



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>	Person Interviewed:	<u>NEUMAN, ALYSHIA</u>
Announced:	<u>No</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:						
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						

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

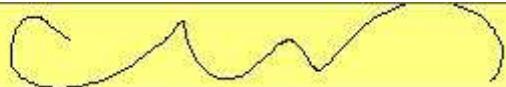
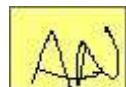
Cell Number	Date Started	Date Finished	Starting Freeboard (m)	Ending Freeboard (m)	Volume Discharged (m ³)
2	28-APR-2020 00:00	15-JUN-2020 00:00	0	N/A	N/A
2	04-SEP-2020 00:00	28-SEP-2020 00:00	1.15	1.75	N/A
2	03-MAY-2021 11:38	18-MAY-2021 11:38	0	N/A	N/A

Regulatory Section

C=Compliant NC=Non-Compliant N/A=Not Applicable

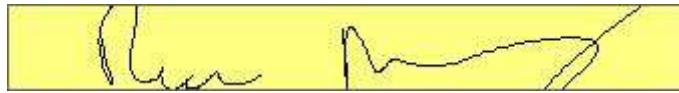
C	NC	NA	General	Comments
X			Approved system EMPA2010 24(1)	
X			Certified operator WWSW 62	
X			No interconnection between sanitary sewer and storm sewer WWSW 7	
X			Emergency response plan in place (if required by permit) EMPA2010 29(1)	THE DIRECTOR WILL WORK ON AN ERP. STILL IN DEVELOPMENT
Sewage 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

		(NH3 < 1.25 mg/L) (Cl2 < or = 0.02 mg/L) Not acutely toxic to fish	
		Effluent achieves standards set out in 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)	

Agree with statements

(Operator/Supervisor Signature)



(EPO Signature)