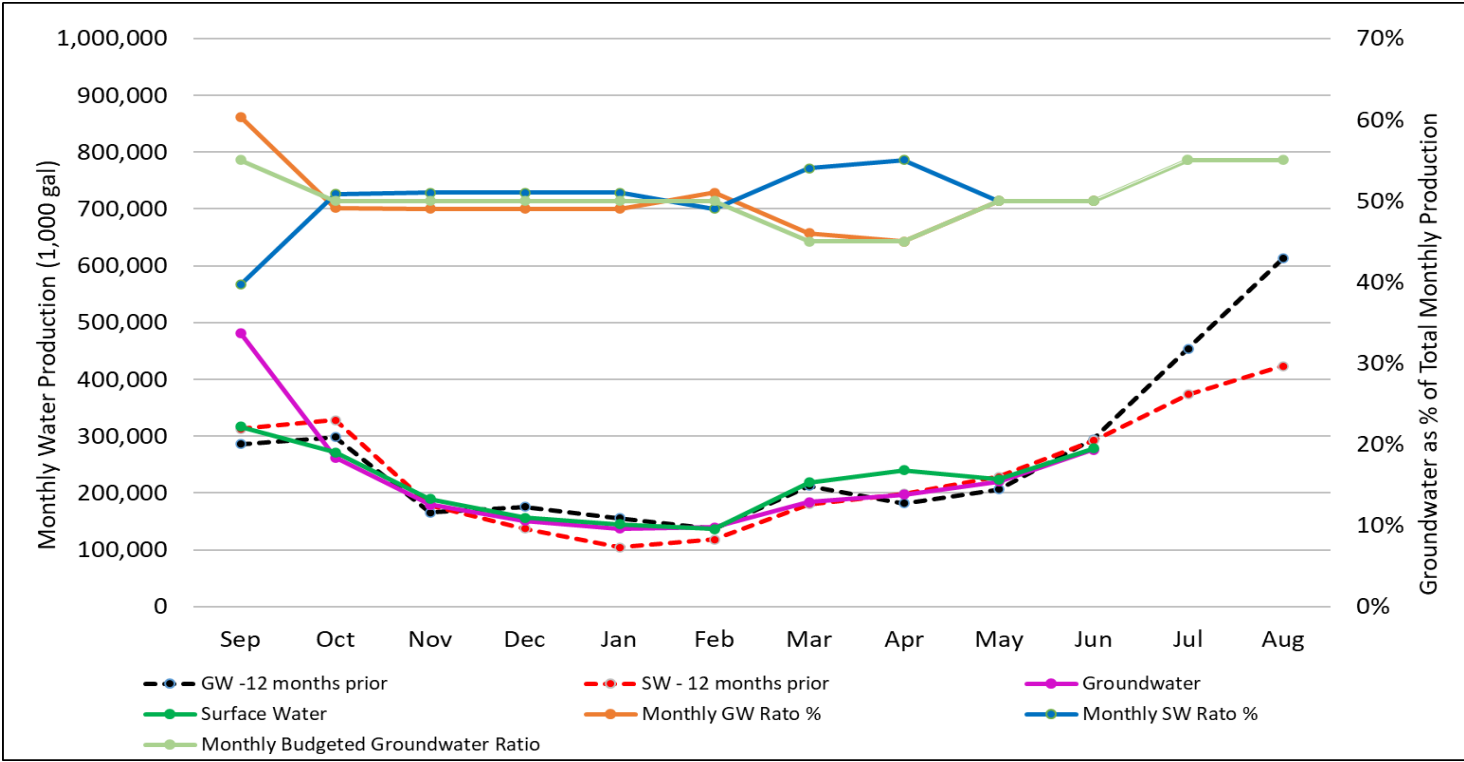
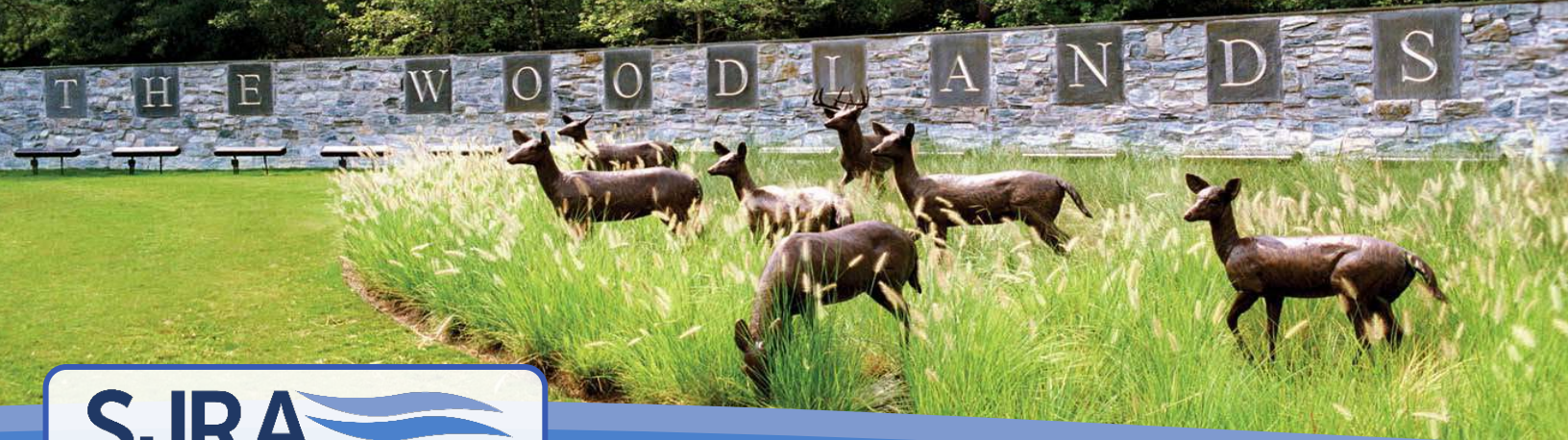


# WOODLANDS MONTHLY OPERATIONS REPORT

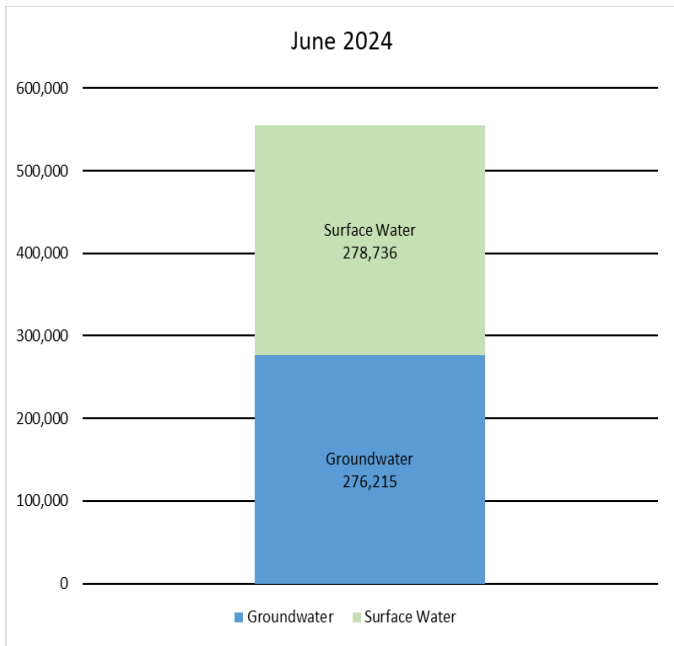
## JUNE 2024



FY	Gallons (1,000)	
	Groundwater	Surface Water
2020	3,355,754	2,324,634
2021	2,810,265	2,438,112
2022	3,601,249	2,303,308
2023	3,181,716	2,875,982
(FYTD) 2024	2,228,495	2,177,107

Blend %	
Groundwater	Surface Water
59%	41%
54%	46%
61%	39%
53%	47%
50%	50%

Budgeted %	
Groundwater	Surface Water
65%	35%
65%	35%
65%	35%
50%	50%
50%	50%



Surface Water 50% Groundwater 50%

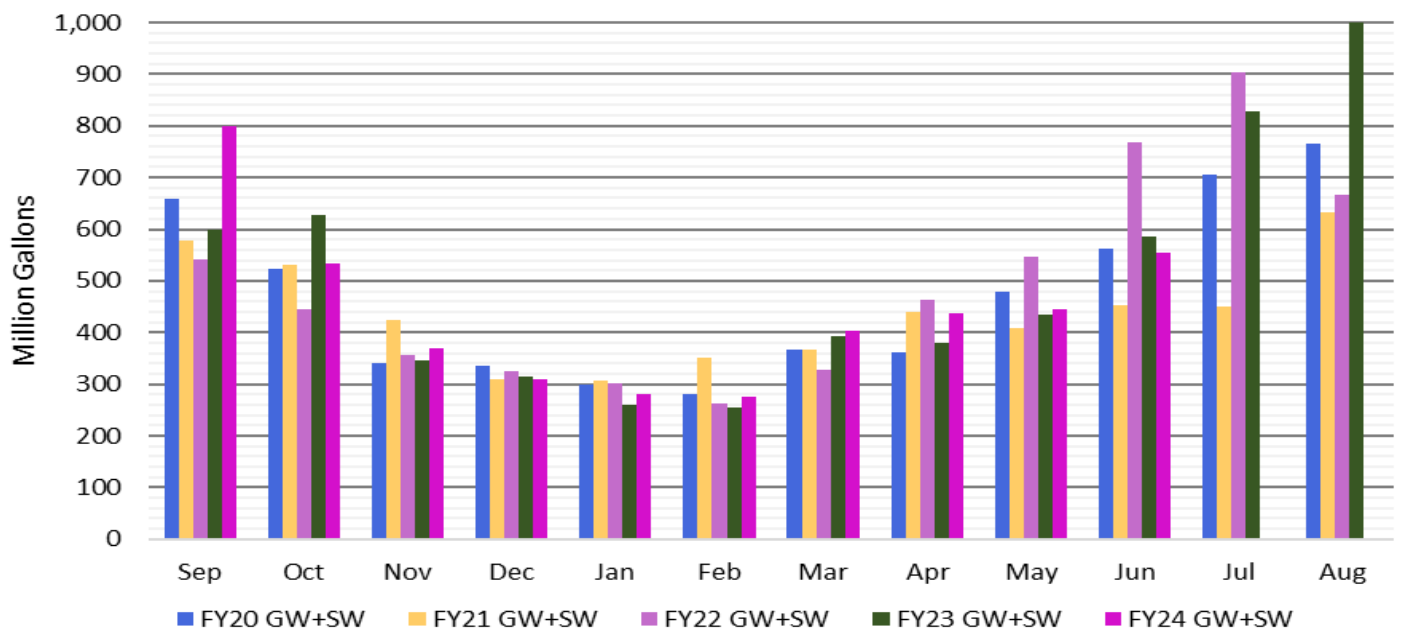
Rolling 12 Month Water Loss June 2023 - May 2024	
Accounted for Loss	1.59%
Unaccounted for Loss	3.21%
<b>Total Loss</b>	<b>4.80%</b>

\*Water loss budgeted at 5.5%

\*Due to timing of monthly MUD billing the Water Loss report is a month behind.

Monthly Accounted for Water Loss (Gallons)				
Date	Fire Flow	Flush	Breaks	Cause
June 3, 2024			1,619,844	12" water leak on Players Bend.
June 3, 2024			18,000	12" AC service line failed, 38 Maple Branch
June 6, 2024		300,000		Wells 17&18 collection line flush (all flushes)
June 25, 2024		12,030		Flush EST 3 (62.9)
June 26, 2024		21,255		Flush EST 5 (66.0)
June 28, 2024		50,960		Deadend Main Flush
Multiple		246,100		242 Flushing for new construction sampling
Multiple		157,470		System Flushing at Grogan's Point and Sawmill

### Woodlands Production and Delivery FY2020-2024



## 2.0 WASTEWATER DATA

For the purpose of the Woodlands Monthly Operations Report, monthly wastewater data reported to TCEQ is reported in the following tables.

Parameter	WWTF No. 1		WWTF No. 2		WWTF No. 3	
	Permitted	Reported	Permitted	Reported	Permitted	Reported
Permitted Flow (MGD)	7.8	3.075	6.0	3.599	0.9	0.528
2-Hour Peak Flow (MGD)	18.0	5.99 6/10/2024 (.78")	15.60	5.88 6/5/2024 (.53")	3.6	1.34 6/12/24 (1.69")
Chlorine (mg/l)	0.1	0.03	0.1	0.03	1.0 (min) 4.0 (max)	1.38 3.98
E. coli (colonies per 100 ml)	200	1.0	200	4.0	200	1.0

## 3.0 INFRASTRUCTURE MAINTENANCE

Asset	Location	Purpose	Issue	Out of Service	In Service	Schedule to Repair
Water Well Collection Line 17&18	Woodlands Parkway & Six Pines	Carry raw water from well to water plant	Leak in roadway	03/2023	Repaired 6/6/2024 in service 6/26/2024	Repairs started on June 3 <sup>rd</sup> and ended on June 6 <sup>th</sup> .
12" PVC water line	Player's Bend and west of S. Knightsgate	Potable water transmission	Failure, crack at the bell	6/3/2024	6/3/2024	Line was repaired same day. Approx 75 homes effected
12" AC water line	38 Maple Branch	Potable water transmission	Leak found by WWA, determined it was the 12" AC line leaking	6/3/2024	6/3/2024	Line was excavated, followed leak under driveway, which needed removed. Found failed service tap.
16" PVC water line and 16" well collection line (three locations)	SH 242	Potable water transmission and raw well water conveyance	Conflict with TXDOT drainage improvements	Varies. Project started 6/24/2024	Varies per completion of each section	Estimated completion of all sections July 15 <sup>th</sup> , 2024
Aeration Basins 1 & 2	WWTF No. 1	Biological treatment of wastewater	Structural issues	03/01/2012		To be demolished; Awaiting WW Master Plan
LS-6 Electrical Rehabilitation	Lift Station 6	Upgrade obsolete electrical equipment and add a PLC for SCADA control	Replace and Elevate new control panels to keep out of flood plain	Remaining in service		Still pulling in and landing wires, generator has arrived. To start fabricating base for new genset.

Wells 5, 11, 22, 26, 32	Varies	Raw water for treatment	Down for rehab	Varies		Wells 5, 11, 32 – Spring 2024; Wells 22 & 26 – FY25
Wells 7, 13 and 30	Varies	Raw water for treatment	Pump failure	Varies		Scheduled Repair – FY25

Work Orders	# of Work Orders	Hours Spent	Work Orders	# of Work Orders	Hours Spent
Preventive Maintenance (PM)	311	412.22	Corrective Maintenance (CM)	47	227.50

## **4.0 FINANCIAL**

**Due to implementation of the new accounting system, financial information will not be available.**

## 5.0 PROJECTS AND FUNDING

Project	MUD	Funding	Phase	Budget(s)	Contract Amount(s)	*Invoiced to Date	Contract Complete	Status	
South Shore Gravity Main Rehab	1 6 7	2017 Bonds R&R	Design	<b>Design</b>				Nov-24	Design is 75% complete. As design progresses, addressing coordination with other entities that will need to occur during construction.  Construction estimated to begin February 2025.
				Bonds \$2,025,600	Bonds \$0	Bonds \$0			
				R&R \$322,134	R&R \$1,097,175	R&R \$343,879			
				<b>Construction</b>				TBD	
				Bonds \$10,486,750	Bonds \$0	Bonds \$0			
WWTF No. 2 Tertiary Filters	7 67	R&R	Design	<b>Design</b>				July-24	Design – Consultant working on updates to drawings and specifications. Also, SJRA is working to add language to allow for TWDB funding. Project advertisement pending TWDB approval of project and procurement language  Construction is anticipated to begin by end of calendar year.
				\$917,000	\$376,118	\$327,387			
				<b>Construction</b>				TBD	
\$5,734,000	\$0	\$0							



Project	MUD	Funding	Phase	Budget(s)	Contract Amount(s)	*Invoiced to Date	Contract Complete	Status
Lift Station Rehab	All	R&R	Design / Construction	Design				Funding for various pipe and valve replacements, coating of concrete, generator installations, etc.  Currently working on installation of generators and new control panels at several lift stations.
				\$54,000	\$32,318	\$32,318	Aug-24	
				Construction				
				\$792,000	\$570,418	\$485,026	Aug-24	
WWTF No. 1 Master Plan	All	2017 Bonds	Study	Study				The final report was received on January 15, 2024, and transmitted to the MUD Directors. Ability to progress to Phase 3 for design contingent on MUD approval. Project closeout pending final invoicing.
				\$500,000	\$500,000	\$484,150	Jan-24	
Owner Advisor for new WWTF No. 1	All	R&R/ Bond	OA Services	Owner's Advisor Services				The scope will be pending adjustment and approval by Trustees.
				\$550,000	\$559,096	\$1,524	Jan-25	

Project	MUD	Funding	Phase	Budget(s)	Contract Amount(s)	*Invoiced to Date	Contract Complete	Status
WWTF No. 2 Headworks Rehab	7 67	R&R	Construction	<b>Design</b>				Rehabilitation work on headworks is nearing completion. Substantial completion should be reached in the first week of July 2024.
				\$244,000	\$375,982	\$264,540	Mar-23	
				<b>Construction</b>				
				\$1,456,000	\$1,785,000	\$741,199	Aug-24	
Lift Station No. 1 Gravity Main Bypass and Decommissioning	6	R&R	Design	<b>Design</b>				Design is approximately 60% complete and is scheduled to be complete by February 2025.
				\$168,150	\$168,874	\$23,711	Feb-25	
Wastewater Conveyance Optimization	6	2017 Bonds R&R	Study	<b>Design</b>				The study is approximately 75% complete. Three short-listed route alternatives are being reviewed.
				Bonds \$689,000	Bonds \$747,749	Bonds \$286,963	Aug-24	
				R&R \$41,000	R&R \$0	R&R \$0		
				<b>Construction</b>				
				\$0	\$0	\$0	TBD	
WWTF No. 2 Field Services Storage Building	6	Cash R&R	Construction	<b>Design</b>				Foundation work is nearing completion and metal building being fabricated.
				Cash \$19,980	Cash \$19,980	Cash \$19,980	Nov-23	
				R&R \$21,020	R&R \$13,446	R&R \$13,446		



Project	MUD	Funding	Phase	Budget(s)	Contract Amount(s)	*Invoiced to Date	Contract Complete	Status
				<b>Construction</b>				
				Cash \$10,685	Cash \$5,897	Cash \$5,897	Oct-24	
				R&R \$459,000	R&R \$483,963	R&R \$13,225		
Digital Water System	All	R&R	Design	<b>Design</b>				Working on functionality of existing dashboards and planning for predictive analysis, financial model integration, and project planning. Scope for Phase 3 being developed.
				\$250,000	\$248,600	\$248,581	Aug-24	
Town Center Water Line Renewal	Metro 6 36 60 67	R&R	Design (On Hold)	<b>Design</b>				Design is 97% complete. Metes and bounds for easements being finalized. Preliminary work for land acquisition underway. Design completion on hold.
				\$754,000	\$802,866	\$643,007	Feb-24 (on-hold)	
				<b>Land Acquisition</b>				
				\$1,533,500	\$243,417	\$202,258	Aug-25	
				<b>Construction</b>				
				\$0	\$0	\$0	TBD	
AC Water Lines Condition Based Assessment	All	R&R	Study	<b>Study</b>				Consultant working to develop condition assessment plan. Also, consultant will be testing samples of AC pipe previously
				\$1,600,000	\$0	\$0	Jun-25	

Project	MUD	Funding	Phase	Budget(s)	Contract Amount(s)	*Invoiced to Date	Contract Complete	Status
								removed for repairs in system.
Harper's Landing Water Line Loop Install	39	R&R	Construction	<b>Design</b>				All water line installation complete and water line in service. Substantial complete granted May 28, 2024.
				\$125,000	\$57,708	\$50,997	Sep-23	
				<b>Construction</b>				
				\$478,000	\$244,585	\$82,244	May-24	
Pressure Regulating Valve on Grogan's Mill	60	R&R	Construction	<b>Design</b>				Construction complete. Final completion granted on May 1, 2024. Working on final invoicing.
				\$10,000	\$12,379	\$6,993	May-23	
				<b>Construction</b>				
				\$94,000	\$137,448	\$4,946	Apr-24	
Water Plant Nos. 1, 2 & 3 Generators	36 47	R&R	Procurement	<b>Design</b>				Two proposals received on May 10, 2024. Recommended C3 Constructors for award at SJRA July 2024 board meeting.
				\$201,000	\$165,199	\$148,986	Mar-24	
				<b>Construction (Equipment Purchase)</b>				
				\$2,209,000	\$821,443	\$256,641	TBD	

Project	MUD	Funding	Phase	Budget(s)	Contract Amount(s)	*Invoiced to Date	Contract Complete	Status
Water Well Nos. 5, 11 & 32 Rehabilitation	47 60 67	R&R	Construction	Design				Construction in progress. In-well work complete at all three wells. New mechanical equipment is being received and installation started mid-June 2024 at Water Well No. 5. Project work is behind due to delays in getting equipment from fabricators.
				\$119,000	\$0	\$0	Mar-23	
				Construction				
				\$1,313,000	\$946,984	\$283,843	May-24	
Elevated Storage Tank No. 6	47	Cash R&R	Design	Design				Design is approximately 35% complete. Working to finalize site layout and begin hydraulic modeling.
				Cash \$0	Cash \$0	Cash \$0	Jan-25	
				R&R \$570,000	R&R \$612,047	R&R \$81,348		
				Construction				
\$0	\$13,750	\$13,750	TBD					

Project	MUD	Funding	Phase	Budget(s)	Contract Amount(s)	*Invoiced to Date	Contract Complete	Status
Water Well Nos. 22, 26 and 33 Rehabilitation and Water Well No. 2 Abandonment	36 39 46 67	R&R	Procurement	Design				Notice to Proceed given on May 13, 2024. Well equipment has been removed from Wells 22 and 26 for inspection.
				\$114,000	\$0	\$0	Feb-24	
				Construction				
				\$1,250,000	\$1,332,196	\$0	May-25	
WWTF No. 2 Grit Classifier Replacement	7 67	R & R	Design	Design				SJRA and consultant have finalized scope and fee. Will take design work order to SJRA Board for approval in July 2024.
				\$97,000	\$0	\$0	TBD	
				Construction				
\$1,088,000	\$0	\$0	TBD					
WRF No. 1 Land Acquisition	6	R & R	Land Acquisition	Land Acquisition				Land acquisition activities underway for the new Water Reclamation Facility.
				\$10,000,000	\$1,226,278	\$10,163	N/A	

*\*The project financial data is updated through April 30, 2024. The project module in the ERP is in progress, we anticipate bringing updated information next month.*

Design includes all cost to prepare for construction, including:

- Planning & permitting
- Engineering & design
- Land acquisition

Construction includes cost related to construction, including:

- Construction
- Construction phase services (CPS)
- Construction management & inspection (CM&I)
- Construction material testing (CMT)
- Equipment Purchase/Procurement

**Green** – New projects

**Yellow** – Closed projects

# WOODLANDS ACRONYMS AND DEFINITIONS

## ACRONYMS

FY	Fiscal Year
FYTD	Fiscal Year To Date
KPI	Key Performance Indicator
LSGCD	Lone Star Groundwater Conservation District
MGD	Million Gallons Per Day
SJRA	San Jacinto River Authority
TCEQ	Texas Commission on Environmental Quality

## DEFINITIONS

SJRA WO Division

Located in southern Montgomery County, the Woodlands Division provides wholesale water supply and wastewater treatment services to the 100,000-plus population of The Woodlands through the financing, construction, operation, and maintenance of three regional wastewater treatment plants, a wastewater conveyance system with thirty plus lift stations, five water plants, thirty eight water wells, six elevated and eight ground storage tanks, and miles of wastewater collection and potable water distribution lines

SJRA GRP Division

Division of the SJRA responsible for GRP compliance, and the management, administration, operation and maintenance of the surface water facilities and surface water transmission system. The GRP Division operates and maintains a 30 MGD surface water treatment facility and 55 miles of transmission water lines.

Surface Water

Surface water comes from rivers and lakes and receives a high degree of treatment and disinfection prior to being distributed to customers.

Groundwater

The water that fills cracks, voids, and other openings in beds of rocks, sand, and soil is called groundwater. It is found in soils and sands that are able to retain the water — much like a sponge holds water — and is constantly replenished by rainfall or snow.

Wastewater Treatment Plant (WWTF) No. 1

WWTF No. 1 is located north of Sawdust Road, has a design capacity of 7.8 million gallons per day (MGD), and is permitted for a 2-hour peak flow of 18.0 MGD. The WWTF receives raw sewage (influent) from residential dwellings and commercial businesses.

Wastewater Treatment Plant (WWTF) No. 2

WWTF No. 2 is located on Research Forest, has a design capacity of 6.0 MGD, and is permitted for a 2-hour peak flow of 15.6 MGD. The WWTF receives raw sewage (influent) from residential dwellings and commercial businesses.

Wastewater Treatment Plant (WWTF) No. 3

WWTF No. 3 is located in Harpers Landing and has a permitted flow of 0.900 MGD. The WWTF receives influent from residential dwellings and a few commercial businesses.

Please visit our website at [www.sjra.net/woodlands](http://www.sjra.net/woodlands).