

January 17, 2023



2323 Fourth Street
P.O. Box 483
Peru, Illinois 61354
815-224-1650
800-659-4659
FAX 815-224-1688
www.testinc.com

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

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):

December Wastewater Analyses

	Influent	Effluent
BOD, 50day, mg/l	224.5	<3.75
Total Suspended Solids, mg/l	263.5	6.75
pH, S.U. (max)		7.2775
Ammonia Nitrogen, mg/l		0.1155
Dissolved Oxygen, mg/l (min)		9.24
Chlorine		
Fecal Coliform, #/100		

Plant Improvements

1. We received one of our new wastewater lift station pumps for the plant. The other is not far behind. We have installed it and it works good. We removed the big pump from there and put it back in storage where we keep it. We bought a cheap shed to build an enclosure around some valves that keep freezing to insure they're going to keep working.

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.

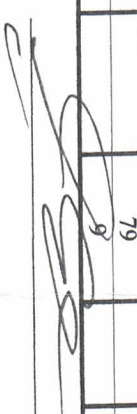
Submitted by,
Total Environmental Service Technologies, Inc.

Ion Stear
Manager

Ion
JM

VILLAGE OF CAPRON IL0070100
 FOR THE MONTH OF Dec. 2022 MONTHLY OPERATING REPORT
 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
 DIVISION OF PUBLIC WATER SUPPLIES

Date	Time	Flow Meter		Hour Meter Well 2		Chlorine Feed			Phosphate Feed			Fluoride Feed		Operator Initials
		Reading	Pumpage	Reading	Hours	Scale	lbs Used	Total	Scale	lbs Used	PO4 mg/L	Scale	lbs Used	
30-Nov	08:00	509791		1555.5		623.00		1.28	309.3		1.13	285.80		JH
1-Dec	08:00	509895	77	1558.6	2.4	604.70	15.6	1.68	307.2	1.80	1.49	285.30	0.4	JH
2-Dec	08:00	509972	36	1561	1	588.40	9.0	1.46	305.5	0.70	1.05	284.90	0.2	JH
3-Dec	08:00	510008	35	1562	1.1	579.40	7.0	1.55	304.8	0.80	1.03	284.70	0.3	JH
4-Dec	08:00	510043	79	1563.1	2.4	572.40	17.4	1.35	304	1.70	1.10	284.40	0.4	JH
5-Dec	08:00	510122	36	1565.5	1.1	555.00	8.3	1.36	302.3	0.70	0.77	284.00	0.2	JH
6-Dec	08:00	510158	75	1566.6	2.2	546.70	16.8	1.31	301.6	1.60	1.13	283.80	0.4	JH
7-Dec	08:00	510233	38	1568.8	1.2	529.90	9.0	1.26	300	0.80	0.26	283.40	0.2	JH
8-Dec	08:00	510271	77	1570	2.3	520.90	16.4	1.36	299.2	0.70	0.52	283.20	0.4	JH
9-Dec	08:00	510348	34	1572.3	1	504.50	7.4	1.53	298.5	1.70	1.12	282.80	0.1	JH
10-Dec	08:00	510382	35	1573.3	1.1	497.10	8.2	2.17	296.8	0.80	0.97	282.70	0.2	JH
11-Dec	08:00	510417	38	1574.4	1.1	488.90	8.2	2.00	296	0.90	0.80	282.50	0.2	JH
12-Dec	08:00	510455	62	1575.5	1.9	480.70	13.6	1.16	295.1	1.30	0.63	282.30	0.4	JH
13-Dec	08:00	510517	77	1577.4	2.3	467.10	17.3	1.33	293.8	1.60	0.49	281.90	0.4	JH
14-Dec	08:00	510594	37	1579.7	1.1	449.80	9.0	1.64	292.2	0.80	0.36	281.50	0.2	JH
15-Dec	08:00	510631	36	1580.8	1.1	440.80	8.4	1.41	291.4	0.80	0.82	281.30	0.2	JH
16-Dec	08:00	510667	40	1581.9	1.2	432.40	12.7	1.52	290.6	0.80	0.84	281.10	0.3	JH
17-Dec	08:00	510707	37	1583.1	1.1	419.70	12.3	1.83	289.8	0.90	0.75	280.80	0.2	JH
18-Dec	08:00	510744	40	1584.2	1.2	407.40	11.3	1.75	288.9	0.90	0.86	280.60	0.3	JH
19-Dec	08:00	510784	34	1585.4	1.6	396.10	8.1	1.26	288	2.20	0.40	280.30	0.1	JH
20-Dec	08:00	510828	78	1587	1.9	388.00	19.9	1.90	285.8	2.30	0.60	280.20	0.4	JH
21-Dec	08:00	510900	56	1588.9	1.7	368.10	9.7	1.38	283.5	1.60	0.57	279.80	0.2	JH
22-Dec	08:00	510956	73	1590.6	2.2	358.40	21.4	0.00	281.9	2.50	0.00	279.60	0.7	JH
23-Dec	08:00	511029	35	1592.8	1	337.00	8.1	2.17	279.4	1.00	0.58	278.90	0.2	JH
24-Dec	08:00	511064	9	1593.8	0.2	328.90	1.5	1.85	278.4	0.20	0.58	278.70	0.0	JH
25-Dec	08:00	511075	24	1594	0.9	327.40	6.6	2.00	278.2	0.70	0.81	278.70	0.0	JH
26-Dec	08:00	511099	41	1594.9	1.2	320.80	9.0	1.95	277.5	1.30	0.70	278.70	0.2	JH
27-Dec	08:00	511140	37	1596.1	1.1	311.80	5.8	1.45	276.2	0.90	0.66	278.50	0.1	JH
28-Dec	08:00	511177	72	1597.2	2.1	306.00	13.1	1.41	275.3	1.80	0.47	278.40	0.2	JH
29-Dec	08:00	511248	42	1599.3	1.2	292.90	8.4	1.36	273.5	1.00	0.55	278.20	0.1	JH
30-Dec	08:00	511286	74	1600.5	2.2	284.50	22.9	1.45	272.5	2.50	0.29	278.10	0.6	JH
31-Dec	08:00	511360	37	1602.7	1.1	261.60	6.3	1.65	270	1.10	1.35	277.50	0.1	JH
1-Jan	08:00	511397		1603.8		255.30		1.39	268.9		1.22	277.40		JH
TOT			1464					50.17			24.90			
AVE			49					1.52			0.75			
MAX			79					2.17			1.49			
MIN			9					0.00			0.00			

SIGNATURE:  Ion Shear
 PHONE: 815-560-7399

ILLAGE OF CAPRON
FOR THE MONTH OF Dec. 2022 MONTHLY OPERATING REPORT
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF PUBLIC WATER SUPPLIES

Date	Time	Flow Meter		Hour Meter Well 3		Chlorine Feed			Phosphate Feed			Flouride Feed		Operator
		Reading	Pumpage	Reading	Hours	Scale	Lbs Used	Total	Scale	Lbs Used	PO4 mg/L	Scale	Lbs Used	Initials
1/30//2022	08:15	35029968		1287.9	0	586.30		1.55	356.2		1.26	297.20		JH
1-Dec	08:15	35066788	9676	1289	0.3	576.00	2.4	1.52	354.3	0.40	1.75	296.70	0.0	JH
2-Dec	08:15	35076464	38492	1289.3	1.2	573.40	10.5	0.99	353.9	1.90	0.72	296.70	0.5	JH
3-Dec	08:15	35114956	36996	1290.5	1.1	562.90	10.2	1.70	352	2.30	1.55	296.20	0.6	JH
4-Dec	08:15	35151952	37136	1291.6	1.1	552.70	10.4	1.55	349.7	1.80	1.56	295.60	0.3	JH
5-Dec	08:15	35189088	35780	1292.7	1.1	542.30	9.9	1.53	347.9	1.60	1.53	295.30	0.3	JH
6-Dec	08:15	35224868	37664	1293.8	1.2	532.40	10.3	1.49	346.3	0.50	1.68	295.00	0.5	JH
7-Dec	08:15	35262532	35528	1295	1.1	522.10	9.5	1.34	345.8	1.40	1.36	294.50	0.4	JH
8-Dec	08:15	35298060	41248	1296.1	1.2	512.60	11.1	1.35	344.4	1.80	1.18	294.10	0.4	JH
9-Dec	08:15	35339308	36096	1297.3	1.1	501.50	9.9	1.58	342.6	1.40	1.00	293.70	0.3	JH
10-Dec	08:15	35375404	36004	1298.4	1.1	491.60	9.5	2.00	341.2	1.40	0.72	293.40	0.4	JH
11-Dec	08:15	35411408	35488	1299.5	1.1	482.10	9.7	2.00	339.8	0.00	0.85	293.00	0.4	JH
12-Dec	08:15	35446896	48164	1300.6	1.5	472.40	13.0	1.23	339.8	0.90	0.40	292.60	0.5	JH
13-Dec	08:15	35495060	0	1302.1	0	459.40	0.0	1.51	338.9	0.00	0.85	292.10	0.0	JH
14-Dec	08:15	35495060	39748	1302.1	1.2	459.40	10.6	1.43	338.9	2.00	0.37	292.10	0.6	JH
15-Dec	08:15	35534808	38256	1303.3	1.1	448.80	10.2	1.37	336.9	1.90	1.02	291.50	0.5	JH
16-Dec	08:15	35573064	34112	1304.4	1.1	438.60	8.9	1.47	335	1.60	1.25	291.00	0.3	JH
17-Dec	08:15	35607176	33540	1305.5	1	429.70	8.9	1.34	333.4	1.90	0.94	290.70	0.3	JH
18-Dec	08:15	35640716	36884	1306.5	1.1	420.80	10.0	1.38	331.5	2.00	1.20	290.40	0.3	JH
19-Dec	08:15	35677600	35656	1307.6	1.1	410.80	10.2	1.26	329.5	1.70	0.98	290.10	0.4	JH
20-Dec	08:15	35713256	36364	1308.7	1.1	401.60	9.5	1.35	327.8	1.90	1.90	289.70	0.5	JH
21-Dec	08:15	35749620	22976	1309.8	0.7	391.90	5.8	1.24	325.9	1.30	0.72	289.20	0.1	JH
22-Dec	08:15	35772596	35932	1310.5	1.1	386.10	9.6	1.33	324.6	2.00	0.78	289.10	0.4	JH
23-Dec	08:15	35808528	35888	1311.6	1.1	376.50	9.5	1.87	322.6	1.70	1.09	288.70	0.5	JH
24-Dec	08:15	35844416	35876	1312.7	1.1	367.00	9.5	1.72	320.9	1.80	0.77	288.20	0.4	JH
25-Dec	08:15	35880292	34712	1313.8	1	357.50	9.5	1.66	319.1	1.50	0.91	287.80	0.3	JH
26-Dec	08:15	35915004	35980	1314.8	1.1	348.70	9.0	2.17	317.6	1.50	0.87	287.50	0.5	JH
27-Dec	08:15	35950984	36580	1315.9	1.1	339.70	9.3	1.70	316.1	1.60	0.88	287.00	0.4	JH
28-Dec	08:15	35987564	39324	1317	1.2	330.40	9.8	1.42	314.5	1.90	0.97	286.60	0.2	JH
29-Dec	08:15	36026888	36972	1318.2	1.1	320.60	9.0	1.40	312.6	1.70	0.96	286.40	0.5	JH
30-Dec	08:15	36063860	37024	1319.3	1.2	311.60	9.5	1.41	310.9	1.70	1.42	285.90	0.4	JH
31-Dec	08:15	36100884	38864	1320.5	1.1	302.10	10.0	1.67	309.2	1.80	1.50	285.50	0.5	JH
1-Jan	08:15	36139748		1321.6		292.10		1.65	307.4		0.85	285.00		JH
TOT			1034096					50.18			35.79			
AVE			34470					1.52			1.08			
MAX			48164					2.17			1.90			
MIN			0					0.99			0.37			

SIGNATURE:
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Ion Stear

VILLAGE OF CAPRON

IL0070100

FOR THE MONTH OF Dec. 2022

MONTHLY OPERATI

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

DIVISION OF PUBLIC WATER SUPPLIES

Date	Site #	Distribution			Operator Initials
		Free Cl ₂	Total Cl ₂	PO ₄	
1	Caseys		0.98	0.88	
2	WWTP		1.09	0.86	
3					
4					
5	Public Works		1.28	0.91	
6	155 shadowbrook dr		1.45	2.10	
7	WWTP		1.18	0.62	
8	Village Hall		1.10	0.88	
9	Caseys		0.96	0.86	
10					
11					
12	Caseys		1.06	0.39	
13	WWTP		0.98	0.65	
14	155 shadowbrook dr		1.25	0.25	
15	Caseys		1.15	1.51	
16	WWTP		0.99	1.00	
17					
18					
19	Caseys		1.04	0.75	
20	WWTP		0.87	0.48	
21	Caseys		0.87	1.00	
22	Village Hall		1.10	1.03	
23	WWTP		0.99	0.85	
24					
25					
26					
27	155 shadowbrook dr		1.11	0.79	
28	Caseys		1.01	0.48	
29	WWTP		0.80	0.71	
30	Caseys		1.04	0.74	
31					
1					

Signature:



Ion Stear

PHONE: 815-560-7399

Village of Capron

Water Treatment & Distribution

IL0070100

MONTHLY OPERATING REPORT

Daily Fluoride Analysis

Month: December

Year:

2022

Date:	Slope	mg/L Stand	Well 3	Well 2	Dist	Initial	Run date
1	92%		0.51	0.68		JH	12/6/2022
2	92%		0.47	0.41		JH	12/6/2022
3	92%		0.48	0.42		JH	12/6/2022
4	92%		0.45	0.35		JH	12/6/2022
5	92%		0.49	0.35		JH	12/6/2022
6	103%		0.55	0.45		JH	12/13/2022
7	103%		0.51	0.48		JH	12/13/2022
8	103%		0.55	0.41		JH	12/13/2022
9	103%		0.52	0.58		JH	12/13/2022
10	103%		0.44	0.48		JH	12/13/2022
11	103%		0.5	0.58		JH	12/13/2022
12	103%		0.53	0.44		JH	12/13/2022
13	103%		0.57	0.63		JH	12/20/2022
14	103%		0.59	1.6		JH	12/20/2022
15	103%		0.62	0.54		JH	12/20/2022
16	103%		0.57	0.48		JH	12/20/2022
17	103%		0.6	0.44		JH	12/20/2022
18	103%		0.54	0.41		JH	12/20/2022
19	103%		0.52	0.45		JH	12/20/2022
20	93%		0.49	0.91		JH	12/27/2022
21	93%		0.5	0.95		JH	12/27/2022
22	93%		0.64	0.25		JH	12/27/2022
23	93%		0.6	0.44		JH	12/27/2022
24	93%		0.5	0.42		JH	12/27/2022
25	93%		0.54	0.28		JH	12/27/2022
26	93%		0.56	0.32		JH	12/27/2022
27	98%		0.4	0.54		JH	1/3/2023
28	98%		0.52	0.51		JH	1/3/2023
29	98%		0.41	0.5		JH	1/3/2023
30	98%		0.39	0.49		JH	1/3/2023
31	98%		0.52	0.5		JH	1/3/2023

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