Town of Deep River WPCA MOR

	Daily Flow			Aeration Tank 1				Aeration Tank 2				pH		Temp		Settable Solids	Turbidity	Waste Time	D.O.	BOD (5-Day)			Suspended S	
	Max	Min	Total	MLSS	SVI	High D.O.	Low D.O.	MLSS	SVI	High D.O.	Low D.O.	Influent	Effluent	Influent	Effluent	Effluent	Effluent		Effluent	INF.	EFF.	% Removed	INF.	EFF.
Units	MGD					MG/L				MG/L		S.U.		FAHRENHEIT		ML/L	NTU	mins	MG/L	MG/L		%	MG/L	
Testing	Daily			Work Day															Daily	Weekly			Weekly	
Date																								
1	0.3312	0.05184	0.175	1232	340	3.5	3.4	1068	310	4	3.8	6.9	7	56	50	0	0.9	0	7.1					
2	0.32544	0.06336	0.169																					
3	0.31968	0.0576	0.165																					
4	0.32112	0.05472	0.163	1812	580	3.4	3.1	864	240	4.2	3.9	6.7	7	54	56	0	1.2	4	7.3					
5	0.30672	0.05472	0.153	1864	400	3.4	2.9	1260	320	3.9	3.5	6.7	7.1	58	56	0	1.2	12	7	241	2.1	99.1	176	ND
6	0.31104	0.0576	0.151	1676	410	3	2.3	1100	400	1.8	1.1	6.7	7	54	56	0	0.8	12	7.3					
7	0.32688	0.05616	0.149	1640	400	3	1.9	1296	400	2.3	1.7	6.9	7	58	56	0	0.9	12	7.5					
8	0.36432	0.07056	0.157	1004	280	2.7	2.5	1060	310	3.1	2.8	7	6.9	58	56	0	0.6	12	7.4					
9	0.34416	0.05472	0.16																					
10	0.31248	0.05616	0.157																					
11	0.30816	0.05616	0.154	1096	320	4.2	3.9	1120	320	4.3	3.7	7	7	58	56	0	1.2	18	7.3					
12	0.30672	0.04752	0.15	848	320	3.9	3.3	972	360	3	2.4	6.7	7	56	56	0	0.7	3	7.8	98	2	98.0	44	ND
13	0.31248	0.0504	0.149	1492	380	1.9	1.3	1088	410	2	1.8	7	7	58	56	0	1.1	6	7.3					
14	0.32112	0.05184	0.158	1492	430	1.5	1.4	1976	410	2.3	1.9	6.7	7	58	56	0	0.6	6	7.4					
15	0.3672	0.08496	0.184	972	460	3.1	2.4	2856	400	3.3	3	6.7	7	58	56	0	1	24	7					
16	0.3456	0.06768	0.179																					
17	0.38016	0.06048	0.18																					
18	0.34128	0.05616	0.173																					
19	0.34704	0.05328	0.179	1048	400	2.7	2.5	1060	360	2	1.7	6.7	7	56	54	0	1	0	7.3	158	3	98.1	96	2
20	0.3456	0.05904	0.178	1784	380	3.3	2.9	1420	320	2.2	2.1	6.9	7.1	56	56	0	0.7	16	7.4					
21	0.36	0.09216	0.161	1316	380	3.6	2.8	1216	400	3.2	3	6.9	7.3	56	54	0	1.2	15	7					
22	0.34848	0.06048	0.166	2076	360	3.5	3.2	1464	380	3.1	2.9	7	7	54	53	0	1.9	0	7.2					
23	0.32112	0.08352	0.189																					
24	0.34272	0.07632	0.181																					
25	0.34992	0.06192	0.183	1956	600	2.9	2.3	1844	320	3.7	3.1	6.6	7.2	54	54	0	0.9	4	7.4					
26	0.29088	0.08208	0.201	2032	430	3.6	3.4	1920	300	3.1	3	6.6	6.9	56	54	0	1.2	18	7.4	235	2.26	99.0	164	3
27	0.34416	0.05472	0.178	2136	380	2.6	2.6	2280	310	3.9	3.4	6.8	7.2	54	54	0	1	20	7.4					
28	0.32832	0.06768	0.179	2036	300	2.8	1.4	2308	340	3.4	3.1	6.6	7.3	54	54	0	0.8	10	7.1					

olids	Amonia		Nitrite		Nitrate		TKN		Total N			Total P	Ortho Phosphate	Alkalinity	
% Removed	INF.	EFF.	INF.	EFF.	INF.	EFF.	INF.	EFF.	INF.	EFF.	EFF.	EFF.	EFF.	INF.	EFF.
%	MG/L		MG/L		MG/L		MG/L		MG/L		# / Day	MG/L	MG/L	MG/L	
	Monthly														
100	13.1	2.91	ND	0.15	0.14	0.28	25.3	3.2	25.4	3.63	5.3	0.18	0.18	89.5	65.3
100															
97.9															
98.2															

Sludge Disposal Location:
Mattabasset Sewer District

Please return forms to:
DEEP - Water Bureau
ATTN: Municipal Wastewater Monitoring Coordinator
Municipal Facilities
79 Elm Street
Hartford, CT 06106-5127

Statement of Acknowledgement

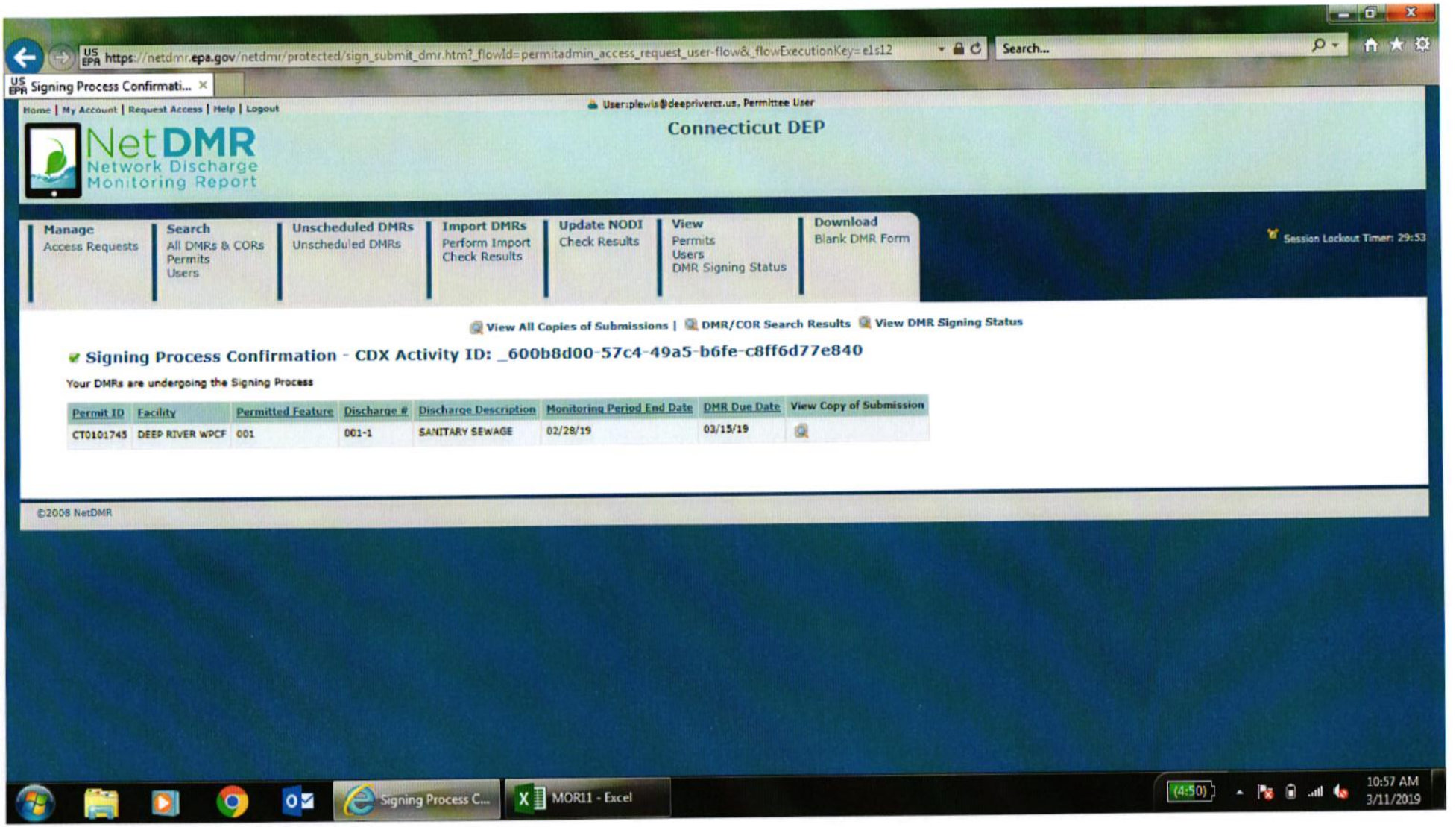
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Authorized Official: John Ely

Title: Operator

Signature:

Date: 3/11/19


https://netdmr.epa.gov/netdmr/protected/sign_submit_dmr.htm?_flowId=permitadmin_access_request_user-flow&_flowExecutionKey=e1s12
Search...
Signing Process Confirmati...
Home | My Account | Request Access | Help | Logout
User:plewis@deepriverct.us, Permittee User
Connecticut DEP
NetDMR
Network Discharge Monitoring Report
Manage
Access Requests
Search
All DMRs & CORs
Permits
Users
Unscheduled DMRs
Unscheduled DMRs
Import DMRs
Perform Import
Check Results
Update NODI
Check Results
View
Permits
Users
DMR Signing Status
Download
Blank DMR Form
Session Lockout Timer: 29:53
View All Copies of Submissions | DMR/COR Search Results View DMR Signing Status
Signing Process Confirmation - CDX Activity ID: _600b8d00-57c4-49a5-b6fe-c8ff6d77e840
Your DMRs are undergoing the Signing Process
Permit ID
Facility
Permitted Feature
Discharge #
Discharge Description
Monitoring Period End Date
DMR Due Date
View Copy of Submission
CT0101745
DEEP RIVER WPCF
001
001-1
SANITARY SEWAGE
02/28/19
03/15/19
©2008 NetDMR
Signing Process C...
MOR11 - Excel
(4:50)
10:57 AM
3/11/2019

1005 BOSTON POST ROAD
MADISON, CT 06443

ENVIRONMENTAL
CONSULTING LABORATORIES, INC.

Phone 203-245-0568
Fax 203-318-0830
Connecticut Certification PH-0535
www.eclinconline.com

Report of Analysis

Name: Town of Deep River WPCF
99 Winter Ave
Deep River, CT 06417
Attn: Pete Lewis

Sample ID#: 122762
Sample Type: Wastewater
Sample Source: Monthly
Sampler: Client

Sample Date: 2/5/2019
Receipt Date: 2/5/2019
Report Date: 2/13/2019
Sample Site: Influent

Parameter	Sample Result	Units	Method	MDL	Analysis Date	Analyst
Chemical						
Ammonia as N	13.1	mg/L	ASTM D6919-03	0.05	2/7/2019	KC
Nitrate as N	0.14	mg/L	EPA300.0	0.1	2/6/2019	JB
Nitrite as N	ND	mg/L	EPA300.0	0.01	2/6/2019	JB
Orthophosphate as P	2.08	mg/L	EPA300.0	0.02	2/6/2019	JB
Phosphorous -Total as P	5.66	mg/L	EPA 200.7	0.04	2/11/2019	JM
TKN as N	25.3	mg/L	4500NorgC	0.5	2/12/2019	KC
Total Nitrogen as N	25.4	mg/L	CALC	1	2/12/2019	KC

DAVID BARRIS - LABORATORY DIRECTOR

ND = Not Detected

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Report of Analysis

Name: Town of Deep River WPCF
99 Winter Ave
Deep River, CT 06417
Attn: Pete Lewis

Sample Date: 2/5/2019
Receipt Date: 2/5/2019
Report Date: 2/11/2019
Sample Site: Effluent

Sample ID#: 122765
Sample Type: Wastewater
Sample Source: Monthly
Sampler: Client

Parameter	Sample Result	Units	Method	MDL	Analysis Date	Analyst
Chemical						
Alkalinity(Grab)	65.3	mg/L	SM2320-B	20	2/8/2019	KC

DAVID BARRIS - LABORATORY DIRECTOR

ND = Not Detected

EN RONMENTAL
CONSULTING LABORATORIES, INC.

1005 Boston Post Road
Madison, CT 06443

(203) 245-0568 Phone
(203) 318-0830 Fax

Client: **Town of Deep River-WPCF**
Contact: **Mr. Peter Lewis**
Address: **99 Winter Ave, Deep River, CT 06417**
Phone: **860-526-6044** Fax:

Project: **Monthly + Weekly Influent/Effluent Testing**

PWSID#:

System Type:

Samplers Name: (Print) John Ely

Client I.D.	Sampling Location	Date	Time	Sample Type: Water	Solid	Comp	Grab	Number of Containers	Required Analysis: TN Series	Ortho & Total Phos	Alkalinity (grab sample)	BOD/TSS	Fecal/Enterococcus May-Oct				Cl_2 Res.	ECL Sample I.D.#
	Influent (Monthly)	2/5/19	8:55	X		X		2	x	x			1 - 16oz 1 - 4oz (H2S04)					122762
	Effluent (Monthly)	2/5/19	8:45	X		X		2	x	x			1 - 32oz 1 - 4oz (H2S04)					122763
	Influent (Monthly)	2/5/19	8:50	X			X	1			x		1 - 8oz					122764
	Effluent (Monthly)	2/5/19	8:40	X			X	1			x		1 - 8oz					122765
	Influent (Weekly)	2/5/19	8:55	X		X		1				x		1 - 8oz				
	Effluent (Weekly)	2/5/19	8:45	X		X		1				x		1 - 16oz				
	Effluent (Weekly)			X			X	1					x	1 - Bact.				

Relinquished by:	Date	Time	Received by:	Date	Time
				2/5/19	9:29 AM
Relinquished by:	Date	Time	Received by:		

Were Samples received within holding time? (Y) / N
Were Samples chilled upon reciept (Y) / N 10.0°C
Were Samples in appropriate containers? (Y) / N
If No Explain _____

Are containers broken/leaking? Y / (N)
Did Samples need to be split upon receipt? Y / (N)
Were Samples presented properly? (Y) / N
If No type needed _____

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Report of Analysis

Name: Town of Deep River WPCF
99 Winter Ave
Deep River, CT 06417
Attn: Pete Lewis

Sample ID#: 122766
Sample Type: Wastewater
Sample Source: Weekly
Sampler: Client

Sample Date: 2/5/2019
Receipt Date: 2/5/2019
Report Date: 2/13/2019
Sample Site: Influent

Parameter	Sample Result	Units	Method	MDL	Analysis Date	Analyst
Chemical						
Biological Oxygen Demand	241	mg/L	SM5210B	2	2/6/2019	KC
Total Suspended Solids	176	mg/L	SM2540D	1	2/8/2019	JB

DAVID BARRIS / LABORATORY DIRECTOR

ND = Not Detected

ENVIRONMENTAL
CONSULTING LABORATORIES, INC.

1005 Boston Post Road
Madison, CT 06443

(203) 245-0568 Phone
(203) 318-0830 Fax

Client: **Town of Deep River-WPCF**
Contact: **Mr. Peter Lewis**
Address: **99 Winter Ave, Deep River, CT 06417**
Phone: **860-526-6044** Fax:

Project:
Monthly + Weekly
Influent/Effluent Testing

PWSID#:

System Type:

Samplers Name: (Print)
John Ely

Client I.D.	Sampling Location	Date	Time	Sample Type: Water	Solid	Comp	Grab	Number of Containers	Required Analysis: TN Series	Ortho & Total Phos	Alkalinity (grab sample)	BOD/TSS	Fecal/Enterococcus May-Oct				Cl_2 Res.	ECL Sample I.D.#
	Influent (Monthly)	2/5/19	8:55	X		X		2	x	x			1 - 16oz 1 - 4oz (H2S04)					
	Effluent (Monthly)	2/5/19	8:45	X		X		2	x	x			1 - 32oz 1 - 4oz (H2S04)					
	Influent (Monthly)	2/5/19	8:50	X			X	1			x		1 - 8oz					
	Effluent (Monthly)	2/5/19	8:40	X			X	1			x		1 - 8oz					
	Influent (Weekly)	2/5/19	8:55	X		X		1				x		1 - 8oz				122606
	Effluent (Weekly)	2/5/19	8:45	X		X		1				x		1 - 16oz				122607
	Effluent (Weekly)			X			X	1					x	1 - Bact.				

Relinquished by:	Date	Time	Received by:	
				2/5/19 9:24AM
Relinquished by:	Date	Time	Received by:	

Were Samples received within holding time? (Y) N
Were Samples chilled upon reciept? (Y) N 0.0°C
Were Samples in appropriate containers? (Y) N
If No Explain _____

Are containers broken/leaking? Y (N)
Did Samples need to be split upon receipt? Y (N)
Were Samples preserved properly? (Y) N
~~If No type needed~~ _____

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Report of Analysis

Name: Town of Deep River WPCF
99 Winter Ave
Deep River, CT 06417
Attn: Pete Lewis

Sample ID#: 122911
Sample Type: Wastewater
Sample Source: Weekly
Sampler: Client

Sample Date: 2/12/2019
Receipt Date: 2/12/2019
Report Date: 2/20/2019
Sample Site: Influent

Parameter	Sample Result	Units	Method	MDL	Analysis Date	Analyst
Chemical						
Biological Oxygen Demand	98.0	mg/L	SM5210B	2	2/13/2019	KC
Total Suspended Solids	44.0	mg/L	SM2540D	1	2/15/2019	JB

DAVID BARRIS - LABORATORY DIRECTOR

ND = Not Detected

CC ULTING LABORATORIES, INC.
1005 Boston Post Road
Madison, CT 06443
(203) 245-0568 Phone
(203) 318-0830 Fax

Client: **Town of Deep River-WPCF**
Contact: **Mr. Peter Lewis**
Address: **99 Winter Ave, Deep River, CT 06417**
Phone: **860-526-6044** Fax:

Project:
Weekly
Influent/Effluent Testing

Samplers Name: (Print)
John Ely

Client I.D.	Sampling Location	Date	Time	Sample Type: Water	Solid	Comp	Grab	Number of Containers	Required Analysis: BOD	TSS		Fecal/Enterocci (May-Oct)						ECL Sample I.D.#
	Influent	2/12/19	8:50	X		X		1	X	X								122911
	Effluent	2/12/19	8 40	X		X		1	X	X								122912
	Effluent			X			X	1				X						

Relinquished by: — Date — Time — Received by: — 2/12/19 9:18 AM

Relinquished by: — Date — Time — Received by:

Were Samples received within holding time? (Y) N
Were Samples chilled upon reciept? (Y) / N 3°C
Were Samples in appropriate containers? (Y) N
If No Explain

Are containers broken/leaking? Y (N)
Did Samples need to be split upon receipt? Y / (N)
Were Samples preserved properly? (Y) N

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Report of Analysis

Name: Town of Deep River WPCF
99 Winter Ave
Deep River, CT 06417
Attn: Pete Lewis

Sample ID#: 123006
Sample Type: Wastewater
Sample Source: Weekly
Sampler: Client

Sample Date: 2/19/2019
Receipt Date: 2/19/2019
Report Date: 2/26/2019
Sample Site: Influent

Parameter	Sample Result	Units	Method	MDL	Analysis Date	Analyst
Chemical						
Biological Oxygen Demand	158	mg/L	SM5210B	2	2/20/2019	KC
Total Suspended Solids	96.0	mg/L	SM2540D	1	2/22/2019	JB

DAVID BARRS - LABORATORY DIRECTOR

ND = Not Detected

CC ILTING LABORATORIES, INC.

1005 Boston Post Road
Madison, CT 06443

(203) 245-0568 Phone
(203) 318-0830 Fax

Client: **Town of Deep River-WPCF**
Contact: **Mr. Peter Lewis**
Address: **99 Winter Ave, Deep River, CT 06417**
Phone: **860-526-6044** Fax:

Project:
Weekly
Influent/Effluent Testing

Samplers Name: (Print)
John Ely

Client I.D.	Sampling Location	Date	Time	Sample Type: Water	Solid	Comp	Grab	Number of Containers	Required Analysis: BOD	TSS		Fecal/Enterocci (May-Oct)						ECL Sample I.D.#
	Influent	2/19/19	8:40	X		X		1	X	X								123006
	Effluent	2/19/19	8:50	X		X		1	X	X								123007
	~~**Effluent**~~			~~X~~			~~X~~	1				~~X~~						

Relinquished by:
Date: 2/19/19
Time:
Received by:
Date: 2/19/19
Time: 9:22AM

Relinquished by:
Date:
Time:
Received by:

Were Samples received within holding time? (Y) / N
Were Samples chilled upon reciept? (Y) / N 4.6 °C
Were Samples in appropriate containers? (Y) / N
If No Explain

Are containers broken/leaking? Y (N)
Did Samples need to be split upon receipt? Y / (N)
Were Samples presented properly? (Y) / N
~~If No type needed~~

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Report of Analysis

Name: Town of Deep River WPCF
99 Winter Ave
Deep River, CT 06417
Attn: Pete Lewis

Sample ID#: 123156
Sample Type: Wastewater
Sample Source: Weekly
Sampler: Client

Sample Date: 2/26/2019
Receipt Date: 2/26/2019
Report Date: 3/5/2019
Sample Site: Influent

Parameter	Sample Result	Units	Method	MDL	Analysis Date	Analyst
Chemical						
Biological Oxygen Demand	235	mg/L	SM5210B	2	2/27/2019	KC
Total Suspended Solids	164	mg/L	SM2540D	1	3/1/2019	JB

DAVID BARRIS - LABORATORY DIRECTOR

ND = Not Detected

CC ULTING LABORATORIES, INC.
1005 Boston Post Road
Madison, CT 06443
(203) 245-0568 Phone
(203) 318-0830 Fax

Client: **Town of Deep River-WPCF**
Contact: **Mr. Peter Lewis**
Address: **99 Winter Ave, Deep River, CT 06417**
Phone: **860-526-6044** Fax:

Project:
Weekly
Influent/Effluent Testing

Samplers Name: (Print)
John Ely

Client I.D.	Sampling Location	Date	Time	Sample Type: Water	Solid	Comp	Grab	Number of Containers	Required Analysis: BOD	TSS		Fecal/Enterocci (May-Oct)					ECL Sample I.D.#
	Influent	2/26/19	8:50	X		X		1	X	X							123156
	Effluent	2/26/19	8:40	X		X		1	X	X							123157
	Effluent			X			X	1				X					

Relinquished by:	Date	Time	Received by:	Date	Time
				2/27/19	9:24
Relinquished by:	Date	Time	Received by:		

Were Samples received within holding time? (Y) / N
Were Samples chilled upon reciept? (Y) / N 1.30
Were Samples in appropriate containers? (Y) / N
If No Explain

Are containers broken/leaking? Y (N)
Did Samples need to be split upon receipt? Y (N)
Were Samples presented properly? (Y) N

Date 2/28/19 Day Thursday Time 6:30 Temp 20°
Precipitation 0 Weather Nice

LAB

Thickened Sludge 9 / 0 W.A.S 14 / 14

Ops Building

Heating Fuel 3810 Gallons Generator Hours 941 Block Heater ✓
Oil and Coolant ✓ Battery Condition ✓ Run For Hour no
Run Trailer Mounted Generators ✓ Boiler Temp 168 Boiler Pressure 10

Lower Pump Station

Pumped Flow _____ Parshall Flume _____
Lead 3 Lag 2 2nd Lag 1 Wet Well Level 3.4 Temp 66°
Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 179490 Max 228 Min 47 Avg 125

SBR Building

UV Operation — % Pump Number — Clean Water Screens Jet
Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed High
Standby 3 W.A.S Blowers 5 Speed High
Waste Cycle 301 0 min Waster Cycle 302 10 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	8:40	8:50	54°	6.6	.6	.9	22	XXXX	190
301	9:20	9:25	52°	6.7	1.4	2.8	300	XXXX	190
302	7:30	7:35	54°	6.9	3.1	3.4	340	XXXX	170
Effluent	8:45	8:55	54°	7.3	7.0	7.1	0	.8	160

Sample	ML.	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0. 4327	0. 4836	2036		
302	25	0. 4401	0. 4978	2308		
Effluent	1000	0.	0.			

Date 2/27/19 Day Wednesday Time 630 Temp 22°
Precipitation 0 Weather Nice

LAB

Thickened Sludge 5/0 W.A.S 9/9

Ops Building

Heating Fuel 3800 Gallons Generator Hours 941 Block Heater ✓
Oil and Coolant ✓ Battery Condition ✓ Run For Hour no
Run Trailer Mounted Generators ✓ Boiler Temp 164 Boiler Pressure 22 ?

Lower Pump Station

Pumped Flow 12579812 Parshall Flume 6112930
Lead 3 Lag 2 2nd Lag 1 Wet Well Level 3.0 Temp 59°
Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 178310 Max 239 Min 38 Avg 123

SBR Building

UV Operation ____% Pump Number — Clean Water Screens ✓
Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed High
Standby 3 W.A.S Blowers 5 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 _____ Cdmpositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent	7:00	7:10	54°	6.8	1.7	1.9	24	XXXX	260
301	9:25	9:30	52°	6.9	2.6	2.6	380	XXXX	180
302	7:30	7:35	52°	7.3	3.4	3.9	310	XXXX	180
Effluent	7:05	7:15	54°	7.2	7.0	7.4	0	1.0	170

Sample	ML.	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4382	0.4916	2136		
302	25	0.4406	0.4976	2280		
Effluent	1000	0.	0.			

Date 2/26/19 Day Tuesday Time 630 Temp 21°
Precipitation 6 Weather nice

LAB

Thickened Sludge 1.9 / 1.8 W.A.S 10 / 10

Ops Building

Heating Fuel 3810 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 12422148 Parshall Flume 6071330
Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2.8 Temp 68°
Heat ~ Grinder ~ Hydraulic Level ~

Gallons 208820 Max 256 Min 67 Avg 145

SBR Building

UV Operation — % Pump Number — Clean Water Screens Tcd
Air Valves ~ Slide Gates ~ SBR Blowers 1 Speed low
Standby 3 W.A.S Blowers 5 Speed low
Waste Cycle 301 6'18" min Waster Cycle 302 6' min

Lab Work Tank full will adjust this afternoon

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	7:05	7:15	56°	6.6	.7	1.2	12	XXXX	140
301	930	935	54	6.9	3.4	3.6	430	XXXX	
302	7:30	7:35	54°	7.0	3.0	3.1	300	XXXX	180
Effluent	7:00	7:10	54°	6.9	7.2	7.4	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. 4384	0. 4892	2032		
302	25	0. 4347	0. 4827	1920		
Effluent	1000	0.	0.			

Date 2/25/19 Day Monday Time 630 Temp 28°
Precipitation 0 Weather nice really wind 60 mph

LAB

Thickened Sludge 1.9 / 4.7 W.A.S 9 / 9

Ops Building

Heating Fuel 3610 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 12

Lower Pump Station

Pumped Flow 12398888 Parshall Flume 5863510
Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2.8 Temp 68°
Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 201140 Max 202 Min 57 Avg 137

SBR Building

UV Operation — % Pump Number — Clean Water Screens Jed
Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed low
Standby 3 W.A.S Blowers 5 Speed High
Waste Cycle 301 0 min Waster Cycle 302 0 min

Lab Work 4 min @ 970 rpm

Sampler Initials JC Analyst Initials JC
Compositor Date and Time On 2/25/19 @ 650 Compositor Date and Time Off 2/26/19 8:40

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent	7:00	7:10	54°	6.6	1.1	1.7	14	XXXX	190
301	930	9:35	55°	6.8	2.3	2.9	600	XXXX	120
302	7:30	7:35	55°	7.1	3.1	3.7	320	XXXX	180
Effluent	7:05	7:15	54°	7.2	7.1	7.4	0	.9	110

Sample	ML.	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4333	0.4822	1956		
302	25	0.4385	0.4846	1844		
Effluent	1000	0.	0.			

Date 2/24/19 Day Sun Time _____ 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 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 183160 Max 243 Min 43 Avg 127

SBR Building

UV Operation _____% Pump Number _____ 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 _____ 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 2/23/19 Day Sat Time _____ 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 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 180720 Max 238 Min 53 Avg 125

SBR Building

UV Operation _____% Pump Number _____ 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 _____ 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 2/22/19 Day Friday Time 630 Temp 34°
Precipitation 0 Weather nice

LAB

Thickened Sludge —/4 W.A.S 14/14

Ops Building

Heating Fuel 3680 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 12334700 Parshall Flume 5294270
Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2.9 Temp 68°
Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 188550 Max 223 Min 58 Avg 131

SBR Building

UV Operation —% Pump Number — Clean Water Screens red
Air Valves ✓ Slide Gates ✓ SBR Blowers 3/ Speed low
Standby 3 W.A.S Blowers 5 Speed Low - need to tighten belts
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	8:30	8:35	54°	7.0	1.5	1.8	12	XXXX	270
301	930	935	54°	7.0	3.2	3.5	360	XXXX	170
302	1130	1135	54°	6.7	2.9	3.1	380	XXXX	
Effluent	8:45	8:50	53°	7.0	6.8	7.2	0	1.9	190

Sample	ML.	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4364	0.4883	2076		
302	25	0.4376	0.4742	1464		
Effluent	1000	0.	0.			

Date 2/21/19 Day Thursday Time 630 Temp 30°
Precipitation 2" Weather snow/rain

LAB

Thickened Sludge — / 3.9 W.A.S 10 / 10

Ops Building

Heating Fuel 3790 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 12288949 Parshall Flume 50991630
Lead 3 Lag 2 2nd Lag 1 Wet Well Level 3.3 Temp 66°
Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 165530 Max 242 Min 42 Avg 115

SBR Building

UV Operation — % Pump Number — Clean Water Screens Tec
Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed High
Standby 3 W.A.S Blowers 5 Speed High
Waste Cycle 301 10 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	7:10	7:20	56°	6.9	1.1	1.3	10	XXXX	190
301	930	935	54°	7.1	2.8	3.6	380	XXXX	170
302	730	7:35	54°	6.9	3.0	3.2	400	XXXX	170
Effluent	7:05	7:15	54°	7.3	6.8	7.0	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	0.4397	0.4726	1316		
302	25	0.4402	0.4706	1216		
Effluent	1000	0.	0.			

Date 2/20/19 Day Wednesday Time 630 Temp 24°
Precipitation 0 Weather cool

LAB

Thickened Sludge — / 5 W.A.S 8 / 8

Ops Building

Heating Fuel 3910 Gallons Generator Hours 941 Block Heater ✓
Oil and Coolant ✓ Battery Condition ✓ Run For Hour 10
Run Trailer Mounted Generators no Boiler Temp 166 Boiler Pressure 12

Lower Pump Station

Pumped Flow 12287884 Parshall Flume 4914290
Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2.7 Temp 68°
Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 160860 Max 250 Min 64 Avg 111

SBR Building

UV Operation —% Pump Number — Clean Water Screens Tech
Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed High
Standby 3 W.A.S Blowers 5 Speed High
Waste Cycle 301 8 min Waster Cycle 302 8 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	7:05	7:15	56°	6.9	3.0	3.4	10	XXXX	180
301	9:30	935	54°	6.9	2.9	3.3	380	XXXX	160
302	730	7:35	54°	7.0	2.1	2.2	320	XXXX	170
Effluent	7:00	7:10	56°	7.1	7.1	7.4	0	.7	160

Sample	ML.	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4327	0.4773	1784		
302	25	0.4381	0.4736	1420		
Effluent	1000	0.	0.			

Date 2/19/19 Day Tuesday Time 630 Temp 19°
Precipitation 0 Weather nice

LAB

Thickened Sludge 0 / 5 W.A.S 13 / 13

Ops Building

Heating Fuel 3980 Gallons Generator Hours 94 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 1226121 Parshall Flume 4741910
Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2.7 Temp 68
Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 177960 Max 240 Min 41 Avg 123

SBR Building

UV Operation — % Pump Number — Clean Water Screens Tcd
Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed low
Standby 3 W.A.S Blowers 5 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	7:00	7:10	56°	6.7	1.2	1.9	8	XXXX	180
301	930	9:40	54°	6.7	2.5	2.7	400	XXXX	160
302	730	7:35	54°	7.1	1.7	2.0	360	XXXX	150
Effluent	7:05	7:15	54°	7.0	7.0	7.3	0	1.0	170

Sample	ML.	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0. 4349	0. 4611	1048		
302	25	0. 4344	0. 4609	1060		
Effluent	1000	0.	0.			

Date 2/18/19 Day monday Time 8:10 Temp 30°
Precipitation 1.5 Weather nice

LAB

Thickened Sludge — / 5 W.A.S 13 / 13

Ops Building

Heating Fuel 3940 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 12139418 Parshall Flume 4612030
Lead 3 Lag 2 2nd Lag 1 Wet Well Level 3.0 Temp 68°
Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 179430 Max 241 Min 37 Avg 124

SBR Building

UV Operation — % Pump Number — Clean Water Screens —
Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed low
Standby 3 W.A.S Blowers 5 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 2/18/19 @ 8:20 Compositor Date and Time Off 2/19/19 @ 8:40

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent		Holiday						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.	Holiday		
302	25	0.	0.			
Effluent	1000	0.	0.			

Date 2/17/19 Day Sunday Time 6 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 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 172960 Max 237 Min 39 Avg 120

SBR Building

UV Operation _____% Pump Number _____ 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 _____ 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 2/16/19 Day Saturday Time _____ 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 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 180220 Max 264 Min 42 Avg 125

SBR Building

UV Operation _____% Pump Number _____ 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 _____ 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 2/15/19 Day Friday Time 630 Temp 30°
Precipitation 0 Weather cold

LAB

Thickened Sludge — / 3.9 W.A.S 9 / 9

Ops Building

Heating Fuel 4000 Gallons Generator Hours 941 Block Heater ✓
Oil and Coolant ✓ Battery Condition ✓ Run For Hour no
Run Trailer Mounted Generators no Boiler Temp 12 Boiler Pressure 10

Lower Pump Station

Pumped Flow 12186942 Parshall Flume 4193990
Lead 3 Lag 2 2nd Lag 1 Wet Well Level 3.4 Temp 68°
Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 179200 Max 240 Min 47 Avg 124

SBR Building

UV Operation — % Pump Number — Clean Water Screens Rod
Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed low
Standby 3 W.A.S Blowers 5 Speed High
Waste Cycle 301 6 (16) min Waster Cycle 302 3 (8) 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	58°	6.7	.4	.9	10	XXXX	170
301	930	9:35	54°	6.7	2.4	3.1	460	XXXX	170
302	7:30	7:35	56°	6.9	3.0	3.3	400	XXXX	180
Effluent	7:05	7:15	56°	7.0	6.8	7.0	0	1.0	170

Sample	ML.	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4408	0.4651	972		
302	25	0.3939	0.4653	2856		
Effluent	1000	0.	0.			

Date 2/14/19 Day Thursday Time 630 Temp 28°
Precipitation 0 Weather cool

LAB

Thickened Sludge — / 4 W.A.S 9 / 9

Ops Building

Heating Fuel 4000 Gallons Generator Hours 941 Block Heater —
Oil and Coolant ✓ Battery Condition ✓ Run For Hour 40
Run Trailer Mounted Generators _____ Boiler Temp _____ Boiler Pressure _____

Lower Pump Station

Pumped Flow 12164570 Parshall Flume 4020740
Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2.7 Temp 65°
Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 183700 Max 255 Min 59 Avg 128

SBR Building

UV Operation — % Pump Number — Clean Water Screens Tc d
Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed low
Standby 3 W.A.S Blowers 5 Speed High
Waste Cycle 301 3 min Waster Cycle 302 3 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	7:30	7:40	58°	6.7	1.1	1.9	8	XXXX	190
301	930	935	56°	6.9	1.4	1.5	430	XXXX	
302	1130	1735	54	6.8	1.9	2.3	410	XXXX	
Effluent	735	745	56°	7.0	7.3	7.4	0	.6	160

Sample	ML.	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4392	0.4765	1492		
302	25	0.4371	0.4865	1976		
Effluent	1000	0.	0.			

Date 2/13/19 Day Wednesday Time 650 Temp 28°
Precipitation 5" snow Weather nice

LAB

Thickened Sludge — / 4 W.A.S 9 / 8

Ops Building

Heating Fuel 4000 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 14

Lower Pump Station

Pumped Flow 12148932 Parshall Flume 3991790
Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2 Temp
Heat Grinder Hydraulic Level

Gallons 158290 Max 223 Min 36 Avg 110

SBR Building

UV Operation — % Pump Number — Clean Water Screens TeN
Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed low
Standby 3 W.A.S Blowers 5 Speed High
Waste Cycle 301 3 min Waster Cycle 302 3 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	7:05	7:15	58°	7.0	2.2	3.0	10	XXXX	170
301	9:30	9:35	54°	6.7	1.3	1.9	380	XXXX	160
302	730	7:35	54°	6.9	1.8	2.0	410	XXXX	160
Effluent	7:00	7:10	56°	7.0	7.1	7.3	0	1.1	160

Sample	ML.	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0. 4509	0. 4682	1492		
302	25	0. 4402	0. 4674	1088		
Effluent	1000	0.	0.			

Date 2/12/19 Day Tuesday Time 630 Temp 30°
Precipitation 0 Weather snow coming

LAB

Thickened Sludge — / 5 W.A.S 6 / 6

Ops Building

Heating Fuel 2310 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 12124632 Parshall Flume 3659290
Lead 3 Lag 2 2nd Lag 1 Wet Well Level 3.3 Temp 67°
Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 148900 Max 217 Min 36 Avg 103

SBR Building

UV Operation — % Pump Number — Clean Water Screens Tc A
Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed low
Standby 3 W.A.S Blowers 5 Speed High
Waste Cycle 301 3 min Waster Cycle 302 ____ 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	7:00	7:10	56°	6.7	1.0	1.9	10	XXXX	190
301	930	935	56°	7.0	3.3	3.9	320	XXXX	160
302	730	7:35	56°	7.0	2.4	3.0	360	XXXX	140
Effluent	705	7:15	56°	7.0	7.1	7.8	0	.7	170

Sample	ML.	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0. 4387	0. 4599	848		
302	25	0.4808	0. 4551	972		
Effluent	1000	0.	0.			

Date 2/11/19 Day Monday Time 630 Temp 34°
Precipitation 0 Weather Nice

LAB

Thickened Sludge — / 5 W.A.S 11 / 11

Ops Building

Heating Fuel 2430 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 12101779 Parshall Flume 3509550
Lead 3 Lag 2 2nd Lag 1 Wet Well Level 3.0 Temp 68°
Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 149680 Max 213 Min 33 Avg 104

SBR Building

UV Operation — % Pump Number — Clean Water Screens Tcd
Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed low
Standby 3 W.A.S Blowers 5 Speed High
Waste Cycle 301 9 min Waster Cycle 302 9 min

Lab Work

Sampler Initials JC Analyst Initials JC
Compositor Date and Time On 2/11/19 @ 7:30 Cdmpositor Date and Time Off 2/12 @ 840

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent	7:10	7:20	58°	7.0	2.0	2.2	10	XXXX	170
301	9:35	9:40	58°	7.0	3.9	4.2	320	XXXX	170
302	730	7:35	56°	6.9	3.7	4.3	320	XXXX	180
Effluent	7:05	7:15	56°	7.0	7.0	7.3	0	1.2	130

Sample	ML.	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0. 4306	0. 4580	1096		
302	25	0. 4381	0. 4661	1120		
Effluent	1000	0.	0.			

Date 2/10/19 Day Sunday Time _____ 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 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 153670 Max 214 Min 39 Avg 107

SBR Building

UV Operation _____% Pump Number _____ 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 _____ 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 2/9/19 Day Sat Time _____ 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 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 156810 Max 217 Min 39 Avg 109

SBR Building

UV Operation _____% Pump Number _____ 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 _____ Compositor Date and Time Off _____

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent								XXX	
301								XXX	
302								XXX	
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 2/9/19 Day Sat Time _____ 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 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 160380 Max 239 Min 38 Avg 112

SBR Building

UV Operation _____% Pump Number _____ 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 _____ 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 2/8/19 Day Friday Time 630 Temp 36°
Precipitation .75 Weather overcast

LAB

Thickened Sludge — / 4 W.A.S 8 / 8

Ops Building

Heating Fuel 2380 Gallons Generator Hours 941 Block Heater ✓
Oil and Coolant ✓ Battery Condition ✓ Run For Hour no
Run Trailer Mounted Generators — Boiler Temp 164 Boiler Pressure 12

Lower Pump Station

Pumped Flow 12041935 Parshall Flume 3058150
Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2.7 Temp 62°
Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 157360 Max 253 Min 49 Avg 109

SBR Building

UV Operation — % Pump Number — Clean Water Screens Ted
Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed low
Standby 3 W.A.S Blowers 5 Speed High
Waste Cycle 301 6 min Waster Cycle 302 6 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	7:20	7:30	58°	7.0	3.0	3.9	10	XXXX	260
301	930	935	56°	6.9	2.5	2.7	280	XXXX	170
302	11:30	11:35	57°	6.7	2.8	3.1	310	XXXX	200
Effluent	7:25	7:35	56°	6.9	7.3	7.4	0	.6	140

Sample	ML.	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4337	0.4588	1004		
302	25	0.4308	0.4573	1060		
Effluent	1000	0.	0.			

Date 2/7/19 Day Thursday Time 630 Temp 33°
Precipitation .5 Weather overcast

LAB

Thickened Sludge ~ / 4 W.A.S 7 / 7

Ops Building

Heating Fuel 2380 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 756483 Parshall Flume 2902660
Lead 3 Lag 2 2nd Lag 1 Wet Well Level 3.0 Temp 70°
Heat 4 Grinder ~ Hydraulic Level ~

Gallons 149240 Max 227 Min 39 Avg 103

SBR Building

UV Operation ~ % Pump Number ~ Clean Water Screens Tod
Air Valves ~ Slide Gates ~ SBR Blowers 1 Speed low
Standby 3 W.A.S Blowers 5 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	7:00	7:10	58°	6.9	.7	1.9	10	XXXX	160
301	9:30	9:35	58°	7.0	1.9	3.0	400	XXXX	170
302	730	7:35	56°	6.8	1.7	2.3	400	XXXX	170
Effluent	7:05	7:15	56°	7.0	7.3	7.5	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	0.4717	1640		
302	25	0.4409	0.4733	1296		
Effluent	1000	0.	0.			

Date 2/6/19 Day Wednesday Time 630 Temp 30°
Precipitation 0 Weather Nice

LAB

Thickened Sludge — / 4 W.A.S 6 / 6

Ops Building

Heating Fuel 2420 Gallons Generator Hours 941 Block Heater ✓
Oil and Coolant ✓ Battery Condition ✓ Run For Hour no
Run Trailer Mounted Generators no Boiler Temp 170 Boiler Pressure 12

Lower Pump Station

Pumped Flow 11995410 Parshall Flume 2746920
Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2.6 Temp 68°
Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 151290 Max 216 Min 40 Avg 105

SBR Building

UV Operation — % Pump Number — Clean Water Screens Tes
Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed low
Standby 3 W.A.S Blowers 5 Speed High
Waste Cycle 301 12 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	54°	6.7	2.7	2.9	12	XXXX	160
301	930	935	56°	7.0	2.3	3.0	410	XXXX	
302	730	7:35	56°	7.0	1.1	1.8	1100	XXXX	170
Effluent	7:05	7:15	56°	7.0	7.1	7.3	0	.8	180

Sample	ML.	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0.4309	0.4728	1676		
302	25	0.4384	0.4659	1100		
Effluent	1000	0.	0.			

Date 2/5/19 Day Tuesday Time 630 Temp 33°
Precipitation 0 Weather nice

LAB

Thickened Sludge — / 4.3 W.A.S 7 / 7

Ops Building

Heating Fuel 2500 Gallons Generator Hours 941 Block Heater ✓
Oil and Coolant ✓ Battery Condition ✓ Run For Hour ✓ no
Run Trailer Mounted Generators — Boiler Temp 164 Boiler Pressure 12

Lower Pump Station

Pumped Flow 11972501 Parshall Flume ~~2.5~~ 2.5 5/16
Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2.9 Temp 68°
Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 153320 Max 213 Min 38 Avg 106

SBR Building

UV Operation — % Pump Number — Clean Water Screens Ted
Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed low
Standby 3 W.A.S Blowers 5 Speed High
Waste Cycle 301 12 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	700	7:10	58°	6.7	3.0	3.1	10	XXXX	210
301	930	935	56°	6.8	2.9	3.4	400	XXXX	170
302	730	735	56	7.0	3.5	3.9	320	XXXX	170
Effluent	7:05	7:15	56°	7.1	6.7	7.0	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	0.4322	0. 4789	1864		
302	25	0. 4309	0. 4624	1260		
Effluent	1000	0.	0.			

Date 2/4/19 Day Monday Time 630 Temp 29°
Precipitation 0 Weather Nice

LAB

Thickened Sludge —/6 W.A.S 6/6

Ops Building

Heating Fuel 2460 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 1950180 Parshall Flume 244/070
Lead 3 Lag 2 2nd Lag 1 Wet Well Level 2.9 Temp 70°
Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 163110 Max 223 Min 38 Avg 113

SBR Building

UV Operation — % Pump Number — Clean Water Screens Ted
Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed low
Standby 3 W.A.S Blowers 5 Speed High
Waste Cycle 301 0 min Waster Cycle 302 0 min
4m.ns @ 9:40

Lab Work

Sampler Initials JC Analyst Initials JC
Compositor Date and Time On 2/4 @ 8:00 Compositor Date and Time Off 2/5 @ 8:40

Sample	Collected	Analyzed	Temp	pH	DO L	DO H	Settle	Turb	TDS
Influent	7:05	7:15	54°	6.7	1.6	1.7	10	XXXX	170
301	930	935	56°	7.1	3.1	3.4	580	XXXX	180
302	730	735	56°	6.9	3.9	4.2	240	XXXX	170
Effluent	7:00	7:10	56°	7.0	7.2	7.3	0	1.2	160

Sample	ML.	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0. 4365	0. 4818	1812		
302	25	0. 4346	0. 4562	864		
Effluent	1000	0.	0.			

Date 2/3/19 Day Sunday Time _____ 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 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 164990 Max 222 Min 70 Avg 115

SBR Building

UV Operation _____% Pump Number _____ 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 _____ 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 2/2/19 Day Saturday Time _____ 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 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 168930 Max 226 Min 44 Avg 117

SBR Building

UV Operation _____% Pump Number _____ 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 _____ 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 2/1/19 Day Friday Time 630 Temp 30°
Precipitation 0 Weather Cool

LAB

Thickened Sludge — / 9.3 W.A.S 8 / 8

Ops Building

Heating Fuel 2490 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 1192364 Parshall Flume 2218730
Lead 3 Lag 2 2nd Lag 1 Wet Well Level 3.0 Temp 68°
Heat ✓ Grinder ✓ Hydraulic Level ✓

Gallons 175270 Max 230 Min 36 Avg 122

SBR Building

UV Operation — % Pump Number ✓ Clean Water Screens Tcd
Air Valves ✓ Slide Gates ✓ SBR Blowers 1 Speed ~~High~~ low
Standby 3 W.A.S Blowers 5 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	1.7	1.9	12	XXXX	160
301	930	955	52°	6.7	3.4	3.5	340	XXXX	170
302	730	735	52°	6.9	3.8	4.0	310	XXXX	160
Effluent	7:05	7:15	50°	7.0	6.8	7.1	0	.9	160

Sample	ML.	Tare Wt.	Gross Wt.	Sus. Sol MG/L	Ash Wt.	% Volatile S.S
Influent	200	0.	0.			
301	25	0. 4390	0. 4698	1232		
302	25	0. 4406	0. 4673	1068		
Effluent	1000	0.	0.			