  | 5.6     | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8     | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          | -           | 0.1            |
| Water C                        |          | *                         | 0.0007   | 8.2    | 5.6    | 8.0  | 66      |              | -            |              |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0     | 66                  | -            |              | -            |              | 16          | 0.0006         |
| esult <sup>4</sup>             | s        | 20.8                      | ND   | ND     | ND     | ND   | ND      | ND           | ND           | ND           | ND           | ND          | ND             | 25                        | ND        | ND     | ND     | ND      | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М        | 45.7                      | ND   | ND     | ND     | ND   | ND      | ND           | ND           | ND           | ND           | ND          | ND             | 29.5                      | ND        | ND     | ND     | ND      | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                          | В        | 141                       | ND   | ND     | ND     | ND   | ND      | ND           | ND           | ND           | ND           | ND          | ND             | 51.2                      | ND        | ND     | ND     | ND      | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

 $<sup>^{2}</sup>$  Samples collected as close to the edge of the 500ft mixing zone as practicable.

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                                | Surve                | y Date                    |         |          |         |          |         |                |              |              |              |             |                | 11/23                     | 3/2018    |        |        |                     |          |              |              |              |              |             |                |
|--------------------------------|----------------------|---------------------------|---------|----------|---------|----------|---------|----------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|---------------------|----------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve                | у Туре                    |         |          |         |          |         |                |              |              |              |             |                | V - Vess                  | sel Based |        |        |                     |          |              |              |              |              |             |                |
| C                              | onstructi            | on Activi                 | DBF     | RI - Del | bris Re | moval    |         | Com            | nents        |              |              |             |                |                           |           |        |        |                     |          |              |              |              |              |             |                |
|                                | Ti                   | de                        |         |          |         |          |         |                |              |              |              |             |                | Fl                        | ood       |        |        |                     |          |              |              |              |              |             |                |
|                                |                      | Location                  |         |          |         |          |         |                |              |              |              |             | B              | 169                       |           |        |        |                     |          |              |              |              |              |             |                |
| Sam<br>Loca                    | tion                 |                           |         |          | Upcu    | rrent (A | mbien   | t)             |              |              |              |             |                |                           |           |        | I      | Downcur             | rent     |              |              |              |              |             |                |
| Distan<br>Sou                  |                      |                           |         |          | Appro   | x. 500 - | 1000 f  | t <sup>1</sup> |              |              |              |             |                |                           |           |        |        | 500 ft <sup>2</sup> | 2        |              |              |              |              |             |                |
| Samp                           | le ID                |                           |         |          |         | 112      | 318-DBF | RI-F-U         |              |              |              |             |                |                           |           |        |        | 11                  | 2318-DBI | RI-F-D       |              |              |              |             |                |
| Sample                         | Time                 |                           |         |          |         |          | 10:12   |                |              |              |              |             |                |                           |           |        |        |                     | 09:48    | 1            |              |              |              |             |                |
|                                |                      | pa                        |         |          |         |          |         |                | P            | СВ           |              |             | e              | pa                        |           |        |        |                     |          |              | P            | СВ           |              |             | e e            |
| Parameter                      |                      | Total Suspended<br>Solids | Mercury | Nickel   | Copper  | Lead     | Zinc    | Aroclor 1242   | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead                | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it                   | (ppm)                     |         |          |         |          | (       | ppb)           |              |              |              | •           |                | (ppm)                     |           |        |        |                     | (        | (ppb)        |              |              |              |             |                |
| Detectio                       | n Limit <sup>3</sup> | Ambient +<br>100          | 0.07    | 3.7      | 2.6     | 1.8      | 5.6     | 0.2            | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8                 | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          | ı           | 0.1            |
| Water (                        |                      | *                         | 0.0007  | 8.2      | 5.6     | 8.0      | 66      | 1              | 1            | -            | -            | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0                 | 66       | -            |              |              |              | 16          | 0.0006         |
| sult <sup>4</sup>              | s                    | 75.5                      | ND      | ND       | ND      | ND       | ND      | ND             | ND           | ND           | ND           | ND          | ND             | 244                       | ND        | ND     | ND     | ND                  | ND       | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М                    | 217                       | ND      | ND       | ND      | ND       | ND      | ND             | ND           | ND           | ND           | ND          | ND             | 211                       | ND        | ND     | ND     | ND                  | ND       | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                          | В                    | 286                       | ND      | ND       | ND      | ND       | ND      | ND             | ND           | ND           | ND           | ND          | ND             | 249                       | ND        | ND     | ND     | ND                  | ND       | ND           | ND           | ND           | ND           | ND          | ND             |

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

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                                | Surve                | ey Date                                   |         |            |                   |                    |                |              |                |              |              |             |                | 11/23                     | 3/2018    |        |        |         |                     |              |              |              |              |             |                |
|--------------------------------|----------------------|---|---------|------------|-------------------|--------------------|----------------|--------------|----------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|---------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve                | у Туре                                    |         |            |                   |                    |                |              |                |              |              |             |                | V - Vess                  | sel Based |        |        |         |                     |              |              |              |              |             |                |
| Co                             | nstruct              | ion Activ                                 | ity     | TIP(<br>Fo | C - Tim<br>undati | nber Pil<br>on Rem | e Cap<br>noval |              | Com            | nents        |              |             |                |                           |           |        |        |         |                     |              |              |              |              |             |                |
|                                | Т                    | ide                                       |         |            |                   |                    |                |              |                |              |              |             |                | FI                        | ood       |        |        |         |                     |              |              |              |              |             |                |
|                                |                      | Location                                  |         |            |                   |                    |                |              |                |              |              |             |                | В                         | 115       |        |        |         |                     |              |              |              |              |             |                |
| Sam<br>Loca                    |                      | Upcurrent (Ambient)                       |         |            |                   |                    |                |              |                |              |              |             |                |                           |           |        | l      | Downcur | rent                |              |              |              |              |             |                |
| Distan<br>Soui                 |                      |   |         |            |                   | Appro              | x. 500 -       | 1000 f       | t <sup>1</sup> |              |              |             |                |                           |           |        |        |         | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | le ID                |   |         |            |                   | 112                | 318-TIP        | C-F-U        |                |              |              |             |                |                           |           |        |        | 11      | 2318-TIP            | C-F-D        |              |              |              |             |                |
| Sample                         | Time                 |   |         |            |                   |                    | 11:09          |              |                |              |              |             |                |                           |           |        |        |         | 10:49               |              |              |              |              |             |                |
|                                |                      | 11:09 PCB g                               |         |            |                   |                    |                |              |                |              |              |             |                | pa                        |           |        |        |         |                     |              | PC           | СВ           |              |             | e e            |
| Parameter                      |                      | Total Suspended<br>Solids                 | Mercury | Nickel     | Copper            | Lead               | Zinc           | Aroclor 1242 | Aroclor 1248   | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead    | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it                   | (ppm)                                     |         |            |                   |                    | (              | ppb)         |                |              |              |             | !              | (ppm)                     |           |        |        |         | (                   | ppb)         |              |              |              |             |                |
| Detection                      | n Limit <sup>3</sup> | Ambient +<br>100                          | 0.07    | 3.7        | 2.6               | 1.8                | 5.6            | 0.2          | 0.2            | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8     | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water C<br>Stand               | -                    | *   | 0.0007  | 8.2        | 5.6               | 8.0                | 66             | -            | -              | -            | -            | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0     | 66                  | -            |              | -            | ı            | 16          | 0.0006         |
| esult <sup>4</sup>             | s                    | 58 ND |         |            |                   |                    |                |              |                |              |              |             | ND             | 73                        | ND        | ND     | ND     | ND      | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М                    |   | NS NS   |            |                   |                    |                |              |                |              |              |             |                |                           |           |        |        |         | NS                  |              |              |              |              |             |                |
| Analy                          | В                    | 75  | ND      | ND         | ND                | ND                 | ND             | ND           | ND             | ND           | ND           | ND          | ND             | 86.5                      | ND        | ND     | ND     | ND      | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

ND = Not Detected

|                                | Surv    | ey Date                   |         |        |        |                |          |              |                |              |              |             |                | 11/23                     | 3/2018    |        |        |         |                     |              |              |              |              |             |                |
|--------------------------------|---------|---------------------------|---------|--------|--------|----------------|----------|--------------|----------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|---------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve   | у Туре                    |         |        |        |                |          |              |                |              |              |             |                | V - Vess                  | sel Basec | l      |        |         |                     |              |              |              |              |             |                |
| Co                             | nstruct | ion Activ                 | ity     |        | -      | - Cha<br>oymen |          |              | Comi           | ments        |              |             |                |                           |           |        |        |         |                     |              |              |              |              |             |                |
|                                | Т       | ide                       |         |        |        |                |          |              |                |              |              |             |                | E                         | bb        |        |        |         |                     |              |              |              |              |             |                |
|                                | Source  | Location                  |         |        |        |                |          |              |                |              |              |             |                | B <sup>.</sup>            | 176       |        |        |         |                     |              |              |              |              |             |                |
| Sam<br>Loca                    |         | Upcurrent (Ambient)       |         |        |        |                |          |              |                |              |              |             |                |                           |           |        | ı      | Downcur | rent                |              |              |              |              |             |                |
| Distan<br>Sou                  |         |                           |         |        |        | Appro          | x. 500 - | 1000 f       | t <sup>1</sup> |              |              |             |                |                           |           |        |        |         | 700 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | le ID   |                           |         |        |        | 1123           | 318-CHE  | E-E-U        | l              |              |              |             |                |                           |           |        |        | 112     | 2318-CHE            | E-E-D        | 1            |              |              |             |                |
| Sample                         | Time    |                           |         |        |        |                | 13:59    |              |                |              |              |             |                |                           |           |        |        |         | 13:35               |              |              |              |              |             |                |
|                                |         | pə                        |         |        |        |                |          |              | P              | СВ           |              | 0           | ne             | pəl                       |           |        |        |         |                     |              | P            | СВ           |              |             | ne             |
| Parameter                      |         | Total Suspended<br>Solids | Mercury | Nickel | Copper | Lead           | Zinc     | Aroclor 1242 | Aroclor 1248   | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead    | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it      | (ppm)                     |         |        |        |                | (        | ppb)         |                |              |              |             |                | (ppm)                     |           |        |        |         | (                   | ppb)         |              |              |              |             |                |
| Detec<br>Lim                   |         | Ambient +<br>100          | 0.07    | 3.7    | 2.6    | 1.8            | 5.6      | 0.2          | 0.2            | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8     | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water C                        | - 1     | *                         | 0.0007  | 8.2    | 5.6    | 8.0            | 66       |              | -              |              |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0     | 66                  | 1            | -            | -            |              | 16          | 0.0006         |
| esult <sup>4</sup>             | S       | 38                        | ND      | ND     | ND     | ND             | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 45.3                      | ND        | ND     | ND     | ND      | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М       | 68                        | ND      | ND     | ND     | ND             | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 55.7                      | ND        | ND     | ND     | ND      | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                          | В       | 55.7                      | ND      | ND     | ND     | ND             | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 55.5                      | ND        | ND     | ND     | ND      | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

 $<sup>^{2}</sup>$  Samples collected as close to the edge of the 500ft mixing zone as practicable.

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                                | Surve                | ey Date                   |         |         |        |          |          |              |                |              |              |             |                | 11/24                     | 1/2018    |        |        |          |                     |              |              |              |              |             |                |
|--------------------------------|----------------------|---------------------------|---------|---------|--------|----------|----------|--------------|----------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|----------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve                | у Туре                    |         |         |        |          |          |              |                |              |              |             |                | V - Vess                  | sel Based |        |        |          |                     |              |              |              |              |             |                |
| Co                             | onstruct             | ion Activ                 | CHDE    | E - Cha | in Dep | loyment  |          | Com          | nents          |              |              |             |                |                           |           |        |        |          |                     |              |              |              |              |             |                |
|                                | Т                    | ide                       |         |         |        |          |          |              |                |              |              |             |                | FI                        | ood       |        |        |          |                     |              |              |              |              |             |                |
|                                |                      | Location                  |         |         |        |          |          |              |                |              |              |             | В              | 176                       |           |        |        |          |                     |              |              |              |              |             |                |
| Sam<br>Loca                    |                      |                           |         |         | Upcu   | rrent (A | mbien    | t)           |                |              |              |             |                |                           |           |        |        | Downcur  | rent                |              |              |              |              |             |                |
| Distance to Source             |                      |                           |         |         |        | Appro    | x. 500 - | 1000 f       | t <sup>1</sup> |              |              |             |                |                           |           |        |        |          | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | le ID                |                           |         |         | 1124   | 118-CHE  | E-F-U    |              |                |              |              |             |                |                           |           |        | 11:    | 2418-CHE | E-F-D               | 1            |              |              |              |             |                |
| Sample                         | Time                 |                           |         |         |        |          | 11:56    |              |                |              |              |             |                |                           |           |        |        |          | 11:33               |              |              |              |              |             |                |
|                                |                      | pə                        |         |         |        |          |          |              | P              | СВ           |              |             | e.             | pə                        |           |        |        |          |                     |              | P            | СВ           | 1            |             | Э              |
| Parameter                      |                      | Total Suspended<br>Solids | Mercury | Nickel  | Copper | Lead     | Zinc     | Aroclor 1242 | Aroclor 1248   | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead     | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it                   | (ppm)                     |         | •       | •      |          | (        | ppb)         |                |              |              | •           | •              | (ppm)                     |           |        |        |          | (                   | ppb)         |              |              |              |             |                |
| Detection                      | n Limit <sup>3</sup> | Ambient +<br>100          | 0.07    | 3.7     | 2.6    | 1.8      | 5.6      | 0.2          | 0.2            | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8      | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          | ı           | 0.1            |
| Water C                        | ,                    | *                         | 0.0007  | 8.2     | 5.6    | 8.0      | 66       | -            | 1              | -            |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0      | 66                  | -            |              | -            | -            | 16          | 0.0006         |
| ssult <sup>4</sup>             | s                    | 57                        | ND      | ND      | ND     | ND       | ND       | ND           | ND             | ND           | ND           | ND          | 77             | ND                        | ND        | ND     | ND     | ND       | ND                  | ND           | ND           | ND           | ND           | ND          |                |
| Analytical Result <sup>4</sup> | М                    | 144                       | ND      | ND      | ND     | ND       | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 98.5                      | ND        | ND     | ND     | ND       | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                          | В                    | 224                       | ND      | ND      | ND     | ND       | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 113                       | ND        | ND     | ND     | ND       | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                                | Surve                | ey Date                   |         |        |        |          |          |              |                |              |              |             |                | 11/26                     | 6/2018    |        |        |      |                     |              |              |              |              |             |                |
|--------------------------------|----------------------|---------------------------|---------|--------|--------|----------|----------|--------------|----------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve                | у Туре                    |         |        |        |          |          |              |                |              |              |             |                | V - Vess                  | sel Based |        |        |      |                     |              |              |              |              |             |                |
| Construction Activity Tide     |                      |                           |         |        | JETT   | - Jettin | g        |              | Com            | nents        |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
| Tide Source Location Sample    |                      |                           |         |        |        |          |          |              |                |              |              |             |                | Fl                        | ood       |        |        |      |                     |              |              |              |              |             |                |
|                                |                      |                           |         |        |        |          |          |              |                |              |              |             |                | В                         | 173       |        |        |      |                     |              |              |              |              |             |                |
| Location                       |                      |                           |         |        |        | Upcu     | rrent (A | mbien        | t)             |              |              |             |                |                           |           |        |        |      | Downcur             | rent         |              |              |              |             |                |
| Distance to<br>Source          |                      |                           |         |        |        | Appro    | x. 500 - | 1000 f       | t <sup>1</sup> |              |              |             |                |                           |           |        |        |      | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Source Sample ID               |                      |                           |         |        |        | 112      | 618-JET  | T-F-U        |                |              |              |             |                |                           |           |        |        | 11   | 2618-JET            | T-F-D        |              |              |              |             |                |
| Sample ID Sample Time          |                      |                           |         |        |        |          | 09:29    |              |                |              |              |             |                |                           |           |        |        |      | 09:05               |              |              |              |              |             |                |
|                                |                      | pə                        |         |        |        |          |          | P            | СВ             | 1            |              | e.          | pə             |                           |           |        |        |      |                     | PC           | СВ           | 1            |              | Э           |                |
| Parameter                      |                      | Total Suspended<br>Solids | Mercury | Nickel | Copper | Lead     | Zinc     | Aroclor 1242 | Aroclor 1248   | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it                   | (ppm)                     |         |        |        |          | (        | ppb)         |                |              |              | •           | •              | (ppm)                     |           |        |        |      | (                   | ppb)         |              |              |              |             |                |
| Detection                      | n Limit <sup>3</sup> | Ambient +<br>100          | 0.07    | 3.7    | 2.6    | 1.8      | 5.6      | 0.2          | 0.2            | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          | 1           | 0.1            |
| Water C                        | ,                    | *                         | 0.0007  | 8.2    | 5.6    | 8.0      | 66       | -            | 1              | -            |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66                  | -            | ı            | -            | -            | 16          | 0.0006         |
| S 33.8 ND                      |                      |                           |         |        | ND     | ND       | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 36                        | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М                    | 71                        | ND      | ND     | ND     | ND       | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 39                        | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                          | В                    | 115                       | ND      | ND     | ND     | ND       | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 92.5                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                                | Surve                | ey Date                                   |         |            |                   |                    |                |              |              |              |              |             |                | 11/26                     | 6/2018    |        |        |      |                     |              |              |              |              |             |                |
|--------------------------------|----------------------|---|---------|------------|-------------------|--------------------|----------------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve                | у Туре                                    |         |            |                   |                    |                |              |              |              |              |             |                | V - Vess                  | sel Basec |        |        |      |                     |              |              |              |              |             |                |
| Co                             | nstruct              | ion Activ                                 | ity     | TIP(<br>Fo | C - Tim<br>undati | nber Pil<br>on Ren | e Cap<br>noval |              | Com          | nents        |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
|                                | Т                    | ide                                       |         |            |                   |                    |                |              |              |              |              |             |                | FI                        | ood       |        |        |      |                     |              |              |              |              |             |                |
|                                |                      | Location                                  |         |            |                   |                    |                |              |              |              |              |             |                | В                         | 111       |        |        |      |                     |              |              |              |              |             |                |
| Sam<br>Loca                    |                      |   |         |            |                   | Upcu               | rrent (A       | mbien        | t)           |              |              |             |                |                           |           |        |        |      | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Soui                 |                      |   |         |            |                   | Appro              | x. 500 -       | 1000 f       | t¹           |              |              |             |                |                           |           |        |        |      | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | le ID                |   |         |            |                   | 112                | 618-TIP        | C-F-U        |              |              |              |             |                |                           |           |        |        | 11   | 2618-TIP            | C-F-D        |              |              |              |             |                |
| Sample                         | Time                 |   |         |            |                   |                    | 10:01          |              |              |              |              |             |                |                           |           |        |        |      | 09:47               |              |              |              |              |             |                |
|                                |                      | 10:01 PCB                                 |         |            |                   |                    |                |              |              |              |              | e e         | pa             |                           |           |        |        |      |                     | P            | СВ           |              |              | e e         |                |
| Parameter                      |                      | Total Suspended<br>Solids                 | Mercury | Nickel     | Copper            | Lead               | Zinc           | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it                   | (ppm)                                     |         |            |                   |                    | (              | ppb)         |              |              |              |             | !              | (ppm)                     |           |        |        |      | (                   | (ppb)        |              |              |              |             |                |
| Detection                      | n Limit <sup>3</sup> | Ambient +<br>100                          | 0.07    | 3.7        | 2.6               | 1.8                | 5.6            | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water C<br>Stand               | -                    | *   | 0.0007  | 8.2        | 5.6               | 8.0                | 66             | -            | -            | -            | -            | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66                  | -            | -            | -            | ı            | 16          | 0.0006         |
| ssult <sup>4</sup>             | s                    | 73 ND |         |            |                   |                    |                |              |              |              |              | ND          | 81             | ND                        | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          |                |
| Analytical Result <sup>4</sup> | М                    |   |         |            |                   |                    | NS             |              |              |              |              |             |                |                           | •         |        |        |      | NS                  |              |              |              |              |             |                |
| Analy                          | В                    | 105                                       | ND      | ND         | ND                | ND                 | ND             | ND           | ND           | ND           | ND           | ND          | ND             | 78                        | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

ND = Not Detected

|                                | Surve                | ey Date                                       |         |          |        |                |       |              |              |              |              |             |                | 11/26                     | 6/2018    |                     |          |        |       |              |              |              |              |             |                |
|--------------------------------|----------------------|---|---------|----------|--------|----------------|-------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|---------------------|----------|--------|-------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve                | у Туре  |         |          |        |                |       |              |              |              |              |             |                | V - Vess                  | sel Based |                     |          |        |       |              |              |              |              |             |                |
| Co                             | onstruct             | on Activity DBRI - Debris Removal Comments de |         |          |        |                |       |              |              |              |              |             |                |                           |           |                     |          |        |       |              |              |              |              |             |                |
|                                | Т                    | ide   |         |          |        |                |       |              |              |              |              |             |                | Fl                        | ood       |                     |          |        |       |              |              |              |              |             |                |
|                                |                      | Location                                      |         |          |        |                |       |              |              |              |              |             |                | B                         | 166       |                     |          |        |       |              |              |              |              |             |                |
| Sam<br>Loca                    |                      | Upcurrent (Ambient)                           |         |          |        |                |       |              |              |              |              |             |                |                           |           |                     | Downcur  | rent   |       |              |              |              |              |             |                |
| Distan<br>Soui                 |                      |   | Appro   | x. 500 - | 1000 f | t <sup>1</sup> |       |              |              |              |              |             |                |                           |           | 500 ft <sup>2</sup> | 2        |        |       |              |              |              |              |             |                |
| Samp                           | le ID                | 112618-DBRI-F-U                               |         |          |        |                |       |              |              |              |              |             |                |                           |           | 11                  | 2618-DBI | RI-F-D |       |              |              |              |              |             |                |
| Sample                         | Time                 |   |         |          |        |                | 10:31 |              |              |              |              |             |                |                           |           |                     |          |        | 10:16 |              |              |              |              |             |                |
|                                |                      |   |         |          |        |                |       |              |              |              |              |             |                |                           |           |                     |          |        |       |              | PC           | СВ           |              |             | e e            |
| Parameter                      |                      | Total Suspended<br>Solids                     | Mercury | Nickel   | Copper | Lead           | Zinc  | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel              | Copper   | Lead   | Zinc  | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it                   | (ppm)   |         |          | •      | •              | (     | ppb)         |              |              |              |             | •              | (ppm)                     |           |                     |          |        | (     | ppb)         |              |              |              |             |                |
| Detection                      | n Limit <sup>3</sup> | Ambient +<br>100                              | 0.07    | 3.7      | 2.6    | 1.8            | 5.6   | 0.2          | 0.2          | 0.2          | 0.2          | -           | 0.1            | Ambient +<br>100          | 0.07      | 3.7                 | 2.6      | 1.8    | 5.6   | 0.2          | 0.2          | 0.2          | 0.2          | 1           | 0.1            |
| Water C<br>Stand               | -                    | *   | 0.0007  | 8.2      | 5.6    | 8.0            | 66    | -            | -            | -            | -            | 16          | 0.0006         | *                         | 0.0007    | 8.2                 | 5.6      | 8.0    | 66    | -            |              | -            | ı            | 16          | 0.0006         |
| ssult <sup>4</sup>             | s                    | 89.5 ND   |         |          |        |                |       |              |              |              |              | ND          | 117            | ND                        | ND        | ND                  | ND       | ND     | ND    | ND           | ND           | ND           | ND           | ND          |                |
| Analytical Result <sup>4</sup> | М                    |   | NS NS   |          |        |                |       |              |              |              |              |             |                |                           |           |                     |          |        | NS    |              |              |              |              |             |                |
| Analy                          | В                    | 103   | ND      | ND       | ND     | ND             | ND    | ND           | ND           | ND           | ND           | ND          | ND             | 120                       | ND        | ND                  | ND       | ND     | ND    | ND           | ND           | ND           | ND           | ND          | ND             |

ND = Not Detected

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                                | Surve                | ey Date                         |         |        |         |          |          |              |                |              |              |             |                | 11/26                     | 6/2018    |        |        |         |                     |              |              |              |              |             |                |
|--------------------------------|----------------------|---------------------------------|---------|--------|---------|----------|----------|--------------|----------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|---------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve                | у Туре                          |         |        |         |          |          |              |                |              |              |             |                | V - Vess                  | sel Based |        |        |         |                     |              |              |              |              |             |                |
| Co                             | onstruct             | ion Activi                      | ity     | CHDE   | E - Cha | in Dep   | loyment  |              | Com            | nents        |              |             |                |                           |           |        |        |         |                     |              |              |              |              |             |                |
|                                | Т                    | ide                             |         |        |         |          |          |              |                |              |              |             |                | FI                        | ood       |        |        |         |                     |              |              |              |              |             |                |
|                                |                      | e Location  Upcurrent (Ambient) |         |        |         |          |          |              |                |              |              |             | В              | 176                       |           |        |        |         |                     |              |              |              |              |             |                |
| Sam<br>Loca                    |                      |                                 |         |        | Upcu    | rrent (A | mbien    | t)           |                |              |              |             |                |                           |           |        |        | Downcur | rent                |              |              |              |              |             |                |
| Distan<br>Sou                  |                      |                                 |         |        |         | Appro    | x. 500 - | 1000 f       | t <sup>1</sup> |              |              |             |                |                           |           |        |        |         | 800 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | le ID                |                                 |         |        |         | 1126     | 618-CHE  | E-F-U        |                |              |              |             |                |                           |           |        |        | 11:     | 2618-CHE            | E-F-D        | 1            |              |              |             |                |
| Sample                         | Time                 |                                 |         |        |         |          | 12:57    |              |                |              |              |             |                |                           |           |        |        |         | 12:31               |              |              |              |              |             |                |
|                                |                      | pa                              |         |        |         |          |          |              | P              | СВ           | 1            | _           | e e            | Pa                        |           |        |        |         |                     |              | P            | СВ           | 1            |             | e e            |
| Parameter                      |                      | Total Suspended<br>Solids       | Mercury | Nickel | Copper  | Lead     | Zinc     | Aroclor 1242 | Aroclor 1248   | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead    | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it                   | (ppm)                           |         | •      | •       |          | (        | ppb)         |                |              |              | •           |                | (ppm)                     |           |        |        |         | (                   | ppb)         |              |              |              |             |                |
| Detection                      | n Limit <sup>3</sup> | Ambient +<br>100                | 0.07    | 3.7    | 2.6     | 1.8      | 5.6      | 0.2          | 0.2            | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8     | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          | ı           | 0.1            |
| Water C                        | ,                    | *                               | 0.0007  | 8.2    | 5.6     | 8.0      | 66       | -            | 1              | -            |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0     | 66                  | -            |              | -            | -            | 16          | 0.0006         |
| ssult <sup>4</sup>             | s                    | 43                              | ND      | ND     | ND      | ND       | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 63.7                      | ND        | ND     | ND     | ND      | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М                    | 53                              | ND      | ND     | ND      | ND       | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 55                        | ND        | ND     | ND     | ND      | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                          | В                    | 81.6                            | ND      | ND     | ND      | ND       | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 96.5                      | ND        | ND     | ND     | ND      | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected as close to the edge of the 500 ft mixing zone as practicable

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                                | Surv    | ey Date                   |                                    |        |         |         |          |              |              |              |              |             |                | 11/27                     | 7/2018    |        |        |      |                     |              |              |              |              |             |                |
|--------------------------------|---------|---------------------------|------------------------------------|--------|---------|---------|----------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve   | у Туре                    |                                    |        |         |         |          |              |              |              |              |             |                | V - Vess                  | sel Based |        |        |      |                     |              |              |              |              |             |                |
| Co                             | nstruct | ion Activ                 | ity                                | DBF    | RI - De | oris Re | moval    |              | Comr         | nents        |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
|                                | Т       | ide                       |                                    |        |         |         |          |              |              |              |              |             |                | E                         | bb        |        |        |      |                     |              |              |              |              |             |                |
|                                |         | Location                  |                                    |        |         |         |          |              |              |              |              |             |                | B <sup>.</sup>            | 166       |        |        |      |                     |              |              |              |              |             |                |
| Sam<br>Loca                    |         |                           |                                    |        |         | Upcu    | rrent (A | mbien        | t)           |              |              |             |                |                           |           |        |        | I    | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Sou                  |         |                           | Approx. 500 - 1000 ft <sup>1</sup> |        |         |         |          |              |              |              |              |             |                |                           |           |        |        |      | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | le ID   |                           |                                    |        |         | 112     | 718-DBF  | RI-E-U       |              |              |              |             |                |                           |           |        |        | 11   | 2718-DBF            | RI-E-D       |              |              |              |             |                |
| Sample                         | Time    |                           |                                    |        |         |         | 08:54    |              |              |              |              |             |                |                           |           |        |        |      | 08:45               |              |              |              |              |             |                |
|                                |         | pə                        |                                    |        |         |         |          |              | P            | СВ           |              | •           | ne             | pə                        |           |        |        |      |                     |              | P            | СВ           |              | 0           | ne             |
| Parameter                      |         | Total Suspended<br>Solids | Mercury                            | Nickel | Copper  | Lead    | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it      | (ppm)                     |                                    | •      | •       |         | (        | ppb)         |              |              |              |             |                | (ppm)                     |           |        |        |      | (                   | ppb)         | •            | •            |              |             |                |
| Detec<br>Lim                   |         | Ambient +<br>100          | 0.07                               | 3.7    | 2.6     | 1.8     | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          | -           | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          | 1           | 0.1            |
| Water C                        | - 1     | *                         | 0.0007                             | 8.2    | 5.6     | 8.0     | 66       | ı            | 1            | -            |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66                  |              |              |              |              | 16          | 0.0006         |
| esult <sup>4</sup>             | S       | 48.3                      | ND                                 | ND     | ND      | ND      | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 45.8                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М       |                           | NS                                 |        |         |         |          |              |              |              |              |             |                |                           |           |        |        |      | NS                  |              |              |              |              |             |                |
| Anal                           | В       | 62.3                      | ND                                 | ND     | ND      | ND      | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 52                        | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

ND = Not Detected

|                                | Surve                | ey Date  |         |        |        |      |       |              |              |              |              |             |                | 11/27                     | 7/2018    |        |        |                     |       |              |              |              |              |             |                |
|--------------------------------|----------------------|--|---------|--------|--------|------|-------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|---------------------|-------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve                | у Туре   |         |        |        |      |       |              |              |              |              |             |                | V - Vess                  | sel Based |        |        |                     |       |              |              |              |              |             |                |
| Co                             | nstruct              | on Activity  TIPC - Timber Pile Cap Foundation Removal  Comments  de |         |        |        |      |       |              |              |              |              |             |                |                           |           |        |        |                     |       |              |              |              |              |             |                |
|                                | Т                    | ide  |         |        |        |      |       |              |              |              |              |             |                | FI                        | ood       |        |        |                     |       |              |              |              |              |             |                |
|                                |                      | Location   |         |        |        |      |       |              |              |              |              |             |                | В                         | 110       |        |        |                     |       |              |              |              |              |             |                |
| Sam<br>Loca                    |                      | Upcurrent (Ambient)  |         |        |        |      |       |              |              |              |              |             |                |                           |           |        |        | Downcur             | rent  |              |              |              |              |             |                |
| Distan<br>Sou                  |                      | Approx. 500 - 1000 ft <sup>1</sup>                                   |         |        |        |      |       |              |              |              |              |             |                |                           |           |        |        | 500 ft <sup>2</sup> | 2     |              |              |              |              |             |                |
| Samp                           | le ID                | 112718-TIPC-F-U  |         |        |        |      |       |              |              |              |              |             |                |                           |           |        | 11     | 2718-TIP            | C-F-D |              |              |              |              |             |                |
| Sample                         | Time                 |  |         |        |        |      | 09:17 |              |              |              |              |             |                |                           |           |        |        |                     | 09:04 |              |              |              |              |             |                |
|                                |                      | pə   |         |        |        |      |       |              | P            | СВ           | 1            | _           | e e            | Pa                        |           |        |        |                     |       |              | PC           | СВ           |              |             | e e            |
| Parameter                      |                      | Total Suspended<br>Solids  | Mercury | Nickel | Copper | Lead | Zinc  | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead                | Zinc  | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it                   | (ppm)  |         |        |        |      | (     | ppb)         |              |              |              |             | !              | (ppm)                     |           |        |        |                     | (     | ppb)         |              |              |              |             |                |
| Detection                      | n Limit <sup>3</sup> | Ambient +<br>100   | 0.07    | 3.7    | 2.6    | 1.8  | 5.6   | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8                 | 5.6   | 0.2          | 0.2          | 0.2          | 0.2          | ı           | 0.1            |
| Water C                        | -                    | *  | 0.0007  | 8.2    | 5.6    | 8.0  | 66    | -            | 1            | -            |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0                 | 66    | -            | -            | -            | ı            | 16          | 0.0006         |
| ssult <sup>4</sup>             | s                    | 53.6 ND                          |         |        |        |      |       |              |              |              |              |             | ND             | 42.8                      | ND        | ND     | ND     | ND                  | ND    | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М                    |  | NS NS   |        |        |      |       |              |              |              |              |             |                |                           |           |        |        |                     | NS    |              |              |              |              |             |                |
| Analy                          | В                    | 64.4   | ND      | ND     | ND     | ND   | ND    | ND           | ND           | ND           | ND           | ND          | ND             | 63.6                      | ND        | ND     | ND     | ND                  | ND    | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

ND = Not Detected

|                                | Surve                | ey Date                            |         |        |        |      |        |              |              |              |              |             |                | 11/27                     | 7/2018    |        |        |      |                     |              |              |              |              |             |                |
|--------------------------------|----------------------|------------------------------------|---------|--------|--------|------|--------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve                | у Туре                             |         |        |        |      |        |              |              |              |              |             |                | V - Vess                  | sel Basec |        |        |      |                     |              |              |              |              |             |                |
| C                              | onstruct             |                                    |         |        |        |      |        |              |              |              |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
|                                | Т                    | ide                                |         |        |        |      |        |              |              |              |              |             |                | FI                        | ood       |        |        |      |                     |              |              |              |              |             |                |
|                                |                      | Location                           |         |        |        |      |        |              |              |              |              |             |                | В                         | 176       |        |        |      |                     |              |              |              |              |             |                |
| Sam<br>Loca                    |                      | Upcurrent (Ambient)                |         |        |        |      |        |              |              |              |              |             |                |                           |           |        |        | I    | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Sou                  |                      | Approx. 500 - 1000 ft <sup>1</sup> |         |        |        |      |        |              |              |              |              |             |                |                           |           |        |        |      | 700 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | le ID                |                                    |         |        |        | 1127 | 18-CHE | E-F-U        |              |              |              |             |                |                           |           |        |        | 112  | 2718-CH[            | DE-F-D       | )            |              |              |             |                |
| Sample                         | Time                 |                                    |         |        |        |      | 12:24  |              |              |              |              |             |                |                           |           |        |        |      | 12:06               | i            |              |              |              |             |                |
|                                |                      | pə                                 |         |        |        |      |        |              | P            | СВ           |              |             | e<br>e         | pa                        |           |        |        |      |                     |              | P            | СВ           |              |             | e e            |
| Parameter                      |                      | Total Suspended<br>Solids          | Mercury | Nickel | Copper | Lead | Zinc   | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it                   | (ppm)                              |         |        |        |      | (      | ppb)         |              |              |              |             | •              | (ppm)                     |           |        |        |      |                     | (ppb)        |              |              |              |             |                |
| Detectio                       | n Limit <sup>3</sup> | Ambient +<br>100                   | 0.07    | 3.7    | 2.6    | 1.8  | 5.6    | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          | ı           | 0.1            |
| Water (                        | ,                    | *                                  | 0.0007  | 8.2    | 5.6    | 8.0  | 66     |              |              |              |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66                  |              |              |              |              | 16          | 0.0006         |
| sult <sup>4</sup>              | s                    | 31.8                               | ND      | ND     | ND     | ND   | ND     | ND           | ND           | ND           | ND           | ND          | ND             | 37.8                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М                    | 36                                 | ND      | ND     | ND     | ND   | ND     | ND           | ND           | ND           | ND           | ND          | ND             | 38                        | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                          | В                    | 56                                 | ND      | ND     | ND     | ND   | ND     | ND           | ND           | ND           | ND           | ND          | ND             | 34.8                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected as close to the edge of the 500 ft mixing zone as practicable

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                                | Surve                | ey Date  |         |        |        |      |       |              |              |              |              |             |                | 11/28                     | 3/2018    |        |        |                     |       |              |              |              |              |             |                |
|--------------------------------|----------------------|--|---------|--------|--------|------|-------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|---------------------|-------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve                | у Туре   |         |        |        |      |       |              |              |              |              |             |                | V - Vess                  | sel Based |        |        |                     |       |              |              |              |              |             |                |
| Co                             | nstruct              | on Activity  TIPC - Timber Pile Cap Foundation Removal  Comments  de |         |        |        |      |       |              |              |              |              |             |                |                           |           |        |        |                     |       |              |              |              |              |             |                |
|                                | Т                    | ide  |         |        |        |      |       |              |              |              |              |             |                | FI                        | ood       |        |        |                     |       |              |              |              |              |             |                |
|                                |                      | Location   |         |        |        |      |       |              |              |              |              |             |                | В                         | 114       |        |        |                     |       |              |              |              |              |             |                |
| Sam<br>Loca                    |                      | Upcurrent (Ambient)  |         |        |        |      |       |              |              |              |              |             |                |                           |           |        |        | Downcur             | rent  |              |              |              |              |             |                |
| Distan<br>Soui                 |                      | Approx. 500 - 1000 ft <sup>1</sup>                                   |         |        |        |      |       |              |              |              |              |             |                |                           |           |        |        | 500 ft <sup>2</sup> | 2     |              |              |              |              |             |                |
| Samp                           | le ID                | 112818-TIPC-F-U  |         |        |        |      |       |              |              |              |              |             |                |                           |           |        | 11     | 2818-TIP            | C-F-D |              |              |              |              |             |                |
| Sample                         | Time                 |  |         |        |        |      | 10:25 |              |              |              |              |             |                |                           |           |        |        |                     | 10:08 |              |              |              |              |             |                |
|                                |                      | pa   |         |        |        |      |       |              | P            | СВ           | 1            | _           | e e            | pa                        |           |        |        |                     |       |              | PC           | СВ           |              |             | e e            |
| Parameter                      |                      | Total Suspended<br>Solids  | Mercury | Nickel | Copper | Lead | Zinc  | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead                | Zinc  | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it                   | (ppm)  |         |        |        |      | (     | ppb)         |              |              |              |             |                | (ppm)                     |           |        |        |                     | (     | ppb)         |              |              |              |             |                |
| Detection                      | n Limit <sup>3</sup> | Ambient +<br>100   | 0.07    | 3.7    | 2.6    | 1.8  | 5.6   | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8                 | 5.6   | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water C<br>Stand               | -                    | *  | 0.0007  | 8.2    | 5.6    | 8.0  | 66    | -            | -            | -            | -            | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0                 | 66    | -            |              | -            | ı            | 16          | 0.0006         |
| esult <sup>4</sup>             | s                    | 64.7 ND                          |         |        |        |      |       |              |              |              |              |             | ND             | 56.8                      | ND        | ND     | ND     | ND                  | ND    | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М                    | _  | NS NS   |        |        |      |       |              |              |              |              |             |                |                           |           |        |        |                     | NS    |              |              |              |              |             |                |
| Analy                          | В                    | 58.3   | ND      | ND     | ND     | ND   | ND    | ND           | ND           | ND           | ND           | ND          | ND             | 53.6                      | ND        | ND     | ND     | ND                  | ND    | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

ND = Not Detected

|                                | Surve                | ey Date                                       |         |        |        |      |       |              |              |              |              |             |                | 11/28                     | 3/2018    |        |                     |          |        |              |              |              |              |             |                |
|--------------------------------|----------------------|---|---------|--------|--------|------|-------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|---------------------|----------|--------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve                | у Туре  |         |        |        |      |       |              |              |              |              |             |                | V - Vess                  | sel Based |        |                     |          |        |              |              |              |              |             |                |
| Co                             | onstruct             | on Activity DBRI - Debris Removal Comments de |         |        |        |      |       |              |              |              |              |             |                |                           |           |        |                     |          |        |              |              |              |              |             |                |
|                                | Т                    | ide   |         |        |        |      |       |              |              |              |              |             |                | FI                        | ood       |        |                     |          |        |              |              |              |              |             |                |
|                                |                      | Location                                      |         |        |        |      |       |              |              |              |              |             |                | B                         | 169       |        |                     |          |        |              |              |              |              |             |                |
| Sam<br>Loca                    |                      | Upcurrent (Ambient)                           |         |        |        |      |       |              |              |              |              |             |                |                           |           |        | ı                   | Downcur  | rent   |              |              |              |              |             |                |
| Distan<br>Soui                 |                      | Approx. 500 - 1000 ft <sup>1</sup>            |         |        |        |      |       |              |              |              |              |             |                |                           |           |        | 500 ft <sup>2</sup> | 2        |        |              |              |              |              |             |                |
| Samp                           | le ID                | 112818-DBRI-F-U                               |         |        |        |      |       |              |              |              |              |             |                |                           |           |        | 11                  | 2818-DBI | RI-F-D |              |              |              |              |             |                |
| Sample                         | Time                 |   |         |        |        |      | 10:52 |              |              |              |              |             |                |                           |           |        |                     |          | 10:38  |              |              |              |              |             |                |
|                                |                      | pə  |         |        |        |      |       |              | P            | СВ           |              | •           | e              | pa                        |           |        |                     |          |        |              | PC           | СВ           |              |             | e              |
| Parameter                      |                      | Total Suspended<br>Solids                     | Mercury | Nickel | Copper | Lead | Zinc  | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper              | Lead     | Zinc   | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it                   | (ppm)   |         |        |        |      | (     | ppb)         |              |              |              |             |                | (ppm)                     |           |        |                     |          | (      | ppb)         |              |              |              |             |                |
| Detection                      | n Limit <sup>3</sup> | Ambient +<br>100                              | 0.07    | 3.7    | 2.6    | 1.8  | 5.6   | 0.2          | 0.2          | 0.2          | 0.2          | -           | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6                 | 1.8      | 5.6    | 0.2          | 0.2          | 0.2          | 0.2          | 1           | 0.1            |
| Water C<br>Stand               | -                    | *   | 0.0007  | 8.2    | 5.6    | 8.0  | 66    | -            | -            |              |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6                 | 8.0      | 66     |              |              |              | ı            | 16          | 0.0006         |
| esult <sup>4</sup>             | s                    | 44 ND     |         |        |        |      |       |              |              |              |              |             | ND             | 52                        | ND        | ND     | ND                  | ND       | ND     | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М                    |   | NS NS   |        |        |      |       |              |              |              |              |             |                |                           |           |        |                     |          | NS     |              |              |              |              |             |                |
| Analy                          | В                    | 48.7  | ND      | ND     | ND     | ND   | ND    | ND           | ND           | ND           | ND           | ND          | ND             | 59.7                      | ND        | ND     | ND                  | ND       | ND     | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

ND = Not Detected

|                                | Surve                | ey Date                       |         |        |         |        |          |              |                |              |              |             |                | 11/28                     | 3/2018    |        |        |      |                     |              |              |              |              |             |                |
|--------------------------------|----------------------|-------------------------------|---------|--------|---------|--------|----------|--------------|----------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve                | у Туре                        |         |        |         |        |          |              |                |              |              |             |                | V - Vess                  | sel Based |        |        |      |                     |              |              |              |              |             |                |
| Co                             | onstruct             | ion Activi                    | ity     | CHDE   | E - Cha | in Dep | loyment  |              | Com            | nents        |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
|                                | Т                    | ide                           |         |        |         |        |          |              |                |              |              |             |                | FI                        | ood       |        |        |      |                     |              |              |              |              |             |                |
|                                |                      | Location  Upcurrent (Ambient) |         |        |         |        |          |              |                |              |              |             |                | В                         | 178       |        |        |      |                     |              |              |              |              |             |                |
| Sam<br>Loca                    |                      |                               |         |        |         | Upcu   | rrent (A | mbien        | t)             |              |              |             |                |                           |           |        |        |      | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Sou                  |                      |                               |         |        |         | Appro  | x. 500 - | 1000 f       | t <sup>1</sup> |              |              |             |                |                           |           |        |        |      | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | le ID                |                               |         |        |         | 1128   | 318-CHE  | E-F-U        |                |              |              |             |                |                           |           |        |        | 112  | 2818-CHE            | E-F-D        |              |              |              |             |                |
| Sample                         | Time                 |                               |         |        |         |        | 14:26    |              |                |              |              |             |                |                           |           |        |        |      | 13:59               |              |              |              |              |             |                |
|                                |                      | 14:26 PCB g                   |         |        |         |        |          |              |                |              |              |             |                | pə                        |           |        |        |      |                     |              | PC           | СВ           | 1            |             | Э              |
| Parameter                      |                      | Total Suspended<br>Solids     | Mercury | Nickel | Copper  | Lead   | Zinc     | Aroclor 1242 | Aroclor 1248   | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it                   | (ppm)                         |         | •      | •       |        | (        | ppb)         |                |              |              | •           | •              | (ppm)                     |           |        |        |      | (                   | ppb)         |              |              |              |             |                |
| Detection                      | n Limit <sup>3</sup> | Ambient +<br>100              | 0.07    | 3.7    | 2.6     | 1.8    | 5.6      | 0.2          | 0.2            | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          | ı           | 0.1            |
| Water C                        | ,                    | *                             | 0.0007  | 8.2    | 5.6     | 8.0    | 66       | -            | 1              | -            |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66                  | -            | ı            | -            | -            | 16          | 0.0006         |
| sult <sup>4</sup>              | s                    | 44.5 ND ND ND ND ND ND ND N   |         |        |         |        |          |              |                |              | ND           | ND          | ND             | 45                        | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М                    | 49.7                          | ND      | ND     | ND      | ND     | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 53.3                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                          | В                    | 53.7                          | ND      | ND     | ND      | ND     | ND       | ND           | ND             | ND           | ND           | ND          | ND             | 45.3                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                                | Surv    | ey Date                   |         |        |          |         |          |              |              |              |              |             |                | 11/29                     | 9/2018    |        |        |      |                     |              |              |              |              |             |                |
|--------------------------------|---------|---------------------------|---------|--------|----------|---------|----------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve   | у Туре                    |         |        |          |         |          |              |              |              |              |             |                | V - Vess                  | sel Based |        |        |      |                     |              |              |              |              |             |                |
| Co                             | nstruct | ion Activ                 | ity     | DBF    | RI - Del | bris Re | moval    |              | Comr         | nents        |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
|                                | Т       | ide                       |         |        |          |         |          |              |              |              |              |             |                | E                         | bb        |        |        |      |                     |              |              |              |              |             |                |
|                                |         | Location                  |         |        |          |         |          |              |              |              |              |             |                | B <sup>-</sup>            | 166       |        |        |      |                     |              |              |              |              |             |                |
| Sam<br>Loca                    |         |                           |         |        |          | Upcu    | rrent (A | mbien        | t)           |              |              |             |                |                           |           |        |        | I    | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Sou                  |         |                           |         |        |          | Appro   | x. 500 - | 1000 f       | t¹           |              |              |             |                |                           |           |        |        |      | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | le ID   |                           |         |        |          | 112     | 918-DBI  | RI-E-U       |              |              |              |             |                |                           |           |        |        | 11   | 2918-DBI            | RI-E-D       |              |              |              |             |                |
| Sample                         | Time    | _                         | _       |        |          |         | 08:43    |              |              |              |              |             |                | _                         |           |        |        |      | 08:29               |              |              |              |              |             |                |
|                                |         | pə                        |         |        |          |         |          |              | PO           | СВ           | 1            |             | ле             | pə                        |           |        |        |      |                     |              | PO           | СВ           |              |             | ле             |
| Parameter                      |         | Total Suspended<br>Solids | Mercury | Nickel | Copper   | Lead    | Zinc     | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it      | (ppm)                     |         |        | •        |         | (        | (ppb)        |              |              |              |             |                | (ppm)                     |           |        |        |      | (                   | (ppb)        |              |              |              |             |                |
| Detec<br>Lim                   |         | Ambient +<br>100          | 0.07    | 3.7    | 2.6      | 1.8     | 5.6      | 0.2          | 0.2          | 0.2          | 0.2          | 1           | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          | 1           | 0.1            |
| Water C                        | -       | *                         | 0.0007  | 8.2    | 5.6      | 8.0     | 66       |              |              |              |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66                  | -            |              | -            | -            | 16          | 0.0006         |
| esult <sup>4</sup>             | S       |                           |         | NS     |          |         |          |              |              |              | NS           |             |                |                           |           |        | _      |      |                     |              |              |              |              |             |                |
| Analytical Result <sup>4</sup> | М       | 59.6                      | ND      | ND     | ND       | ND      | ND       | ND           | ND           | ND           | ND           | ND          | ND             | 76                        | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                          | В       |                           |         |        |          |         | NS       |              |              |              |              |             |                |                           |           |        |        |      | NS                  |              |              |              |              |             |                |

ND = Not Detected

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                                | Surve   | ey Date                   |         |                               |        |                    |          |              |                |              |              |             |                | 11/29                     | 9/2018   |        |        |      |                     |              |              |              |              |             |                |
|--------------------------------|---------|---------------------------|---------|-------------------------------|--------|--------------------|----------|--------------|----------------|--------------|--------------|-------------|----------------|---------------------------|----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve   | у Туре                    |         |                               |        |                    |          |              |                |              |              |             |                | V - Vess                  | el Based |        |        |      |                     |              |              |              |              |             |                |
| Co                             | nstruct | ion Activi                | ity     |                               |        | nber Pil<br>on Ren |          |              | Comr           | nents        |              |             |                |                           |          |        |        |      |                     |              |              |              |              |             |                |
|                                | T       | ide                       |         |                               |        |                    |          |              |                |              |              |             |                | E                         | bb       |        |        |      |                     |              |              |              |              |             |                |
|                                | Source  | Location                  |         |                               |        |                    |          |              |                |              |              |             |                | B1                        | 114      |        |        |      |                     |              |              |              |              |             |                |
| Sam<br>Loca                    |         |                           |         |                               |        | Upcu               | rrent (A | mbien        | t)             |              |              |             |                |                           |          |        |        | ı    | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Sou                  |         |                           |         |                               |        | Appro              | x. 500 - | 1000 f       | t <sup>1</sup> |              |              |             |                |                           |          |        |        |      | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | le ID   |                           |         |                               |        | 112                | 918-TIP  | C-E-U        |                |              |              |             |                |                           |          |        |        | 11   | 2918-TIP            | C-E-D        |              |              |              |             |                |
| Sample                         | Time    |                           |         |                               |        |                    | 09:05    |              |                |              |              |             |                |                           |          |        |        |      | 08:55               | i            |              |              |              |             |                |
| Parameter                      |         | Total Suspended<br>Solids | Mercury | Nickel                        | Copper | Lead               | Zinc     | Aroclor 1242 | Aroclor 1248   | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury  | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it      | (ppm)                     |         |                               |        |                    | (        | ppb)         |                |              |              |             |                | (ppm)                     |          |        |        |      | (                   | (ppb)        |              |              |              |             |                |
| Detec<br>Lim                   |         | Ambient +<br>100          | 0.07    | 3.7                           | 2.6    | 1.8                | 5.6      | 0.2          | 0.2            | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07     | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          | ı           | 0.1            |
| Water C                        | -       | *                         | 0.0007  | 8.2                           | 5.6    | 8.0                | 66       | -            | 1              | -            |              | 16          | 0.0006         | *                         | 0.0007   | 8.2    | 5.6    | 8.0  | 66                  | -            |              | -            | 1            | 16          | 0.0006         |
| sult <sup>4</sup>              | s       |                           | NS      |                               |        |                    |          |              |                |              |              |             |                |                           |          |        |        |      | NS                  |              |              |              |              |             |                |
| Analytical Result <sup>4</sup> | М       | 48.7                      | ND      | ND |        |                    |          |              |                |              |              |             |                |                           | ND       | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                          | В       |                           |         |                               |        |                    | NS       |              |                |              |              |             |                |                           |          |        |        |      | NS                  |              | <u> </u>     |              |              |             |                |

ND = Not Detected

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                                | Surv     | ey Date                   |                                    |        |        |          |         |              |              |              |              |             |                | 11/30                     | )/2018    |        |        |      |                     |              |              |              |              |             |                |
|--------------------------------|----------|---------------------------|------------------------------------|--------|--------|----------|---------|--------------|--------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve    | у Туре                    |                                    |        |        |          |         |              |              |              |              |             |                | V - Vess                  | sel Based | l      |        |      |                     |              |              |              |              |             |                |
| Co                             | onstruct | ion Activ                 | ity                                |        | JETT   | - Jettir | ng      |              | Com          | ments        |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
|                                | Т        | ide                       |                                    |        |        |          |         |              |              |              |              |             |                | E                         | bb        |        |        |      |                     |              |              |              |              |             |                |
|                                |          | Location                  |                                    |        |        |          |         |              |              |              |              |             |                | В                         | 173       |        |        |      |                     |              |              |              |              |             |                |
| Sam<br>Loca                    |          |                           | Upcurrent (Ambient)                |        |        |          |         |              |              |              |              |             |                |                           |           |        |        | ı    | Downcur             | rent         |              |              |              |             |                |
| Distan<br>Sou                  |          |                           | Approx. 500 - 1000 ft <sup>1</sup> |        |        |          |         |              |              |              |              |             |                |                           |           |        |        |      | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | le ID    |                           |                                    |        |        | 113      | 018-JET | T-E-U        |              |              |              |             |                |                           |           |        |        | 11:  | 3018-JET            | T-E-D        |              |              |              |             |                |
| Sample                         | Time     |                           |                                    |        |        |          | 09:19   |              |              |              |              |             |                |                           |           |        |        |      | 08:51               |              |              |              |              |             |                |
|                                |          | ed                        |                                    |        |        |          |         |              | P            | СВ           |              |             | ne             | pə                        |           |        |        |      |                     |              | P            | СВ           |              | 4           | ne             |
| Parameter                      |          | Total Suspended<br>Solids | Mercury                            | Nickel | Copper | Lead     | Zinc    | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Un                             | it       | (ppm)                     |                                    |        |        |          | (       | ppb)         |              |              |              |             |                | (ppm)                     |           |        |        |      | (                   | ppb)         |              |              |              |             |                |
| Detec<br>Lim                   |          | Ambient +<br>100          | 0.07                               | 3.7    | 2.6    | 1.8      | 5.6     | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          | -           | 0.1            |
| Water C                        |          | *                         | 0.0007                             | 8.2    | 5.6    | 8.0      | 66      |              |              |              |              | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66                  | -            |              | -            |              | 16          | 0.0006         |
| esult <sup>4</sup>             | s        | 40                        | ND                                 | ND     | ND     | ND       | ND      | ND           | ND           | ND           | ND           | ND          | ND             | 59.5                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analytical Result <sup>4</sup> | М        | 77                        | ND                                 | ND     | ND     | ND       | ND      | ND           | ND           | ND           | ND           | ND          | ND             | 69.3                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                          | В        | 99                        | ND                                 | ND     | ND     | ND       | ND      | ND           | ND           | ND           | ND           | ND          | ND             | 66.5                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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

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

<sup>--</sup> No detection limit or water quality standard

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

|                                | Surv     | ey Date                   |         |        |        |                   |          |              |                 |              |              |             |                | 11/30                     | )/2018    |        |        |      |                     |              |              |              |              |             |                |
|--------------------------------|----------|---------------------------|---------|--------|--------|-------------------|----------|--------------|-----------------|--------------|--------------|-------------|----------------|---------------------------|-----------|--------|--------|------|---------------------|--------------|--------------|--------------|--------------|-------------|----------------|
|                                | Surve    | у Туре                    |         |        |        |                   |          |              |                 |              |              |             |                | V - Vess                  | sel Basec |        |        |      |                     |              |              |              |              |             |                |
| Co                             | onstruct | ion Activ                 | ity     |        |        | nber Pi<br>on Ren |          |              | Comi            | ments        |              |             |                |                           |           |        |        |      |                     |              |              |              |              |             |                |
|                                | Т        | ide                       |         |        |        |                   |          |              |                 |              |              |             |                | Е                         | bb        |        |        |      |                     |              |              |              |              |             |                |
|                                |          | Location                  |         |        |        |                   |          |              |                 |              |              |             |                | В                         | 115       |        |        |      |                     |              |              |              |              |             |                |
| Sam<br>Loca                    |          |                           |         |        |        | Upcu              | rrent (A | mbien        | t)              |              |              |             |                |                           |           |        |        | I    | Downcur             | rent         |              |              |              |             |                |
| Distar<br>Sou                  |          |                           |         |        |        | Appro             | x. 500 - | 1000 f       | ft <sup>1</sup> |              |              |             |                |                           |           |        |        |      | 500 ft <sup>2</sup> | 2            |              |              |              |             |                |
| Samp                           | le ID    |                           |         |        |        | 113               | 018-TIP  | C-E-U        |                 |              |              |             |                |                           |           |        |        | 11   | 3018-TIP            | C-E-D        |              |              |              |             |                |
| Sample                         | Time     |                           |         |        |        |                   | 09:50    |              |                 |              |              |             |                |                           |           |        |        |      | 09:40               |              |              |              |              |             |                |
|                                |          | pa                        |         |        |        |                   |          |              | P               | СВ           |              |             | Эe             | pə                        |           |        |        |      |                     |              | P            | СВ           |              |             | Эe             |
| Parameter                      |          | Total Suspended<br>Solids | Mercury | Nickel | Copper | Lead              | Zinc     | Aroclor 1242 | Aroclor 1248    | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene | Total Suspended<br>Solids | Mercury   | Nickel | Copper | Lead | Zinc                | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Naphthalene | Benzo(a)pyrene |
| Ur                             | iit      | (ppm)                     |         |        |        |                   | (        | (ppb)        |                 |              |              |             |                | (ppm)                     |           |        |        |      | (                   | ppb)         |              |              |              |             |                |
| Detec<br>Lim                   |          | Ambient +<br>100          | 0.07    | 3.7    | 2.6    | 1.8               | 5.6      | 0.2          | 0.2             | 0.2          | 0.2          | -           | 0.1            | Ambient +<br>100          | 0.07      | 3.7    | 2.6    | 1.8  | 5.6                 | 0.2          | 0.2          | 0.2          | 0.2          |             | 0.1            |
| Water (                        | -        | *                         | 0.0007  | 8.2    | 5.6    | 8.0               | 66       | -            | -               |              | -            | 16          | 0.0006         | *                         | 0.0007    | 8.2    | 5.6    | 8.0  | 66                  | 1            | -            | -            | 1            | 16          | 0.0006         |
| esult⁴                         | s        |                           |         |        |        |                   | NS       |              |                 |              |              |             |                |                           |           |        |        |      | NS                  |              |              |              |              |             |                |
| Analytical Result <sup>4</sup> | М        | 54.5                      | ND      | ND     | ND     | ND                | ND       | ND           | ND              | ND           | ND           | ND          | ND             | 74.5                      | ND        | ND     | ND     | ND   | ND                  | ND           | ND           | ND           | ND           | ND          | ND             |
| Analy                          | В        |                           |         |        |        |                   | NS       |              |                 |              |              |             | •              |                           | •         |        |        |      | NS                  |              |              |              |              |             |                |

ND = Not Detected

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

<sup>&</sup>lt;sup>2</sup> Samples collected at the edge of the 500 ft mixing zone

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