SAMPLING TRIP REPORT

Site Name: Richardson Hill Rd LF Site
CERCLIS ID Number: NYD 00
Sampling Date: 17-20 October 2016
CLP Case Number: 46613
Site Location: Sidney, New York

1. Laboratories Receiving Samples:

Sample Type	Laboratory Code	Name and Address of Laboratory
Surface Water and Sediment for PCBs	SHEALY	106 Vantage Point Drive West Columbia, SC 29172
Fish Tissue Samples for PCBs	SHEALY	106 Vantage Point Drive West Columbia, SC 29172

2. Sample Dispatch Data:

The total numbers of environmental samples delivered to the laboratory via OSCAR Station were 7 Surface Water and Sediment samples. This number included BD6M4 a duplicate water sample of BD6M3 & BD6S5 a duplicate sediment sample of BD6S54. A rinsate blank (RB) was not needed due to the sampling was collect via direct filled and no equipment was used. Sample numbers BD6M3 is the MS/MSDs for Surface Water and BD6S4 is the MS/MSDs for Sediment samples during this sampling event. The total numbers of individual fishes collected is 84. These fish samples are awaiting a lab assignment. Until we receive a lab assignment these fishes will be secured and maintain frozen in the USEPA Laboratory in Edison, NJ.

On October 17, 2016, Robert Finke, Charren Cabaroy, James Kurtenbach, Robert Morrell and I traveled to the site and met with personnel at the treatment plant and sign-in. We then conducted a recon of the South Pond (GP) and the Herrick Hollow Creek (HC). We observed that there was flowing water and that there was a possibility of collect fish samples. After the recon we went back to the plant to sign-out but it was closed and we were not able to sign-out.

On October 18, 2016, met with Ronald Chiarello from O'Brien & Gere (OBG) at the Plant. The sign-in sheet was taped to the door of the plant. We all sign-in and tape the sign-in sheet back on to the door. Mr. Chiarello, from OBG was assigned to assist us during the event. We traveled to South Pond and while gearing up to collect samples, we met Representatives from NYDEP and the Site RPM (Pam Tames). Both the RPM and the NYDEP representative observed the sampling procedures. DEP requested that we collect additional fish samples for analysis. We stated we would try to collect additional fish samples with the understating that the creek was very low and the number of fish samples could be limited. At South Pond we collected 10 Creek

Chub and 14 Pumpkin Seed Sunfish. These fish samples were divided into the number of sample groups requested by DEP and the Duplicate Blind Sample as well as the MS/MSD sample requirement. We also, collected Sediment and Water samples from South Pond. After collecting and processing the fish samples we took a lunch break and at the time DEP representative departed. After lunch we returned to the site and collected Sediment and Water samples from the furthermost downstream point in Herrick Hollow Creek (HC). At is location we collected Creek Chubs and Brook Trouts. The size and number of the Trouts collect were small. The two largest Trout collected were 181 mm and 158 mm all others were under 150 mm in size. We collected a total of 9 Trouts ranging from 125 to 181. We also, collected Sediment and Water samples from HC6. Samples were process, secured and place immediately in the sample cooler with ice.

On October 19, 2016, we met with Ronald Chiarello at the Plant. Signed the sign-in sheet and then, went to sampling location HC5. At HC5 we collected 10 Creek Chub and after processing the fishes, we then went to sampling location HC4. At HC4 we collected 9 Creek Chub and after processing the fishes, we then went to sampling location HC3. At HC3 we collected 13 Creek Chub and after processing the fishes, we then went to the last sampling location HC2 on Herrick Hollow Creek. At HC2 we collected 10 Creek Chub these were also process. At all the Fish sample location we also collect Sediment and Water samples. After processing all the samples, they were secured and place immediately in the sample cooler with ice.

On October 20, 2016, met with Ronald Chiarello at the Plant. Signed the sign-in sheet and placed the sign-in sheet as requested in the plants mail box. Mr Chiarello then guided us to the two sample location TC1 and TC2. As we arrived at TC1 it started to rain hard. Due to the rain it was not safe to use the electro-fishing gear. By 10:00 AM, it was still raining hard and now it was thundering. The weather condition was not safe to sample and I made a safety call, ending the sampling event without collecting samples from TC1 and TC2. We packed up and departed the area, returning to Edison, NJ with all samples secured and on ice.

At Edison, we off-loaded the fish samples and place them is the EPA laboratory sample freezer. They will be there, secured and frozen until we are notify as to where to ship them. As for the Sediment and Water samples, these were pack in two cooler with ice and shipped to Shealy Environmental Services an EPA CLP laboratory for analysis. These samples were shipped overnight express via UPS and were received the next day.

On November 21, 2016, at Edison, NJ we received the dry ice needed to ship the frozen fish samples to the laboratories for analysis. The fish samples were taken from the EPA laboratory samples freezer and packed with dry ice in a two coolers, and secured for shipping. One cooler was shipped to NYSDEC Hale Creek Field Station with sample group# 2017-FS-HC1-GP-002-PS (CLP#BD6R1) for analysis. The other cooler was shipped to Shealy Environmental Services an EPA CLP laboratory with all the other fish samples for analysis. These samples were shipped overnight express via UPS and were received the next day.

3. Sample Descriptions:

SEDIMENT SAMPLES						
Sample Location	**Sample#**	**CLP#**	**DTG**	**Analysis[2]**	**Laboratory**	**Remarks**
South Pond HC1	2017-SED-HC1-SP1	BD6S4	10/18/16-1020	PCBs Aroclors	SHEALY	MS/MSD
South Pond HC1	2017-SEDSP2	BD6S5	10/18/16-1022	PCBs Aroclors	SHEALY	Dupl of BD6S4
HC2	2017-SED-HC2	BD6S6	10/19/16-1625	PCBs Aroclors	SHEALY	
HC3	2017-SED-HC3	BD6S7	10/19/16-1420	PCBs Aroclors	SHEALY	
HC4	2017-SED-HC4	BD6S8	10/19/16-1115	PCBs Aroclors	SHEALY	
HC5	2017-SED-HC5	BD6S9	10/19/16-0945	PCBs Aroclors	SHEALY	
HC6	2017-SED-HC6	BD6T0	10/18/16-1535	PCBs Aroclors	SHEALY	
SURFACE WATER SAMPLES						
Sample Location	**Sample#**	**CLP#**	**DTG**	**Analysis[2]**	**Laboratory**	**Remarks**
South Pond HC1	2017-WAT-HC1-SP1	BD6M3	10/18/16-1020	PCBs Aroclors	SHEALY	MS/MSD
South Pond HC1	2017-WAT-SP2	BD6M4	10/18/16-1022	PCBs Aroclors	SHEALY	Dupl of BD6M3
HC2	2017-WAT-HC2	BD6M5	10/19/16-1610	PCBs Aroclors	SHEALY	
HC3	2017-WAT-HC3	BD6M6	10/19/16-1420	PCBs Aroclors	SHEALY	
HC4	2017-WAT-HC4	BD6M7	10/19/16-1100	PCBs Aroclors	SHEALY	
HC5	2017-WAT-HC5	BD6M8	10/19/16-0930	PCBs Aroclors	SHEALY	
HC6	2017-WAT-HC6	BD6M9	10/18/16-1535	PCBs Aroclors	SHEALY	
FISH SAMPLES (Creek Chub)						**Length(mm)/Weight(g)**
Sample Location	**Sample#**	**CLP#**	**DTG**	**Analysis[2]**	**Laboratory**	**Remarks**
South Pond HC1	2017-FS-HC1-GP-001-SEC-1-CC	BD6N0	10/18/16-1020	PCBs Aroclors	SHEALY	123/22
South Pond HC1	2017-FS-HC1-GP-002-SEC-1-CC	BD6N1	10/18/16-1022	PCBs Aroclors	SHEALY	127/22
South Pond HC1	2017-FS-HC1-GP-003-SEC-1-CC	BD6N2	10/19/16-1610	PCBs Aroclors	SHEALY	121/20
South Pond HC1	2017-FS-HC1-GP-004-SEC-1-CC	BD6N3	10/19/16-1420	PCBs Aroclors	SHEALY	113/16
South Pond HC1	2017-FS-HC1-GP-005-SEC-1-CC	BD6N4	10/19/16-1100	PCBs Aroclors	SHEALY	76/6
	2017-FS-HC1-GP-005-SEC-2-CC		10/19/16-0930	PCBs Aroclors	SHEALY	75/6
	2017-FS-HC1-GP-005-SEC-3-CC		10/18/16-1020	PCBs Aroclors	SHEALY	66/4
	2017-FS-HC1-GP-005-SEC-4-CC		10/18/16-1022	PCBs Aroclors	SHEALY	66/4
	2017-FS-HC1-GP-005-SEC-5-CC		10/19/16-1610	PCBs Aroclors	SHEALY	70/4
HC2	2017-FS-HC2-GP-001-SEC-1-CC	BD6N5	10/19/16-1100	PCBs Aroclors	SHEALY	122/21
HC2	2017-FS-HC2-GP-002-SEC-1-CC	BD6N6	10/19/16-0930	PCBs Aroclors	SHEALY	117/16
	2017-FS-HC2-GP-002-SEC-2-CC		10/18/16-1535	PCBs Aroclors	SHEALY	126/22

HC2	2017-FS-HC2-GP-003-SEC-1-CC	BD6N7	10/18/16-1535	PCBs Aroclors	SHEALY	116/16
	2017-FS-HC2-GP-003-SEC-2-CC		10/19/16-1100	PCBs Aroclors	SHEALY	112/16
HC2	2017-FS-HC2-GP-004-SEC-1-CC	BD6N8	10/19/16-0930	PCBs Aroclors	SHEALY	117/18
	2017-FS-HC2-GP-004-SEC-2-CC		10/18/16-1535	PCBs Aroclors	SHEALY	105/12
HC2	2017-FS-HC2-GP-005-SEC-1-CC	BD6N9	10/18/16-1535	PCBs Aroclors	SHEALY	100/13
	2017-FS-HC2-GP-005-SEC-2-CC		10/18/16-1535	PCBs Aroclors	SHEALY	76/9
	2017-FS-HC2-GP-005-SEC-3-CC		10/19/16-1100	PCBs Aroclors	SHEALY	80/6
HC3	2017-FS-HC3-GP-001-SEC-1-CC	BD6P0	10/19/16-0930	PCBs Aroclors	SHEALY	129/18
	2017-FS-HC3-GP-001-SEC-2-CC		10/18/16-1535	PCBs Aroclors	SHEALY	109/11
HC3	2017-FS-HC3-GP-002-SEC-1-CC	BD6P1	10/18/16-1535	PCBs Aroclors	SHEALY	120/18
	2017-FS-HC3-GP-002-SEC-2-CC		10/19/16-1100	PCBs Aroclors	SHEALY	120/20
HC3	2017-FS-HC3-GP-003-SEC-1-CC	BD6P2	10/19/16-0930	PCBs Aroclors	SHEALY	113/14
	2017-FS-HC3-GP-003-SEC-2-CC		10/18/16-1535	PCBs Aroclors	SHEALY	100/12
HC3	2017-FS-HC3-GP-004-SEC-1-CC	BD6P3	10/18/16-1535	PCBs Aroclors	SHEALY	111/14
	2017-FS-HC3-GP-004-SEC-2-CC		10/18/16-1535	PCBs Aroclors	SHEALY	99/11
HC3	2017-FS-HC3-GP-005-SEC-1-CC	BD6P4	10/18/16-1535	PCBs Aroclors	SHEALY	83/7
	2017-FS-HC3-GP-005-SEC-2-CC		10/19/16-0930	PCBs Aroclors	SHEALY	74/5
	2017-FS-HC3-GP-005-SEC-3-CC		10/18/16-1535	PCBs Aroclors	SHEALY	77/5
	2017-FS-HC3-GP-005-SEC-4-CC		10/18/16-1535	PCBs Aroclors	SHEALY	66/4
	2017-FS-HC3-GP-005-SEC-5-CC		10/19/16-1100	PCBs Aroclors	SHEALY	59/3
HC4	2017-FS-HC4-GP-001-SEC-1-CC	BD6P5	10/19/16-0930	PCBs Aroclors	SHEALY	133/22
HC4	2017-FS-HC4-GP-002-SEC-1-CC	BD6P6	10/18/16-1535	PCBs Aroclors	SHEALY	105/11
	2017-FS-HC4-GP-002-SEC-2-CC		10/18/16-1535	PCBs Aroclors	SHEALY	123/19
HC4	2017-FS-HC4-GP-003-SEC-1-CC	BD6P7	10/18/16-1535	PCBs Aroclors	SHEALY	125/20
	2017-FS-HC4-GP-003-SEC-2-CC		10/18/16-1535	PCBs Aroclors	SHEALY	106/12
HC4	2017-FS-HC4-GP-004-SEC-1-CC	BD6P8	10/19/16-0930	PCBs Aroclors	SHEALY	117/15
	2017-FS-HC4-GP-004-SEC-2-CC		10/18/16-1535	PCBs Aroclors	SHEALY	112/14
HC4	2017-FS-HC4-GP-	BD6P9	10/18/16-1535	PCBs Aroclors	SHEALY	111/11

	005-SEC-1-CC					
	2017-FS-HC4-GP-005-SEC-2-CC		10/18/16-1535	PCBs Aroclors	SHEALY	110/13
HC5	2017-FM-HC5-GP-001-SEC-1-CC	BD6Q0	10/18/16-1535	PCBs Aroclors	SHEALY	134/20 MS/MSD
	2017-FM-HC5-GP-001-SEC-2-CC		10/18/16-1535	PCBs Aroclors	SHEALY	137/24
	2017-FM-HC5-GP-002-SEC-1-CC		10/18/16-1535	PCBs Aroclors	SHEALY	136/23
HC5	2017-FS-HC5-GP-003-SEC-1-CC	BD6Q2	10/18/16-1535	PCBs Aroclors	SHEALY	120/17
	2017-FS-HC5-GP-003-SEC-2-CC		10/18/16-1535	PCBs Aroclors	SHEALY	108/13
HC5	2017-FS-HC5-GP-004-SEC-1-CC	BD6Q3	10/18/16-1535	PCBs Aroclors	SHEALY	114/14
	2017-FS-HC5-GP-004-SEC-2-CC		10/18/16-1535	PCBs Aroclors	SHEALY	94/9
HC5	2017-FS-HC5-GP-005-SEC-1-CC	BD6Q4	10/18/16-1535	PCBs Aroclors	SHEALY	95/9
	2017-FS-HC5-GP-005-SEC-2-CC		10/18/16-1535	PCBs Aroclors	SHEALY	88/7
	2017-FS-HC5-GP-005-SEC-3-CC		10/18/16-1535	PCBs Aroclors	SHEALY	89/7
HC6	2017-FS-HC6-GP-001-SEC-1-CC	BD6Q5	10/18/16-1535	PCBs Aroclors	SHEALY	157/38
HC6	2017-FS-HC6-GP-002-SEC-1-CC	BD6Q6	10/18/16-1535	PCBs Aroclors	SHEALY	120/18
	2017-FS-HC6-GP-002-SEC-2-CC		10/18/16-1535	PCBs Aroclors	SHEALY	107/14
HC6	2017-FS-HC6-GP-003-SEC-1-CC	BD6Q7	10/18/16-1535	PCBs Aroclors	SHEALY	119/16
	2017-FS-HC6-GP-003-SEC-2-CC		10/18/16-1535	PCBs Aroclors	SHEALY	105/12
HC6	2017-FD-HC6-GP-004-SEC-1-CC	BD6Q8/ BD6S0	10/18/16-1535	PCBs Aroclors	SHEALY	141/28 DUPLICATE
	2017-FD-HC6-GP-004-SEC-2-CC		10/18/16-1535	PCBs Aroclors	SHEALY	113/16
HC6	2017-FS-HC6-GP-005-SEC-1-CC	BD6Q9	10/18/16-1535	PCBs Aroclors	SHEALY	120/18
	2017-FS-HC6-GP-005-SEC-2-CC		10/18/16-1535	PCBs Aroclors	SHEALY	116/16

FISH SAMPLES (Pumpkin Seed)						
Sample Location	**Sample#**	**CLP#**	**DTG**	**Analysis[2]**	**Laboratory**	**Remarks**
South Pond HC1	2017-FM-HC1-GP-001-SEC-1-PS	BD6R0	10/19/16-1420	PCBs Aroclors	SHEALY	132/46 MS/MSD
	2017-FM-HC1-GP-001-SEC-2-PS		10/19/16-1100	PCBs Aroclors	SHEALY	125/38
	2017-FM-HC1-GP-001-SEC-3-PS		10/19/16-0930	PCBs Aroclors	SHEALY	114/26
	2017-FM-HC1-GP-001-SEC-4-PS		10/18/16-1535	PCBs Aroclors	SHEALY	103/18
	2017-FM-HC1-GP-001-SEC-5-PS		10/18/16-1020	PCBs Aroclors	SHEALY	117/32
South Pond HC1	2017-FS-HC1-GP-002-SEC-1-PS	BD6R1	10/18/16-1022	PCBs Aroclors	SHEALY	117/28 SHIPPED TO NYSDEC
	2017-FS-HC1-GP-002-SEC-2-PS		10/19/16-1610	PCBs Aroclors	SHEALY	91/14
	2017-FS-HC1-GP-002-SEC-3-PS		10/19/16-1420	PCBs Aroclors	SHEALY	110/26
	2017-FS-HC1-GP-002-SEC-4-PS		10/19/16-1100	PCBs Aroclors	SHEALY	83/12
	2017-FS-HC1-GP-002-SEC-5-PS		10/19/16-1100	PCBs Aroclors	SHEALY	82/10
	2017-FD-HC1-GP-003-SEC-1-PS	BD6R2/ BD6S1	10/19/16-0930	PCBs Aroclors	SHEALY	90/14 DUPLICATE
	2017-FD-HC1-GP-003-SEC-2-PS		10/18/16-1020	PCBs Aroclors	SHEALY	98/18
	2017-FD-HC1-GP-003-SEC-3-PS		10/18/16-1022	PCBs Aroclors	SHEALY	90/12
	2017-FD-HC1-GP-003-SEC-4-PS		10/19/16-1610	PCBs Aroclors	SHEALY	80/10
	2017-FD-HC1-GP-003-SEC-5-PS		10/19/16-1420	PCBs Aroclors	SHEALY	78/8
FISH SAMPLES (Brook Trout)						
Sample Location	**Sample#**	**CLP#**	**DTG**	**Analysis[2]**	**Laboratory**	**Remarks**
HC6	2017-PS-HC6-GP-001-SEC-1-BT	BD6R3	10/18/16-1535	PCBs Aroclors	SHEALY	181/54 MS/MSD
HC6	2017-PS-HC6-GP-001-SEC-2-BT	BD6R6	10/18/16-1535	PCBs Aroclors	SHEALY	158/40
HC6	2017-PS-HC6-GP-001-SEC-3-BT	BD6R7	10/18/16-1535	PCBs Aroclors	SHEALY	148/30
HC6	2017-PS-HC6-GP-002-SEC-1-BT	BD6R4	10/18/16-1535	PCBs Aroclors	SHEALY	139/30
HC6	2017-PS-HC6-GP-002-SEC-2-BT	BD6R8	10/18/16-1535	PCBs Aroclors	SHEALY	137/28
HC6	2017-PS-HC6-GP-002-SEC-3-BT	BD6R9	10/18/16-1535	PCBs Aroclors	SHEALY	125/26
HC6	2017-PS-HC6-GP-003-SEC-1-BT	BD6R5/ BD6S2	10/18/16-1535	PCBs Aroclors	SHEALY	134/24 DUPLICATE
	2017-PS-HC6-GP-003-SEC-2-BT		10/18/16-1535	PCBs Aroclors	SHEALY	129/20
	2017-PS-HC6-GP-003-SEC-3-BT		10/18/16-1535	PCBs Aroclors	SHEALY	126/20
Notes						
Sample# descriptions is as follows: (2017= year) - (FS= forage species, PS= predator species, FD=duplicate, FM=MS/MSD) – (HC1,2,3,4,5,6= Station locations) – (GP-001,2,3,4, or 5= sample groups) – (SEC-1,2,3,4,or 5= individual fish within a group) – (CC= creek chub, PS = pumpkin seed, & BT= brook trout)						
Station locations TC1 & TC2 were not sampled due to unsafe weather conditions						

4. Sampling Personnel:

Name	Organization	Site Duties
Michael A. Mercado	USEPA Region II DESA/HWSB	Project Manager/Sample Management
James Kurtenbach	USEPA Region II DESA/MAB	Aquatic Biologist
Robert Finke	USEPA Region II DESA/HWSB	Field Personnel
Robert Morrell	USEPA Region II DESA/MAB	Field Personnel
Charren Cabaroy	USEPA Region II DESA/HWSB	Field Personnel
Amelia Jackson	USEPA Region II DESA/HWSB	Quality Assurance Officer

5. Additional Comments:

Fish samples collected were:

A total of 9 Brook Trouts, 15 Pumpkin Seed Sunfish, and 60 Creek Chubs collected from South Pond and Herrick Hollow Creek.

Each individual fish was labeled by placing a sample identification tag in a plastic bag with the fish and are currently in the EPA DESA Laboratory being kept frozen until a Laboratory was identified to do the analysis.

Sediment samples collected were:

A total of 7 Sediment were collect from South Pond and Herrick Hollow Creek.

Surface Water samples collected were:

A total of 7 Surface Water samples were collect from South Pond and Herrick Hollow Creek.

Report Prepared By: Michael A. Mercado Date November 30, 2016