# CITY OF ST. JOSEPH WATER FILTRATION PLANT OPERATIONAL REPORT

# MAY 2022



# **Mission Statement**

WSJOB- The City and Authority working together to provide safe drinking water of the highest quality to all of our customers at the lowest possible price.

## WATER PLANT/DISTRIBUTION REPORT- MAY 2022

Water demand in April was down by 43,162,278 gallons representing a 27.1% decrease from 2021. This year 115,924,537 gallons were delivered which compares to 159,086,815 gallons in 2021. The May 2022 pumpage ranks 28<sup>th</sup> in the thirty-year tabulation dating back to 1993.

#### **GENERAL ACTIVITIES**

#### 2021 Consumer Confidence Report

The 2021 Consumer Confidence Report was completed in May and will be mailed during the week of June 13<sup>th</sup>. This is a water quality report that is a compilation of all water testing done during the year. In addition, public education articles are included again this year on lead in drinking water and residential cross connection control.

#### SCIP Phase II Design and Construction Engineering

Staff completed an RFP for engineering for the second phase of the SCIP. This includes design engineering budgeted in 2022/2023 and construction engineering for the construction phase of engineering in 2023/2024 and 2024/2025.

#### Lead Service Line Replacement-Ongoing

Staff continues to meet weekly with the lead service line replacement team to discuss lead service line identification, replacement, water sampling and planning.

#### SRF ITA

Staff continues to meet and assist in the loan application process under the SRF program. The project plan draft document is complete. The SCIP (Strategic Capital Improvement Project) Phase II projects will be funded through this program.

#### Clarifier Replacement Project-SCIP Phase II

Staff will give a tour of Clarifier #2 and #3 including a slide presentation to the WSJOB. The phase two project includes architectural improvements in the 1974 addition to the plant.

#### <u>PFAS</u>

Per- and polyfluoroalkyl substances (PFAS), are a group of chemicals that have been classified by the U.S. Environmental Protection Agency (EPA) as an emerging contaminant on the national level. The chemicals have been used in fire suppressant foam at airports, fire departments and refineries, as well as by industrial chrome platers and apparel manufacturers. They repel water and resist heat. PFAS have been found at low levels both in the environment and in blood samples of the general U.S. population. On April 13, 2022 City of St. Joseph water was tested. Test results received from our contract laboratory indicate that PFOS/PFOA levels in the City's drinking water are well below the MCL of 70 ppt. However, the City of St. Joseph had 2.1 NG/L for PFOS and 2.5 ng/L for PJOA. Due to these detections, the City of St. Joseph was placed on quarterly monitoring by EGLE for at least the next two quarters.

#### Travel & Training

Josh Bailey from our distribution team passed his D-4.

	Monthly Maintenance Notes
	MAY 2022
Normal PM Maint. done Monthly	Check all High Service and Low Service Pumps, BPS pumps, Service BPS Chlorinators, Change out air filters on VFD Drives and Air Handlers. Grounds work at Plant, Booster Stations and Water Towers
04/28/22	Cummins - PM inspection of Plant Generator, Low Service Generator, Cleveland and Hilltop BPS Generators per service agreement
05/04/22	Installed new weather station
05/04/22	Peerless Midwest - Pulled Sewage Pump # 1 by Alum storage tanks for Rebuild.
05/05/22	Cummins - Installed new Coolant Hoses on Block heater and changed coolant in Generator for Cleveland BPS
05/12/22	Installed new blower motor on unit heater in clarifier # 2 & 3 room
05/17/22	Cleaned North Low Service Intake Chamber and Wet Wells
05/19/22	Filled Clarifier # 2 and put into service
5/23 to 5/26/22	Cleaned old chlorinator feed room and removed concrete pads.
05/26/22	Boelcke Heating - Installed new economizer control on West HVAC unit
05/26/22	Mead & White / Double K - Completed start up and relocation of the New IT/Data Control Cabinet in the upper foyer.

DISTRIBUTION REPORT		he Month of May 2022					
Activity		ber/Description					
Water Main Breaks	0						
MISS DIGS		Including lead service pothole inspections in the City of St. Joseph (320)					
Delinquent Shut Off	0	,					
Hydrants (Repaired/Replaced)	2	2301 Lakehore (City), hit by car. Had to straighten. Replace Highland&Lions Par					
/alve Turning							
Valves	1	West Rocky Weed&Ann Court (LCT). Repair					
Гарs (1")		6237 Comiskey Road (LCT). New house in existing subdivision					
		6244 Comiskey Road (LCT). Pre install for future home					
		4478 Woodridge Way (RCT). Well conversion					
		6303 Comiskey Road (LCT). New house in existing subdivision					
	_ <b>_</b>	2072 Hidden Pines Trail (LCT). New house in existing subdivision					
Cross Connection Control	30	Commercials by Hydro					
Residential Cross Connection Control	2						
Service Retirement		2704 Highland Court (City) Sprinkler meter in pit.					
Service Replacement (Lead)	1	1 391 Ridgeway (SJ), Replace service, private side damaged by City. Lead					
Service Repair	0						
Repair/Replace of Curb box/Shut-Off Valves	4	Various; froze up, bent curb box, rod broken, adjust.					
Meter pit/service replacement	0						
Water Quality complaints	6	Water quality/pressure, color					
Hydrant flushing to maintain water quality	0						
Service line complaints (customer side)	4	leaks, high water use, misreported stormwater, snowbirds, low pressure					
Private Service break	0						
Staff Education/Training	64.8	4.8 Residential Cross Connection, union meetings, CDL Training					
Overtime-Total	45.5						
Гurn Off		Defective meter					
Гurn On		Sensors bad					
Finals		Downsize meter					
Meter Repair/Replacement		TRT missing					
Meter Repair		Audit Meter					
Per detail		Verify Read					
Meter leaking		Move Mxu Box					
Stopped Meter		New Installation					
Faulty Register							
Frozen Meter		Replaced/various reasons (e.g.,downsize, defective)					
Move Meter Inside		Rockwell Replacement					
nove neter morae		Mxu Replaced					
Hard to read	_	Sprinkler meter removed/line capped					
Hard to read Replace/Adding Sprinkler Meter							
Replace/Adding Sprinkler Meter	_	Removals/demo					
Replace/Adding Sprinkler Meter Damage to Meter/TRT/wire damaged		Removals/demo					
Replace/Adding Sprinkler Meter Damage to Meter/TRT/wire damaged New Plumbing		Curb box location					
Replace/Adding Sprinkler Meter Damage to Meter/TRT/wire damaged		·					

		TTO ST. JOSETTWATER MAIN DREAK REFORT May 2022								
		Main	Gallons	Break	Valves	City				
Date	Location	Size	Lost	Туре	Turned	Twp	Labor	Remarks		
	No breaks in May									
TOTALS			-				0			

## ST. JOSEPH WATER FILTRATION PLANT 1701 LIONS PARK DRIVE SAINT JOSEPH, MI. 49085

#### MAY 2022

By: Greg Alimenti St. Joseph Water Plant 700 Broad St. Saint Joseph, Ml. 49085-1276 (269) 983-1240

LABRATORY REPORT							
Average of	Raw	Тар					
Chlorides mg/L	17.4	18.9					
Fluoride mg/L	0.15	0.77					
Alkalinity mg/L	113	102					
Hardness mg/L	144	143					
pН	8.1	7.4					
Calcium mg/L	41	39					
Magnesium mg/L	10	10					
Turbidity NTU	1.84	0.04					
Temperature `F	52						
Total Coliform		0.0					
Chlorine Residual		mg/L Free					
Mixing Basin		0.87					
Applied		1.05					
Тар		1.36					
Distribution		1.18					

DISTRIBUTION:	
Total Gallons	115,924,537
Average Day	3,739,501
Maximum Day	5,170,253
Minimum Day	2,679,636

TREATMENT:	
Total Low Service	120,627,804
Wash Water Gals.	582,884
Wash Water %	0.49%
Plant Use Gals.	11,490
Plant Use %	0.01%

FILTRATION:			
Ave. Filter Run		259.1	hours
Ave. Filter Rate		1.84	g/sqft/min
Filter Eff. Index		450.3	
Ave. Loss of Head		1.5	feet
Plant Sewer Useage	\$ 12,1	48.16	Mar-May
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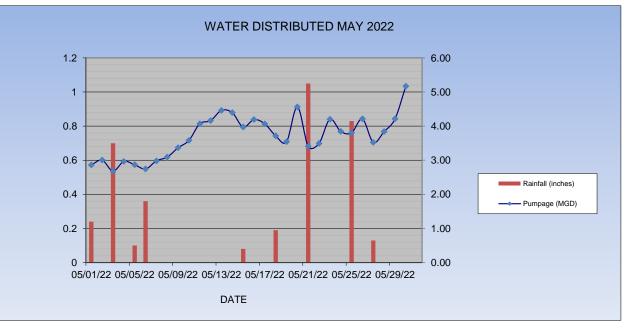
TREATMENT CHEMICAL SUMMARY:								
				Inventory	Days			
	Applied mg/L	Total Lbs.	Cost	lbs.	Supply			
		CHEMICAL						
Alum (Al <sup>+3</sup> )	21.78	21,865	\$7,131.47	31,248	22			
Chlorine (Cl <sub>2</sub> )	2.49	2,512	\$4,268.60	6,143	76			
Fluoride (F <sub>2</sub> )	0.60	607	\$1,063.62	12,133	118			

		REMARKS:						
Total Cost all Chemicals			\$12,463.68					
Chemical Cost per Mil. Gallon Treated			\$103.32					
Chemical Cost per Mil. Gallon Delivered	\$103.81							
PLANT UTILITIES SUMMARY								
Electric:								
			***includes measure of melted s	snow				
Total Power Cost		\$	14,627.21	visit the City of Saint Joseph's Home page at www.sjcity.com				
Power Cost per Million Gallon Treated		\$	121.26	e-mail comments to either: operator@sjcity.com or galimenti@sjcity.com				
Power Cost per Million Gallon Delivered		\$	130.00	WEATHER CONDITIONS AT THE PLANT Air Temp. 'F				
Gallons Pumped per KWH			353	SJWW Weather Computer		Avg.	62.1	
				Rain Guage, Inches	3.68	Max.	92	
Natural Gas:				days it rained***	9	Min.	42.2	
Metered Cubic Feet			3448	Wind Speed, Avg	5.9	Lake Temp.	'F	
Natural Gas Cost \$2,909.25		Wind Speed, Max	37	Avg.	51.7			
Emergency Power Diesel Fuel Inv., Gals.	North		500	Prevailing Wind Dir.	North	Max	58.4	
	South		1500	Lake Level (USACE)	580.05	Min	46.0	

#### ST JOSEPH WATER PLANT PUMPAGE-WATER DELIVERED/RAINFALL

MAY 2022				Day to Day Compar	ison 2022/2021
DATE	PUMPAGE (gallons)	PUMPAGE (MGD)	Rainfall (in)	2022	2021
05/01/2	2 2,861,634	2.86	0.24	2,861,634	3,158,045
05/02/22	2 3,003,150	3.00	0	3,003,150	3,830,335
05/03/22	2 2,679,636	2.68	0.7	2,679,636	3,539,524
05/04/22	2 2,964,038	2.96	0	2,964,038	3,210,045
05/05/22	2 2,867,171	2.87	0.1	2,867,171	3,443,182
05/06/22	2 2,742,986	2.74	0.36	2,742,986	3,320,533
05/07/22	2 2,981,584	2.98	0	2,981,584	3,512,455
05/08/22	2 3,092,299	3.09	0	3,092,299	3,301,830
05/09/22	2 3,365,065	3.37	0	3,365,065	3,361,240
05/10/2	2 3,580,100	3.58	0	3,580,100	3,546,967
05/11/2	4,069,073	4.07	0	4,069,073	3,676,388
05/12/22	2 4,159,881	4.16	0	4,159,881	4,105,123
05/13/2	2 4,460,714	4.46	0	4,460,714	4,511,106
05/14/2	2 4,393,377	4.39	0	4,393,377	5,035,621
05/15/22	2 3,973,567	3.97	0.08	3,973,567	4,685,546
05/16/22	2 4,190,761	4.19	0	4,190,761	5,236,909
05/17/2	2 4,065,555	4.07	0	4,065,555	6,186,985
05/18/2	2 3,713,928	3.71	0.19	3,713,928	6,125,258
05/19/2	2 3,542,204	3.54	0	3,542,204	5,772,313
05/20/2	4,563,564	4.56	0	4,563,564	6,879,055
05/21/2	2 3,404,838	3.40	1.05	3,404,838	8,018,991
05/22/22		3.49	0	3,493,143	7,532,225
05/23/22	2 4,201,174	4.20	0	4,201,174	7,504,833
05/24/22	2 3,843,487	3.84	0	3,843,487	7,616,853
05/25/22	2 3,802,806	3.80	0.83	3,802,806	7,387,497
05/26/22	2 4,211,570	4.21	0	4,211,570	5,634,398
05/27/2	3,522,174	3.52	0.13	3,522,174	5,585,858
05/28/22	2 3,840,140	3.84	0	3,840,140	5,537,636
05/29/2	4,210,081	4.21	0	4,210,081	5,111,103
05/30/2	2 5,170,253	5.17	0	5,170,253	6,406,122
05/31/2	2 4,954,586	4.95	0	4,954,586	6,312,838
TOTAL	115,924,537	110.97	3.68	115,924,537	159,086,815

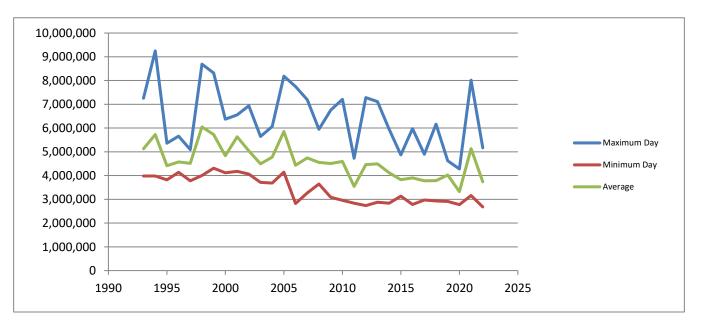
Average Day	3,739,501
Maximum Day	5,170,253
Minimum Day	2,679,636



## ST JOSEPH WATER PLANT PUMPAGE-WATER DELIVERED

MAY 2022

Year	Average	Maximum Day	Minimum Day	Monthly Total	Rank	Year	Monthly Total
1993	5,125,539	7,254,700	3,981,000	158,891,700	1	1998	187,498,900
1994	5,725,045	9,246,500	3,979,600	177,476,400	2	2005	181,505,420
1995	4,415,565	5,361,200	3,822,400	136,882,500	3	1994	177,476,400
1996	4,573,452	5,658,000	4,136,000	141,777,000	4	1999	177,408,307
1997	4,510,768	5,092,100	3,779,700	139,833,800	5	2001	174,681,340
1998	6,048,352	8,692,600	3,999,500	187,498,900	6	2021	159,086,815
1999	5,722,849	8,319,100	4,309,900	177,408,307	7	1993	158,891,700
2000	4,836,010	6,376,100	4,118,250	149,916,300	8	2002	156,207,450
2001	5,634,882	6,553,750	4,176,030	174,681,340	9	2000	149,916,300
2002	5,038,950	6,937,050	4,063,900	156,207,450	10	2004	148,070,370
2003	4,496,300	5,648,500	3,709,610	139,385,290	11	2007	147,007,740
2004	4,776,464	6,061,080	3,682,780	148,070,370	12	2010	142,408,530
2005	5,855,014	8,182,500	4,142,130	181,505,420	13	1996	141,777,000
2006	4,429,722	7,748,000	2,824,250	137,321,390	14	2008	141,099,260
2007	4,742,185	7,192,750	3,267,390	147,007,740	15	1997	139,833,800
2008	4,551,589	5,950,750	3,642,770	141,099,260	16	2009	139,761,901
2009	4,508,448	6,759,230	3,083,300	139,761,901	17	2003	139,385,290
2010	4,593,824	7,207,765	2,960,557	142,408,530	18	2013	139,280,351
2011	3,543,478	4,730,395	2,839,172	110,258,444	19	2012	138,177,494
2012	4,457,338	7,282,740	2,737,559	138,177,494	20	2006	137,321,390
2013	4,492,914	7,113,301	2,877,192	139,280,351	21	1995	136,882,500
2014	4,114,542	5,947,118	2,833,465	127,550,790	22	2014	127,550,790
2015	3,829,909	4,874,146	3,135,060	120,015,842	23	2019	124,626,206
2016	3,899,822	5,973,686	2,779,609	120,894,489	24	2016	120,894,489
2017	3,779,109	4,896,464	2,970,319	119,789,109	25	2015	120,015,842
2018	3,788,338	6,166,347	2,930,467	117,438,470	26	2017	119,789,109
2019	4,020,200	4,624,128	2,911,875	124,626,206	27	2018	117,438,470
2020	3,325,223	4,278,854	2,777,624	103,081,905	28	2022	115,924,537
2021	5,131,833	8,018,991	3,158,045	159,086,815	29	2011	110,258,444
2022	3,739,501	5,170,253	2,679,636	115,924,537	30	2020	103,081,905



SOUTHWEST MICHIGAN REGIONAL SANITARY SEWER & WATER AUTHORITY CLEVELAND BOOSTER STATION

. HILLTOP BOOSTER STATION

2022

May

WSSN 3726

$\begin{array}{c c c c c c c c c c c c c c c c c c c $	CLEVELAND BOOSTER STATION HILLTOP BOOSTER STATION															
DATE         MGD         CAL         LBS/DAY (mg1         mg1         mg1         mg1         MGD         CAL         BS/DAY (mg1         mg1         mg1 <thm1< th=""> <thm1< th="">         mg1</thm1<></thm1<>					CHLORINE	Cl <sub>2</sub>	Cl <sub>2</sub>	Cl <sub>2</sub>				CHLORINE	Cl <sub>2</sub>	Cl <sub>2</sub>	Cl <sub>2</sub>	
DATE         MGD         CAL         LBS/DAY (mg1         mg1         mg1         mg1         MGD         CAL         BS/DAY (mg1         mg1         mg1 <thm1< th=""> <thm1< th="">         mg1</thm1<></thm1<>		FLOW	FEED	CHL			POST		FLOW	FEED	CHL			POST	MON	BOOSTER
2-May         0.632         83         11.77         2.23         1.36         1.41         1.11         1.318         7.0         9.92         0.90         1.97         1.37         1.44         1.955           3-May         1.955         247         35.02         2.15         1.50         1.20         1.69         1.11         1.886         97         1.375         0.87         1.50         1.15         1.25         1.897           5-May         0.005         0.000         0.00         1.00         1.40         1.46         1.917           6-May         0.005         0.000         0.00         1.01         1.41         1.886         1.12         1.22         1.17         2.022           8-May         1.316         180         25.52         2.33         0.713         44         6.24         1.05         2.022           9-May         1.316         180         25.52         2.33         1.1.1         1.46         0.713         44         6.24         1.05         1.42         2.127         1.24         2.022           10-May         0.007         0.00         0.00         0.001         1.02         1.48         1.257         1.48	DATE															
3-May         1.955         247         35.02         2.15         1.50         1.23         1.21         0.003         0         0.00         2.20         1.48         1.62         1.957           4-May         0.001         0         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         1.50         1.55         1.62         1.11         1.48         0.202         1.33         1.88         1.61         1.20         2.022           3-May         1.316         180         2.55         2.33         1.11         1.14         1.04         2.310         1.26         1.78         1.05         1.48         1.27         1.24         2.317           11-May         0.007         0         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         1.38         1.48         1.42         2.2	1-May	0.632							1.318	70	9.92	0.90				1.950
4-May         0.001         0.00         1.20         1.69         1.11         1.896         71         37.5         0.87         1.50         1.15         1.25         1.897           5-May         1.918         2551         35.59         2.22         1.11         1.30         1.46         1.916           6-May         0.005         0         0.00         0.00         1.38         1.46         1.917           7-May         1.316         180         25.52         2.33         0.713         44         6.24         1.05         1.22         1.27         1.24         2.025           9-May         1.316         180         25.52         2.33         1.11         1.46         0.713         44         6.24         1.05         1.48         1.57         1.49         2.025           9-May         1.316         180         2.52         2.33         1.26         1.18         0.011         0.000         0.00         1.24         2.310         126         1.88         1.27         1.27         1.24         2.317           12-May         1.697         1.29         1.33         1.42         1.41         1.32         0.009         0.00 <td< td=""><td>2-May</td><td>0.632</td><td>83</td><td>11.77</td><td>2.23</td><td>1.36</td><td>1.41</td><td>1.11</td><td>1.318</td><td>70</td><td>9.92</td><td>0.90</td><td>1.97</td><td>1.37</td><td>1.44</td><td>1.950</td></td<>	2-May	0.632	83	11.77	2.23	1.36	1.41	1.11	1.318	70	9.92	0.90	1.97	1.37	1.44	1.950
5-May         1.918         251         35.59         2.22         1.11         1.30         1.21         0.000         0.00         1.38         1.46         1.911           6-May         0.005         0.00         0.00         1.10         1.14         1.08         2.020         133         18.86         1.12         1.28         1.22         1.17         2.022           8-May         1.316         180         25.52         2.33         0.713         44         6.24         1.05         1.28         1.22         1.17         2.022           9-May         1.316         180         25.52         2.33         1.13         1.21         1.16         0.713         44         6.24         1.05         2.022           9-May         0.301         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         1.22         1.27         1.28         2.36           11-May         2.818         300         46.79         1.99         1.42         1.41         1.20         0.00         0.00         <	3-May	1.955	247	35.02	2.15	1.50	1.23	1.21	0.003	0	0.00	0.00	2.20	1.48	1.62	1.957
6-May         0.005         0         0.001         1.10         1.14         1.08         2.020         133         18.86         1.12         1.28         1.22         1.17         2.022           7-May         1.316         180         25.52         2.33         0         0.713         44         6.24         1.05         2.022           9-May         1.316         180         25.52         2.33         1.13         1.21         1.16         0.713         44         6.24         1.05         1.48         1.57         1.49         2.022           10-May         0.007         0         0.00         0.00         1.04         1.11         1.04         2.310         126         1.88         0.011         0         0.00         0.00         0.92         1.39         1.18         2.381           12-May         2.659         148         20.98         2.38         1.62         1.26         1.18         0.01         0.00         0.00         1.02         1.32         1.22         2.827           13-May         2.654         3.00         47.91         1.99         1.42         1.41         1.32         0.00         0.00         1.02         1.32	4-May	0.001	0	0.00	0.00	1.20	1.69	1.11	1.896	97	13.75	0.87	1.50	1.15	1.25	1.897
T-May         1.316         180         25.52         2.33         0.713         44         6.24         1.05         2.022           8-May         1.316         180         25.52         2.33         0.713         44         6.24         1.05         1.202         2.022           9-May         1.316         180         25.52         2.33         1.13         1.21         1.16         0.713         44         6.24         1.05         1.48         1.57         1.49         2.022           9-May         0.007         0         0.00         1.04         1.11         1.04         2.310         1.22         1.27         1.24         2.311           11-May         2.369         9.94         2.38         1.62         1.26         1.18         1.01         1.12         1.57         1.18         1.28         2.867           13-May         1.007         122         17.30         2.06         1.931         104         14.75         0.92         2.932         2.933           16-May         1.007         122         17.30         2.06         1.031         104         14.75         0.92         1.33         1.34         1.32         2.933 </td <td>5-May</td> <td>1.918</td> <td>251</td> <td>35.59</td> <td>2.22</td> <td>1.11</td> <td>1.30</td> <td>1.21</td> <td>0.000</td> <td>0</td> <td>0.00</td> <td>0.00</td> <td>1.39</td> <td>1.38</td> <td>1.46</td> <td>1.918</td>	5-May	1.918	251	35.59	2.22	1.11	1.30	1.21	0.000	0	0.00	0.00	1.39	1.38	1.46	1.918
B-May         1.316         180         25.52         2.33         0         0.713         44         6.24         1.05         1.20           9-May         0.007         0         0.000         0.00         1.04         1.11         1.04         2.310         126         17.86         0.93         1.22         1.27         1.24         2.317           11-May         2.369         299         42.39         2.15         1.35         1.26         1.18         0.011         0         0.00         0.02         1.33         1.14         2.337           12-May         1.059         1.48         2.098         2.38         1.62         1.26         1.19         1.521         100         1.41         1.12         1.57         1.18         1.28         2.387           13-May         2.017         1.30         2.06         1.931         104         1.475         0.92         1.32         1.22         2.933           16-May         1.007         122         17.30         2.06         1.08         1.20         1.05         1.331         104         1.475         0.92         1.51         1.32         2.933           17-May         2.664         <							1.14	1.08	2.020	133	18.86	1.12	1.28	1.22	1.17	2.024
9-May         1.316         180         25.52         2.33         1.13         1.21         1.16         0.713         44         6.24         1.05         1.48         1.57         1.49         2.022           10-May         0.007         0         0.00         1.04         1.11         1.04         2.310         126         17.86         0.93         1.22         1.27         1.24         2.317           11-May         2.369         2.99         42.39         2.15         1.35         1.26         1.18         0.000         0.00         0.00         1.22         1.27         1.24         2.337           13-May         2.818         330         46.79         1.99         1.42         1.41         1.32         0.000         0.00         1.002         1.32         1.22         2.837           16-May         1.007         122         17.30         2.06         1.08         1.20         1.05         1.931         104         14.75         0.92         1.15         1.28         1.23         2.933           16-May         1.007         122         17.30         2.06         1.06         1.931         104         14.75         0.92         1.15									0.713	44						2.029
10-May         0.007         0         0.00         1.04         1.11         1.04         2.310         126         1.7.86         0.93         1.22         1.27         1.24         2.317           11-May         2.369         299         42.39         2.15         1.35         1.26         1.18         0.011         0         0.00         0.92         1.39         1.18         2.380           12-May         2.818         330         46.79         1.99         1.42         1.41         1.32         1.00         1.4.18         1.12         1.57         1.18         1.22         2.2823           13-May         2.818         330         46.79         1.99         1.42         1.41         1.32         0.009         0         0.00         1.02         1.32         1.22         2.833           14-May         1.007         122         17.30         2.06         1.08         1.20         1.053         1.931         104         14.75         0.92         1.15         1.28         1.23         2.933           16-May         0.000         0.000         0.000         0.000         0.000         0.000         1.01         1.17         1.48         1.32 <td>8-May</td> <td>1.316</td> <td></td> <td></td> <td>2.33</td> <td></td> <td></td> <td></td> <td>0.713</td> <td>44</td> <td>6.24</td> <td>1.05</td> <td></td> <td></td> <td></td> <td>2.029</td>	8-May	1.316			2.33				0.713	44	6.24	1.05				2.029
11-May         2.369         299         42.33         2.15         1.35         1.26         1.18         0.011         0         0.00         0.00         0.92         1.39         1.18         2.386           12-May         2.059         148         20.98         2.38         1.62         1.26         1.19         1.00         14.18         1.12         1.57         1.18         1.22         2.882           13-May         2.051         1.41         1.32         0.009         0         0.00         0.00         1.02         1.32         1.22         2.882           14-May         1.007         122         17.30         2.06         1.331         104         14.75         0.92         1.32         1.22         2.933           16-May         1.007         122         17.30         2.06         1.08         1.20         0.536         32         4.54         1.01         1.21         1.64         1.78         3.193           18-May         0.000         0         0.00         1.26         1.90         1.71         1.61         1.31         1.23         2.265           18-May         3.248         440         62.38         2.30			180	25.52	2.33	1.13	1.21	1.16	0.713	44	6.24	1.05	1.48	1.57	1.49	2.029
12-May       1.059       148       20.98       2.38       1.62       1.26       1.19       1.521       100       14.18       1.12       1.57       1.18       1.28       2.586         13-May       2.818       330       46.79       1.99       1.42       1.41       1.32       0.009       0       0.00       1.00       1.02       1.32       1.22       2.893         15-May       1.007       122       17.30       2.06       1.931       104       14.75       0.92       2.933         16-May       1.007       122       17.30       2.06       1.931       104       14.75       0.92       2.933         17-May       2.654       360       51.04       2.31       1.34       1.32       1.20       0.536       32       4.54       1.01       1.28       1.23       2.933         18-May       0.000       0       0.00       1.26       1.19       1.14       2.257       121       17.16       0.91       1.51       1.33       1.32       3.245         20-May       0.415       51       7.23       2.09       1.26       1.90       1.22       1.907       96       13.61       0.86 <t< td=""><td>10-May</td><td>0.007</td><td></td><td></td><td></td><td>1.04</td><td>1.11</td><td>1.04</td><td>2.310</td><td>126</td><td>17.86</td><td>0.93</td><td>1.22</td><td>1.27</td><td>1.24</td><td>2.317</td></t<>	10-May	0.007				1.04	1.11	1.04	2.310	126	17.86	0.93	1.22	1.27	1.24	2.317
13-May         2.818         330         46.72         1.99         1.42         1.41         1.32         0.009         0         0.00         1.02         1.32         1.22         2.827           14-May         1.007         122         17.30         2.06         1.931         104         14.75         0.92         2.936           16-May         1.007         122         17.30         2.06         1.931         104         14.75         0.92         2.936           16-May         1.007         122         17.30         2.06         1.08         1.20         1.050         1.931         104         14.75         0.92         1.15         1.28         2.936           17-May         2.654         360         51.04         2.31         1.34         1.32         1.20         0.536         32         4.54         1.01         1.21         1.64         1.78         3.190           18-May         0.000         0.00         0.00         1.26         1.90         1.72         1.907         96         13.61         0.86         1.41         1.35         1.36         2.322           21-May         1.668         231         32.75         2.35							1.26	1.18						1.39	1.18	
14-May         1.007         122         17.30         2.06         1.931         104         14.75         0.92         2.933           15-May         1.007         122         17.30         2.06         1.931         104         14.75         0.92         2.933           16-May         1.007         122         17.30         2.06         1.08         1.20         1.055         1.931         104         14.75         0.92         1.15         1.28         1.23         2.933           17-May         2.654         360         51.04         2.31         1.34         1.32         1.20         0.536         32         4.54         1.01         1.21         1.64         1.78         3.192           19-May         0.248         440         6.238         2.30         1.28         2.06         0.00         0.00         0.00         1.43         1.36         1.32         2.247           20-May         0.415         51         7.23         2.09         1.26         1.90         1.72         1.907         96         13.61         0.86         1.41         1.35         1.36         2.322           22-May         1.668         231         32.75	12-May	1.059			2.38	1.62	1.26	1.19	1.521	100	14.18	1.12	1.57	1.18	1.28	2.580
15-May         1.007         122         17.30         2.06         1.931         104         14.75         0.92         1.28         2.938           16-May         1.007         122         17.30         2.06         1.08         1.20         1.05         1.931         104         14.75         0.92         1.15         1.28         1.23         2.938           17-May         2.654         360         51.04         2.31         1.34         1.32         1.20         0.536         32         4.54         1.01         1.164         1.78         3.190           18-May         0.000         0         0.00         1.26         1.19         1.14         2.257         121         17.16         0.91         1.51         1.33         1.23         2.257           19-May         3.248         440         62.38         2.30         1.28         2.06         2.04         0.000         0.00         1.037         1.367         1.335         1.32         2.247           20-May         1.668         231         32.75         2.35         0.824         48         6.81         0.99         2.493         2.493           22-May         1.668         231	13-May	2.818		46.79	1.99	1.42	1.41	1.32	0.009	0	0.00	0.00	1.02	1.32	1.22	2.827
16-May         1.007         122         17.30         2.06         1.08         1.20         1.05         1.931         104         14.75         0.92         1.15         1.28         1.23         2.936           17-May         2.654         360         51.04         2.31         1.34         1.32         1.20         0.536         32         4.54         1.01         1.21         1.64         1.78         3.123           18-May         0.000         0         0.00         0.00         1.28         2.06         2.04         0.000         0.00         1.51         1.33         1.32         2.267           19-May         3.248         440         62.38         2.30         1.28         2.06         2.04         0.000         0.000         0.00         1.43         1.36         1.32         2.2457           20-May         1.668         231         32.75         2.35         0.824         48         6.81         0.99         2.493           23-May         1.668         231         32.75         2.35         0.824         48         6.81         0.99         1.50         1.67         1.73         2.493           24-May         0.007									1.931	104	14.75	0.92				2.938
17-May       2.654       360       51.04       2.31       1.34       1.32       1.20       0.536       32       4.54       1.01       1.21       1.64       1.78       3.190         18-May       0.000       0       0.00       1.26       1.19       1.14       2.257       121       17.16       0.91       1.51       1.33       1.23       2.257         19-May       3.248       440       62.38       2.30       1.28       2.06       2.04       0.000       0       0.00       1.41       1.35       1.32       3.242         20-May       0.415       51       7.23       2.09       1.26       1.90       1.72       1.907       96       13.61       0.86       1.41       1.35       1.36       2.322         21-May       1.668       231       32.75       2.35       0.824       48       6.81       0.99       2.490       2.490         23-May       1.668       231       32.75       2.35       1.48       1.37       1.25       0.824       48       6.81       0.99       1.50       1.67       1.73       2.490         24-May       0.007       0       0.00       0.00       1.00<					2.06				1.931	104	14.75	0.92				2.938
18-May       0.000       0       0.00       1.26       1.19       1.14       2.257       121       17.16       0.91       1.51       1.33       1.23       2.257         19-May       3.248       440       62.38       2.30       1.28       2.06       2.04       0.000       0       0.00       1.43       1.36       1.32       3.242         20-May       0.415       51       7.23       2.09       1.26       1.90       1.72       1.907       96       13.61       0.86       1.41       1.35       1.36       2.322         21-May       1.668       231       32.75       2.35       0.824       48       6.81       0.99       2.493         22-May       1.668       231       32.75       2.35       1.48       1.37       1.25       0.824       48       6.81       0.99       1.50       1.67       1.73       2.493         23-May       0.668       231       32.75       2.35       1.48       1.37       1.25       0.824       48       6.81       0.99       1.50       1.67       1.73       2.493         25-May       0.000       0.00       0.00       0.00       0.00       0.0			122	17.30	2.06	1.08	1.20	1.05	1.931	104	14.75	0.92	1.15	1.28	1.23	2.938
19-May       3.248       440       62.38       2.30       1.28       2.06       2.04       0.000       0       0.00       1.43       1.36       1.32       3.248         20-May       0.415       51       7.23       2.09       1.26       1.90       1.72       1.907       96       13.61       0.86       1.41       1.35       1.36       2.322         21-May       1.668       231       32.75       2.35       0.824       48       6.81       0.99       2.493         22-May       1.668       231       32.75       2.35       0.824       48       6.81       0.99       2.493         23-May       1.668       231       32.75       2.35       1.48       1.37       1.25       0.824       48       6.81       0.99       1.67       1.73       2.493         24-May       0.007       0       0.00       0.00       1.00       1.23       1.12       2.838       155       21.98       0.93       1.51       1.66       1.44       2.843         25-May       2.564       363       51.47       2.41       1.38       1.31       1.24       0.009       0       0.00       1.31       1.44<			360	51.04	2.31	1.34	1.32	1.20	0.536	32	4.54	1.01	1.21	1.64	1.78	3.190
20-May         0.415         51         7.23         2.09         1.26         1.90         1.72         1.907         96         13.61         0.86         1.41         1.35         1.36         2.322           21-May         1.668         231         32.75         2.35         0.824         48         6.81         0.99         2.493           23-May         1.668         231         32.75         2.35         1.48         1.37         1.25         0.824         48         6.81         0.99         1.50         1.67         2.493           23-May         1.668         231         32.75         2.35         1.48         1.37         1.25         0.824         48         6.81         0.99         1.50         1.67         1.44         2.493           24-May         0.007         0         0.00         1.00         1.23         1.12         2.838         155         21.98         0.93         1.51         1.56         1.44         2.842           25-May         2.564         363         51.47         2.41         1.38         1.31         1.24         1.009         0.00         1.34         1.48         1.35         2.433 <td< td=""><td>18-May</td><td>0.000</td><td>0</td><td>0.00</td><td>0.00</td><td>1.26</td><td>1.19</td><td>1.14</td><td>2.257</td><td>121</td><td>17.16</td><td>0.91</td><td>1.51</td><td>1.33</td><td>1.23</td><td>2.257</td></td<>	18-May	0.000	0	0.00	0.00	1.26	1.19	1.14	2.257	121	17.16	0.91	1.51	1.33	1.23	2.257
21-May       1.668       231       32.75       2.35       0.824       48       6.81       0.99       2.493         22-May       1.668       231       32.75       2.35       0.824       48       6.81       0.99       2.493         23-May       1.668       231       32.75       2.35       1.48       1.37       1.25       0.824       48       6.81       0.99       2.493         23-May       1.668       231       32.75       2.35       1.48       1.37       1.25       0.824       48       6.81       0.99       2.493         23-May       0.668       231       32.75       2.35       1.48       1.37       1.25       0.824       48       6.81       0.99       1.60       1.67       1.73       2.493         24-May       0.007       0       0.00       1.00       1.23       1.12       2.838       155       21.98       0.93       1.51       1.56       1.44       2.845         25-May       0.099       0       0.00       0.00       1.07       1.22       1.11       2.425       142       20.13       1.00       1.34       1.44       1.45       2.433         27-	19-May	3.248	440	62.38	2.30	1.28	2.06		0.000	0	0.00	0.00	1.43	1.36	1.32	3.248
22-May         1.668         231         32.75         2.35         0.824         48         6.81         0.99         2.493           23-May         1.668         231         32.75         2.35         1.48         1.37         1.25         0.824         48         6.81         0.99         1.50         1.67         1.73         2.493           24-May         0.007         0         0.00         1.00         1.23         1.12         2.838         155         21.98         0.93         1.51         1.56         1.44         2.843           25-May         2.564         363         51.47         2.41         1.38         1.31         1.24         0.009         0         0.00         1.31         1.44         2.843           26-May         0.009         0         0.00         0.00         1.07         1.22         1.11         2.425         142         20.13         1.00         1.33         2.433           27-May         1.657         247         35.02         2.53         1.36         1.33         1.24         1.139         66         9.36         0.99         1.60         1.42         1.35         2.796           28-May	20-May					1.26	1.90	1.72	1.907	96		0.86	1.41	1.35	1.36	2.322
23-May       1.668       231       32.75       2.35       1.48       1.37       1.25       0.824       48       6.81       0.99       1.50       1.67       1.73       2.493         24-May       0.007       0       0.00       1.00       1.23       1.12       2.838       155       21.98       0.93       1.51       1.56       1.44       2.845         25-May       2.564       363       51.47       2.41       1.38       1.31       1.24       0.009       0       0.00       1.31       1.44       1.46       2.573         26-May       0.009       0       0.00       1.07       1.22       1.11       2.425       142       20.13       1.00       1.34       1.48       1.35       2.433         27-May       1.657       247       35.02       2.53       1.36       1.33       1.24       1.139       66       9.36       0.99       1.60       1.42       1.35       2.796         28-May       1.691       236       33.46       2.37       1.317       61       8.65       0.79       3.006         30-May       1.691       236       33.46       2.37       1.317       61       8.65									0.824							2.493
24-May         0.007         0         0.00         1.00         1.23         1.12         2.838         155         21.98         0.93         1.51         1.56         1.44         2.845           25-May         2.564         363         51.47         2.41         1.38         1.31         1.24         0.009         0         0.00         1.31         1.44         1.46         2.573           26-May         0.009         0         0.00         0.00         1.07         1.22         1.11         2.425         142         20.13         1.00         1.34         1.48         1.35         2.433           27-May         1.657         247         35.02         2.53         1.36         1.33         1.24         1.139         66         9.36         0.99         1.60         1.42         1.35         2.433           28-May         1.691         236         33.46         2.37         1.317         61         8.65         0.79         3.006           30-May         1.691         236         33.46         2.37         1.317         61         8.65         0.79         1.32         1.36         3.006           31-May         1.691 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>2.493</td></th<>																2.493
25-May         2.564         363         51.47         2.41         1.38         1.31         1.24         0.009         0         0.00         1.31         1.44         1.46         2.573           26-May         0.009         0         0.00         1.00         1.31         1.44         1.46         2.573           26-May         0.009         0         0.00         1.07         1.22         1.11         2.425         142         20.13         1.00         1.34         1.48         1.35         2.433           27-May         1.657         247         35.02         2.53         1.36         1.33         1.24         1.139         66         9.36         0.99         1.60         1.42         1.35         2.796           28-May         1.691         236         33.46         2.37         1.317         61         8.65         0.79         3.006           30-May         1.691         236         33.46         2.37         1.21         1.28         1.317         61         8.65         0.79         3.006           30-May         1.691         236         33.46         2.37         1.21         1.28         1.317         61         8	23-May	1.668	231	32.75	2.35	1.48	1.37	1.25	0.824				1.50	1.67	1.73	2.493
26-May         0.009         0         0.00         1.07         1.22         1.11         2.425         142         20.13         1.00         1.34         1.48         1.35         2.433           27-May         1.657         247         35.02         2.53         1.36         1.33         1.24         1.139         66         9.36         0.99         1.60         1.42         1.35         2.796           28-May         1.691         236         33.46         2.37         1.317         61         8.65         0.79         3.006           29-May         1.691         236         33.46         2.37         1.317         61         8.65         0.79         3.006           30-May         1.691         236         33.46         2.37         1.317         61         8.65         0.79         3.006           31-May         1.691         236         33.46         2.37         1.42         1.21         1.28         1.317         61         8.65         0.79         3.006           31-May         1.691         236         33.46         2.37         1.42         1.21         1.28         1.317         61         8.65         0.79 <t< td=""><td>24-May</td><td></td><td></td><td></td><td>0.00</td><td></td><td></td><td></td><td>2.838</td><td>155</td><td>21.98</td><td>0.93</td><td></td><td>1.56</td><td>1.44</td><td>2.845</td></t<>	24-May				0.00				2.838	155	21.98	0.93		1.56	1.44	2.845
27-May       1.657       247       35.02       2.53       1.36       1.33       1.24       1.139       66       9.36       0.99       1.60       1.42       1.35       2.796         28-May       1.691       236       33.46       2.37       1.317       61       8.65       0.79       3.006         29-May       1.691       236       33.46       2.37       1.317       61       8.65       0.79       3.006         30-May       1.691       236       33.46       2.37       1.317       61       8.65       0.79       3.006         30-May       1.691       236       33.46       2.37       1.317       61       8.65       0.79       3.006         31-May       1.691       236       33.46       2.37       1.21       1.28       1.317       61       8.65       0.79       1.32       1.36       3.006         31-May       1.691       236       33.46       2.37       1.42       1.21       1.28       1.317       61       8.65       0.79       1.32       1.36       3.006         MX       3.248       62.4       2.53       1.6       2.1       2.0       2.8380       22.			363	51.47	2.41									1.44		
28-May       1.691       236       33.46       2.37       1.317       61       8.65       0.79       3.006         29-May       1.691       236       33.46       2.37       1.317       61       8.65       0.79       3.006         30-May       1.691       236       33.46       2.37       1.317       61       8.65       0.79       3.006         31-May       1.691       236       33.46       2.37       1.317       61       8.65       0.79       3.006         31-May       1.691       236       33.46       2.37       1.42       1.21       1.28       1.317       61       8.65       0.79       3.006         31-May       1.691       236       33.46       2.37       1.42       1.21       1.28       1.317       61       8.65       0.79       1.25       1.32       1.36       3.006         31-May       1.691       236       33.46       2.37       1.42       1.29       1.83       3.016       2.17       0.020       289.23       77.87       77.87         MAX       3.248       62.4       2.53       1.6       2.1       2.0       2.8380       22.0       1.12			-													2.433
29-May       1.691       236       33.46       2.37       1.317       61       8.65       0.79       3.008         30-May       1.691       236       33.46       2.37       1.317       61       8.65       0.79       3.008         31-May       1.691       236       33.46       2.37       1.42       1.21       1.28       1.317       61       8.65       0.79       3.008         31-May       1.691       236       33.46       2.37       1.42       1.21       1.28       1.317       61       8.65       0.79       1.25       1.32       1.36       3.008         TOTAL       40.686       5,445       772.0       37.188       2,040       289.23       77.874       77.874         AVE DAY       1.312       24.9       1.83       1.3       1.4       1.2       1.1996       9.3       0.76       1.42       1.39       1.38       2.512         MAX       3.248       62.4       2.53       1.6       2.1       2.0       2.8380       22.0       1.12       2.2       1.67       1.78       3.248         MIN       0.000       0.0       0.00       1.0       1.1       1.0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>1.36</td><td>1.33</td><td>1.24</td><td></td><td></td><td></td><td></td><td></td><td>1.42</td><td>1.35</td><td>2.796</td></t<>						1.36	1.33	1.24						1.42	1.35	2.796
30-May       1.691       236       33.46       2.37       1.317       61       8.65       0.79       3.008         31-May       1.691       236       33.46       2.37       1.42       1.21       1.28       1.317       61       8.65       0.79       1.32       1.32       3.008         TOTAL       40.686       5,445       772.0       37.188       2,040       289.23       77.87         AVE DAY       1.312       24.9       1.83       1.3       1.4       1.2       1.1996       9.3       0.76       1.42       1.39       1.38       2.512         MAX       3.248       62.4       2.53       1.6       2.1       2.0       2.8380       22.0       1.12       2.2       1.67       1.78       3.248         MIN       0.000       0.0       0.00       1.0       1.1       1.0       0.0000       0.0       0.92       1.15       1.17       1.897         MONTHLY TOTALS:       Cleveland Total MG       SJCT EAST       Hilltop       Total MG       Cleveland Pump Station:       40.686         Average Day       2.512       Chi Add       38.966       Average Day       0.170       Chi Add       35.840       H																3.008
31-May       1.691       236       33.46       2.37       1.42       1.21       1.28       1.317       61       8.65       0.79       1.25       1.32       1.36       3.008         TOTAL       40.686       5,445       772.0         37.188       2,040       289.23          77.874         AVE DAY       1.312       24.9       1.83       1.3       1.4       1.2       1.1996       9.3       0.76       1.42       1.39       1.38       2.512         MAX       3.248       62.4       2.53       1.6       2.1       2.0       2.8380       22.0       1.12       2.2       1.67       1.78       3.248         MIN       0.000       0.0       0.00       1.0       1.1       1.0       0.0000       0.0       0.92       1.15       1.17       1.897         MONTHLY TOTALS:       Cleveland Total MG       SJCT EAST       Hilltop       Total MG       Cleveland Pump Station:       40.686         Average Day       2.512       Chi Add       38.966       Average Day       0.170       No Chi Add       1.348       TOTAL AUTHORITY (Trted.)       77.874         Max Day (Est)       3.467 <td></td>																
TOTAL       40.686       5,445       772.0       37.188       2,040       289.23       1       1       77.874         AVE DAY       1.312       24.9       1.83       1.3       1.4       1.2       1.1996       9.3       0.76       1.42       1.39       1.38       2.512         MAX       3.248       62.4       2.53       1.6       2.1       2.0       2.8380       22.0       1.12       2.2       1.67       1.78       3.248         MIN       0.000       0.0       0.00       1.0       1.1       1.0       0.0000       0.00       0.92       1.15       1.17       1.897         MONTHLY TOTALS:       Cleveland Total MG       SJCT EAST       Hilltop       Total MG       Cleveland Pump Station:       40.686         Average Day       2.512       Chl Add       38.966       Average Day       0.170       Chl Add       35.840       Hilltop Pump Station:       37.188         Max Day (Est)       3.467       No Chl Add       1.720       Max Day (Est)       0.220       No Chl Add       1.348       TOTAL AUTHORITY (Trited.)       77.874																3.008
AVE DAY       1.312       24.9       1.83       1.3       1.4       1.2       1.1996       9.3       0.76       1.42       1.39       1.38       2.512         MAX       3.248       62.4       2.53       1.6       2.1       2.0       2.8380       22.0       1.12       2.2       1.67       1.78       3.248         MIN       0.000       0.0       0.00       1.0       1.1       1.0       0.0000       0.0       0.92       1.15       1.17       1.897         MONTHLY TOTALS:       Cleveland Total MG       SJCT EAST       Hilltop       Total MG       Cleveland Pump Station:       40.686         Average Day       2.512       Chi Add       38.966       Average Day       0.170       Chi Add       35.840       Hilltop Pump Station:       37.186         Max Day (Est)       3.467       No Chi Add       1.720       Max Day (Est)       0.220       No Chi Add       1.348       TOTAL AUTHORITY (Tried.)       77.874	31-May					1.42	1.21	1.28					1.25	1.32	1.36	
MAX       3.248       62.4       2.53       1.6       2.1       2.0       2.8380       22.0       1.12       2.2       1.67       1.78       3.248         MIN       0.000       0.0       0.00       1.0       1.1       1.0       0.0000       0.0       0.00       0.92       1.15       1.17       1.897         MONTHLY TOTALS:       Cleveland Total MG       SJCT EAST       Hilltop       Total MG       Cleveland Pump Station:       40.686         Average Day       2.512       Chl Add       38.966       Average Day       0.170       Chl Add       35.840       Hilltop Pump Station:       37.188         Max Day (Est)       3.467       No Chl Add       1.720       Max Day (Est)       0.220       No Chl Add       1.348       TOTAL AUTHORITY (Trted.)       77.874																77.874
MIN         0.000         0.0         0.0         1.0         1.1         1.0         0.0000         0.0         0.92         1.15         1.17         1.897           MONTHLY TOTALS:         Cleveland Total MG         SJCT EAST         Hilltop         Total MG         Cleveland Pump Station:         40.686           Average Day         2.512         Chl Add         38.966         Average Day         0.170         Chl Add         35.840         Hilltop Pump Station:         37.188           Max Day (Est)         3.467         No Chl Add         1.720         Max Day (Est)         0.220         No Chl Add         1.348         TOTAL AUTHORITY (Trted.)         77.874																
MONTHLY TOTALS:Cleveland Total MGSJCT EASTHilltopTotal MGCleveland Pump Station:40.686Average Day2.512Chl Add38.966Average Day0.170Chl Add35.840Hilltop Pump Station:37.186Max Day (Est)3.467No Chl Add1.720Max Day (Est)0.220No Chl Add1.348TOTAL AUTHORITY (Trted.)77.874																
Average Day         2.512         ChI Add         38.966         Average Day         0.170         ChI Add         35.840         Hilltop Pump Station:         37.188           Max Day (Est)         3.467         No ChI Add         1.720         Max Day (Est)         0.220         No ChI Add         1.348         TOTAL AUTHORITY (Trited.)         77.874					0.00			1.0	0.0000		0.0	0.00	0.92	1.15	1.17	
Max Day (Est)         3.467         No Chi Add         1.720         Max Day (Est)         0.220         No Chi Add         1.348         TOTAL AUTHORITY (Trted.)         77.874															40.686	
						<u> </u>					Chl Add					37.188
Total Authority Flow:     77.881     Month Total     5.264				No Chl Add							No Chl Add	1.348	TOTAL A	UTHORIT	Y (Trted.)	77.874
	Total Auth	ority Flow:	77.881			Month To	otal	5.264								

MAY 2022	CITY OF ST. JOSEPH WSSN 6310									
	TOC Compliance									
	Treated Tap	Source Tap	Formula Ratio	Alka- linity	Req. TOC Removal	<b>Actual</b> Ratio/ Remov	Alternative Criteria Complied Y/N	<b>Compl. Perf.</b> Ratio/Removal		
June	1.51	1.86	18.8	111	25	0.75	Yes	1.00	6/15/2021	
July	1.61	1.98	18.7	111	25	<b>0.75</b> 0.75	Yes	1.00	7/12/2021	
August September	1.47 1.60	1.92 1.90	23.4 15.8	112 112	25 25	0.94	Yes Yes	1.00 1.00	8/18/2021 9/9/2021	
October	1.75	2.61	33.0		15	<b>0.77</b> 2.20	Yes N(Removal)		10/24/2021	
November December	1.49 2.72	1.85 2.98	19.5 8.7	121 130	15 15	1.30 0.58	N(Removal) Yes	1.30 1.00	11/9/2021 12/15/2021	
January	1.60	1.95	17.9		25	<b>1.36</b> 0.72	Yes	1.00	1/12/2022	
February March	1.49 1.75	1.89 1.93	21.2 9.3	133 119	15 25	1.41 0.37	N(Removal) Yes	1.00	2/17/2022 3/8/2022	
April	1.77	2.04	13.2	102	25	<b>0.83</b> 0.53	Yes Yes	1.00 1.00	4/13/2022	
May Qtr Average	1.71	2.01	14.9	109	25	0.60 <b>0.56</b>	Yes	1.00	5/18/2022	
Annual Avg.	1.71	2.08				0.86		1.14		

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ST. JOSEPH WATER PLANT-YEAR TO DATE PUMPAGE

## MAY 2022

	Pumpage	Pumpage	Ву
	Month	FISCAL YTD	Quarter
JUNE	207,863,490	207,863,490	207,863,490
JULY	194,516,481	194,516,481	
AUGUST	206,106,524	400,623,005	
SEPTEMBER	165,413,457	566,036,462	566,036,462
OCTOBER	111,150,956	677,187,418	
NOVEMBER	79,512,900	756,700,318	
DECEMBER 2021	80,497,727	837,198,045	271,161,583
JANUARY 2022	85,696,372	922,894,416	
FEBRUARY	76,518,702	999,413,119	
MARCH	82,154,723	1,081,567,842	244,369,797
APRIL	81,200,791	1,162,768,632	
ΜΑΥ	115,924,537	1,278,693,169	
TOTAL	1,486,556,659		

