



Lagoon Compliance Inspection

System Name:	<u>WADENA WASTEWATER WORKS</u>	Remote Inspection ID:	1187136
Approval No:	<u>00003544-04-00</u>	Population:	<u>1288</u>
Date:	<u>09-SEP-2021 10:30</u>		
Announced:	<u>No</u>	Person Interviewed:	<u>NEUMAN, ALYSHIA</u>

General Section

Wastewater Treatment Type:	<u>LAGOON</u>	System Classification:	<u>ONE</u> WWT <u>ONE</u> WWC
Sewage Categorization:	<u>MUNICIPAL</u>	Discharge Easement:	<u>Yes</u>
Collection Type:	<u>GRAVITY</u>		
Comments:			
<p>THE TOWN HAD THE INTER CELL TRANSFER VALVE OPEN TODAY TO ALLEVIATE THE PRIMARY. THERE WAS STILL 3 FT OF FREEBOARD IN THE PRIMARY AND NOW THE TOWN WON'T HAVE 180 DAYS OF STORAGE FOR THE SECONDARY FOR ALL OF THE WASTEWATER PRIOR TO DISCHARGE THIS FALL</p>			

Contacts

Name	Position	Phone / Fax	Email
NEUMAN, ALYSHIA	MANAGER	Business: (306) 338-7572	N/A
ZUBOT, MARSHALL	OPERATOR	Cell: (306) 230-4111	N/A
RUDOLPH, LAURIE	ADMINISTRATOR	Business: (306) 338-2145	WADADMIN@SASKTEL.NET
Complaints:			
NONE			

Operator Certification Section

Operator Name	Certification Levels		Expiry Date	Operator is a Supervisor
	Wastewater	Wastewater		

	Collection	Treatment		
NEUMAN, ALYSHIA	TWO	TWO	15-JUN-2023	Yes
ZUBOT, MARSHALL	NONE	NONE	30-OCT-2020	No

Discharge Area

Discharge Type:	<u>INTERMITTENT</u>
Disinfection:	No
Effluent Treatment:	<u>FACULTATIVE LAGOON</u>
Discharge Area:	<u>STREAM</u>
Land Use in Receiving Area:	<u>AG LAND AND MARSH AREA</u>
Nearest Residence:	<u>>500M</u>
Latitude:	<u>515356</u>
Longitude:	<u>-1035041.9</u>
Discharge Area Comments:	

Sludge Handling

Final Sludge Disposal:	<u>N/A</u>
Final Sludge Handling:	<u>N/A</u>
Comments:	

Pumping Stations

Total Pumping Stations: 2

Pumping Station #	Number of			Mechanical Ventilation	Type of Exhaust	By-Pass			Potable Water Outlet	Adequate Backflow Protection	Backup Power
	Pumps	Wet Wells	Dry Wells			Works	Date	Reported			
3	1	1	0	N	N/A	N	N/A	N	N	N	N
1	2	1	1	Y	FORCED DRAFT	N	N/A	N	Y	Y	N
2	2	1	0	N	N/A	N	N/A	N	N	N	N

Lagoons

Total Storage Cells: 1

Total Treatment Cells: 1

Cell Number	Cell Type	Freeboard Estimate (m)	Odour	Liquid Color	Dyke Condition	Seepage
1	TREATMENT	1	NONE	GREEN	FAIR	NONE EVIDENT
2	STORAGE	1.5	NONE	MEDIUM GREEN	FAIR	NONE EVIDENT

Lagoon Discharge

Cell Number	Date Started	Date Finished	Starting Freeboard (m)	Ending Freeboard (m)	Volume Discharged (m ³)
2	28-APR-2020 00:00	15-JUN-2020 00:00	0	N/A	N/A
2	04-SEP-2020 00:00	28-SEP-2020 00:00	1.15	1.75	N/A
2	03-MAY-2021 11:38	18-MAY-2021 11:38	0	N/A	N/A

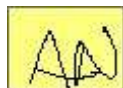
Regulatory Section**C=Compliant NC=Non-Compliant N/A=Not Applicable**

C	NC	NA	General	Comments
X			Approved system EMPA2010 24(1)	
X			Certified operator WWSW 62	
X			No interconnection between sanitary sewer and storm sewer WWSW 7	
X			Emergency response plan in place (if required by permit) EMPA2010 29(1)	THE DIRECTOR WILL WORK ON AN ERP. STILL IN DEVELOPMENT
			Sewage Pumping Stations	
X			Pumping stations must have mechanically forced air ventilation WWSW 8(1)	
	X		All water outlets that may come into contact with a waste must be equipped with a backflow device WWSW 8(2)	AS PER THE LAST COMMENT REGARDING THE BACKFLOW PREVENTION THE TOWN MUST INSTALL A TESTABLE REDUCED PRESSURE ZONE BACKFLOW PREVENTER ON THE WATER SERVICE IN THE MAIN LIFT STATION.
			Lagoons	
X			Lagoon cells inspected on frequency as specified in permit EMPA2010 29(1)	REQUIRED AT LEAST TWICE PER YEAR. THE OPERATORS ARE GOING OUT TO THE LAGOON WEEKLY.
X			Inter cell transfer valve closed prior to discharge EMPA2010 29(1)	
X			Lagoon discharged after spring runoff and before November 1st EMPA2010 29(1)	
X			Notification of downstream affected landowners prior to discharge EMPA2010 29(1)	
			Facultative Lagoon	
X			Two basins in series WWSW 12	
X			Lagoon design standards WWSW 12 & Table 2	
			Wastewater Effluent Standards	
		X	Effluent discharged to fish bearing waters achieves performance standards WWSW 11(3)(a)(b)(c)(d)(e)(f) (BOD < or = 30 mg/L) (CBOD < or = 25 mg/L) (TSS < or = 25 mg/L)	NOT CAPTURED BY WSER

			(NH ₃ < 1.25 mg/L) (Cl ₂ < or = 0.02 mg/L) Not acutely toxic to fish	
			Effluent achieves standards set out in permittee's permit (All effluent discharges - fish bearing or non-fish bearing) WWSW 11(1), 11(3)(g) and EMPA 29(1)	
			Reporting	
X			Immediate reporting of upset/bypass condition WWSW 13(2)	NO UPSETS REPORTED SINCE THE LAST INSPECTION.
		X	Immediate reporting of failure of disinfection equipment WWSW 14(2)(a)	
		X	Immediate reporting of inadequate disinfection levels WWSW 14(2)(b)	
			Disinfection	
		X	Disinfection performed as per permit WWSW 14(1)	
			Records	
X			Maintenance work & failure of treatment components WWSW 15(a)(i)	
X			Types, dosages and total amounts of chemicals or other substances added WWSW 15(a)(ii)	ACTIZYME AND DEGREASER. AMOUNTS ADDED ARE RECORDED AT THE LIFT STATION.
	X		Dates of discharge of treated effluent and volumes of discharge WWSW 15(a)(iii)	THE FREEBOARD ESTIMATES ARE NOT ACCURATE AND IN SOME CASES NON EXISTENT. DISCUSSED WITH MANAGER.
X			Locations from which samples are taken WWSW 15(a)(iv)	
X			Results of any tests WWSW 15(a)(v)	
X			Site inspection as required by permit EMPA2010 29(1)	
X			Records maintained in appropriate manner: (chronological/factual/initialed/done by permittee) EMPA2010 29(1)	
X			Monthly or annual review of records by permittee EMPA2010 29(1)	
			Testing	
X			On-site testing completed as required (see permit) EMPA2010 29(1)	STATION #SK05MA0046 - WADENA FINAL SEWAGE EFFLUENT SECONDARY LAGOON STATION #SK05MA0047 - MILLIGAN CREEK - 500M DOWNSTREAM OF DRAINAGE DITCH AT NW1-34-14 W2M STATION #SK05MA0044 - MILLIGAN CREEK - 500M UPSTREAM OF DRAINAGE DITCH AT NW1- 34-14 W2M
X			Sampling done as required (see permit) EMPA2010 29(1)	SAMPLES CONDUCTED THIS YEAR AS REQUIRED.
X			Accredited lab used for analysis EMPA2010 29(1)	



(Operator/Supervisor Signature)



Agree with statements

A handwritten signature in black ink on a yellow background. The signature is cursive and appears to be "L. M. S." followed by a long horizontal stroke.

(EPO Signature)