

**City of Kearney
Utilities Department
2020-2021
October - September
Annual Report**



**Tony Jelinek, Director of Utilities
Sarah Sawin, Assistant Director of Utilities
Theresa Baack & Kim Grotrian, Utilities Secretaries
Jonathan Reiter, GIS Coordinator
John Grimes, Water Operations/Sewer Collection Supervisor
Clint Smith, Wastewater Treatment Plant Superintendent
Steve Hart, Sanitation Supervisor
Angela Robertson, Sanitation Secretary**

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General Information

The City of Kearney Utilities Department provides water, sanitary sewer and refuse collection services to the citizens of Kearney. Residents receive monthly bills for these services. The Utilities Department also manages the Kearney Area Solid Waste Agency Landfill. The Utilities Department operates as an enterprise fund. The rates charged provide all the revenue necessary to operate the Utilities Department. No Tax Money Assists These Funds.

For more information contact any of the following City offices:

Utility Billing	(308)233-3240
Landfill Billing	(308)233-3617
Sanitation Supervisor	(308)233-3206
Water Operations Supervisor	(308)233-3242
Water Quality/Utilities Coordinator	(308)233-3258
Sanitary Sewer Collection	(308)233-3242
Director of Utilities	(308)233-3259
Assistant Director of Utilities	(308)233-3238
GIS Coordinator	(308)237-3312
Emergency after hours	(308)237-2104

GIS Division

Infrastructure

Layer	2020-21 # of Feature	2019-20 # of Feature	2018-19 # of Feature	2017-18 # of Feature
Fire hydrant	1,873	1,837	1,834	1,767
Water valve	4,450	4,275	4,258 *	4,510
Water pipe	7,000	6,881	6,847 *	6,923
Storm sewer manhole	906	885	866	844
Storm sewer inlet	4,812	4,746	4,727	4,654
Storm sewer pipe	5,963	5,880	5,836	5,731
Storm sewer ends & outfall	524	517	508	494
Sanitary sewer manhole	3,482	3,460	3,440	3,395
Sanitary sewer pipe	3,873	3,846	3,820	3,776
Street Centerline	2,737	2,550	2,543	2,524
Address	21,505	20,376	20,316	19,803

* Layers were restructured and "private" valves & pipes were moved to a new layer created just for private infrastructure

Land Base

	2020-21	2019-20	2018-19	2017-18	2016-17	Total Features
Annexations	5	2	4	9	4	347
Subdivision	20	13	16	23	21	901
Zoning	16	19	18	24	20	1,260
Vacation	13	13	13	27	22	1,409
Minor subdivision	28	26	16	22	14	1,209

Area of City

End of Year	Square Feet	Acres	Square Miles
2021	424,231,658	9,739.01	15.21
2020	414,384,278	9,512.95	14.86
2019	413,974,701	9,480.72	14.84
2018	412,104,600	9,460.62	14.78
2017	400,860,596	9,202.49	14.38
2016	398,800,762	9,155.21	14.31
2015	396,386,458	9,099.78	14.22
2014	392,986,010	9,021.72	14.10
2013	383,123,209	8,795.30	13.74
2012	371,899,568	8,537.64	13.34
2011	370,312,435	8,501.20	13.28
2010	369,141,084	8,474.31	13.24
2009	362,752,535	8,327.65	13.01
2008	352,643,966	8,095.59	12.65
2007	350,184,402	8,039.13	12.56

Residential Lots Available

	Oct. 2021	Oct. 2020	Oct. 2019	Oct. 2018	Oct. 2017
Platted inside City limits with City water/sanitary sewer	364	319	414	479	488
Platted inside City limits with no City water/sanitary sewer	96	126	166	95	140
Platted outside City limits with no City water/sanitary sewer	171	158	181	146	157

Kearney Area Solid Waste Agency Landfill

Waste Received by Type

	2020-21 Annual Total	2020-21 Monthly Average	2019-20 Annual Total	2019-20 Monthly Average
Construction demolition (tons)	20,894.17	1,741.2	23,410.19	1,950.8
Compacted waste (tons)	31,991	2,665.9	30,722.25	2,560.2
Total waste (tons)	57,903.3	4,825.3	64,349.34	5,362.4
Total number of vehicles	60,292	5,024	56,133	4,677.8

Sanitation Division

	2020-21 Annual Total	2020-21 Monthly Average	2019-20 Annual Total	2018-19 Annual Total
Refuse containers placed for new homes	294	24.5	157	91
Recycling containers delivered	382	31.8	378	401
Refuse collected (tons) **	20,454.96	1,704.6	19,919.95	20,375

** Roll-off box tonnage not included in total

Processed Recyclables

	2020-21 Annual Total	2020-21 Monthly Average	2019-20 Annual Total	2018-19 Annual Total
Office paper (ton)	29.6	2.5	36.2	33.5
Newspaper (ton)	585.9	48.8	695.18	731.2
Aluminum (ton)	31.5	2.6	25.17	22.9
Tin (ton)	78.5	6.5	56.5	59.3
Glass (ton)	199.8	16.7	189.4	185.6
Plastic (ton)	224.4	18.7	210.8	226.4
Cardboard (ton)	2,627.8	219	2,531.33	2,503.6
Total recycled (tons)	3,777.5	314.8	3,744.6	3,762.5
Motor oil (gallons)	11,520	960	11,015	10,036
Recycling revenue	\$346,288.48	\$285,857.37	\$174,466.43	\$105,646
Landfill avoidance savings	\$103,881.25	\$8,656.77	\$102,976.50	\$103,468
Total value of recyclables	\$450,169.73	\$37,514.14	\$277,442.93	\$209,114

Water Quality/Utilities Coordinator

	2020-21 Annual Total	2019-20 Annual Total	2018-19 Annual Total	2017-18 Annual Total
Lawn sprinkler system inspection	81	71	127	160
Backflow inspection	95	93	140	170
Backflow test reports filed	584	555	574	526
“Diggers Hot Line” locate	5,760	4,680	4,782	5,241

Sewer Collection Division

	2020-21 Annual Total	2019-20 Annual Total	2018-19 Annual Total	2017-18 Annual Total
Sanitary sewer main cleaned (feet)	119,101	148,150	151,437	201,334
Sanitary sewer call responded	75	47	74	92
Sanitary sewer service line blocked, resident responsibility	63	20	57	75
Sanitary sewer televised (feet)	3,000	2,500	2,500	2,500
Sanitary sewer main in system (mile)	188.493	188	186.9	185.6

Water Distribution Division

	2020-21 Annual Total	2019-20 Annual Total	2018-19 Annual Total	2017-18 Annual Total
1" water service installed	6	12	17	16
2", 4", 6" & 8" water service installed	6	6	9	13
Water service lines repaired	53	53	80	74
Lead water service replaced	7	5	3	6
Fire hydrant replaced	1	2	2	5
Water main valve replaced	13	5	3	3
Line stop installed	4	3	3	2
Water main break repaired	4	5	14	5
Fire hydrant flushed & flow tested	1,989	2,438	2,031	1,577
Fire hydrant adjusted to grade	13	11	10	12
Water main valve exercised	3,672	3,690	2,812	1,825
Fire hydrant repaired (struck by vehicles)	11	5	9	3
Fire hydrant painted	192	0	298	278
Water main in system (mile)	230.195	228	227.2	226.1
Fire hydrant in system	1,871	1,836	1,832	1,775
Water main valve in system	5,105	4,989	4,967	4,779
Water sales (gallon)	3,326,790	2,749,688	7,146,522.20	5,354,814.90
Water sales (cost)	\$10,763.80	\$9,831.60	\$17,046.39	\$16,711.51



Water sales are from contractors that use our fire hydrant meters at job sites during the year.

Water Production Division

	2020-21 Annual Total	2019-20 Annual Total	2018-19 Annual Total	2017-18 Annual Total
Total water pumped (M gal)	2,326,341	2,229,537	1,943.03	2,073.923
Average daily water demand (gal)	6,373,536.99	6,108,320.55	5,323,375.34	5,681,980.82
Total water pumped Platte River Well Field (M gal)	1,660.341	1,666.750	1,352.61	1,448.647
Total water pumped Northwest Well Field (M gallon)	666.305	563.045	564.949	626.713
High day total pumped (M gal): 6-16-21	14.749	14.643	12.402	13.101
High day total pumped Platte River Well Field (M gal): 6-16-21	10.512	11.241	8.607	9.889
High day total pumped Northwest Well Field (M gal): 6-23-21	4.540	3.631	3.864	3.524
Low day total pumped (M gal): 11-3-20	2.535	2.530	2.75	2.592
Low day total pumped Platte River Well Field (M gal): 10-28-20	2.012	1.345	1.676	2.160
Low day total pumped Northwest Well Field (M gal): 12-25-20	0.396	0.392	0.531	0.792
Total fluoride (lbs)	51,045.11	43,441.09	42,635.46	45,498.50
Total chlorine 10% solution (lbs)	388,074.42	390,390.16	324,102.04	345,932.30
Total meter in system	11,553	11,493	11,214	11,103
Biological sample taken	699	676	650	852
Fluoride sample taken	14	11	13	13
Chlorine residual sample taken	2,125	2,121	2,086	2,235
Nitrate sample taken	3	5	10	3
pH sample taken	334	335	333	365
Water temperature sample taken	378	398	389	603
Conductivity sample taken	77	72	88	288
Atrazine sample taken	0	0	0	0
TDS sample taken	667	657	666	730
SOC sample taken	11	10	16	28
VOC sample taken	50	38	36	52
THM sample taken	16	0	27	8
Radiochemistry sample taken	2	17	30	9
Arsenic sample taken	1	9	2	1



Daily Water Consumption October 2020 – March 2021 (M gal)

Date	October	November	December	January	February	March
1	8,480,000.00	4,229,000.00	4,004,000.00	3,508,000.00	4,055,000.00	3,647,000.00
2	9,460,000.00	4,403,000.00	3,733,000.00	3,872,000.00	3,470,000.00	3,599,000.00
3	8,571,000.00	4,936,000.00	3,446,000.00	3,609,000.00	3,491,000.00	3,693,000.00
4	8,115,000.00	4,484,000.00	4,261,000.00	3,682,000.00	3,622,000.00	3,661,000.00
5	10,713,000.00	5,068,000.00	3,942,000.00	3,757,000.00	3,761,000.00	3,514,000.00
6	9,809,000.00	4,258,000.00	3,917,000.00	3,682,000.00	4,134,000.00	3,548,000.00
7	11,702,000.00	4,138,000.00	3,923,000.00	3,671,000.00	3,567,000.00	3,672,000.00
8	9,658,000.00	3,834,000.00	3,725,000.00	3,625,000.00	4,202,000.00	3,565,000.00
9	10,546,000.00	3,705,000.00	3,855,000.00	3,557,000.00	3,568,000.00	3,610,000.00
10	9,095,000.00	3,249,000.00	3,353,000.00	3,893,000.00	4,195,000.00	3,543,000.00
11	8,296,000.00	3,693,000.00	3,821,000.00	3,591,000.00	3,574,000.00	3,660,000.00
12	9,928,000.00	4,013,000.00	3,257,000.00	3,780,000.00	4,201,000.00	3,741,000.00
13	8,903,000.00	3,920,000.00	3,866,000.00	3,668,000.00	3,613,000.00	3,251,000.00
14	8,816,000.00	3,539,000.00	3,682,000.00	3,679,000.00	3,992,000.00	3,588,000.00
15	7,260,000.00	3,839,000.00	3,369,000.00	3,674,000.00	4,019,000.00	3,660,000.00
16	6,862,000.00	3,679,000.00	3,796,000.00	3,584,000.00	3,896,000.00	3,586,000.00
17	6,153,000.00	3,887,000.00	3,722,000.00	3,794,000.00	3,963,000.00	3,563,000.00
18	5,140,000.00	3,897,000.00	3,374,000.00	3,632,000.00	4,201,000.00	3,805,000.00
19	5,258,000.00	4,015,000.00	3,974,000.00	3,829,000.00	3,757,000.00	3,360,000.00
20	5,208,000.00	3,691,000.00	3,585,000.00	3,666,000.00	3,813,000.00	3,529,000.00
21	5,555,000.00	3,306,000.00	3,071,000.00	3,688,000.00	3,898,000.00	3,437,000.00
22	4,370,000.00	3,890,000.00	3,310,000.00	3,659,000.00	3,810,000.00	3,673,000.00
23	3,940,000.00	3,737,000.00	3,677,000.00	3,701,000.00	3,629,000.00	3,479,000.00
24	3,553,000.00	3,317,000.00	3,644,000.00	3,659,000.00	3,695,000.00	3,396,000.00
25	3,950,000.00	3,819,000.00	3,291,000.00	3,476,000.00	3,689,000.00	3,558,000.00
26	3,484,000.00	3,195,000.00	3,346,000.00	3,642,000.00	3,605,000.00	3,402,000.00
27	3,978,000.00	3,580,000.00	3,331,000.00	3,663,000.00	3,522,000.00	3,304,000.00
28	2,789,000.00	3,343,000.00	3,582,000.00	3,661,000.00	3,773,000.00	3,540,000.00
29	3,865,000.00	3,870,000.00	3,373,000.00	3,923,000.00	X	3,911,000.00
30	4,773,000.00	2,535,000.00	3,535,000.00	3,482,000.00	X	3,248,000.00
31	3,448,000.00	X	3,560,000.00	3,867,000.00	X	3,863,000.00
Total	211,678,000.00	115,069,000.00	112,325,000.00	114,174,000.00	106,715,000.00	110,606,000.00

High daily consumption of the month = 
 Low daily consumption of the month = 

Daily Water Consumption April 2021 – September 2021 (M gal)

Date	April	May	June	July	August	September
1	3,322,000.00	5,710,000.00	5,324,000.00	10,513,000.00	10,391,000.00	10,554,000.00
2	3,961,000.00	5,963,000.00	6,317,000.00	12,690,000.00	12,393,000.00	7,794,000.00
3	3,768,000.00	5,018,000.00	7,094,000.00	11,046,000.00	10,817,000.00	7,948,000.00
4	4,064,000.00	4,832,000.00	8,954,000.00	10,785,000.00	12,215,000.00	7,182,000.00
5	4,237,000.00	5,626,000.00	8,332,000.00	13,729,000.00	10,869,000.00	7,328,000.00
6	4,825,000.00	5,675,000.00	8,575,000.00	10,299,000.00	12,602,000.00	9,339,000.00
7	3,934,000.00	6,146,000.00	11,230,000.00	9,322,000.00	9,412,000.00	9,239,000.00
8	3,904,000.00	5,399,000.00	9,591,000.00	9,676,000.00	9,099,000.00	10,747,000.00
9	4,118,000.00	4,876,000.00	11,912,000.00	9,949,000.00	11,667,000.00	9,767,000.00
10	3,818,000.00	6,231,000.00	10,571,000.00	7,812,000.00	10,960,000.00	11,286,000.00
11	3,811,000.00	5,824,000.00	11,789,000.00	8,854,000.00	12,722,000.00	10,009,000.00
12	4,438,000.00	6,808,000.00	10,926,000.00	11,634,000.00	11,090,000.00	9,605,000.00
13	3,858,000.00	6,189,000.00	11,396,000.00	8,871,000.00	12,526,000.00	11,235,000.00
14	4,305,000.00	6,004,000.00	14,171,000.00	8,871,000.00	10,440,000.00	9,464,000.00
15	3,769,000.00	5,328,000.00	12,832,000.00	7,625,000.00	10,232,000.00	11,102,000.00
16	3,729,000.00	4,885,000.00	14,749,000.00	9,425,000.00	12,821,000.00	9,652,000.00
17	3,509,000.00	5,301,000.00	14,666,000.00	7,765,000.00	11,362,000.00	10,052,000.00
18	3,563,000.00	4,422,000.00	14,655,000.00	7,417,000.00	12,453,000.00	8,490,000.00
19	3,750,000.00	5,673,000.00	11,534,000.00	8,239,000.00	11,194,000.00	9,016,000.00
20	3,742,000.00	4,630,000.00	9,324,000.00	7,934,000.00	9,918,000.00	10,488,000.00
21	3,304,000.00	6,681,000.00	12,597,000.00	10,251,000.00	8,506,000.00	8,277,000.00
22	3,721,000.00	5,847,000.00	11,912,000.00	10,067,000.00	8,467,000.00	10,377,000.00
23	3,997,000.00	6,057,000.00	14,284,000.00	12,450,000.00	11,312,000.00	9,790,000.00
24	4,314,000.00	6,472,000.00	11,248,000.00	10,649,000.00	10,558,000.00	10,459,000.00
25	4,869,000.00	5,419,000.00	11,617,000.00	8,595,000.00	12,173,000.00	8,918,000.00
26	6,894,000.00	5,669,000.00	10,300,000.00	10,319,000.00	10,551,000.00	9,887,000.00
27	5,283,000.00	4,548,000.00	10,041,000.00	10,396,000.00	11,567,000.00	11,901,000.00
28	4,656,000.00	5,307,000.00	10,310,000.00	12,358,000.00	10,209,000.00	9,675,000.00
29	4,344,000.00	4,642,000.00	8,490,000.00	11,610,000.00	8,719,000.00	9,636,000.00
30	5,844,000.00	4,131,000.00	10,380,000.00	12,394,000.00	10,473,000.00	7,139,000.00
31	X	4,949,000.00	X	9,772,000.00	9,348,000.00	X
Total	125,651,000.00	170,262,000.00	325,121,000.00	311,317,000.00	337,066,000.00	286,356,000.00

High daily consumption of the month = 
 Low daily consumption of the month = 

Microbiological Analysis of Total Coliform Analysis

	Number of Samples	Positive Coliform Samples
October 2019	40	0
November 2019	40	0
December 2019	40	0
January 2020	40	0
February 2020	40	0
March 2020	40	0
April 2020	40	0
May 2020	40	0
June 2020	40	0
July 2020	40	0
August 2020	40	0
September 2020	40	0
Total 2019-2020	480	0

Raw Water Quality

	Analysis Average
pH	7.80
Total dissolved solids	581 (TDS)
Electrical conductivity	0.97 mmho/cm
Cation/Anion	10.5 / 10.1 me/L
Sodium, Na	92 ppm
Calcium, Ca	78.7 ppm
Magnesium, Mg	27 ppm
Potassium, K	13 ppm
Total hardness, CaCO ₃	310 ppm
Nitrate, N	0.78 ppm
Sulfate, S	79 ppm
Carbonate, CO ₃	< 1.0 ppm
Bicarbonate, HCO ₃	238 ppm
Chloride, cL	42 ppm
Total alkalinity, CaCO ₃	196 ppm
Iron, Fe	< 0.01 ppm
Fluoride, F	0.86 ppm

Volatile Organic Compounds found in Raw Water

Compound	Water Results	MLC or AL
1,1,1,2-Tetrachlorethane	<RL	
1,1,1-Trichloroethane	<RL	200 µg/L
1,1,2,2-Tetrachloroethane	<RL	
1,1,2-Trichloroethane	<RL	5 µg/L
1,1-Dichloroethane	<RL	
1,1-Dichloroethene	<RL	7 µg/L
1,1-Dichloropropene	<RL	
1,2,3-Trichlorobenzene	<RL	
1,2,3-Trichloropropane	<RL	
1,2,4-Trichlorobenzene	<RL	70 µg/L
1,2,4-Trimethylbenzene	<RL	
1,2-Dichlorobenzene	<RL	600 µg/L
1,2-Dichloroethane	<RL	5 µg/L
1,2-Dibromoethane (EDB)	<RL	
1,2-Dichloropropane	<RL	5 µg/L
1,3,5-Trimethylbenzene	<RL	
1,3-Dichlorobenzene	<RL	
1,3-Dichloropropane	<RL	
1,4-Dichlorobenzene	<RL	75 µg/L
2,2-Dichloropropane	<RL	
2-Chlorotoluene	<RL	
4-Chlorotoluene	<RL	
Benzene	<RL	5 µg/L
Bromobenzene	<RL	
Bromochloromethane	<RL	
Bromodichloromethane (THM)	4.90 µg/L	
Bromoform	4.99 µg/L	
Bromomethane	<RL	
Carbon Tetrachloride	<RL	5 µg/L
Chlorobenzene	<RL	100 µg/L
Chloroethane	<RL	
Chloroform	1.35 µg/L	
Chloromethane	<RL	
Cis-1,2-Dichloroethene	<RL	70 µg/L
Cis-1,3-Dichloropropene	<RL	
Dibromochloromethane (THM)	10.5 µg/L	
1,2-Dibromo-3-chloropropane	<RL	
Dibromomethane	<RL	
Dichlorodifluoromethane	<RL	
Dichlormethane	<RL	5 µg/L
Ethylbenzene	<RL	700 µg/L
Hexachlorobutadiene	<RL	
Isopropylbenzene	<RL	
M,P-Xylenes	<RL	

Methyl-T-butyl-ether (MTBE)	<RL	
n-Butylbenzene	<RL	
n-Propylbenzene	<RL	
Naphthalene	<RL	
O-Xylene	<RL	
P-Isopropyltoluene	<RL	
Sec-Butylbenzene	<RL	
Styrene	<RL	100 µg/L
Tert-Butylbenzene	<RL	
Tetrachloroethene	<RL	5 µg/L
Toluene	<RL	1000 µg/L
Total Trihalomethanes (TTHM)	21.7 µg/L	80 µg/L
Trans-1,2-Dichloroethene	<RL	100 µg/L
Trans-1,3-Dichloropropene	<RL	
Trichloroethene	<RL	5 µg/L
Trichlorofluoromethane	<RL	
Vinyl Chloride	<RL	2 µg/L

Synthetic Organic Compounds found in Raw Water

Compound	Water Results	MLC or AL
Alachlor	<RL	2 µg/L
Aldrin	<RL	
Atrazine	<RL	3 µg/L
Benzo(a)pyrene	<RL	0.2 µg/L
Butachlor	<RL	
Butylate	<RL	
Chlorpyrifos	<RL	
Cyanazine	<RL	
Di(2-ethylhexyl)adipate	<RL	400 µg/L
Di(2-ethylhexyl)Phthalate	<RL	6 µg/L
Dieldrin	<RL	
Endrin	<RL	2 µg/L
Fonofos	<RL	
Heptachlor	<RL	0.4 µg/L
Heptachlor Epoxide	<RL	0.2 µg/L
Hexachlorobenzene	<RL	1 µg/L
Hexachlorocyclopentadiene	<RL	50 µg/L
Lindane	<RL	0.2 µg/L
Methoxychlor	<RL	40 µg/L
Metolachlor	<RL	
Metribuzin	<RL	
Propachlor	<RL	
Simazine	<RL	4 µg/L
Total Chlordane	<RL	2 µg/L
Trifluralin	<RL	

Inorganic Compounds found in Raw Water

Compound	Water Results	MLC or AL
Cyanide	<RL	0.2 µg/L
Sulfate	215	
Antimony, Total	<RL	6 µg/L
Thallium, Total	<RL	2 µg/L
Nickel, Total	<RL	100 µg/L
Beryllium, Total	<RL	4 µg/L

- MLC = Maximum Contaminate Level – The concentration of the analysis which has been determined by the EPA to put the public at risk. Concentrations below this level are considered acceptable.
- AL = Action Levels (AL) apply only to lead and copper and are not based on known or expected health effects. An Action Level is the concentration of a contaminant in a sample which, if exceeded and grouped with other samples, triggers treatment techniques or other requirements which a water system must follow.
- <RL = Less than Reporting Limit. The lowest amount of the analyte that can be accurately reported by the method used.
- µg/L = Parts Per Billion

Wastewater Treatment Plant Division

Annual Average	2020-21	2019-20	2018-19	2017-18
Effluent BOD mg/l	4.1	3.75	6.13	4.44
Effluent Suspended Solids mg/l	5.3	4.94	7.47	5.76
Effluent pH (standard units)	7.44	7.45	7.49	7.44
Effluent Temperature deg C	16.1	15.60	15.56	60.97
Effluent NO3 mg/l	12.49	12.48	11.02	18.42
Effluent Dissolved Oxygen mg/l	5	4.71	4.80	4.69
Influent BOD mg/l	144	125.08	143.36	159.65
Influent Suspended Solids mg/l	287	255.91	230.04	213.53
Influent pH (standard units)	7.48	7.49	7.48	7.60
Influent Temperature deg C	16.84	16.59	15.56	60.97
Effluent NH3-N mg/l	0.34	0.66	1.39	0.79
Influent NH3-N mg/l	25.56	23.89	24.11	23.19
	2020-21	2019-20	2018-19	2017-18
Total influent flow (B gal)	1.402	1.46	1.42	1.27
Average daily influent flow (M gal/day)	3.84	4.00	3.89	3.53
Total effluent flow (B gal)	1.40	1.46	1.49	1.32
Average daily effluent flow (M gal/day)	3.84	4.01	4.09	3.66
Total R.A.S. flow (M gal)	1,194.46	957.69	809.33	819.69
Average daily R.A.S. flow (M gal/day)	3.27	2.77	2.23	2.27
Total W.A.S. flow (M gal)	12.46	10.57	8.25	12.11
Average daily W.A.S. flow (gal/day)	34,100.28	29,106.82	22,905.59	33,711.96
	2020-21	2019-20	2018-19	2017-18
Sludge pumped (M gal)	6.27	6.28	5.26	6.48
Sludge hauled (ton)	3,322	3,255.48	3,557.42	3,763.29
Sludge hauled (Cu Yd)	5,320	5,413.98	4,207.42	3,951.45
Total screw press operation (day)	117	117.00	158.00	151.00
Average daily sludge hauled (ton)	28	27.82	22.52	24.92
Average Feed Solids %	3.44	3.70	6.55	4.11
Average Cake Solids %	25.6	26.61	25.65	24.40
Average sludge pumped (gal/day)	61,671.33	55,121.97	36,273.33	40,518.70
Total Plant Alarms	45	40.00	22.00	56.00
Total lift station alarm	44	45.00	22.00	73.00
	2020-21	2019-20	2018-19	2017-18
BOD Reduction	97.1%	96.9%	96.0%	97.0%
Suspended Solids Reduction	98.09%	98.05%	96.64%	97.26%
Ammonia Reduction	98.65%	97.25%	94.66%	96.54%
Average e-coli (May 1 st – Sept. 30 th)	19.00	42.34	50.20	24.64

** screw press used to be belt press and went from three days a week to two days a week operation