



2323 Fourth Street, PO Box 483 Peru, IL 61354
Phone: 815-224-1650 Toll Free: 800-659-4659

www.testinc.com

September 20, 2023

Client: Village of Capron
Attn: Mayor Steve Bank
250 W. Main St.
Capron, IL 61012

Email: vcapronclerk@gmail.com

WW Plant Type: Activated sludge /SBR

Number of Site Inspections: 3 times per week by Certified Operator

Listed below are this month's analyses (based on average of 4 sampling events):

August Wastewater Analyses

	Influent	Effluent
BOD, 50day, mg/l	161.4	4.6
Total Suspended Solids, mg/l	208.8	10.2
pH, S.U. (max)		7.602
Ammonia Nitrogen, mg/l		0.155
Dissolved Oxygen, mg/l (min)		8.756
Chlorine		
Fecal Coliform, #/100		TNTC

Plant Improvements

1. New wasting pumps have been installed and are working as they should.
2. All lead and copper samples have been completed and all samples were well within limits.
3. Hydrant flushing has been completed.
4. All required lab testing has been completed.
5. We had a chemical pump head go bad at well 3. The new parts were purchased, and we repaired the pump.
6. We had issues with an automatic valve. Jason and I looked into the issues and reset the valve. It's been working well.
7. We are getting the plants into winter operation to ensure we don't have any issues with the cold weather. We have been making small steps every year to combat freezing issues and it seems to be helping.

Please notify TEST immediately when problems occur.

All operations and plant inspections have been performed by me or under my direct supervision. If you have any questions concerning the above, please do not hesitate to contact me.

Submitted by,
Total Environmental Service Technologies, Inc.

VILLAGE OF CARBON
FOR THE MONTH OF August 2023 MONTHLY OPERATING REPORT
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF PUBLIC WATER SUPPLIES

IL0070100

Date	Time	Flow Meter		Hour Meter Well 2	Chlorine Feed		Phosphate Feed		Fluoride Feed		Operator Initials
		Reading	Pumpage	Reading	Scale	Total	Scale	lbs Used	PO4 mg/L	Scale	lbs Used
31-Jul	08:00	523772	78	1973.8	387.20	1.80	126.2	2.80	1.24	265.80	0.4
1-Aug	08:00	523852	78	1976.3	364.40	1.56	123.3	2.80	1.33	265.40	0.4
2-Aug	08:00	523930	80	1978.6	342.10	1.48	120.5	2.9	0.75	265.00	0.4
3-Aug	08:00	524010	82	1981	326.30	1.41	117.6	2.70	0.89	264.60	0.4
4-Aug	08:00	524092	78	1983.5	306.00	1.32	114.9	2.60	0.99	264.20	0.6
5-Aug	08:00	524170	33	1985.8	283.50	0.5	112.3	1.10	1.22	263.80	0.3
6-Aug	08:00	524203	92	1986.8	283.00	0.98	111.2	3.00	1.17	263.50	0.4
7-Aug	08:00	524295	35	1989.6	248.7622	5.8	108.22534	1.20	0.73	263.10	0.2
8-Aug	08:00	524330	72	1990.6	616.20	19.3	352.2	2.30	1.23	262.90	0.4
9-Aug	08:00	524402	78	1992.8	596.90	24.6	349.9	2.60	0.89	262.50	0.5
10-Aug	08:00	524480	62	1995.2	572.30	22.1	347.3	2.10	0.96	262.00	0.3
11-Aug	08:00	524542	49	1997.1	550.20	3.3	345.2	1.60	1.01	261.70	0.2
12-Aug	08:00	524591	33	1998.5	546.90	4.1	343.6	1.00	1.11	261.50	0.2
13-Aug	08:00	524624	57	1999.5	542.80	15.0	342.6	1.90	0.98	261.30	0.4
14-Aug	08:00	524681	94	2001.2	527.80	24.3	340.7	2.90	1.05	260.90	0.7
15-Aug	08:00	524775	35	2004.1	503.50	12.1	337.8	0.90	0.74	260.20	0.1
16-Aug	08:00	524810	115	2005.2	491.40	29.9	336.9	3.40	0.87	260.10	0.4
17-Aug	08:00	524925	76	2008.6	461.50	21.6	333.5	0.00	1.05	259.50	0.5
18-Aug	08:00	525001	78	2011.1	439.90	20.7	331.1	2.30	0.92	259.20	0.3
19-Aug	08:00	525079	36	2013.3	419.20	10.4	328.8	1.00	1.01	258.70	0.1
20-Aug	08:00	525115	122	2014.4	408.80	37.6	327.8	3.40	0.81	258.60	0.0
21-Aug	08:00	525237	73	2018.1	371.20	23.3	324.4	2.20	0.90	257.90	0.4
22-Aug	08:00	525310	82	2020.3	347.90	21.7	322.2	2.50	1.07	257.50	0.4
23-Aug	08:00	525392	92	2022.8	326.20	26.4	319.7	2.80	0.89	257.10	0.4
24-Aug	08:00	525484	43	2025.6	299.80	12.8	316.9	1.30	0.69	256.70	0.2
25-Aug	08:00	525527	68	2026.9	287.00	20.0	315.6	2.10	0.85	256.50	0.5
26-Aug	08:00	525595	33	2029	267.00	9.6	313.5	1.20	0.81	256.00	0.4
27-Aug	08:00	525628	78	2030	257.40	18.9	312.3	2.50	0.79	255.60	0.4
28-Aug	08:00	525706	43	2032.3	238.50	9.3	309.8	1.20	0.79	255.20	0.2
29-Aug	08:00	525749	69	2033.6	229.20	6.4	308.6	2.30	0.81	255.00	0.3
30-Aug	08:00	525818	76	2035.7	222.80	14.6	306.3	2.80	0.83	254.70	0.5
31-Aug	08:00	525894	94	2038	208.10	4.4	302.5	2.00	0.88	254.20	0.4
1-Sep	08:00	525988		2040.8	203.76084	1.59	300.5		1.19	253.80	Mph
TOT					0.00						
AVE						58.94			28.55		
MAX						1.96			0.95		
MIN						2.50			1.33		
			33			0.98			0.69		

SIGNATURE: _____
PHONE: 815-560-7399

Jon Stear

VILLAGE OF CAPRON IL0070100
 FOR THE MONTH OF August 2023 MONTHLY OPERATI
 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
 DIVISION OF PUBLIC WATER SUPPLIES

Date	Site #	Distribution		Operator Initials
		Free Cl ₂	Total Cl ₂	
1	CASEYS	0.91	0.75	
2	155 Shadowbrook dr	0.92	0.84	
3	WWTP	0.94	0.87	
4	CASEYS	0.91	0.88	
5				
6				
7	CASEYS	0.99	1.00	
8	155 Shadowbrook dr	1.19	0.95	
9	CASEYS	1.08	0.21	
10	Village Hall	1.12	1.01	
11	Casey's	0.92	1.06	Mjh
12				
13				
14	155 Shadowbrook dr	0.81	0.99	
15	CASEYS	0.70	0.97	
16	Public works	0.89	0.91	
17	CASEYS	1.08	0.95	
18	Public works	1.12	0.99	Mjh
19				
20				
21	Village Hall	1.80	0.66	
22	Casey's	0.84	0.91	
23	WWTP	1.48	0.78	
24	CASEYS	0.49	1.01	
25	155 Shadowbrook dr	1.11	0.73	
26				
27				
28	155 Shadowbrook dr	1.18	0.80	
29	CASEYS	1.25	0.95	
30	WWTP	1.14	0.73	
31	CASEYS	1.30	0.88	
1	Casey's	0.91	1.08	

Signature: 
 PHONE: 815-560-7399

Jon Stear

Village of Capron

IL0070100

Water Treatment & Distribution

MONTHLY OPERATING REPORT

Daily Fluoride Analysis

Month: August		Year: 2023					
Date:	Slope	mg/L Stand	Well 3	Well 2	Diet	Initial	Run date
1	116%		0.64	2		Dh	8/7/2023
2	116%		0.66	0.61		Dh	8/7/2023
3	116%		0.65	0.7		Dh	8/7/2023
4	116%		0.65	0.7		Dh	8/7/2023
5	116%		0.6	0.7		Dh	8/7/2023
6	116%		0.61	0.48		Dh	8/7/2023
7	116%		0.54	1.6		Dh	8/7/2023
8	113%		0.6	0.6		Dh	8/17/2023
9	113%		0.6	0.6		Dh	8/17/2023
10	113%		0.69	1.5		Dh	8/17/2023
11	113%		0.7	0.38		Dh	8/17/2023
12	113%		0.68	0.62		Dh	8/17/2023
13	113%		0.69	0.5		Dh	8/17/2023
14	113%		0.66	0.36		Dh	8/17/2023
15	109%		0.67	0.77		Dh	8/23/2023
16	109%		0.68	0.57		Dh	8/23/2023
17	109%		0.6	0.36		Dh	8/23/2023
18	109%		0.68	0.46		Dh	8/23/2023
19	109%		0.67	2.1		Dh	8/23/2023
20	109%		0.67	0.46		Dh	8/23/2023
21	109%		0.57	0.34		Dh	8/23/2023
22	110%		0.68	0.32		Dh	8/29/2023
23	110%		0.68	0.72		Dh	8/29/2023
24	110%		0.61	1.7		Dh	8/29/2023
25	110%		0.61	0.33		Dh	8/29/2023
26	110%		0.61	0.57		Dh	8/29/2023
27	110%		0.6	0.47		Dh	8/29/2023
28	110%		0.6	0.56		Dh	8/29/2023
29	109%		0.68	0.34		DH	9/6/2023
30	109%		0.68	1.2		DH	9/6/2023
31	109%		0.68	0.34		DH	9/6/2023

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Jon Stear

LALAGE OF CAPRON
 R THE MONTH OF OF August
 2023 MONTHLY OPERATING REPORT
 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
 VISION OF PUBLIC WATER SUPPLIES

IL0070100

Date	Time	Flow Meter			Reading	Pumpage	Hour Meter W&L3			Chlorine Feed			Dissolved Feed			Fluoride Feed			Operator
		Reading	Pumpage	Reading	Hours	Scale	lbs Used	Total	Scale	lbs Used	PO4 mg/L	Scale	lbs Used	mg/L	Scale	lbs Used	mg/L	Initial	
31-Jul	08:15	4362272		1548.8		399.70		1.19	170.9		1.21	291.20							JH
1-Aug	08:15	43658912	41536	1549.9	1.3	391.50	9.0	1.23	168.7	2.60	0.98	290.80	0.6						JH
2-Aug	08:15	43700448	36640	1551.2	1.1	382.50	7.9	1.17	166.1	0.00	1.20	290.20	0.5						JH
3-Aug	08:15	43737088	32356	1552.3	1.1	374.60	6.9	1.15	166.1	2.20	1.30	289.70	0.5						JH
4-Aug	08:15	43769444	36424	1553.4	1	367.70	8.3	1.08	163.9	2.20	1.15	289.20	0.5						JH
5-Aug	08:15	43805868	35700	1554.4	1	359.40	7.5	1.22	161.7	2.00	1.10	288.70	0.4						JH
6-Aug	08:15	43841568	27340	1555.4	1	351.90	6.1	1.19	159.7	1.70	1.22	288.30	0.4						JH
7-Aug	08:15	43868908	37468	1556.4	1.1	345.8/600.4	9.1	0.92	158/401.7	2.50	1.08	287.90	0.5						JH
8-Aug	08:15	43906376	39996	1557.5	1.2	591.30	8.2	1.55	399.2	2.30	0.83	287.40	0.6						JH
9-Aug	08:15	43946372	32551	1558.7	1.1	583.10	9.3	1.11	396.9	2.20	1.22	286.80	0.6						JH
10-Aug	08:15	43978923	42473	1559.8	1.3	573.80	7.5	1.34	394.7	2.10	1.15	286.20	0.4						JH
11-Aug	08:15	44021396	36036	1561.1	1	566.30	7.1	1.27	392.6	2.30	1.16	285.80	0.6						JH
12-Aug	08:15	44057432	37628	1562.1	1.2	559.20	6.9	0.98	390.3	2.00	1.05	285.20	0.5						JH
13-Aug	08:15	44095060	41032	1563.3	1.2	552.30	8.1	1.07	388.3	2.30	0.91	284.70	0.6						JH
14-Aug	08:15	44136112	39768	1564.5	1.3	544.20	7.2	0.91	386	2.30	1.11	284.10	0.5						JH
15-Aug	08:15	44175880	37376	1565.8	1.1	537.00	7.1	0.86	383.7	2.20	0.99	283.60	0.5						JH
16-Aug	08:15	44213256	41604	1566.9	1.1	529.90	10.0	0.87	381.5	2.50	1.13	283.10	0.4						JH
17-Aug	08:15	44254860	35000	1568	1.2	519.90	11.0	0.00	379	1.50	0.98	282.70	0.6						JH
18-Aug	08:15	44289860	36492	1569.2	1.2	508.90	26.3	0.74	377.1	2.00	1.07	282.10	0.5						JH
19-Aug	08:15	44326332	37400	1570.4	1.1	482.60	16.3	0.50	375.1	2.40	1.31	281.60	0.3						JH
20-Aug	08:15	44363752	38720	1571.5	1.2	466.30	14.5	2.43	372.7	2.20	1.03	281.30	0.5						JH
21-Aug	08:15	44402472	37376	1572.7	1.2	451.80	12.0	2.69	370.5	2.40	0.89	280.80	0.4						JH
22-Aug	08:15	44439848	38960	1573.9	1.1	439.80	14.5	1.26	368.1	2.30	1.14	280.40	0.4						JH
23-Aug	08:15	44478808	22836	1575	0.7	425.30	7.5	0.99	365.8	1.20	1.10	280.00	0.2						JH
24-Aug	08:15	44501644	37416	1575.7	1.2	417.80	13.0	1.94	364.6	2.10	0.78	279.80	0.6						JH
25-Aug	08:15	44539060	37172	1576.9	1.1	404.80	13.2	2.43	362.5	2.10	0.72	279.20	0.5						JH
26-Aug	08:15	44576232	35708	1578	1.1	391.60	12.5	2.09	360.4	2.00	0.80	278.70	0.6						JH
27-Aug	08:15	44611940	37420	1579.1	1.4	379.10	13.0	2.11	358.4	2.20	0.90	278.10	0.6						JH
28-Aug	08:15	44649360	36156	1580.5	0.9	366.10	12.6	2.05	356.2	2.10	0.91	277.50	0.4						JH
29-Aug	08:15	44685516	36652	1581.4	1.1	353.50	12.9	2.44	354.1	2.30	0.80	277.10	0.6						JH
30-Aug	08:15	44722168	36744	1582.5	1.1	340.60	12.9	2.51	351.8	2.20	0.85	276.50	0.5						JH
31-Aug	08:15	44758912	21148	1583.6	0.7	327.70	7.3	2.32	349.6	0.70	1.00	276.00	0.2						JH
1-Sep	08:15	44780060		1584.3		320.4/598		2.05	348.3		1.25	275.80							JH
TOT			1063256					40.78			31.22								
Ave			36664					1.36			1.04								
MAX			42473					2.69			1.31								
MIN			22836					0.00			0.72								