

FACILITY NAME/ADDRESS:
Northfield WWTP
1450 Highway 3 N
Northfield, MN 55057

WASTEWATER TREATMENT
DISCHARGE MONITORING REPORT

PERMITEE
NAME/ADDRESS:
Northfield city of
1450 Highway 3 N
Northfield, MN 55057

PERMIT #	LIMIT STATUS	FORMER #
MN0024368		

STATION INFORMATION:
SD 006 (Main Facility Discharge)
Surface Discharge

MONITORING PERIOD			
YEAR	MO	DAY	
2018	07	01	FROM:
2018	07	31	TO:

No Discharge/No Flow
(Enter 'x' if no discharge/no flow occurred for this station):

PARAMETER		QUANTITY		UNITS	CONCENTRATION			UNITS	FREQUENCY	SAMPLE	Exception
		VALUE	REQ		OF ANALYSIS	TYPE					
BOD, Carbonaceous 05 Day (20 Deg C) 80082	SAMPLE	40	70	kg/d	*****	4.6	7.9	mg/L	3 times per week	24-Hour Flow Composite	
	VALUE				*****	25	40				
	PERMIT	322	515								
	REQ	calendar month average	maximum calendar week average			calendar month average	maximum calendar week average			3 times per week	
BOD, Carbonaceous 05 Day (20 Deg C) Percent Removal 80091	SAMPLE	*****	*****	%	98	*****	*****	%	3 times per week	Calculation	
	VALUE				85	*****	*****				
	PERMIT	*****	*****								
	REQ					minimum calendar month average				3 times per week	
Copper, Total (as Cu) 01042	SAMPLE	*****	.1	kg/d	*****	*****	12	ug/L	twice per month	24-Hour Flow Composite	
	VALUE				*****	*****	113				
	PERMIT	*****	1.45								
	REQ		daily maximum				daily maximum			twice per month	
Fecal Coliform, MPN or Membrane Filter 44.5C 48201	SAMPLE	*****	*****	#/100ml	*****	11	*****	#/100ml	3 times per week	Grab	
	VALUE				*****	200	*****				
	PERMIT	*****	*****								
	REQ					calendar month geometric mean				3 times per week	
Flow 50050	SAMPLE	*****	66	Mgal	*****	2.1	2.4	mgd	once per day	Measurement, Continuous	
	VALUE				*****	REPORT	REPORT				
	PERMIT	*****	REPORT								
	REQ		calendar month total			calendar month average	calendar month maximum			once per day	
Nitrogen, Ammonia, Total (as N) 00610	SAMPLE	1.2	*****	kg/d	*****	.1	*****	mg/L	3 times per week	24-Hour Flow Composite	
	VALUE				*****	8.9	*****				
	PERMIT	175	*****								
	REQ	calendar month average				calendar month average				3 times per week	
Oxygen, Dissolved 00300	SAMPLE	*****	*****	mg/L	9.1	*****	*****	mg/L	once per day	Grab	
	VALUE				REPORT	*****	*****				
	PERMIT	*****	*****			calendar month minimum					
	REQ									once per day	
pH 00400	SAMPLE	*****	*****	SU	6.5	*****	7.1	SU	once per day	Grab	
	VALUE				6.0	*****	9.0				
	PERMIT	*****	*****			calendar month minimum	calendar month maximum				
	REQ									once per day	
Phosphorus, Total (as P) 00665	SAMPLE	1.9	*****	kg/d	*****	.2	*****	mg/L	3 times per week	24-Hour Flow Composite	
	VALUE				*****	1.0	*****				
	PERMIT	19.6	*****								
	REQ	calendar month average				calendar month average				3 times per week	
Phosphorus, Total (as P) 00665	SAMPLE	*****	637.8	kg/yr	*****	*****	*****	kg/yr	3 times per week	24-Hour Flow Composite	
	VALUE				*****	*****	*****				
	PERMIT	*****	7174								
	REQ		calendar year to date total							3 times per week	
Solids, Total Suspended (TSS) 00530	SAMPLE	103	122	kg/d	*****	12	14	mg/L	3 times per week	24-Hour Flow Composite	
	VALUE				*****	30	45				
	PERMIT	386	578								
	REQ	calendar month average	maximum calendar week average			calendar month average	maximum calendar week average			3 times per week	
Solids, Total Suspended (TSS) Percent Removal 81011	SAMPLE	*****	*****	%	96	*****	*****	%	3 times per week	Calculation	
	VALUE				85	*****	*****				
	PERMIT	*****	*****								
	REQ					minimum calendar month average				3 times per week	

COMMENTS:

FACILITY NAME/ADDRESS:
 Northfield WWTP
 1450 Highway 3 N
 Northfield, MN 55057

**WASTEWATER TREATMENT
 DISCHARGE MONITORING REPORT**

**PERMITEE
 NAME/ADDRESS:**
 Northfield city of
 1450 Highway 3 N
 Northfield, MN 55057

PERMIT #	LIMIT STATUS	FORMER #
MN0024368		

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

MONITORING PERIOD			
YEAR	MO	DAY	
2018	07	01	FROM:
2018	07	31	TO:

No Discharge/No Flow
 (Enter 'x' if no discharge/no flow occurred for this station):

PARAMETER		QUANTITY		UNITS	CONCENTRATION			UNITS	FREQUENCY	SAMPLE	Exception	
							OF ANALYSIS		TYPE			
BOD, Carbonaceous 05 Day (20 Deg C) 80082	SAMPLE	*****	*****		*****	271	537	mg/L	3 times per week	24-Hour Flow Composite		
	VALUE					REPORT	REPORT					
	PERMIT	*****	*****				calendar month average		calendar month maximum	3 times per week	24-Hour Flow Composite	
	REQ											
Flow 50050	SAMPLE	*****	66	Mgal	*****	2.1	2.4	mgd	once per day	Measurement, Continuous		
	VALUE					REPORT	REPORT					
	PERMIT	*****	REPORT				calendar month average		calendar month maximum	once per day	Measurement, Continuous	
	REQ		calendar month total									
pH 00400	SAMPLE	*****	*****		5.4	*****	7.6	SU	once per day	Grab		
	VALUE					REPORT	REPORT					
	PERMIT	*****	*****			calendar month minimum			calendar month maximum	once per day	Grab	
	REQ											
Phosphorus, Total (as P) 00665	SAMPLE	*****	*****		*****	3.7	*****	mg/L	3 times per week	24-Hour Flow Composite		
	VALUE					REPORT	REPORT					
	PERMIT	*****	*****				calendar month average			3 times per week	24-Hour Flow Composite	
	REQ											
Precipitation 00193	SAMPLE	*****	40	in	*****	*****	*****		once per day	Measurement		
	VALUE					*****	*****		*****			
	PERMIT	*****	REPORT							once per day	Measurement	
	REQ		calendar month total									
Solids, Total Suspended (TSS) 00530	SAMPLE	*****	*****		*****	306	503	mg/L	3 times per week	24-Hour Flow Composite		
	VALUE					REPORT	REPORT					
	PERMIT	*****	*****				calendar month average		calendar month maximum	3 times per week	24-Hour Flow Composite	
	REQ											
COMMENTS:												