FACILITY NAME/ADDRESS:
Credit River Township - Territory
7491 165th St
Prior Lake, MN 55372

STATION INFORMATION:
WS 001 (Influent Waste - System 1)
Waste Stream

No Discharge ('Yes' or 'No'): No

WASTEWATER TREATMENT
DISCHARGE MONITORING REPORT

PERMIT #	LIMIT STATUS	FORMER #
MN0066826	Phase 2	

MONITORING PERIOD			
	YEAR|MO|DAY		YEAR|MO|DAY
FROM:	2016-02-01	TO:	2016-02-29

PERMITEE NAME/ADDRESS:
Credit River Township
18985 Meadow View Blvd
Prior Lake, MN 55372

PARAMETER		QUANTITY		UNITS	CONCENTRATION			UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	Exception
BOD, Carbonaceous 05 Day (20 Deg C) 80082	SAMPLE VALUE	*****	*****		*****	43	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Flow 50050	SAMPLE VALUE	*****	.259	Mgal	*****	.0089	.0107	mgd	once per day	Measurement, Continuous	
	PERMIT	*****	REPORT		*****	0.0135	0.0202		once per day	Measurement, Continuous	
	REQ		calendar month total			calendar month average	daily maximum				
pH 00400	SAMPLE VALUE	*****	*****		7.4	*****	7.5	SU	twice per month	Grab	
	PERMIT	*****	*****		REPORT	*****	REPORT		twice per month	Grab	
	REQ				calendar month minimum		calendar month maximum				
Precipitation 00193	SAMPLE VALUE	*****	1.1	in	*****	*****	*****		once per day	Measurement	
	PERMIT	*****	REPORT		*****	*****	*****		once per day	Measurement	
	REQ		calendar month total								
Solids, Total Suspended (TSS) 00530	SAMPLE VALUE	*****	*****		*****	38	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					

COMMENTS:

FACILITY NAME/ADDRESS:
Credit River Township - Territory
7491 165th St
Prior Lake, MN 55372

STATION INFORMATION:
WS 004 (Influent Waste - System 2 & 3)
Waste Stream

No Discharge ('Yes' or 'No'): Yes

WASTEWATER TREATMENT
DISCHARGE MONITORING REPORT

PERMIT #	LIMIT STATUS	FORMER #
MN0066826	Phase 2	

MONITORING PERIOD			
	YEAR|MO|DAY		YEAR|MO|DAY
FROM:	2016-02-01	TO:	2016-02-29

PERMITEE NAME/ADDRESS:
Credit River Township
18985 Meadow View Blvd
Prior Lake, MN 55372

PARAMETER		QUANTITY		UNITS	CONCENTRATION			UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	Exception
BOD, Carbonaceous 05 Day (20 Deg C) 80082	SAMPLE VALUE	*****	*****		*****		*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Flow 50050	SAMPLE VALUE	*****		Mgal	*****			mgd	once per day	Measurement, Continuous	
	PERMIT	*****	REPORT		*****	0.0228	0.0342		once per day	Measurement, Continuous	
	REQ		calendar month total			calendar month average	daily maximum				
pH 00400	SAMPLE VALUE	*****	*****			*****		SU	twice per month	Grab	
	PERMIT	*****	*****		REPORT	*****	REPORT		twice per month	Grab	
	REQ				calendar month minimum		calendar month maximum				
Precipitation 00193	SAMPLE VALUE	*****		In	*****	*****	*****		once per day	Measurement	
	PERMIT	*****	REPORT		*****	*****	*****		once per day	Measurement	
	REQ		calendar month total								
Solids, Total Suspended (TSS) 00530	SAMPLE VALUE	*****	*****		*****		*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					

COMMENTS:

FACILITY NAME/ADDRESS:
Credit River Township - Territory
7491 165th St
Prior Lake, MN 55372

STATION INFORMATION:
WS 010 (Influent Waste - System 7)
Waste Stream

No Discharge ('Yes' or 'No'): No

WASTEWATER TREATMENT
DISCHARGE MONITORING REPORT

PERMIT #	LIMIT STATUS	FORMER #
MN0066826	Phase 2	

MONITORING PERIOD			
	YEAR|MO|DAY		YEAR|MO|DAY
FROM:	2016-02-01	TO:	2016-02-29

PERMITEE NAME/ADDRESS:
Credit River Township
18985 Meadow View Blvd
Prior Lake, MN 55372

PARAMETER		QUANTITY		UNITS	CONCENTRATION			UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	Exception
BOD, Carbonaceous 05 Day (20 Deg C) 80082	SAMPLE VALUE	*****	*****		*****	46	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Flow 50050	SAMPLE VALUE	*****	.1733	Mgal	*****	.006	.0108	mgd	once per day	Measurement, Continuous	
	PERMIT	*****	REPORT		*****	0.0153	0.0229		once per day	Measurement, Continuous	
	REQ		calendar month total			calendar month average	daily maximum				
pH 00400	SAMPLE VALUE	*****	*****		7.5	*****	7.6	SU	twice per month	Grab	
	PERMIT	*****	*****		REPORT	*****	REPORT		twice per month	Grab	
	REQ				calendar month minimum		calendar month maximum				
Precipitation 00193	SAMPLE VALUE	*****	1.1	in	*****	*****	*****		once per day	Measurement	
	PERMIT	*****	REPORT		*****	*****	*****		once per day	Measurement	
	REQ		calendar month total								
Solids, Total Suspended (TSS) 00530	SAMPLE VALUE	*****	*****		*****	40	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					

COMMENTS:

FACILITY NAME/ADDRESS:
Credit River Township - Territory
7491 165th St
Prior Lake, MN 55372

STATION INFORMATION:
WS 013 (Influent Waste - System 8)
Waste Stream

No Discharge ('Yes' or 'No'): No

WASTEWATER TREATMENT
DISCHARGE MONITORING REPORT

PERMIT #	LIMIT STATUS	FORMER #
MN0066826	Phase 2	

MONITORING PERIOD			
	YEAR|MO|DAY		YEAR|MO|DAY
FROM:	2016-02-01	TO:	2016-02-29

PERMITEE NAME/ADDRESS:
Credit River Township
18985 Meadow View Blvd
Prior Lake, MN 55372

PARAMETER		QUANTITY		UNITS	CONCENTRATION			UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	Exception
BOD, Carbonaceous 05 Day (20 Deg C) 80082	SAMPLE VALUE	*****	*****		*****	62	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Flow 50050	SAMPLE VALUE	*****	.1501	Mgal	*****	.0052	.0062	mgd	once per day	Measurement, Continuous	
	PERMIT	*****	REPORT		*****	0.0153	0.0229		once per day	Measurement, Continuous	
	REQ		calendar month total			calendar month average	daily maximum				
pH 00400	SAMPLE VALUE	*****	*****		7.5	*****	7.6	SU	twice per month	Grab	
	PERMIT	*****	*****		REPORT	*****	REPORT		twice per month	Grab	
	REQ				calendar month minimum		calendar month maximum				
Precipitation 00193	SAMPLE VALUE	*****	1.1	in	*****	*****	*****		once per day	Measurement	
	PERMIT	*****	REPORT		*****	*****	*****		once per day	Measurement	
	REQ		calendar month total								
Solids, Total Suspended (TSS) 00530	SAMPLE VALUE	*****	*****		*****	133	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					

COMMENTS:

FACILITY NAME/ADDRESS:
Credit River Township - Territory
7491 165th St
Prior Lake, MN 55372

STATION INFORMATION:
WS 016 (After media filters, before mounds - System 1)
Waste Stream

No Discharge ('Yes' or 'No'): No

WASTEWATER TREATMENT
DISCHARGE MONITORING REPORT

PERMIT #	LIMIT STATUS	FORMER #
MN0066826	Phase 2	

MONITORING PERIOD			
	YEAR|MO|DAY		YEAR|MO|DAY
FROM:	2016-02-01	TO:	2016-02-29

PERMITEE NAME/ADDRESS:
Credit River Township
18985 Meadow View Blvd
Prior Lake, MN 55372

PARAMETER		QUANTITY		UNITS	CONCENTRATION			UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	Exception
BOD, Carbonaceous 05 Day (20 Deg C) 80082	SAMPLE VALUE	*****	*****		*****	10	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****				
	REQ					calendar month average			twice per month	Grab	
Chloride, Total 00940	SAMPLE VALUE	*****	*****		*****	713	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****				
	REQ					calendar month average			twice per month	Grab	
Nitrite Plus Nitrate, Total (as N) 00630	SAMPLE VALUE	*****	*****		*****	9.1	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****				
	REQ					calendar month average			twice per month	Grab	
Nitrogen, Kjeldahl, Total 00625	SAMPLE VALUE	*****	*****		*****	23	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****				
	REQ					calendar month average			twice per month	Grab	
Nitrogen, Total (as N) 00600	SAMPLE VALUE	*****	*****		*****	32	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****				
	REQ					calendar month average			twice per month	Grab	
Phosphorus, Total (as P) 00665	SAMPLE VALUE	*****	*****		*****	5.4	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****				
	REQ					calendar month average			twice per month	Grab	
Solids, Total Suspended (TSS) 00530	SAMPLE VALUE	*****	*****		*****	11	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****				
	REQ					calendar month average			twice per month	Grab	

COMMENTS:

FACILITY NAME/ADDRESS:
Credit River Township - Territory
7491 165th St
Prior Lake, MN 55372

STATION INFORMATION:
WS 017 (After media filters, before mounds - System 2 & 3)
Waste Stream

No Discharge ('Yes' or 'No'): Yes

WASTEWATER TREATMENT
DISCHARGE MONITORING REPORT

PERMIT #	LIMIT STATUS	FORMER #
MN0066826	Phase 2	

MONITORING PERIOD			
	YEAR|MO|DAY		YEAR|MO|DAY
FROM:	2016-02-01	TO:	2016-02-29

PERMITEE NAME/ADDRESS:
Credit River Township
18985 Meadow View Blvd
Prior Lake, MN 55372

PARAMETER		QUANTITY		UNITS	CONCENTRATION			UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	Exception
BOD, Carbonaceous 05 Day (20 Deg C) 80082	SAMPLE VALUE	*****	*****		*****		*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Chloride, Total 00940	SAMPLE VALUE	*****	*****		*****		*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Nitrite Plus Nitrate, Total (as N) 00630	SAMPLE VALUE	*****	*****		*****		*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Nitrogen, Kjeldahl, Total 00625	SAMPLE VALUE	*****	*****		*****		*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Nitrogen, Total (as N) 00600	SAMPLE VALUE	*****	*****		*****		*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Phosphorus, Total (as P) 00665	SAMPLE VALUE	*****	*****		*****		*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Solids, Total Suspended (TSS) 00530	SAMPLE VALUE	*****	*****		*****		*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					

COMMENTS:

FACILITY NAME/ADDRESS:
Credit River Township - Territory
7491 165th St
Prior Lake, MN 55372

STATION INFORMATION:
WS 018 (After media filters, before mounds - System 7)
Waste Stream

No Discharge ('Yes' or 'No'): No

WASTEWATER TREATMENT
DISCHARGE MONITORING REPORT

PERMIT #	LIMIT STATUS	FORMER #
MN0066826	Phase 2	

MONITORING PERIOD			
	YEAR|MO|DAY		YEAR|MO|DAY
FROM:	2016-02-01	TO:	2016-02-29

PERMITEE NAME/ADDRESS:
Credit River Township
18985 Meadow View Blvd
Prior Lake, MN 55372

PARAMETER		QUANTITY		UNITS	CONCENTRATION			UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	Exception
BOD, Carbonaceous 05 Day (20 Deg C) 80082	SAMPLE VALUE	*****	*****		*****	17	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Chloride, Total 00940	SAMPLE VALUE	*****	*****		*****	615	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Nitrite Plus Nitrate, Total (as N) 00630	SAMPLE VALUE	*****	*****		*****	4.5	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Nitrogen, Kjeldahl, Total 00625	SAMPLE VALUE	*****	*****		*****	25	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Nitrogen, Total (as N) 00600	SAMPLE VALUE	*****	*****		*****	29	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Phosphorus, Total (as P) 00665	SAMPLE VALUE	*****	*****		*****	4.8	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Solids, Total Suspended (TSS) 00530	SAMPLE VALUE	*****	*****		*****	16	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					

COMMENTS:

FACILITY NAME/ADDRESS:
Credit River Township - Territory
7491 165th St
Prior Lake, MN 55372

STATION INFORMATION:
WS 019 (After media filters, before mounds - System 8)
Waste Stream

No Discharge ('Yes' or 'No'): No

WASTEWATER TREATMENT
DISCHARGE MONITORING REPORT

PERMIT #	LIMIT STATUS	FORMER #
MN0066826	Phase 2	

MONITORING PERIOD			
	YEAR|MO|DAY		YEAR|MO|DAY
FROM:	2016-02-01	TO:	2016-02-29

PERMITEE NAME/ADDRESS:
Credit River Township
18985 Meadow View Blvd
Prior Lake, MN 55372

PARAMETER		QUANTITY		UNITS	CONCENTRATION			UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE	Exception
BOD, Carbonaceous 05 Day (20 Deg C) 80082	SAMPLE VALUE	*****	*****		*****	4.2	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Chloride, Total 00940	SAMPLE VALUE	*****	*****		*****	703	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Nitrite Plus Nitrate, Total (as N) 00630	SAMPLE VALUE	*****	*****		*****	33	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Nitrogen, Kjeldahl, Total 00625	SAMPLE VALUE	*****	*****		*****	11	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Nitrogen, Total (as N) 00600	SAMPLE VALUE	*****	*****		*****	44	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Phosphorus, Total (as P) 00665	SAMPLE VALUE	*****	*****		*****	6.7	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Solids, Total Suspended (TSS) 00530	SAMPLE VALUE	*****	*****		*****	3.8	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					

COMMENTS:

Natural Systems Utilities
17818 Hwy 65 NE, Suite 100
Ham Lake, MN 55304
Phone: 763-434-5660
Fax: 763-434-5664

Territory One February Wastewater Operation Summary
Credit River Township

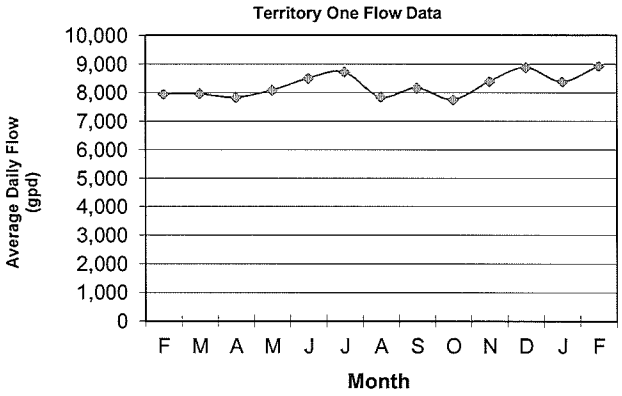
	Frequency		
STEP System			
Measure sludge and scum in STEP septic tanks	1 / year	[ ] Completed	[X] Not Completed
Clean Biotube STEP filters and test pump operation	1 / year	[ ] Completed	[X] Not Completed
Monitor flow via TCOM	1 / week	[X] Completed	[ ] Not Completed
Collection System			
Complete visual inspection of collection system	2 / year	[ ] Completed	[X] Not Completed
Pretreatment Module			
Download pump run times and event counters	1 / month	[X] Completed	[ ] Not Completed
Verify pumps are operational	1 / month	[X] Completed	[ ] Not Completed
Test amp draws of pumps	1 / month	[X] Completed	[ ] Not Completed
Clean Biotube filters and pump inlet screens	1 / year	[ ] Completed	[X] Not Completed
Sample influent at WS001	2 / month	[X] Completed	[ ] Not Completed
Measure sludge/scum at WS003	4 / year	[ ] Completed	[X] Not Completed
Check for orifice plugging	4 / year	[X] Completed	[ ] Not Completed
Visually inspect treatment pods for performance issues	4 / year	[X] Completed	[ ] Not Completed
Flush dosing lines	4 / year	[ ] Completed	[X] Not Completed
Disposal System			
Visually inspect the drainfield and walk around mounds	6 / year	[X] Completed	[ ] Not Completed
Observe cleanouts in mounds for evidence of ponding	6 / year	[ ] Completed	[X] Not Completed
Turn pumps to hand to observe diverter operation	4 / year	[ ] Completed	[X] Not Completed
Check for rodent activity/apply pesticide	6 / year	[ ] Completed	[X] Not Completed
Sample effluent at WS016	2 / month	[X] Completed	[ ] Not Completed
System winterized	1 / year	[ ] Completed	[X] Not Completed
Complete draw downs for flow calibration	2 / year	[ ] Completed	[X] Not Completed
Sample at GW001 - GW007 (April, July, October)	3 / year	[ ] Completed	[X] Not Completed

Average Daily Flow

Current month reading	8,931	gallons per day
Previous month reading	8,387	gallons per day
Increase/decrease	544	gallons per day

pH Meter Calibrations

Operator Name	Date	Time	Cal. Buffers
Tyler Gagner	9-Feb	953am	4, 7, 10
Tyler Gagner	17-Feb	1102am	4, 7, 10



Comments

System operating effectively

Future Maintenance Needs

None at this time

Date:	02/04/16	02/09/16	02/17/16	02/25/16
Operator:	SS/TG	TG	TG	TG

"We're more than just operators...."

Providing experienced water and wastewater operations, maintenance, and management services to homeowners associations, local governments, and residential developers.

Natural Systems Utilities
17818 Hwy 65 NE, Suite 100
Ham Lake, MN 55304
Phone: 763-434-5660
Fax: 763-434-5664

Territory Seven February Wastewater Operation Summary
Credit River Township

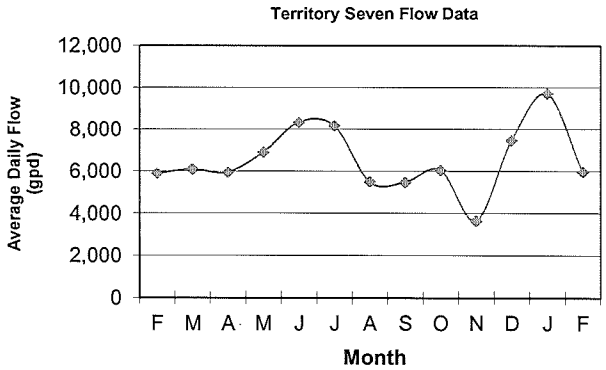
	Frequency		
STEP System			
Measure sludge and scum in STEP septic tanks	1 / year	[ ] Completed	[X] Not Completed
Clean Biotube STEP filters and test pump operation	1 / year	[ ] Completed	[X] Not Completed
Monitor flow via TCOM	1 / week	[X] Completed	[ ] Not Completed
Collection System			
Complete visual inspection of collection system	2 /year	[ ] Completed	[X] Not Completed
Pretreatment Module			
Download pump run times and event counters	1 / month	[X] Completed	[ ] Not Completed
Verify pumps are operational	1 / month	[X] Completed	[ ] Not Completed
Test amp draws of pumps	1 / month	[X] Completed	[ ] Not Completed
Clean Biotube filters and pump inlet screens	1 / year	[ ] Completed	[X] Not Completed
Sample influent at WS010	2 / month	[X] Completed	[ ] Not Completed
Measure sludge/scum at WS012	1 / month	[ ] Completed	[X] Not Completed
Check for orifice plugging	4 / year	[X] Completed	[ ] Not Completed
Visually inspect treatment pods for performance issues	4 / year	[X] Completed	[ ] Not Completed
Flush dosing lines	4 / year	[ ] Completed	[X] Not Completed
Disposal System			
Visually inspect the drainfield and walk around mounds	6 / year	[X] Completed	[ ] Not Completed
Observe cleanouts in mounds for evidence of ponding	6 / year	[ ] Completed	[X] Not Completed
Turn pumps to hand to observe diverter operation	4 / year	[ ] Completed	[X] Not Completed
Check for rodent activity/apply pesticide	6 / year	[ ] Completed	[X] Not Completed
Sample effluent at WS018	2 / month	[X] Completed	[ ] Not Completed
System winterized	1 / year	[ ] Completed	[X] Not Completed
Complete draw downs for flow calibration	2 / year	[ ] Completed	[X] Not Completed
Sample at GW021 - GW027 (April, July, October)	3 / year	[ ] Completed	[X] Not Completed

Average Daily Flow

Current month reading	5,962	gallons per day
Previous month reading	9,713	gallons per day
Increase/decrease	-3,751	gallons per day

pH Meter Calibrations

Operator Name	Date	Time	Cal. Buffers
Tyler Gagner	9-Feb	953am	4, 7, 10
Tyler Gagner	17-Feb	1102am	4, 7, 10



Comments

System operating effectively. Source of high flow identified- a vacant home- homeowner contacted

Future Maintenance Needs

None at this time

Date:	02/04/16	02/09/16	02/17/16	02/25/16
Operator:	SS/TG	TG	TG	TG

"We're more than just operators...."

Providing experienced water and wastewater operations, maintenance, and management services to homeowners associations, local governments, and residential developers.

Natural Systems Utilities
17818 Hwy 65 NE, Suite 100
Ham Lake, MN 55304
Phone: 763-434-5660
Fax: 763-434-5664

Territory Eight February Wastewater Operation Summary
Credit River Township

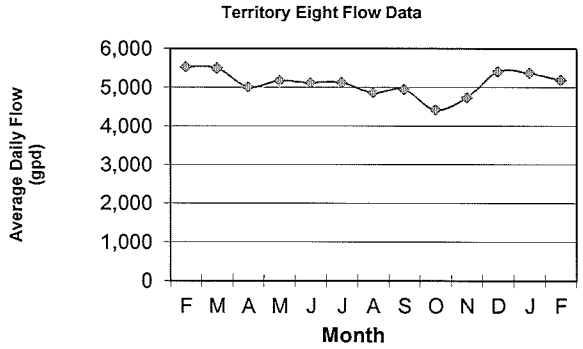
	Frequency		
STEP System			
Measure sludge and scum in STEP septic tanks	1 / year	[ ] Completed	[X] Not Completed
Clean Biotube STEP filters and test pump operation	1 / year	[ ] Completed	[X] Not Completed
Monitor flow via TCOM	1 / week	[X] Completed	[ ] Not Completed
Collection System			
Complete visual inspection of collection system	2 /year	[ ] Completed	[X] Not Completed
Pretreatment Module			
Download pump run times and event counters	1 / month	[X] Completed	[ ] Not Completed
Verify pumps are operational	1 / month	[X] Completed	[ ] Not Completed
Test amp draws of pumps	1 / month	[X] Completed	[ ] Not Completed
Clean Biotube filters and pump inlet screens	1 / year	[ ] Completed	[X] Not Completed
Sample influent at WS013	2 / month	[X] Completed	[ ] Not Completed
Measure sludge/scum at WS015	1 / month	[ ] Completed	[X] Not Completed
Check for orifice plugging	4 / year	[X] Completed	[ ] Not Completed
Visually inspect treatment pods for performance issues	4 / year	[X] Completed	[ ] Not Completed
Flush dosing lines	4 / year	[ ] Completed	[X] Not Completed
Disposal System			
Visually inspect the drainfield and walk around mounds	6 / year	[X] Completed	[ ] Not Completed
Observe cleanouts in mounds for evidence of ponding	6 / year	[ ] Completed	[X] Not Completed
Turn pumps to hand to observe diverter operation	4 / year	[ ] Completed	[X] Not Completed
Check for rodent activity/apply pesticide	6 / year	[ ] Completed	[X] Not Completed
Sample effluent at WS019	2 / month	[X] Completed	[ ] Not Completed
System winterized	1 / year	[ ] Completed	[X] Not Completed
Complete draw downs for flow calibration	2 / year	[ ] Completed	[X] Not Completed
Sample at GW018 - GW020 (April, July, October)	3 / year	[ ] Completed	[X] Not Completed

Average Daily Flow

Current month reading	5,181	gallons per day
Previous month reading	5,363	gallons per day
Increase/decrease	-182	gallons per day

pH Meter Calibrations

Operator Name	Date	Time	Cal. Buffers
Tyler Gagner	9-Feb	953AM	4, 7, 10
Tyler Gagner	17-Feb	1102AM	4, 7, 10



Comments

System operating effectively

Future Maintenance Needs

None at this time

Date:	02/04/16	02/09/16	02/17/16	02/25/16
Operator:	TG	TG	TG	TG

"We're more than just operators...."

Providing experienced water and wastewater operations, maintenance, and management services to homeowners associations, local governments, and residential developers.