

**MAINTENANCE DEPARTMENT
MONTHLY OPERATIONS REPORT
FOR THE MONTH OF: AUGUST 2020
PREPARED: SEPTEMBER 2020**

MEASURE	MONTH	UNITS	FY YTD	UNITS
WORK ORDERS (W.O.) PROCESSED	386		974	#
STAFF HOURS REQUIRED FOR W.O.	432.75	HRS.	910.75	HRS.
NON-CORE DUTIES HOURS	80.25	HRS.	322.25	HRS.
CD. MAN HOURS REQUIRED FOR WO	352.5	HRS.	588.5	HRS.
PM FIRE HYDRANTS	88		199	
FIRE HYDRANT REPAIR	1		2	
PM VALVE EXERCISED	0		0	
MANHOLE INSPECTIONS	31		167	
CCTV SEWER LINE	0	L. FT.	457	L. FT.
SEWER LINE CLEANED	0	L. FT.	388	L. FT.
SL RAT INSPECTIONS	4,961	L. FT.	29,519	L. FT.
VEHICLES SERVICED/REPAIRED	23		50	
# OF WATER BREAKS	0		1	
# OF SEWER BACKUPS	0		0	
# OF CLEANOUTS INSTALLED	0		0	
# OF MISS UTILITY TICKETS	132		294	
# OF METERS READ	34		78	
# OF METERS SHUT OFF	0		0	
# OF METERS TURNED ON	0		0	
# OF REPLACED METERS	0		0	
# OF REPLACED REGISTERS	0		0	
# OF NEW ACC. METER INSTALLS	0		3	
# OF LEAK CHECKS	45		102	
# OF REPLACED MIUs (Radios)	34		45	
CUSTOMER COMPLAINTS	0		0	
WATER COMPLAINTS REC'D	0		0	
WATER COMPLAINTS RESOLVED	100	%	100	%
WASTEWATER COMPLAINTS REC'D	0		0	
WASTEWATER COMPLAINTS RES'D	100	%	100	%
BULK WATER GALLONS AT NEW RATE	0	Gallons	0	Gallons
BULK WATER SALES-(rate \$15.18per)	\$0.00		\$0.00	

ACCOMPLISHMENTS

Community event sign work orders
 Fleet Maintenance
 Emptied public trash cans weekly
 Clean/Re-stock dog waste stations weekly
 Weekly mowing operations
 Equipment Maintenance
 Removed fallen trees from ROW due to storm damage
 Right of way clearing/tree trimming
 Weed control on town properties and easements
 Cleaned storm drain inlet at 741 Sturbridge
 Repaired and painted 32nd Street Handrail
 Asset Inventory
 Cleaned up around Pullen House property
 Backfilled around storm drain inlet at 821 Country Club Dr.
 Radar data collection for 32nd/Main Street Project
 Trail Maintenance at Chapman DeMary Trail
 Bush hogged town properties and easements
 Repaired damaged signs and posts
 Assisted WWTP with a leak
 Assisted Water Plant with a broken valve
 Assisted Water Plant with a broken vault lid
 Fixed 8 inch sewer main that was damaged by contractor on Nursery Ave.
 Repaired 3 sewer laterals that were damaged by mowers
 Repaired damaged fire hydrant at Starbucks

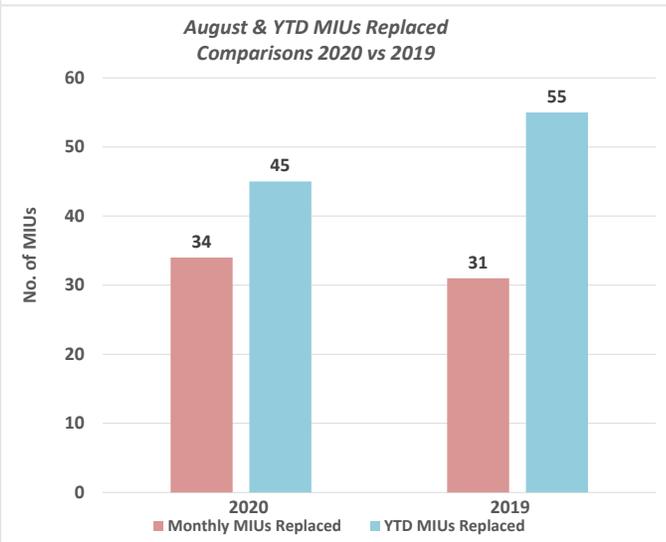
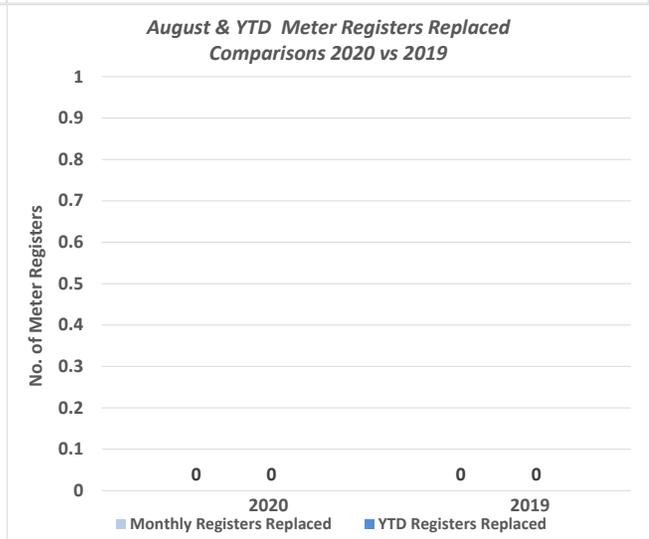
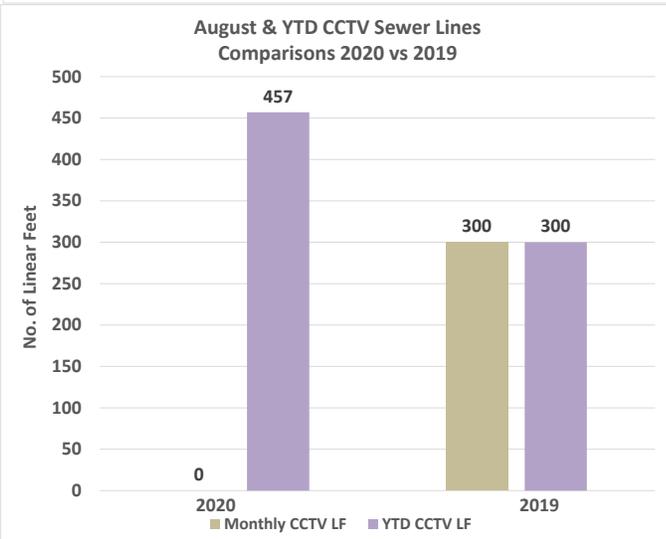
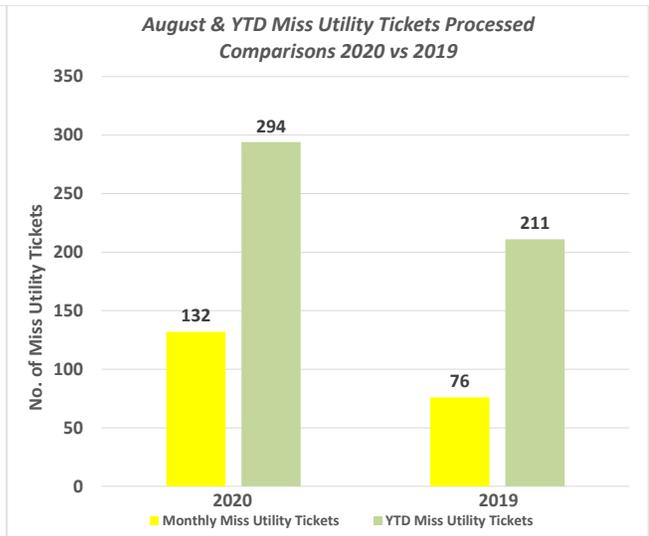
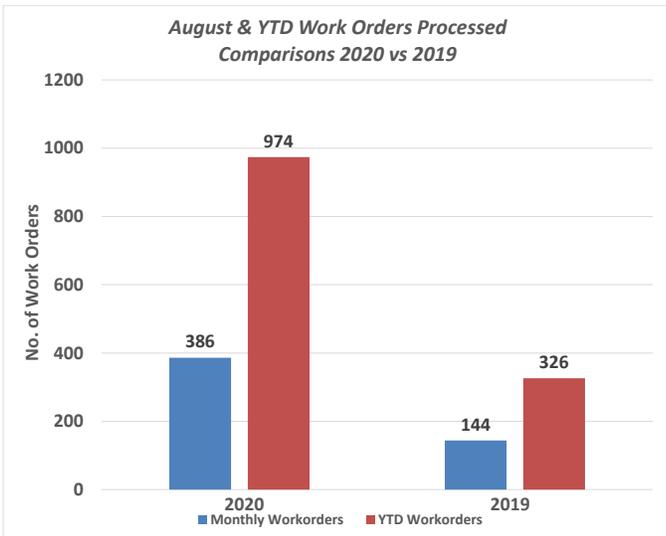
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MEASURE	MONTH	UNITS	FY YTD	UNITS
WORK ORDERS (W.O.) PROCESSED	144		326	#
STAFF HOURS REQUIRED FOR W.O.	410.25	HRS.	768	HRS.
NON-CORE DUTIES HOURS	36	HRS.	84	HRS.
CD. MAN HOURS REQUIRED FOR WO	374.25	HRS.	684	HRS.
PM FIRE HYDRANTS	34		51	
FIRE HYDRANT REPAIR	0		1	
PM VALVE EXERCISED	0		1	
MANHOLE INSPECTIONS	0		9	
CCTV SEWER LINE	300	L. FT.	300	L. FT.
SEWER LINE CLEANED	2,366	L. FT.	2,366	L. FT.
SL RAT INSPECTIONS	10,229	L. FT.	10,229	L. FT.
VEHICLES SERVICED/REPAIRED	2		15	
# OF WATER BREAKS	0		0	
# OF SEWER BACKUPS	1		1	
# OF CLEANOUTS INSTALLED	0		0	
# OF MISS UTILITY TICKETS	76		211	
# OF METERS READ	27		83	
# OF METERS SHUT OFF	1		5	
# OF METERS TURNED ON	1		5	
# OF REPLACED METERS	0		0	
# OF REPLACED REGISTERS	0		0	
# OF NEW ACC. METER INSTALLS	1		2	
# OF LEAK CHECKS	40		89	
# OF REPLACED MIUs (Radios)	31		55	
CUSTOMER COMPLAINTS	0		0	
WATER COMPLAINTS REC'D	0		0	
WATER COMPLAINTS RESOLVED	100		100	
WASTEWATER COMPLAINTS REC'D	0		0	
WASTEWATER COMPLAINTS RES'D	100		100	
BULK WATER GALLONS AT NEW RATE	0	Gallons	0	Gallons
BULK WATER SALES-(rate \$15.18per)	\$0.00		\$0.00	

ACCOMPLISHMENTS

Weekly mowing operations for town owned properties/facilities
 Bush hogging of town properties and easements
 Re-installed refurbished L-O-V-E letters at Train Station
 Town Hall work orders
 Miss Utility Tickets
 Weekly watering of new trees at Fireman's Field/Bush Tabernacle
 Jet dugout drains at Haske Field
 Trim limbs/trees from right of way on 21st Street and Maple Avenue
 Trim limbs from stop signs town wide
 Installed light pole at bus shelter on 16th Street
 Weekly cleaning and restocking of dog waste stations
 Cleaned and mulched flower beds inside Fireman's Field Park
 Distributed Variable Message Boards for multiple events
 Trimmed right of way on School Street
 Repaired storm drain inlet at School Street and Nursery Avenue
 Trimmed overhanging limbs/sprayed weeds on sidewalks in Valley Springs
 Community Event Sign Maintenance
 Painted STOP bars and crosswalks in Locust Grove, Hirst Farm, Valley Springs and Old Town East
 Prepared Fire Lane curb for painting
 Installed new shutters on Bush Tabernacle
 Painted fire lane curb in Locust Grove and Hirst Farm subdivisions

**Maintenance Department
2020 vs 2019 Comparisons**



**WATER TREATMENT PLANT
MONTHLY OPERATIONS REPORT
FOR THE MONTH OF: AUGUST 2020
PREPARED: SEPTEMBER 2020**

**WATER TREATMENT PLANT
MONTHLY OPERATIONS REPORT
FOR THE MONTH OF: AUGUST 2019
PREPARED: SEPTEMBER 2019**

WATER	MONTH	UNITS	AVG./DAY	UNITS
ALUMINUM SULFATE	1,479.0	lbs.	47.7	lbs.
POLYMER				
METAPHOSPHATE	152.1	lbs.	4.9	lbs.
SODA ASH	2,635.0	lbs.	85.0	lbs.
FLUORIDE (WTP & WELLS)	201.5	lbs.	6.5	lbs.
POTASSIUM PERMANGANATE	24.6	lbs.	0.8	lbs.
CHLORINE (HYPOCHLORITE @ WTP)	371.3	lbs.	12.0	lbs.
CHLORINE RESIDUAL (TANK)			1.9	mg/L
AVERAGE PH (FINISHED)			7.5	SU
BULK WATER SALES	0	gals.	0.0	gals.
INLINE METER, COOPER SPRINGS	3,884,864	gals.	125,318.2	gals.
JEFFERIES WELL	1,026,300	gals.	33,106.5	gals.
WATER PLANT GALLONS	10,024,000	gals.	323,354.8	gals.
MARSH WELL	1,904,800	gals.	61,445.2	gals.
MOUNTAIN VIEW WELL	492,807	gals.	15,897.0	gals.
MAIN STREET VILLAGES WELLS (MS-1 & VC)	2,984,792	gals.	96,283.6	gals.
CORNWELL #2 WELL	1,676,366	gals.	54,076.3	gals.
FORBES WELL	1,181,216	gals.	38,103.7	gals.
HIRST #2 WELL		gals.	0.0	gals.
TOTAL WATER FLOW	18,263,981	gals.	589,160.7	gals.

RESERVOIR LEVELS:	1-Aug-2020	31-Aug-2020
FRONT LAKE:	5.1'	5.5'
BACK LAKE	4.9'	<3.0'
RAINFALL:	3.59"	

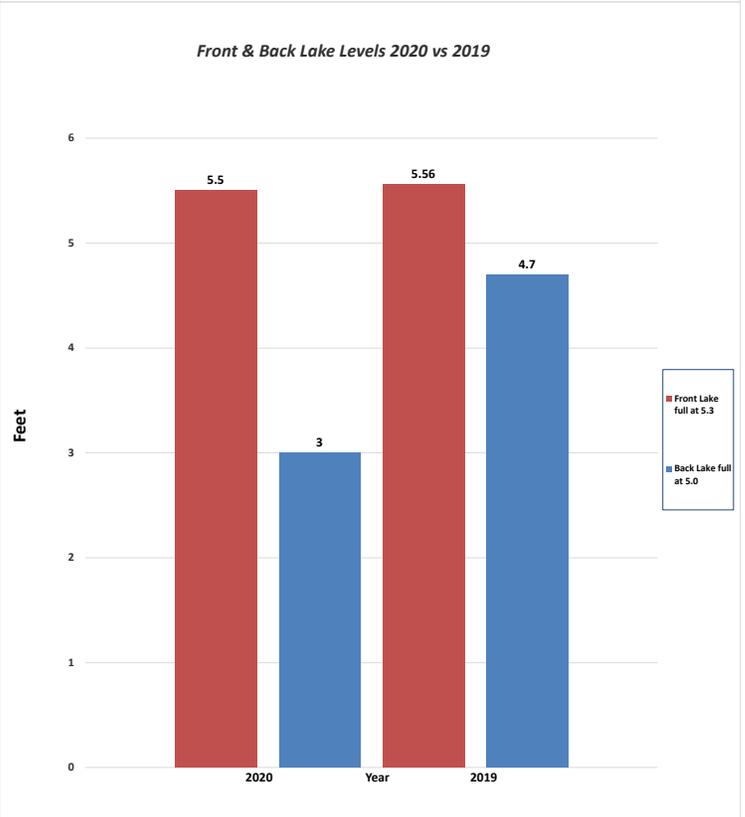
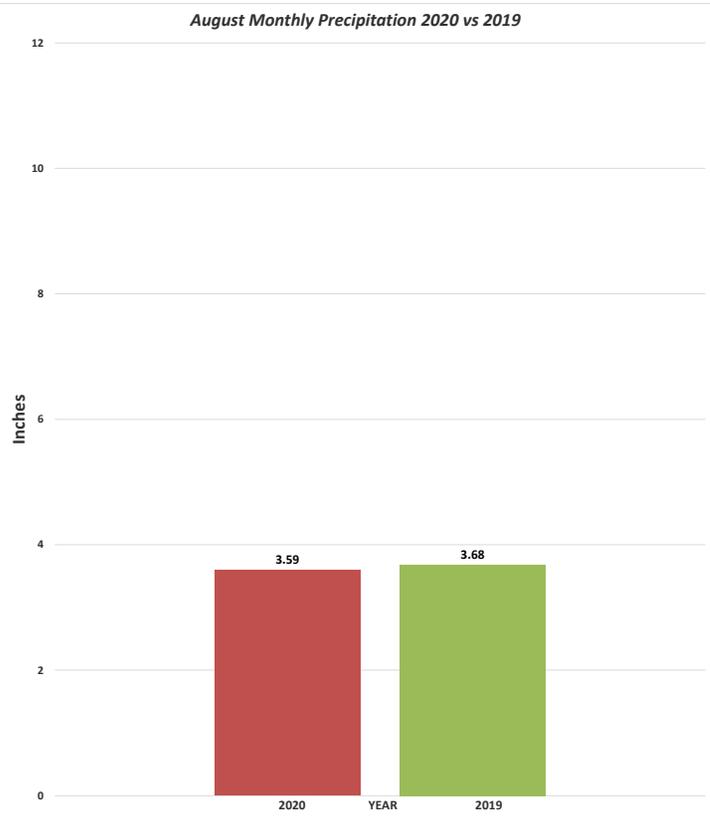
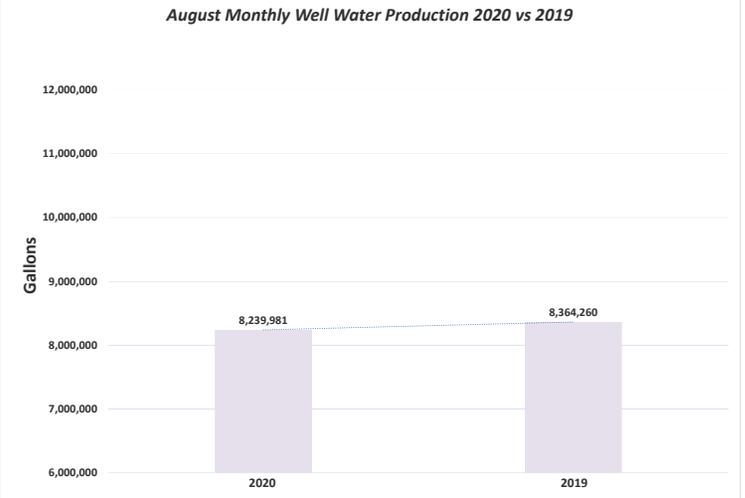
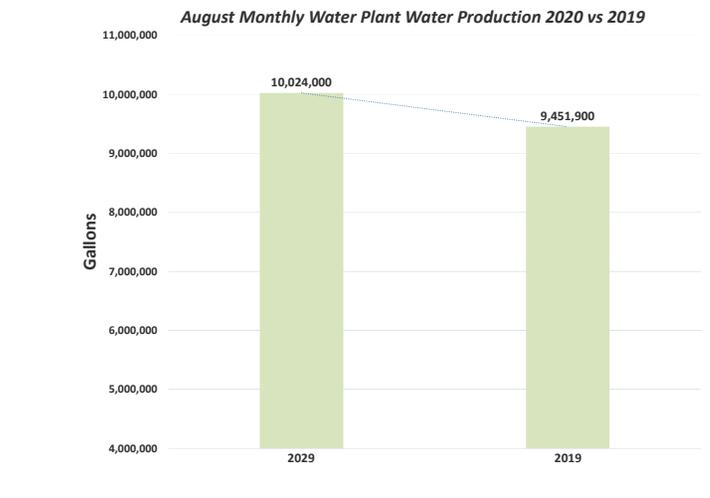
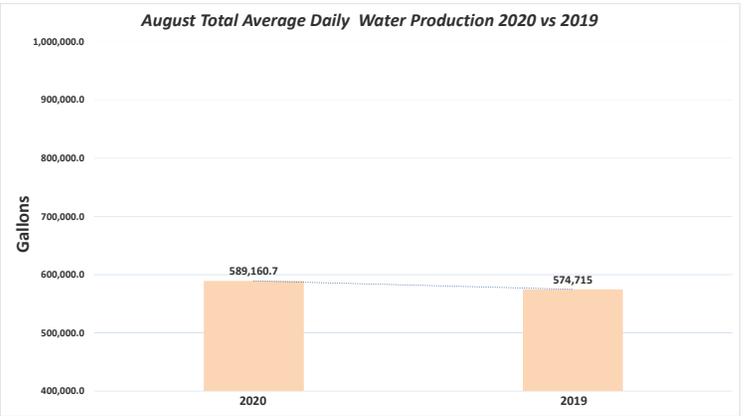
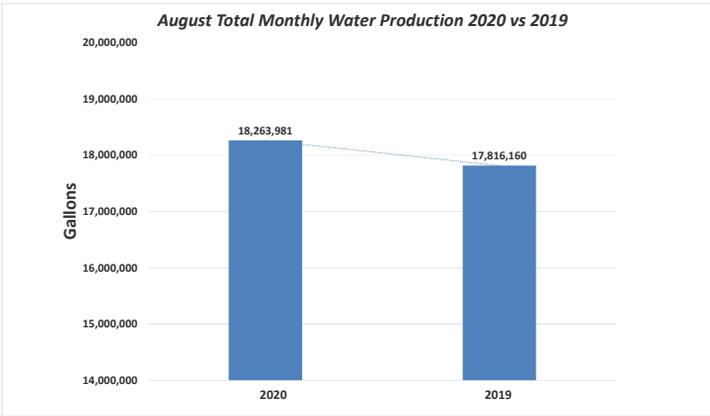
WATER	MONTH	UNITS	AVG./DAY	UNITS
ALUMINUM SULFATE	1,291.0	lbs.	41.6	lbs.
POLYMER				
METAPHOSPHATE	310.0	lbs.	10.0	lbs.
SODA ASH	2,265.1	lbs.	73.1	lbs.
FLUORIDE (WTP & WELLS)	185.3	lbs.	6.0	lbs.
POTASSIUM PERMANGANATE	29.5	lbs.	1.0	lbs.
CHLORINE (HYPOCHLORITE @ WTP)	328.1	lbs.	10.6	lbs.
CHLORINE RESIDUAL (TANK)			1.7	mg/L
AVERAGE PH (FINISHED)			7.5	SU
BULK WATER SALES	-	gals.	0	gals.
INLINE METER, COOPER SPRINGS	4,829,586	gals.	155,793	gals.
JEFFERIES WELL	0	gals.	0	gals.
WATER PLANT GALLONS	9,451,900	gals.	304,900	gals.
MARSH WELL	1,745,900	gals.	56,319	gals.
MOUNTAIN VIEW WELL	281,613	gals.	9,084	gals.
MAIN STREET VILLAGES WELLS (MS-1 & VC)	3,262,222	gals.	105,233	gals.
CORNWELL #2 WELL	1,651,823	gals.	53,285	gals.
FORBES WELL	1,422,702	gals.	45,894	gals.
HIRST #2 WELL		gals.	0	gals.
TOTAL WATER FLOW	17,816,160	gals.	574,715	gals.

RESERVOIR LEVELS:	1-Aug-2019	31-Aug-2019
FRONT LAKE:	5.6'	5.56'
BACK LAKE	4.86'	4.70'
RAINFALL:	3.68"	

ACCOMPLISHMENTS

VDH ODW Monthly Operating Report due 09/10 was submitted electronically on 09/10/2020.
Four Weekly Water Production Reports were completed.

**Water Well Production Facilities
August 2020 vs 2019 Comparisons**



**WATER RECLAMATION FACILITY
MONTHLY OPERATIONS REPORT
FOR THE MONTH OF: August 2020
PREPARED: September 2020**

**WATER RECLAMATION FACILITY
MONTHLY OPERATIONS REPORT
FOR THE MONTH OF: August 2019
PREPARED: September 2019**

MEASURE	MONTH	AVG./DAY
INFLUENT FLOW	18,501,600 GAL	596,800 GAL
EFFLUENT FLOW	20,882,200 GAL	673,600 GAL
MAXIMUM DAY INFLUENT	1,356,500 GAL	
FERRIC CHLORIDE	3,274 GAL	106 GAL
CITRIC ACID	141 GAL	71 GAL
SODIUM HYPOCHLORITE	135 GAL	23 GAL
METHANOL	1,042 GAL	34 GAL
RAIN	10.20 IN.	0.35 IN.

MEASURE	MONTH	AVG./DAY
INFLUENT FLOW	13,201,300 GAL	425,800 GAL
EFFLUENT FLOW	16,886,700 GAL	544,700 GAL
MAXIMUM DAY INFLUENT	544,700 GAL	
FERRIC CHLORIDE	3,607 GAL	116 GAL
CITRIC ACID	142 GAL	71 GAL
SODIUM HYPOCHLORITE	447 GAL	64 GAL
METHANOL	862 GAL	28 GAL
RAIN	3.65 IN.	0.12 IN.

MONTHLY TOTAL NUTRIENT DISCHARGE

TOTAL NITROGEN	64 LBS.
TOTAL NITROGEN YTD	705 LBS.
AVG. DAILY NITROGEN	0.39 MG/L
VPDES NITROGEN LIMIT	4.0 MG/L
TOTAL PHOSPHORUS	46 LBS.
TOTAL PHOSPHORUS YTD	263 LBS.
AVG. PHOSPHORUS DAILY	0.28 MG/L
VPDES PHOSPHORUS LIMIT	0.3 MG/L

MONTHLY TOTAL NUTRIENT DISCHARGE

TOTAL NITROGEN	55 LBS.
TOTAL NITROGEN YTD	552 LBS.
AVG. DAILY NITROGEN	0.41 MG/L
VPDES NITROGEN LIMIT	4.0 MG/L
TOTAL PHOSPHORUS	31 LBS.
TOTAL PHOSPHORUS YTD	265 LBS.
AVG. PHOSPHORUS DAILY	0.23 MG/L
VPDES PHOSPHORUS LIMIT	0.3 MG/L

ACCOMPLISHMENTS

All Staff received training on (EMS) , Inspection requirements for AST's
(Plant Process) Fine Scteenig, (Safety) Clothing Safety and PPE
(LAB) Operators Transition back TP Analysis , 7:30 Sample Collection and Ecording Flow Numbers.
72 Wet tons of bio-solids for land application.
Submitted VDEQ discharge monitoring report, Virginia's nutrient report & Chesapeake Nutrient 5 Year Plan.

NIA No information available at this time.

Basham Simms Water Reclamation Facility 2020 vs 2019 Comparisons

