FACILITY NAME/ADDRESS:
Credit River Twnsp -Monterey H&S Passage
1568 Belmont Ave NW
Prior Lake, MN 55372

STATION INFORMATION:
WS 001 (Monterey Heights Influent)
Waste Stream

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

WASTEWATER TREATMENT
DISCHARGE MONITORING REPORT

PERMIT #	LIMIT STATUS	FORMER #
MN0066389	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	*****	*****		*****	63	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Flow 50050	SAMPLE VALUE	*****	.1363	Mgal	*****	.0047	.006	mgd	once per day	Measurement, Continuous	
	PERMIT	*****	REPORT		*****	0.0144	0.021		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				
Phosphorus, Total (as P) 00665	SAMPLE VALUE	*****	*****		*****	5.9	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
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	*****	*****		*****	31	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					

COMMENTS:

FACILITY NAME/ADDRESS:
Credit River Twnsp -Monterey H&S Passage
1568 Belmont Ave NW
Prior Lake, MN 55372

STATION INFORMATION:
WS 002 (South Passage Influent)
Waste Stream

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

WASTEWATER TREATMENT
DISCHARGE MONITORING REPORT

PERMIT #	LIMIT STATUS	FORMER #
MN0066389	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	*****	*****		*****	19.5	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
Flow 50050	SAMPLE VALUE	*****	.1045	Mgal	*****	.004	.004	mgd	once per day	Measurement, Continuous	
	PERMIT	*****	REPORT		*****	0.009	0.013		once per day	Measurement, Continuous	
	REQ		calendar month total			calendar month average	daily maximum				
pH 00400	SAMPLE VALUE	*****	*****		7.2	*****	7.5	SU	twice per month	Grab	
	PERMIT	*****	*****		REPORT	*****	REPORT		twice per month	Grab	
	REQ				calendar month minimum		calendar month maximum				
Phosphorus, Total (as P) 00665	SAMPLE VALUE	*****	*****		*****	4	*****	mg/L	twice per month	Grab	
	PERMIT	*****	*****		*****	REPORT	*****		twice per month	Grab	
	REQ					calendar month average					
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	*****	*****		*****	31	*****	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

Monterey Heights February Wastewater Operation Summary
Credit River Township

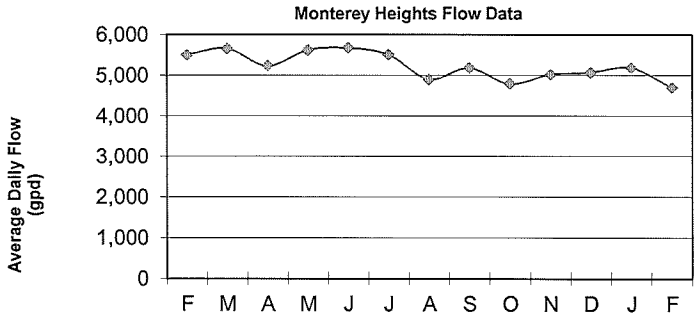
STEP Systems			
Measure sludge and scum in STEP septic tanks	1 / year	[ ] Completed	[X] Not Completed
Clean Biotube STEP filters and test pump operation	1 / year	[ ] Completed	[X] Not Completed
Pull pump, clean inlet screen	1 / year	[ ] Completed	[X] Not Completed
Collection System			
Complete visual 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
Observe 6-way diverter operation	4 / year	[ ] Completed	[X] Not Completed
Test amp draws of pumps	1 / month	[X] Completed	[ ] Not Completed
Clean Biotube filters and pump inlet screens	2 / year	[ ] Completed	[X] Not Completed
Sample influent at WS001	2 / month	[X] Completed	[ ] Not Completed
Check for orifice plugging/ponding in sand filter	1 / month	[X] Completed	[ ] Not Completed
Visually inspect treatment cell for performance issues	1 / month	[X] Completed	[ ] Not Completed
Flush dosing lines	2 / year	[ ] Completed	[X] Not Completed
Drainfield			
Sample effluent at WS005	4 / year	[ ] Completed	[X] Not Completed
Visually inspect the drainfield and walk around mounds	1 / month	[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	2 / year	[ ] Completed	[X] Not Completed
Check for rodent activity/apply pesticide	6 / year	[ ] Completed	[X] Not Completed
System winterized	1 / year	[ ] Completed	[X] Not Completed
Sample GW002, GW004, GW009, GW010 (Apr, Jul, Oct)	3 / year	[ ] Completed	[X] Not Completed

Average Daily Flow

Current month reading	4,705	gallons per day
Previous month reading	5,182	gallons per day
Increase/decrease	-477	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.

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

South Passage February Wastewater Operation Summary
Credit River Township

STEP Systems

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
Pull pump, clean inlet screen	1 / year	[ ] Completed	[X] 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
Observe 6-way diverter operation	4 / year	[ ] Completed	[X] Not Completed
Test amp draws of pumps	1 / month	[X] Completed	[ ] Not Completed
Clean Biotube filters and pump inlet screens	2 / year	[ ] Completed	[X] Not Completed
Sample influent at WS002	2 / month	[X] Completed	[ ] Not Completed
Check for orifice plugging/ponding in sand filter	1 / month	[X] Completed	[ ] Not Completed
Visually inspect treatment cell for performance issues	1 / month	[X] Completed	[ ] Not Completed
Flush dosing lines	2 /year	[ ] Completed	[X] Not Completed

Disposal System

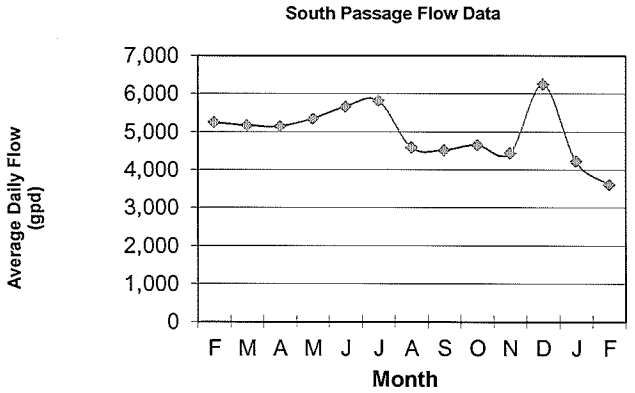
Sample effluent at WS006	4 / year	[ ] Completed	[X] Not Completed
Visually inspect the drainfield and walk around mounds	1 / month	[X] Completed	[ ] Not Completed
Observe cleanouts in mounds for evidence of ponding	6 / year	[ ] Completed	[X] Not Completed
Turn pumps to hand to observe diverter operation	2 / year	[ ] Completed	[X] Not Completed
Check for rodent activity/apply pesticide	6 / year	[ ] Completed	[X] Not Completed
System winterized	1 / year	[ ] Completed	[X] Not Completed
Sample GW005, GW006 GW007 (April, July, October)	3 / year	[ ] Completed	[X] Not Completed
Check for rodent activity/apply pesticide	6 / year	[ ] Completed	[X] Not Completed
System winterized	1 / year	[ ] Completed	[X] Not Completed

Average Daily Flow

Current month reading	3,602	gallons per day
Previous month reading	4,226	gallons per day
Increase/decrease	-624	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

Drain field dose pump blew line apart in tank, repaired 2/4 by Shane. System operating effectively

Future Maintenance Needs

None at this time

Date:	02/04/16	02/09/16	02/17/16	2/25/2016
Operator:	SS	TG	TG	TG

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