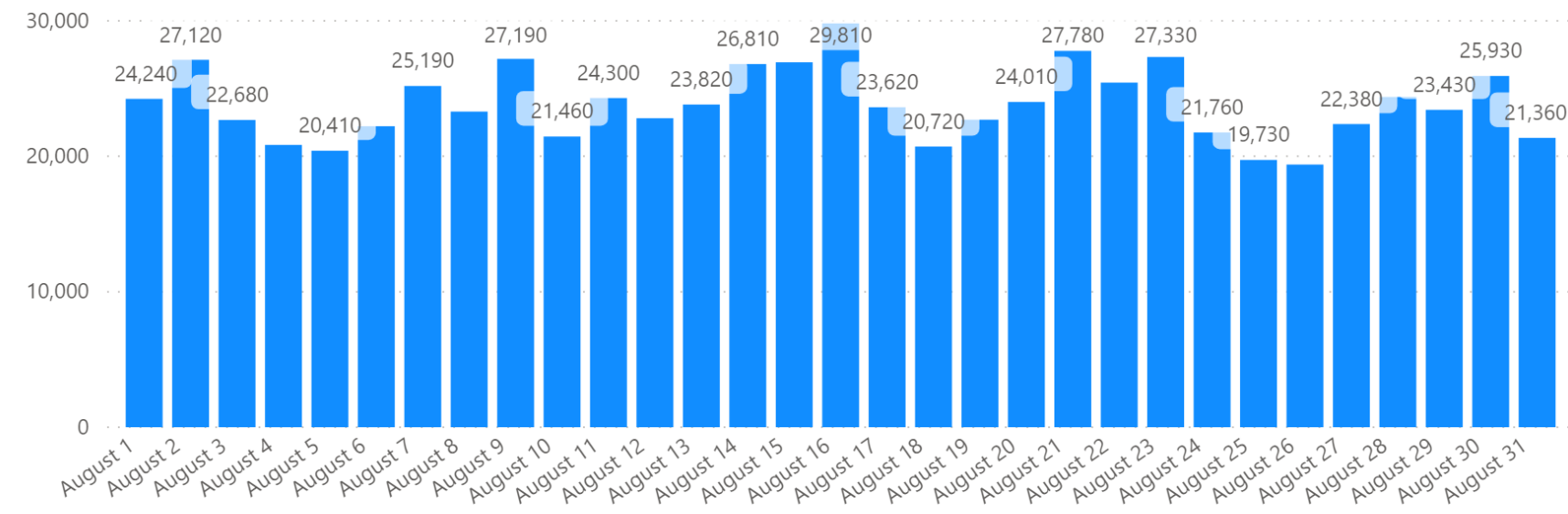
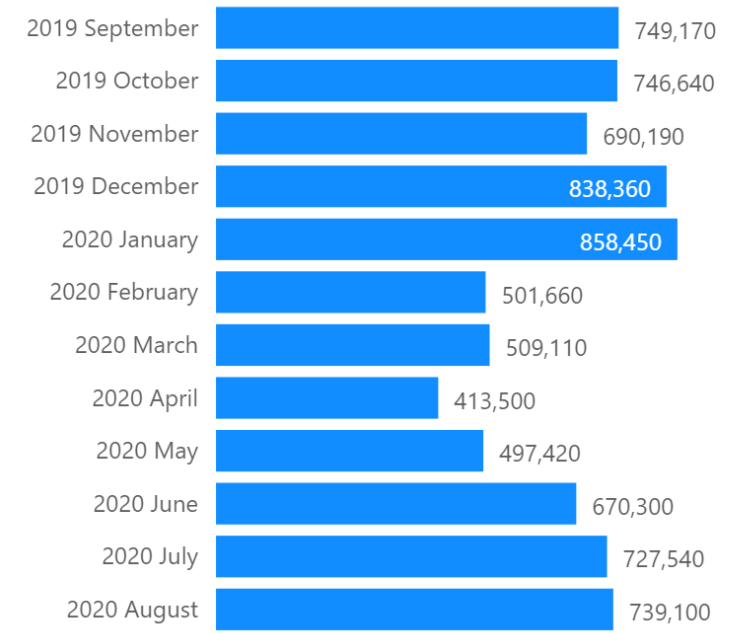


**System Size** One module 200' x 36'  
**Flow Design** 80,000 Gallons per Day  
**Start Up Date** December 6, 2016  
**BIDA® System Purpose** Remove 90% or more of Biological Oxygen Demand and Total Suspended Solids in facility effluent

**Daily Flow GPD**



**Monthly Gallons**



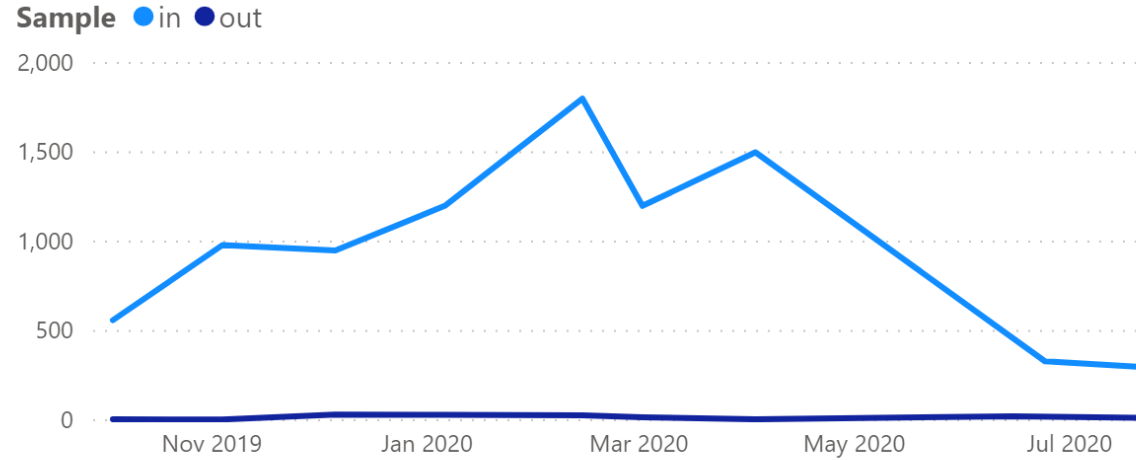
Note: Daily flows exceeding the maximum design flow are shown in a different color.

Treated Water	Month		Year		Lifetime		Last Water Analysis (mg/l)	Attribute in		Attribute Removal		
	Total Gallons	Average GPD	Total Gallons	Average GPD	Total Gallons	Average GPD		in	out	Attribute	Removal	
	739,100	23,842	4,917,080	20,235	23,667,700	17,849	2020-07	BOD	300	13	BOD	96 %
	31	29,810	243	48,990	1326	59,380		TSS	81	12	TSS	85 %
	Days Irrigated	Peak GPD	Days Irrigated	Peak GPD	Days Irrigated	Peak GPD						

## Water Analysis Data (mg/l)

Attribute	BOD		TSS	
	in	out	in	out
<b>2019</b>	<b>830</b>	<b>14</b>	<b>1,520</b>	<b>14</b>
October	560	5	960	13
November	980	4	2,000	7
December	950	32	1,600	22
<b>2020</b>	<b>1,055</b>	<b>19</b>	<b>1,867</b>	<b>19</b>
January	1,200	30	2,000	21
February	1,800	27	2,700	23
March	1,200	16	4,100	23
April	1,500	5	2,200	21
June	330	22	120	14
July	300	13	81	12
<b>Average</b>	<b>980</b>	<b>17</b>	<b>1,751</b>	<b>17</b>

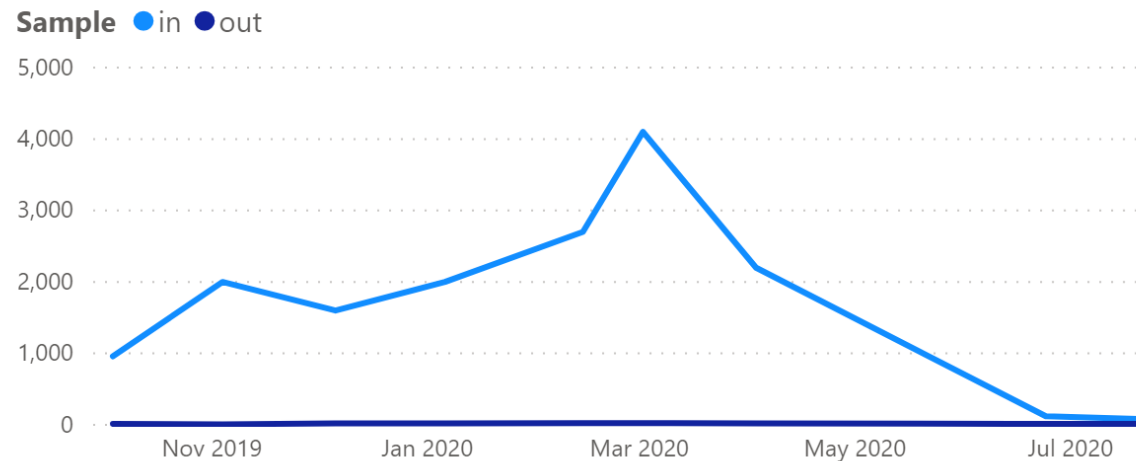
## Biological Oxygen Demand (mg/l)



## Removal

Year	BOD	TSS
<b>2019</b>	<b>98 %</b>	<b>99 %</b>
October	99 %	99 %
November	100 %	100 %
December	97 %	99 %
<b>2020</b>	<b>98 %</b>	<b>99 %</b>
January	98 %	99 %
February	99 %	99 %
March	99 %	99 %
April	100 %	99 %
June	93 %	88 %
July	96 %	85 %
<b>Average</b>	<b>98 %</b>	<b>99 %</b>

## Total Suspended Solids (mg/l)



## Lifetime Water Analysis Overview

### BOD (mg/l)

Sample	Average	Peak
in	1,078	8,900
out	32	250

### TSS (mg/l)

Sample	Average	Peak
in	1,408	11,000
out	30	100