



Connecticut DEP

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Session Lockout Timer: 29:34

Signing Process Confirmation - CDX Activity ID: _1998e98e-35c6-48cc-abf2-35f700dc28af

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Permit ID	Facility	Permitted Feature	Discharge #	Discharge Description	Monitoring Period End Date	DMR Due Date	View Copy of Submission
CT10101745	DEEP RIVER WPCF	001	001-1	SANITARY SEWAGE	05/31/19	06/15/19	View Copy of Submission

Town of Deep River WPCA MOR

Date	Daily Flow			Aeration Tank 1			Aeration Tank 2			pH		Temp		Settable		Turbidity		Waste		UV		Fecal		D.O.		BOD (5 Day)			S
	Max	Min	Total	MLSS	SVI	High D.O.	Low D.O.	MLSS	SVI	High D.O.	Low D.O.	Influent	Effluent	Influent	Effluent	ML/L	NTU	Time	Transmit	Coliform	Enterococci	Effluent	D.O.	INF.	EFF.	% Removed	INF.		
	MG/D					MG/L					MG/L		S.U.	FAHRENHEIT			mins	%	#/100 ML	#/100 ML	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	%	MG	
Testing		Daily								Work Day									Daily	Weekly	Weekly	Daily				Weekly			
1	0.36432	0.07776	0.201	1400	310	2.7	2.4	1328	300	4.6	4.2	6.6	6.9	56	58	0	0.9	28	95			7.1							
2	0.3528	0.08496	0.199	1364	240	2.7	2.6	992	200	3.1	3	6.7	7	56	57	0	0.7	20	96			7.2							
3	0.37872	0.06192	0.198	1140	200	3.4	2.7	900	180	3.2	3	7	7	56	58	0	0.9	12	95			7							
4	0.36864	0.0648	0.193																										
5	0.34992	0.06336	0.205																										
6	0.37872	0.0316	0.204	1568	280	2.9	2.7	1316	200	4	3.7	6.7	7	56	58	0	1.3	0	95			7.8							
7	0.36864	0.08496	0.206	1672	280	3.7	3.4	1544	210	3.3	3.1	6.6	7	56	57	0	1.1	0	96	2	20	7.4		137	2	98.54014599	212		
8	0.35568	0.07488	0.2	1976	320	3.4	3	1484	240	3.5	3.3	6.4	7	56	58	0	1.9	6	96			7							
9	0.36144	0.07344	0.198	1874	320	3.1	2.7	1536	260	3	2.9	6.6	6.9	56	58	0	0.9	0	96			7.6							
10	0.3528	0.04608	0.194	1960	360	3.5	3.4	1884	280	3.6	3.2	6.7	7	56	58	0	1.4	6	96			7.1							
11	0.3024	0.02592	0.187																										
12	0.37228	0.07344	0.198																										
13	0.36288	0.07056	0.192	852	280	3.9	3.4	1036	240	5.3	3.7	6.9	7	56	56	0	1	0	96			7.1							
14	0.3888	0.10512	0.161	1108	360	3.5	3.4	620	260	3.6	3.1	6.7	6.9	56	56	0	0.6	0	95	<2	<10	7		131	2	98.47328244	182		
15	0.39024	0.05472	0.187	1520	340	3.6	2.9	1520	260	3.8	3.4	6.4	7	56	58	0	1.2	0	95			6.8							
16	0.34704	0.0576	0.201	1656	360	3.9	3.9	1388	200	3.6	3.5	6.9	7	56	58	0	1.4	6	96			7.3							
17	0.36	0.07056	0.192	1076	320	4.6	3.9	1760	200	4.1	3.9	6.5	7	56	56	0	1.5	6	96			7							
18	0.32832	0.06624	0.185																										
19	0.34416	0.06768	0.187																										
20	0.34128	0.04176	0.158	1984	240	2.2	1.8	2748	500	4	3.6	6.6	7	59	62	0	1.3	6	95			7							
21	0.2736	0.0576	0.17	2628	550	1.5	1.3	764	260	4.3	3	6.8	7.3	58	62	0	1	6	96	<2	10	7.5		305	5.3	98.26279508	156		
22	0.28568	0.05472	0.169	2636	550	1.8	1.5	1872	300	2.9	2	7.2	7	59	62	0	0.9	30	96			7							
23	0.288	0.0432	0.152	2208	400	6.1	5	1768	290	3.8	3.5	6.7	6.9	63	62	0	0.7	15	96			7							
24	0.29376	0.0144	0.159	1608	350	3.7	2.9	1864	220	2.6	2	7	6.9	63	64	0	1	20	95			6.5							
25	0.23616	0.03168	0.144																										
26	0.21566	0.0432	0.144																										
27	0.33264	0.03168	0.159																										
28	0.3528	0.02592	0.153	1688	440	4.8	4	1104	180	2	1.6	7.3	6.6	61	64	0	0.4	30	95			7		133	2	98.4962406	70		
29	0.34722	0.02448	0.163	1448	240	2.6	1.9	1588	240	1.9	1.8	6.5	6.8	59	64	0	0.9	7	96			7							
30	0.30816	0.02016	0.163	1164	240	3	2.7	1432	230	1.9	1.6	6.4	7	60	63	0	0.8	4	96	<2	<10	7							
31	0.30096	0.02592	0.171	1016	250	2.8	2.6	984	200	2.2	1.9	6.9	7.1	60	63	0	0.6	0	96			7.1							

Date 5/1/19 Day Wednesday Time 630 Temp 48°
 Precipitation .50 Weather overcast

LAB

Thickened Sludge 6 / 0 W.A.S. 14 / 14

Ops Building

Heating Fuel 2120 Gallons Generator Hours 941 Block Heater ✓
 Oil and Coolant ✓ Battery Condition ✓ Run For Hour no
 Run Trailer Mounted Generators no Boiler Temp Boiler off Boiler Pressure 0

Lower Pump Station

Pumped Flow 13797940 Parshall Flume 17431060
 Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2.9 Temp 68°
 Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 201270 Max 253 Min 54 Avg 144

SBR Building

UV Operation 96 % Pump Number 112 Clean Water Screens ✓
 Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed High
 Standby 3 W.A.S Blowers 4 Speed high 1 low @ 735
 Waste Cycle 301 16 min Waster Cycle 302 12 min

Lab Work

Sampler Initials JE Analyst Initials JE
 Compositor Date and Time On _____ Compositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent	7:10	7:20	56°	6.6	1.0	1.4	10	XXXX	200
301	9:20	9:25	58°	6.7	2.4	2.7	310	XXXX	210
302	730	735	58°	7.0	4.2	4.6	300	XXXX	190
Effluent	7:05	7:15	58°	6.9	7.0	7.1	0	1.9	170

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4377	0.4727	1400		
302	25	0.4361	0.4693	1328		
Effluent	1000	0.	0.			

Date 5/2/19 Day Thursday Time 630 Temp 48
Precipitation .75 Weather nice

LAB

Thickened Sludge 8 / 0 W.A.S. 12 / 12

Ops Building

Heating Fuel 4000 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour 20

Run Trailer Mounted Generators 10 Boiler Temp 168 Boiler Pressure 14

Lower Pump Station

Pumped Flow 13832190 Parshall Flume 17755610

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2.9 Temp 68°

Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 199630 Max 245 Min 59 Avg 139

SBR Building

UV Operation 96 % Pump Number 1+2 Clean Water Screens Cleaned

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed low

Standby 3 W.A.S Blowers 4 Speed high

Waste Cycle 301 10 min Waster Cycle 302 10 min

Lab Work

Sampler Initials JE Analyst Initials JE

Compositor Date and Time On _____ Compositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent	7:00	7:10	56°	6.7	1.3	1.9	24	XXXX	190
301	9:30	9:35	58°	6.7	2.6	2.7	240	XXXX	210
302	7:30	7:35	58°	7.0	3.0	3.1	200	XXXX	200
Effluent	7:05	7:15	57°	7.0	7.1	7.2	0	.7	180

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.43836	0.4677	1364		
302	25	0.4322	0.4570	992		
Effluent	1000	0.	0.			

Date 5/3/19 Day Friday Time 630 Temp 49°
 Precipitation 0 Weather Nice

LAB

Thickened Sludge 9 / 0 W.A.S 8 / 8

Ops Building

Heating Fuel 3990 Gallons Generator Hours 941 Block Heater ✓
 Oil and Coolant ✓ Battery Condition ✓ Run For Hour no

Run Trailer Mounted Generators no Boiler Temp 168 Boiler Pressure 14

Lower Pump Station

Pumped Flow 13858208 Parshall Flume 17943510
 Lead 3 Lag 2 2nd Lag 1 Wet Well Level 3.4 Temp 68°
 Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 197730 Max 263 Min 43 Avg 137

SBR Building

UV Operation 95 % Pump Number 142 Clean Water Screens cleaned

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed low

Standby 3 W.A.S Blowers 4 Speed high

Waste Cycle 301 6 min Waster Cycle 302 6 min

Lab Work

Sampler Initials JE Analyst Initials JE

Compositor Date and Time On _____ Compositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent	640	6:50	56°	7.0	1.3	1.9	24	XXXX	210
301	930	935	58°	6.8	2.7	3.4	200	XXXX	190
302	7:30	7:35	58°	6.9	3.0	3.2	180	XXXX	190
Effluent	6:45	6:55	58°	7.0	6.8	7.0	0	-9	170

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4307	0.4592	1140		
302	25	0.4333	0.4558	900		
Effluent	1000	0.	0.			

Date 5/4/19 Day Sat Time 730 Temp _____
Precipitation _____ Weather _____

LAB

Thickened Sludge 910 W.A.S. 717

Ops Building

Heating Fuel 3810 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour 75

Run Trailer Mounted Generators 70 Boiler Temp 164 Boiler Pressure 10

Lower Pump Station

Pumped Flow 13886655 Parshall Flume 18153680

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 3.0 Temp 68°

Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 193180 Max 256 Min 45 Avg 134

SBR Building

UV Operation 96 % Pump Number 142 Clean Water Screens ✓

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed low

Standby 3 W.A.S Blowers 4 Speed high

Waste Cycle 301 0 min Waster Cycle 302 0 min

Lab Work

Sampler Initials _____ Analyst Initials _____

Compositor Date and Time On _____ Cdmpositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent								XXXX	
301								XXXX	
302								XXXX	
Effluent									

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.	0.			
302	25	0.	0.			
Effluent	1000	0.	0.			

Date 5/5/19 Day Sunday Time 730 Temp 40°
Precipitation .75 Weather Rain

LAB

Thickened Sludge 9 / 1 / 0 W.A.S. 8 / 1 / 8

Ops Building

Heating Fuel 3460 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour no

Run Trailer Mounted Generators no Boiler Temp 166 Boiler Pressure 10

Lower Pump Station

Pumped Flow 13907309 Parshall Flume 18348850

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 3.3 Temp 69°

Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 204630 Max 243 Min 47 Avg 142

SBR Building

UV Operation 96 % Pump Number 1+2 Clean Water Screens ✓

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed low

Standby 3 W.A.S Blowers 4 Speed high

Waste Cycle 301 0 min Waster Cycle 302 0 min

Lab Work

Sampler Initials JC Analyst Initials JC

Compositor Date and Time On _____ Cdmpositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent								XXXX	
301								XXXX	
302								XXXX	
Effluent									

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.	0.			
302	25	0.	0.			
Effluent	1000	0.	0.			

Date 5/6/19 Day Monday Time 630 Temp 48°
Precipitation 0.75 Weather Clear!!!

LAB

Thickened Sludge 9/0 W.A.S. 8/8

Ops Building

Heating Fuel 3320 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour no

Run Trailer Mounted Generators no Boiler Temp 164 Boiler Pressure 10

Lower Pump Station

Pumped Flow 13928796 Parshall Flume 18561310

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2.6 Temp 68°

Heat n Grinder ✓ Hydraulic Level ✓

Gallons 204470 Max 263 Min 25 Avg 142

SBR Building

UV Operation 95 % Pump Number 1+2 Clean Water Screens ✓

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed High

Standby 3 W.A.S Blowers 4 Speed high

Waste Cycle 301 0 min Waster Cycle 302 0 min

Lab Work

Sampler Initials _____ Analyst Initials _____

Compositor Date and Time On 5/6/19 @ 630 Compositor Date and Time Off 5/7/19 @ 700

Sample	Collected	Analyzed	Temp	pH	DOL	DO H	Settle	Turb	TDS
Influent	7:05	7:15	56°	6.7	1.3	1.5	24	XXXX	180
301	930	935	58°	6.9	2.7	2.9	280	XXXX	190
302	730	735	58°	7.0	3.7	4.0	200	XXXX	170
Effluent	7:00	7:10	58°	7.0	7.1	7.8	0	1.3	200

Sample	M/L	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4391	0.4783	1568		
302	25	0.4397	0.4726	1316		
Effluent	1000	0.	0.			

Date 5/7/19 Day Tuesday Time 6:15 Temp 46°
 Precipitation 0 Weather Sun?

LAB

Thickened Sludge 10 / 0 W.A.S. 8 / 8

Ops Building

Heating Fuel 3210 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour no

Run Traller Mounted Generators no Boiler Temp 164 Boiler Pressure 14

Lower Pump Station

Pumped Flow 13955430 Parshall Flume 18767850

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2.6 Temp 68°

Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 206120 Max 256 Min 59 Avg 147

SBR Building

UV Operation 96 % Pump Number 142 Clean Water Screens Ted

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed high

Standby 3 W.A.S Blowers 4 Speed High

Waste Cycle 301 0 min Waster Cycle 302 0 min

Lab Work

Sampler Initials JE Analyst Initials JE

Compositor Date and Time On _____ Cdmpositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent	6:15	6:25	56°	6.6	.4	.9	10	XXXX	190
301	5:30	5:35	58°	6.7 6.7	3.4	3.7	280	XXXX	186
302	7:20	7:35	58°	6.9	3.1	3.3	210	XXXX	190
Effluent	6:10	6:20	85.7°	7.0	7.1	7.4	0	1.1	170

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.04321	0.4739	1672		
302	25	0.04336	0.4722	1544		
Effluent	1000	0.	0.			

Date 5/8/19 Day Wednesday Time 6:15 Temp 48°
 Precipitation 125 Weather nice

LAB

Thickened Sludge 10/0 W.A.S. 9/9

Ops Building

Heating Fuel 3260 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour no

Run Traller Mounted Generators no Boiler Temp 164 Boiler Pressure 8

Lower Pump Station

Pumped Flow 13982175 Parshall Flume 18967190

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2.6 Temp 68

Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 200450 Max 247 Min 52 Avg 139

SBR Building

UV Operation 96 % Pump Number 152 Clean Water Screens red

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed high

Standby 3 W.A.S Blowers 4 Speed high

Waste Cycle 301 3 min Waster Cycle 302 3 min

Lab Work

Sampler Initials JE Analyst Initials JE

Compositor Date and Time On _____ Cdmpositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent	6:00	6:10	56°	6.4	2.2	4.4	10	XXXX	260
301	9:30	9:35	58°	6.9	3.0	3.4	320	XXXX	200
302	7:20	7:25	58°	6.7	3.3	3.5	240	XXXX	170
Effluent	6:05	6:15	58°	7.0	6.7	7.0	0	1.9	180

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0. 2302	0. 4796	1976		
302	25	0. 4338	0. 4709	1484		
Effluent	1000	0.	0.			

Date 5/9/19 Day Thursday Time 6:15 Temp 46°
 Precipitation 0.11 Weather nice

LAB

Thickened Sludge 9 / 10 W.A.S. 9 / 9

Ops Building

Heating Fuel 3210 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour no

Run Trailer Mounted Generators ✓ Boiler Temp 164 Boiler Pressure 10

Lower Pump Station

Pumped Flow 14006417 Parshall Flume 19162170

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 3.0 Temp 68°

Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 198140 Max 251 Min 51 Avg 138

SBR Building

UV Operation 96 % Pump Number 142 Clean Water Screens Ted

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed High

Standby 3 W.A.S Blowers 4 Speed High

Waste Cycle 301 0 min Waster Cycle 302 0 min

Lab Work

Sampler Initials JC Analyst Initials JC

Compositor Date and Time On _____ Cdmpositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent	6:15	6:25	56°	6.6	.3	.9	10	XXXX	200
301	9:20	9:25	58°	6.9	2.7	3.1	320	XXXX	800
302	7:20	7:30	68°	6.7	2.9	3.0	260	XXXX	170
Effluent	6:20	6:30	58°	6.9	7.0	7.6	0	.9	190

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4331	0.4787	1824		
302	25	0.4326	0.4710	1536		
Effluent	1000	0.	0.			

Date 5/10/19 Day Friday Time 630 Temp 50°
Precipitation 0 Weather nice

LAB

Thickened Sludge 8/0 W.A.S. 7/7

Ops Building

Heating Fuel 3080 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour 00

Run Traller Mounted Generators no Boiler Temp 164 Boiler Pressure 10

Lower Pump Station

Pumped Flow 14031848 Parshall Flume 19356850

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 3.1 Temp 68°

Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 194150 Max 245 Min 32 Avg 135

SBR Building

UV Operation 96 % Pump Number 142 Clean Water Screens Tcd

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed high

Standby 3 W.A.S Blowers 4 Speed high

Waste Cycle 301 3 min Waster Cycle 302 3 min

Lab Work

Sampler Initials JE Analyst Initials JE

Compositor Date and Time On _____ Cdmpositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent	6:55	7:05	56	6.7	1.3	1.7	14	XXXX	210
301	9:20	9:25	58°	7.0	3.4	3.5	360	XXXX	
302	7:10	7:15	58°	6.9	3.2	3.6	280	XXXX	200
Effluent	6:50	7:00	58°	7.0	7.0	7.1	0	1.4	190

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4302	0.4792	1960		
302	25	0.4109	0.4580	1884		
Effluent	1000	0.	0.			

Date 5 / 11 / 19 Day Saturday Time 9:45 Temp _____
Precipitation _____ Weather _____

LAB

Thickened Sludge _____ / _____ W.A.S. _____ / _____

Ops Building

Heating Fuel _____ Gallons Generator Hours _____ Block Heater _____

Oil and Coolant _____ Battery Condition _____ Run For Hour _____

Run Traller Mounted Generators _____ Boiler Temp _____ Boiler Pressure _____

Lower Pump Station

Pumped Flow _____ Parshall Flume _____

Lead _____ Lag _____ 2nd Lag _____ Wet Well Level _____ Temp _____

Heat _____ Grinder _____ Hydraulic Level _____

Gallons 187390 Max 210 Min 18 Avg 130

SBR Building

UV Operation 96 % Pump Number 1fa Clean Water Screens Te d

Air Valves _____ Slide Gates _____ SBR Blowers _____ Speed _____

Standby _____ W.A.S Blowers _____ Speed _____

Waste Cycle 301 _____ min Waster Cycle 302 _____ min

Lab Work

Sampler Initials _____ Analyst Initials _____

Compositor Date and Time On _____ Cdmpositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent								XXXX	
301								XXXX	
302								XXXX	
Effluent									

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.	0.			
302	25	0.	0.			
Effluent	1000	0.	0.			

Date 5/12/19 Day Sunday Time 9:00 Temp _____
Precipitation _____ Weather _____

LAB

Thickened Sludge _____ W.A.S. _____

Ops Building

Heating Fuel _____ Gallons Generator Hours _____ Block Heater _____

Oil and Coolant _____ Battery Condition _____ Run For Hour _____

Run Traller Mounted Generators _____ Boiler Temp _____ Boiler Pressure _____

Lower Pump Station

Pumped Flow _____ Parshall Flume _____

Lead _____ Lag _____ 2nd Lag _____ Wet Well Level _____ Temp _____

Heat _____ Grinder _____ Hydraulic Level _____

Gallons 198460 Max 262 Min 51 Avg 138

SBR Building

UV Operation 95 % Pump Number 112 Clean Water Screens ☒

Air Valves _____ Slide Gates _____ SBR Blowers _____ Speed _____

Standby _____ W.A.S Blowers _____ Speed _____

Waste Cycle 301 _____ min Waster Cycle 302 _____ min

Lab Work

Sampler Initials _____ Analyst Initials _____

Compositor Date and Time On _____ Cdmpositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent								XXXX	
301								XXXX	
302								XXXX	
Effluent									

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.	0.			
302	25	0.	0.			
Effluent	1000	0.	0.			

Date 5/13/19 Day Monday Time 630 Temp 46°
Precipitation 1.25 Weather cool

LAB

Thickened Sludge 9 / 0 WAS 7 / 7

Ops Building

Heating Fuel 941 Gallons Generator Hours 2810 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour 20

Run Trailer Mounted Generators no Boiler Temp 164 Boiler Pressure 10

Lower Pump Station

Pumped Flow 14094370 Parshall Flume 60 (program full restarted)

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2.8 Temp 68°

Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 191260 Max 252 Min 49 Avg 132

SBR Building

UV Operation 96 % Pump Number 1+2 Clean Water Screens ✓

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed High

Standby 3 W.A.S Blowers 4 Speed high

Waste Cycle 301 0 min Waster Cycle 302 0 min

Lab Work

Sampler Initials JC Analyst Initials JC

Compositor Date and Time On _____ Compositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent	7:00	7:10	56°	6.9	2.4	1.7	10	XXXX	220
301	9:20	9:30	58°	6.9	3.4	3.9	280	XXXX	
302	7:30	7:35	57°	6.9	3.7	5.3	240	XXXX	190
Effluent	7:05	7:15	56°	7.0	6.9	7.1	0	1.0	200

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4297	0.4510	852		
302	25	0.4329	0.4588	1036		
Effluent	1000	0.	0.			

Date 5/14/19 Day Tuesday Time 630 Temp 38°
Precipitation .75 Weather Cold

LAB

Thickened Sludge 11 / 0 W.A.S. 8 / 8

Ops Building

Heating Fuel 3240 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour no

Run Trailer Mounted Generators no Boiler Temp off Boiler Pressure 0

Lower Pump Station

Pumped Flow 14122236 Parshall Flume 208760 *called Perry to find out about oil pump.*

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2.6 Temp 68°

Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 161330 Max 270 Min 73 Avg 156

SBR Building

UV Operation 95 % Pump Number 42 Clean Water Screens Ted

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed High

Standby 3 W.A.S Blowers 4 Speed high

Waste Cycle 301 0 min Waster Cycle 302 0 min

Lab Work

Sampler Initials JC Analyst Initials JC

Compositor Date and Time On 5/13 @ 745 Compositor Date and Time Off 5/14 @ 8:40

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent	7:00	7:10	56°	6.7	.4	.5	10	XXXX	190
301	930	935	57°	6.8	3.4	3.5	360	XXXX	190
302	720	725	57°	6.9	3.1	3.6	260	XXXX	180
Effluent	7:05	7:15	56°	6.9	6.5	7.0	0	.6	170

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4122	0.4399	1108		
302	25	0.4097	0.4252	620		
Effluent	1000	0.	0.			

Date 5/15/19 Day Wednesday Time 630 Temp 44°
 Precipitation .25 Weather nic

LAB

Thickened Sludge 12 / 1 W.A.S. 11 / 11

Ops Building

Heating Fuel 2810 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour no

Run Trailer Mounted Generators no Boiler Temp 169 Boiler Pressure 14

Lower Pump Station

Pumped Flow 14279374 Parshall Flume 301270

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2.7 Temp 68°

Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 187250 Max 271 Min 38 Avg 131

SBR Building

UV Operation 95 % Pump Number 142 Clean Water Screens Ted

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed High

Standby 3 W.A.S Blowers 4 Speed high

Waste Cycle 301 3 min Waster Cycle 302 3 min

Lab Work

Sampler Initials JE Analyst Initials JE

Compositor Date and Time On _____ Compositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent	7:00	7:10	56°	6.4	.8	1.1	14	XXXX	240
301	120	125	58°	6.9	2.9	3.6	340	XXXX	190
302	730	7:35	58°	6.7	3.4	3.8	260	XXXX	210
Effluent	7:05	7:15	58°	7.0	6.5	6.8	0	1.2	170

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4337	0.4717	1520		
302	25	0.4392	0.4700	1232		
Effluent	1000	0.	0.			

Date 5/16/19 Day Thursday Time 630 Temp 46°
Precipitation .25 Weather nice

LAB

Thickened Sludge Full / 1 WAS 10 / 10

Ops Building

Heating Fuel 3000 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour no

Run Trailer Mounted Generators no Boiler Temp 166 Boiler Pressure 10

Lower Pump Station

Pumped Flow 14176957 Parshall Flume 618870

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 3.0 Temp 68°

Heat no Grinder ✓ Hydraulic Level ✓

Gallons 261560 Max 241 Min 40 Avg 140

SBR Building

UV Operation 96 % Pump Number 1+2 Clean Water Screens red

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed High

Standby 3 W.A.S Blowers 4 Speed High

Waste Cycle 301 3 min Waster Cycle 302 3 min

Lab Work

Sampler Initials JE Analyst Initials JE

Compositor Date and Time On _____ Cdmpositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DOL	DO H	Settle	Turb	TDS
Influent	7:00	7:10	56°	6.9	2.1	2.4	12	XXXX	210
301	130	155	59°	7.0	3.9	3.9	360	XXXX	140
302	7:30	7:35	58°	6.9	3.5	3.6	200	XXXX	190
Effluent	7:05	7:15	58°	7.0	7.1	7.3	0	1.4	190

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4277	0.4691	1656		
302	25	0.4153	0.4500	1388		
Effluent	1000	0.	0.			

Date 5/17/19 Day Friday Time 630 Temp 45°
 Precipitation 0 Weather nice

LAB

Thickened Sludge full / 3 W.A.S. 10 / 10

Ops Building

Heating Fuel 2710 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour no

Run Trailer Mounted Generators no Boiler Temp 164 Boiler Pressure 12

Lower Pump Station

Pumped Flow ~~140~~ 14203286 Parshall Flume 804610

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 3.0 Temp 68°

Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 191620 Max 250 Min 49 Avg 133

SBR Building

UV Operation 96 % Pump Number 1+2 Clean Water Screens red

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed High

Standby 3 W.A.S Blowers 4 Speed high

Waste Cycle 301 6 min Waster Cycle 302 0 min

Lab Work

Sampler Initials JE Analyst Initials JE

Compositor Date and Time On _____ Cdmpositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent	6:40	6:50	56°	6.5	.3	.5	16	XXXX	210
301	9:30	9:35	58°	7.0	3.9	4.6	320	XXXX	190
302	7:30	7:35	58°	6.9	3.9	4.1	200	XXXX	240
Effluent	6:45	6:55	56°	7.0	6.8	7.0	0	1.5	200

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4310	0.4579	1076		
302	25	0.4126	0.4561	1760		
Effluent	1000	0.	0.			

Date 5/18/19 Day Saturday Time 630 Temp 45°
Precipitation 0 Weather nice

LAB

Thickened Sludge W.A.S.

Ops Building

Heating Fuel 3558 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour no

Run Trailer Mounted Generators no Boiler Temp 168 Boiler Pressure 12

Lower Pump Station

Pumped Flow 14230424 Parshall Flume 991820

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2.9 Temp 68°

Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 185450 Max 228 Min 46 Avg 129

SBR Building

UV Operation 95 % Pump Number 142 Clean Water Screens ✓

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed High

Standby 3 W.A.S. Blowers 4 Speed high

Waste Cycle 301 6 min Waster Cycle 302 0 min

Lab Work

Sampler Initials Analyst Initials

Compositor Date and Time On Cdmpositor Date and Time Off

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent								XXXX	
301								XXXX	
302								XXXX	
Effluent									

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.	0.			
302	25	0.	0.			
Effluent	1000	0.	0.			

Date 5/19/19 Day Sunday Time 630 Temp 44°
Precipitation 0 Weather nice

LAB

Thickened Sludge 8 / 3 W.A.S. 10 / 10

Ops Building

Heating Fuel 3250 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour 40

Run Trailer Mounted Generators no Boiler Temp 164 Boiler Pressure 10

Lower Pump Station

Pumped Flow 14249401 Parshall Flume 1174000

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2.7 Temp 68°

Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 187270 Max 239 Min 47 Avg 130

SBR Building

UV Operation 95 % Pump Number 142 Clean Water Screens ✓

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed high

Standby 3 W.A.S Blowers 4 Speed High

Waste Cycle 301 0 min Waster Cycle 302 0 min

Lab Work

Sampler Initials JE Analyst Initials JE

Compositor Date and Time On _____ Compositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent								XXXX	
301								XXXX	
302								XXXX	
Effluent									

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.	0.			
302	25	0.	0.			
Effluent	1000	0.	0.			

Date 5/20/19 Day Monday Time 8:00 Temp 70°
Precipitation 0 Weather cloudy

LAB

Thickened Sludge Full / 8' W.A.S. 9.5 / 8.2

Ops Building

Heating Fuel 3170 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour no

Run Trailer Mounted Generators no Boiler Temp 164 Boiler Pressure 10

Lower Pump Station

Pumped Flow 14340179 Parshall Flume 0 reset computer

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2.8 Temp 70°

Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 158340 Max 237 Min 29 Avg 110

SBR Building

UV Operation 95 % Pump Number 142 Clean Water Screens Ted

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed high

Standby 3 W.A.S. Blowers 4 Speed high

Waste Cycle 301 6 min Waster Cycle 302 0 min

Lab Work

Sampler Initials JE Analyst Initials JE

Compositor Date and Time On 5/20/19 @ 7:10 Compositor Date and Time Off 5/21/19 @ 8:40

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent	7:10	7:20	59°	6.6	.4	.9	10	XXXX	330
301	9:30	9:35	63°	6.8	1.8	2.2	240	XXXX	220
302	7:20	7:25	62°	6.7	3.6	4.0	500	XXXX	210
Effluent	7:15	7:25	62°	7.0	6.7	7.0	0	1.3	190

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4156	0.4652	1984		
302	25	0.4121	0.4808	2748		
Effluent	1000	0.	0.			

Date 5/21/19 Day Tuesday Time 630 Temp 66°
 Precipitation 0 Weather nice

LAB

Thickened Sludge 10.1/ 9.2 WAS 8.7/ 8.2

Ops Building

Heating Fuel 3234 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour 10

Run Trailer Mounted Generators no Boiler Temp 164 Boiler Pressure 10

Lower Pump Station

Pumped Flow 14292975 Parshall Flume 152930

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 3.0 Temp 68°

Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 170050 Max 190 Min 40 Avg 118

SBR Building

UV Operation 96 % Pump Number 1+2 Clean Water Screens Ted

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed high

Standby 3 W.A.S Blowers 4 Speed high

Waste Cycle 301 6 min Waster Cycle 302 0 min

Lab Work

Sampler Initials JE Analyst Initials JE

Compositor Date and Time On _____ Compositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent	6:30	6:40	58°	6.8	1.6	1.9	16	XXXX	290
301	9:15	9:20	64°	6.7	1.3	1.5	550	XXXX	280
302	7:30	7:35	63°	6.8	3.0	4.3	260	XXXX	260
Effluent	6:35	6:45	62°	7.3	7.0	7.5	0	1.0	190

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4162	0.4819	2628		
302	25	0.4153	0.4344	764		
Effluent	1000	0.	0.			

Date 5/22/19 Day Wednesday Time 630 Temp 57°
Precipitation 0 Weather sunny

LAB

Thickened Sludge Full / Full WAS 10.5 / 9.9

Ops Building

Heating Fuel 3173 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour no

Run Trailer Mounted Generators no Boiler Temp 160 Boiler Pressure 10

Lower Pump Station

Pumped Flow 14322398 Parshall Flume 268140

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2.7 Temp 68°

Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 149156 Max 197 Min 38 Avg 104

SBR Building

UV Operation 96 % Pump Number 1+2 Clean Water Screens Ted

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed high

Standby 3 W.A.S Blowers 4 Speed high

Waste Cycle 301 15 min Waster Cycle 302 15 min

Lab Work

Sampler Initials JE Analyst Initials JE

Compositor Date and Time On _____ Compositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent	6:30	6:40	59°	7.2	3.5	4.0	16	XXXX	340
301	9:20	9:25	63°	6.6	1.5	1.8	550	XXXX	210
302	7:30	7:35	63°	6.7	2.0	2.9	300	XXXX	270
Effluent	6:35	6:45	62°	7.0	6.9	7.0	0	.9	180

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4174	0.4833	2636		
302	25	0.4144	0.4612	1872		
Effluent	1000	0.	0.			

Date 5/23/19 Day Thursday Time 8:00 Temp 54°
Precipitation 0 Weather Showers

LAB

Thickened Sludge Full / 8' WAS 12.1 / 11.5

Ops Building

Heating Fuel 3173 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour no

Run Trailer Mounted Generators Boiler Temp Boiler Pressure

Lower Pump Station

Pumped Flow 14299986 Parshall Flume ~~301460~~ 301460

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 3.4 Temp 68°

Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 151930 Max 200 Min 30 Avg 106

SBR Building

UV Operation 96 % Pump Number 112 Clean Water Screens Ted

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed High

Standby 3 W.A.S Blowers 4 Speed high

Waste Cycle 301 16 min Waster Cycle 302 5 min

Lab Work

Sampler Initials JE Analyst Initials JE

Compositor Date and Time On Compositor Date and Time Off

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent	6:30	6:40	63°	6.7	.8	1.6	10	XXXX	310
301	9:20	9:25	65°	6.6	5.0	6.1	400	XXXX	300
302	7:30	7:35	65°	6.7	3.5	3.8	290	XXXX	280
Effluent	6:35	6:45	62°	6.9	6.9	6.5	7.0	.7	180

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4166	0.4718	2208		
302	25	0.4171	0.4613	1768		
Effluent	1000	0.	0.			

Date 5/24/19 Day Friday Time 630 Temp 61°
Precipitation 0 Weather sunny

LAB

Thickened Sludge 3.2 / 11.4 W.A.S. 10.2 / 9.4

Ops Building

Heating Fuel 3714 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour no

Run Trailer Mounted Generators no Boiler Temp 168 Boiler Pressure 10

Lower Pump Station

Pumped Flow 1436171 Parshall Flume 404890

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 3.1 Temp 64°

Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 159310 Max 204 Min 10 Avg 111

SBR Building

UV Operation 95 % Pump Number 142 Clean Water Screens Ted

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed high

Standby 3 W.A.S Blowers 4 Speed high

Waste Cycle 301 15 min Waster Cycle 302 5 min

Lab Work

Sampler Initials JE Analyst Initials JE

Compositor Date and Time On _____ Compositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent	6:50	6:55	63°	7.0	5.5	6.1	24	XXXX	150
301	9:10	9:15	63°	6.7	2.9	3.7	350	XXXX	280
302	7:30	7:35	65°	6.8	2.0	2.6	220	XXXX	290
Effluent	7:05	7:10	64°	6.9	5.9	6.5	0	1.0	310

Sample	M/L	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4133	0.4535	1608		
302	25	0.4176	0.4642	1864		
Effluent	1000	0.	0.			

Date 5/25/19 Day Saturday Time 8:00 Temp 70°
Precipitation 0" Weather Sunny

LAB

Thickened Sludge 8.3 / Full W.A.S. 10.9 / 10.1

Ops Building

Heating Fuel _____ Gallons Generator Hours _____ Block Heater _____

Oil and Coolant _____ Battery Condition _____ Run For Hour _____

Run Trailer Mounted Generators _____ Boiler Temp _____ Boiler Pressure _____

Lower Pump Station

Pumped Flow _____ Parshall Flume _____

Lead _____ Lag _____ 2nd Lag _____ Wet Well Level _____ Temp _____

Heat _____ Grinder _____ Hydraulic Level _____

Gallons 143837 Max 164 Min 22 Avg 100

SBR Building

UV Operation 96 % Pump Number 112 Clean Water Screens Red

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed high

Standby 3 W.A.S Blowers 4 Speed high

Waste Cycle 301 2 min Waster Cycle 302 2 min

Lab Work

Sampler Initials _____ Analyst Initials _____

Compositor Date and Time On _____ Compositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent								XXXX	
301								XXXX	
302								XXXX	
Effluent									

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.	0.			
302	25	0.	0.			
Effluent	1000	0.	0.			

Date 5/26/19 Day Sunday Time 8:00 Temp 61°
Precipitation 0" Weather Sunny

LAB

Thickened Sludge 5.8 / Full W.A.S. 10.7 / 10.6

Ops Building

Heating Fuel 2710 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour 10

Run Trailer Mounted Generators 10 Boiler Temp 166 Boiler Pressure 10

Lower Pump Station

Pumped Flow _____ Parshall Flume _____

Lead _____ Lag _____ 2nd Lag _____ Wet Well Level _____ Temp _____

Heat _____ Grinder _____ Hydraulic Level _____

Gallons 143990 Max 149 Min 30 Avg 99

SBR Building

UV Operation 96 % Pump Number 142 Clean Water Screens red

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed high

Standby 3 W.A.S. Blowers 4 Speed high

Waste Cycle 301 0 min Waster Cycle 302 0 min

Lab Work

Sampler Initials _____ Analyst Initials _____

Compositor Date and Time On _____ Compositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent								XXXX	
301								XXXX	
302								XXXX	
Effluent									

Sample	M/L	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.	0.			
302	25	0.	0.			
Effluent	1000	0.	0.			

Date 5/27/19 Day Monday Time 8:00 Temp 66°
Precipitation 0 Weather Sunny

LAB

Thickened Sludge 5.8 / Full W.A.S. 11.1 / 11.3

Ops Building

Heating Fuel 2710 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour 10

Run Trailer Mounted Generators no Boiler Temp 120 Boiler Pressure 10°

Lower Pump Station

Pumped Flow 11286091 Parshall Flume 521890

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 3.4 Temp 68°

Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 159340 Max 231 Min 22 Avg 110

SBR Building

UV Operation 96 % Pump Number 1+2 Clean Water Screens Ted

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed high

Standby 3 W.A.S Blowers 4 Speed high

Waste Cycle 301 15 min Waster Cycle 302 15 min

Lab Work

Sampler Initials JE Analyst Initials JE

Compositor Date and Time On _____ Compositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent								XXXX	
301		Holiday						XXXX	
302								XXXX	
Effluent									

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.	0.	Holiday		
302	25	0.	0.			
Effluent	1000	0.	0.			

Date 5/28/19 Day Tuesday Time 630 Temp 63°
Precipitation 0 Weather nice

LAB

Thickened Sludge 3.4 / Full W.A.S. 13.1 / 11.8

Ops Building

Heating Fuel 2740 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour no

Run Trailer Mounted Generators no Boiler Temp 164 Boiler Pressure 10

Lower Pump Station

Pumped Flow 14391742 Parshall Flume 684390

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2.8 Temp 68°

Heat no Grinder ✓ Hydraulic Level ✓

Gallons 152978 Max 245 Min 18 Avg 106

SBR Building

UV Operation 95 % Pump Number 12 Clean Water Screens Tea

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed high

Standby 3 W.A.S. Blowers 4 Speed high

Waste Cycle 301 15 min Waster Cycle 302 15 min

Lab Work

Sampler Initials JE Analyst Initials JE

Compositor Date and Time On _____ Compositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DOL	DOH	Settle	Turb	TDS
Influent	7:10	7:15	61° 63°	7.3	2.6	3.1	16	XXXX	260
301	9:00	9:05	63°	6.9	4.0	4.8	440	XXXX	180
302	11:00	11:05	64°	6.6	1.6	2.0	180	XXXX	230
Effluent	7:20	7:25	64°	6.6	6.8	7.0	0	.4	190

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4170	0.4592	1688		
302	25	0.4169	0.4445	1104		
Effluent	1000	0.	0.			

Date 5/29/19 Day Wednesday Time 630 Temp 42°
Precipitation .75 Weather rain

LAB

Thickened Sludge 5 / full W.A.S. 13 / 13

Ops Building

Heating Fuel 2710 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour no

Run Trailer Mounted Generators no Boiler Temp 166 Boiler Pressure 10

Lower Pump Station

Pumped Flow 1452522 Parshall Flume 000000 *restarted program*

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 3.4 Temp 68°

Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 163270 Max 238 Min 17 Avg 114

SBR Building

UV Operation 96 % Pump Number 142 Clean Water Screens red

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed High

Standby 3 W.A.S Blowers 4 Speed high

Waste Cycle 301 7 min Waster Cycle 302 min

Lab Work

Sampler Initials JE Analyst Initials JE

Compositor Date and Time On Compositor Date and Time Off

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent	630	6:35	59°	6.5	0.4	0.7	6	XXXX	310
301	8:50	8:55	63°	6.6	1.9	2.6	240	XXXX	250
302	7:00	7:05	62°	6.7	1.8	1.9	240	XXXX	240
Effluent	9:00	9:05	64°	6.8	6.1	7.0	0	0.98	240

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4191	0.4553	1448		
302	25	0.4126	0.4523	1588		
Effluent	1000	0.	0.			

Date 5/30/19 Day Thursday Time 630 Temp 47°
Precipitation 1.25 Weather overcast

LAB

Thickened Sludge 3 / 13 W.A.S. 16 / 9

Ops Building

Heating Fuel 3004 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour no

Run Trailer Mounted Generators ✓ Boiler Temp 14 Boiler Pressure 164

Lower Pump Station

Pumped Flow 14478206 Parshall Flume 159500

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 3.4 Temp 68°

Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 162830 Max 214 Min 14 Avg 112

SBR Building

UV Operation 96 % Pump Number 1+2 Clean Water Screens red

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed high

Standby 3 W.A.S. Blowers 4 Speed High

Waste Cycle 301 4 min Waster Cycle 302 0 min

Lab Work

Sampler Initials JC Analyst Initials JC

Compositor Date and Time On _____ Compositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DOL	DO H	Settle	Turb	TDS
Influent	7:10	7:15	60°	6.4	.2	.5	200	XXXX	290
301	130	135	64°	6.8	2.7	3.0	240	XXXX	190
302	730	735	62°	7.0	1.6	1.9	230	XXXX	260
Effluent	7:20	7:25	63°	7.0	7.0	7.0	0	.8	230

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4135	0.4426	1164		
302	25	0.4127	0.4485	1432		
Effluent	1000	0.	0.			

Date 5/31/19 Day Friday Time 630 Temp 48°
Precipitation .75 Weather nice

LAB

Thickened Sludge 1.5 / 9 W.A.S. 10 / 10

Ops Building

Heating Fuel 2910 Gallons Generator Hours 941 Block Heater ✓

Oil and Coolant ✓ Battery Condition ✓ Run For Hour no

Run Traller Mounted Generators no Boiler Temp — Boiler Pressure —

Lower Pump Station

Pumped Flow 14927010 Parshall Flume 308640

Lead 3 Lag 2 2nd Lag 1 Wet Well Level 3.0 Temp 68°

Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 171130 Max 209 Min 18 Avg 118

SBR Building

UV Operation 96 % Pump Number 142 Clean Water Screens Ted

Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed High

Standby 3 W.A.S Blowers 4 Speed high

Waste Cycle 301 0 min Waster Cycle 302 0 min

Lab Work

Sampler Initials JE Analyst Initials JE

Compositor Date and Time On — Compositor Date and Time Off —

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent	6:45	6:55	60°	6.8	1.1	1.3	10	XXXX	340
301	9:30	9:35	64°	6.7	2.6	2.8	250	XXXX	210
302	7:30	7:35	64°	6.9	1.9	2.2	200	XXXX	240
Effluent	6:50	7:00	63°	7.1	7.0	7.1	0	.6	190

Sample	ML	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4226	0.4480	1016		
302	25	0.4197	0.4443	984		
Effluent	1000	0.	0.			