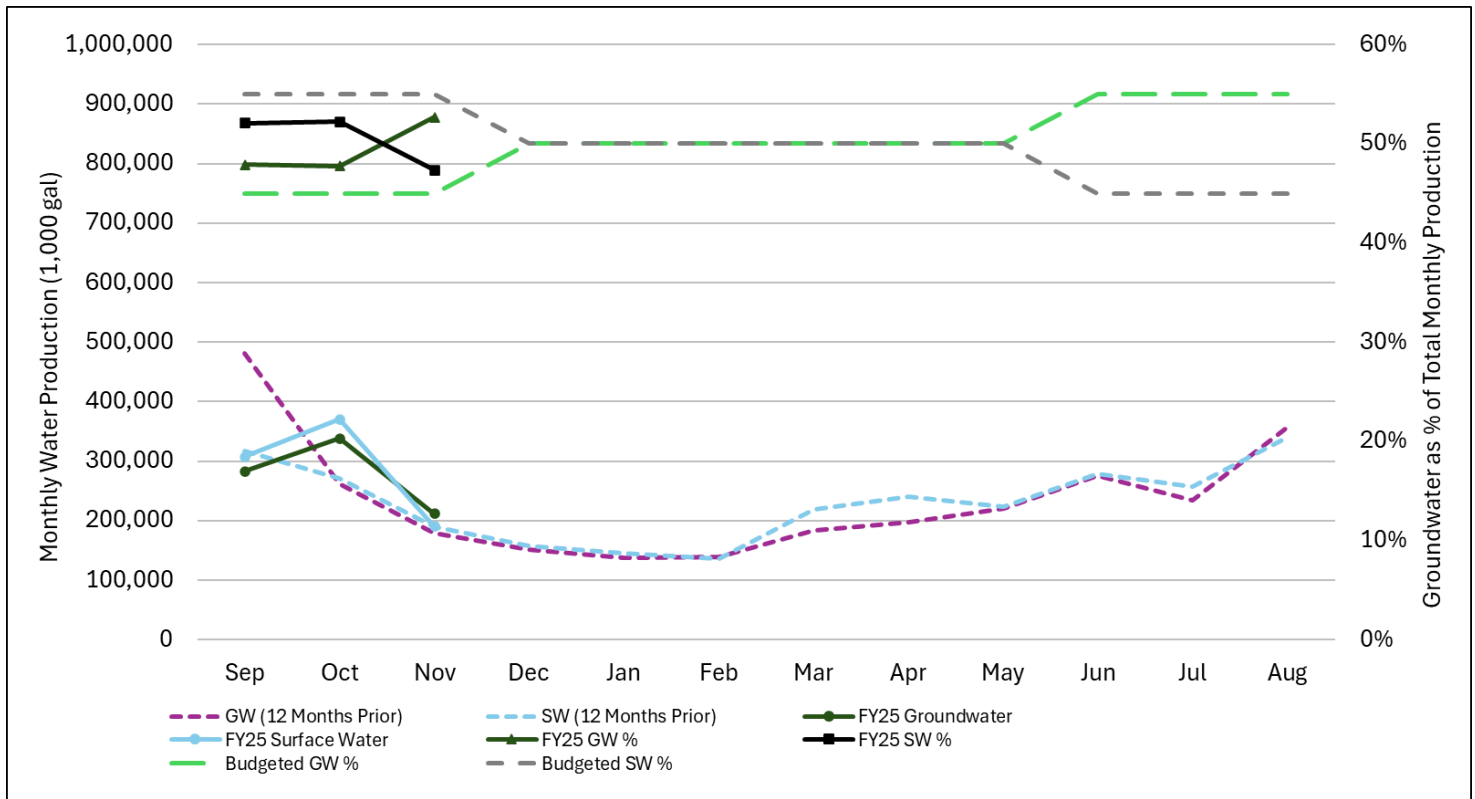
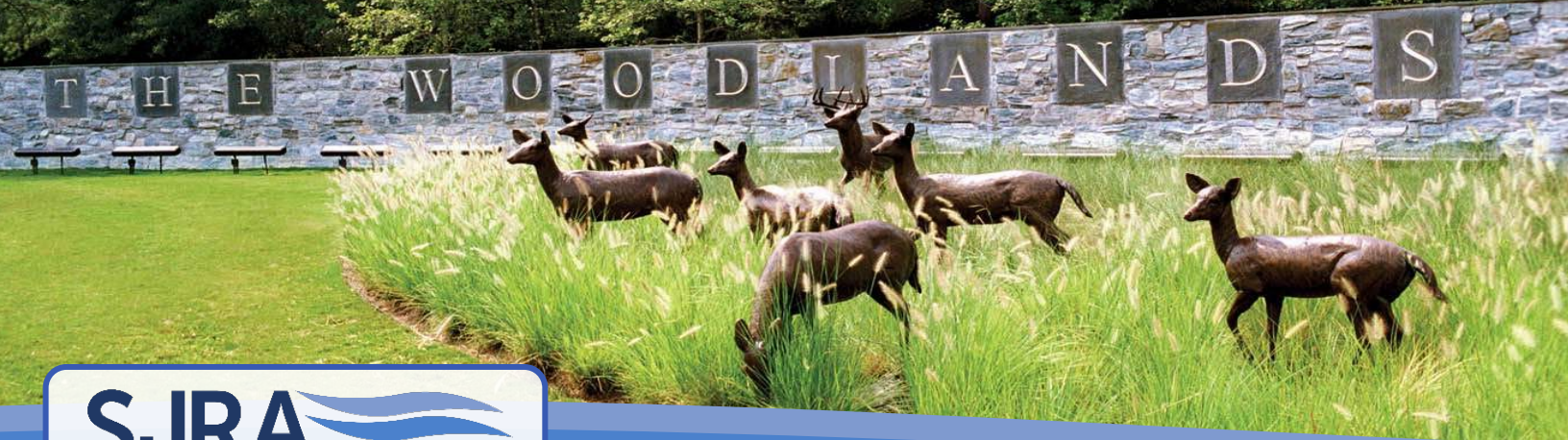
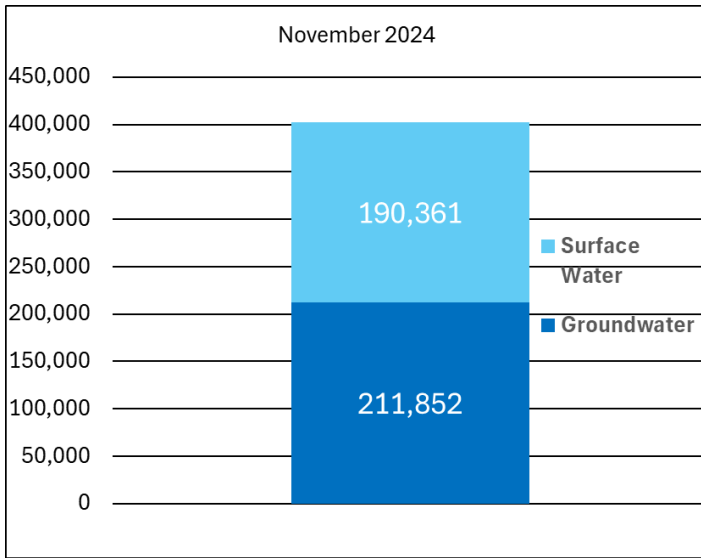


WOODLANDS MONTHLY OPERATIONS REPORT

NOVEMBER 2024



FY	Gallons (1,000)		Blend %		Budgeted %	
	Groundwater	Surface Water	Groundwater	Surface Water	Groundwater	Surface Water
2020	3,355,754	2,324,634	59%	41%	65%	35%
2021	2,810,265	2,438,112	54%	46%	65%	35%
2022	3,601,249	2,303,308	61%	39%	65%	35%
2023	3,181,716	2,875,982	53%	47%	50%	50%
2024	2,820,645	2,775,491	50%	50%	50%	50%
(FYTD) 2025	833,113	867,879	49%	51%	50%	50%



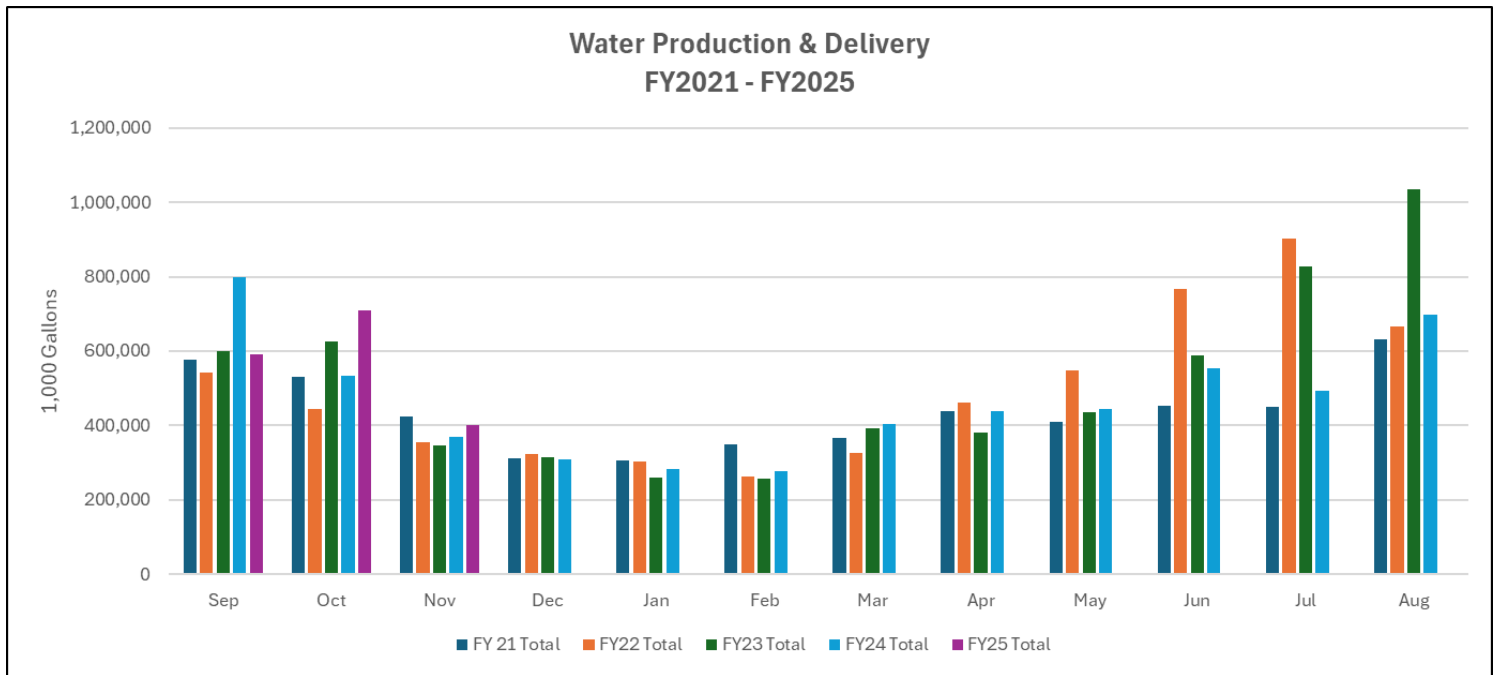
Surface Water 47% Groundwater 53%

Water Loss*		
	Rolling 12	FYTD 2025**
Accounted Loss	1.1%	0.4%
Unaccounted Loss	4.1%	3.1%
Total Loss	5.2%	3.5%

*Due to timing of monthly MUD billing, water loss report is one month behind.

**Water loss budgeted at 4.0% for FY2025

Monthly Accounted for Water Loss (Gallons)				
Date	Fire Flow	Flush	Breaks	Cause
November 2024		101,350		Flushing of dead-ends and water towers.



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	2.923	6.0	3.537	0.9	0.519
2-Hour Peak Flow (MGD)	18.0	5.840 11.5.24 1.17"	15.60	6.180 11.5.24 1.03	3.6	1.770 11.9.24 2.00"
Chlorine (mg/l)	0.1	0.04	0.1	0.05	1.0 (min) 4.0 (max)	1.19 3.87
E. coli (colonies per 100 ml)	200	1.0	200	3.0	200	1.0

INFRASTRUCTURE MAINTENANCE

Asset	Location	Purpose	Issue	Out of Service	In Service	Schedule to Repair
WP-3 BP-4 Replacement	WP-3	Increase output capacity	Capacity	August	Scheduling	Suction and Discharge valve replacement scheduled for 12/3. After valves are replaced, the pump will be installed.
Aeration Basins 1 & 2	WWTF No. 1	Biological treatment of wastewater	Structural issues	03/01/2012	HOLD	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	Electrical and SCADA panel install complete.	Generator scheduled to be set on 12/4 by Crane contractor.
WWTF1 Lift Pump #5	WWTF1	Convey wastewater to the process train	Motor failure	10/30/24	TBD	Repairs underway at Hahn Equipment
WWTF2 Lift Pump #3	WWTF2	Convey wastewater to the process train	Motor failure	10/15/24	TBD	Repairs underway at Hahn Equipment.

Asset	Location	Purpose	Issue	Out of Service	In Service	Schedule to Repair
WWTF3 Lift Pump #2	WWTF3	Convey wastewater to the process train	Pump and motor failure	10/20/24	TBD	VFD was replaced due to bad capacitors in VFD. A new impeller and wear plate has been ordered.
Wells 7, 13 and 30	Varies	Raw water for treatment	Pump failure	Varies	Not Started	Scheduled Repair – FY25

November 2024					
Work Orders	# of Work Orders	Hours Spent	Work Orders	# of Work Orders	Hours Spent
Preventive Maintenance (PM)	278	357.40	Corrective Maintenance (CM)	57	221.50
FYTD (September 1 – October 31)					
Work Orders	# of Work Orders	Hours Spent	Work Orders	# of Work Orders	Hours Spent
Preventive Maintenance (PM)	860	1281.95	Corrective Maintenance (CM)	154	562.50

FINANCIALS

Financial data will be included at the MUD Director's meeting.

PROJECTS

South Shore Gravity Main Rehabilitation	Location			Design		
	MUD 6 The Trails north golf course, the Cove, across Woodlands Parkway to Lake Front Circle			Budget	Contract	Invoiced
				\$989,170	\$1,097,175	\$499,041
				Completion Date:		December-24
	Funding Source(s)			Construction		
	R&R	Bonds		Budget	Contract	Invoiced
	Phase			\$11,275,000	\$-	\$-
Final Design			Estimated Start Date		March-25	
<p>Design is 90% complete. Coordination underway with Golf Course and Montgomery County continuing to review the draft drawings. Temporary access/construction easement acquisition underway.</p>						

WWTF No. 2 Tertiary Filters	Location			Design		
	MUD 67 WWTF No. 2 (5402 Research Forest Dr.)			Budget	Contract	Invoiced
				\$455,118	\$376,118	\$350,539
				Estimated Completion Date:		November-24
	Funding Source(s)			Construction		
	R&R	Bonds		Budget	Contract	Invoiced
	Phase			\$5,657,000	\$-	\$-
Final Design			Estimated Start Date		February-25	
<p>Received comments from TWDB on advertisement documents and sent back revised documents late-November. Advertisement for construction pending completion of TWDB review.</p>						

Owners Advisor (Evaluation of WWTF No. 1 and Cost Comparison Study)	Location			Design		
	MUD 6 WWTF No. 1 (2436 Sawdust Rd.)			Budget	Contract	Invoiced
				\$634,096	\$499,584	\$74,822
				Completion Date:		May-25
	Funding Source(s)			Construction		
	R&R			Budget	Contract	Invoiced
	Phase			NA	NA	NA
Study			Estimated Start Date		NA	
<p>Trustees have restricted the budget to \$500,000. The development of draft Decision Matrix was discussed with Woodlands Water Trustees and MUDs in November. Final matrix to be ready in January, pending review, comments, adjustments, and scoring from Directors. Data review and data requests are underway by consultant.</p>						

Lift Station Rehabilitation	Location			Design		
	All MUDs All lift stations within SJRA- Woodlands			Budget	Contract	Invoiced
				\$54,000	\$32,318	\$32,318
				Completion Date:		August-24
	Funding Source(s)			Construction		
	R&R			Budget	Contract	Invoiced
	Phase			\$792,000	\$641,744	\$565,423
Construction			Estimated Completion Date		August-25	
Currently working on installation of generators and new control panels at LS 6, LS 9, and LS 11. Generators to be set in early December 2024.						

Lift Station No. 1 Gravity Main Bypass & Decommissioning	Location			Design		
	MUD 6 Northwest corner of Grogan's Mill and Woodlands Parkway			Budget	Contract	Invoiced
				\$228,150	\$145,163	\$128,302
				Estimated Completion Date:		February-25
	Funding Source(s)			Construction		
	R&R			Budget	Contract	Invoiced
Phase			\$1,252,000	\$-	\$-	
Final Design			Estimated Start Date		July-25	
The design is approximately 90% complete and is scheduled to be completed by February 2025. Due to complicated construction techniques required due to a steep ditch, design is under additional review. SJRA & Consultant working to get easements acquired prior to construction.						

Wastewater Conveyance Optimization	Location			Route Study		
	MUD 6 All SJRA sewer lines and lift stations (5) between Woodlands Pkwy/Grogan's Mill, WWTF No. 1, & Panther Branch			Budget	Contract	Invoiced
				\$730,000	\$747,749	\$629,474
				Estimated Completion Date:		November-24
				Design		
				Budget	Contract	Invoiced
				\$2,718,000	\$-	\$-
				Estimated Completion Date:		FY 2027
	Funding Source(s)			Construction		
		Bonds		Budget	Contract	Invoiced
Phase			\$40,376,000	\$-	\$-	
Study			Estimated Start Date		FY 2027	
The route and feasibility study are approximately 97% complete. Consultant working to address comments on draft report and recommendations and complete the route study.						

Digital Water System	Location			Design		
	All MUDs Software			Budget	Contract	Invoiced
				\$250,000	\$248,600	\$248,581
				Estimated Completion Date:		August-25
	Funding Source(s)			Construction		
	R&R			Budget	Contract	Invoiced
	Phase			NA	NA	NA
Design			Estimated Start Date		NA	
Phase 3 scope development underway for Bentley WaterSight integration to allow for real-time water quality modeling and analysis. First two phases focused on data clean-up, integration and dashboard building.						

Town Center Water Line Renewal	Location			Design		
	MUD 6 & Metro Grogan's Mill between Woodlands Pkwy and Research Forest / Six Pines between N. Millbend and Timberloch / Lake Woodlands Dr. between Hughes Landing Blvd and Pinecroft Dr.			Budget	Contract	Invoiced
				\$774,000	\$802,866	\$647,650
				Completion Date:		On-Hold
	Funding Source(s)			Construction		
	R&R	Bonds		Budget	Contract	Invoiced
	Phase			TBD	\$-	\$-
Final Design			Estimated Start Date		TBD	
Design is 97% complete. Design completion on hold pending results of AC Water Line Condition Based Assessment project.						

AC Waterline Condition Based Assessment	Location			Design		
	MUDs 1, 6, 7, 36, 46, 60, 67, Metro Throughout the eastern Woodlands			Budget	Contract	Invoiced
				\$1,100,000	\$1,041,579	\$252,345
				Completion Date:		June-25
	Funding Source(s)			Construction		
	R&R	Excess Funds		Budget	Contract	Invoiced
	Phase			\$500,000	NA	NA
Study			Estimated Start Date		NA	
Consultant implementing Phase 1 condition-based assessment technologies including destructive and non-destructive testing. Field analysis underway and should be complete in December. Phase 2 will focus on more destructive testing in Q1 2025. Construction as noted above is designated as excavation and testing.						

Water Plant Nos. 1, 2, & 3 Generator Replacement	Location		Design		
	MUD 36 & 47 Water Plant 1 - 11439 Slash Pine Water Plant 2 - 6140 Shadow Bend Water Plant 3 - 6698 Alden Bridge		Budget	Contract	Invoiced
			\$138,519	\$165,199	\$157,921
			Completion Date:		March-24
	Funding Source(s)		Construction		
	R&R		Budget	Contract	Invoiced
	Phase		\$2,994,316	\$3,169,604	\$928,195
Construction		Estimated Completion Date		October-25	

Generators have been delivered and Contractor has mobilized to Water Plant Nos. 1, 2 and 3. Site work for buildings, generator foundations, and duct banks underway.

Water Well Nos. 5, 11, & 32 Rehabilitation	Location		Design		
	MUDs 47, 60, 67 Well No. 5 - 6140 Shadow Bend Well No. 11 - 10701 Gosling Well No. 32 - 7508 Gosling		Budget	Contract	Invoiced
			\$119,000	\$-	\$-
			Completion Date:		March-23
	Funding Source(s)		Construction		
	R&R		Budget	Contract	Invoiced
	Phase		\$1,313,000	\$946,984	\$805,647
Construction		Estimated Completion Date		October-24	

All three water wells have been placed back into service. All invoices have been paid. Project is completed.

Water Well Nos. 22, 26, & 33 Rehabilitation & Well No. 2 Abandonment	Location		Design		
	MUD 39 & 46 Well No. 22 - 4111 Marisco Rd. Well No. 26 - 8581 Woodlands Pkwy Well No. 33 - 550 N. Trade Center		Budget	Contract	Invoiced
			\$114,000	\$-	\$-
			Completion Date:		February-24
	Funding Source(s)		Construction		
	R&R		Budget	Contract	Invoiced
	Phase		\$1,250,000	\$1,346,731	\$14,535
Construction		Estimated Completion Date		May-25	

Well equipment installed at Well Nos. 22 and 26 and working to get motor installed. Once installed, flushing and sampling to commence. Cleaning work starts soon on Well No. 33, followed by new equipment install. Abandonment of Water Well No. 2 is completed. Contractor stated during the project kick-off that they plan to submit invoice once wells are back online.

Elevated Storage Tank No. 6	Location			Design		
	MUD 47 Southeast corner of Egypt Ln. and Research Forest Dr.			Budget	Contract	Invoiced
				\$988,000	\$612,047	\$227,486
				Estimated Completion Date:		August-25
	Funding Source(s)			Construction		
	R&R			Budget	Contract	Invoiced
	Phase			\$1,178,000	\$13,750	\$13,750
Preliminary Design			Estimated Start Date		TBD	
Preliminary design is approximately 75% complete. The site layout has been finalized and the tank volume analysis being finalized.						

WWTF No. 2 Grit Classifier	Location			Design		
	MUD 67 WWTF No. 2 (5401 Research Forest)			Budget	Contract	Invoiced
				\$97,000	\$106,540	\$25,726
				Estimated Completion Date:		June-25
	Funding Source(s)			Construction		
	R&R	Excess Funds		Budget	Contract	Invoiced
	Phase			\$1,088,000	\$-	\$-
Final design			Estimated Start Date		TBD	
60% design underway. 60% design submittal due on January 14, 2025.						

Water Reclamation Facility No. 1 Land Acquisition	Location			Land Acquisition		
	MUD 6 Land surrounding WWTF No. 1 (2436 Sawdust)			Budget	Contract	Invoiced
				\$10,000,000	\$1,226,278	\$190,729
				Estimated Completion Date:		Varies / On-hold
	Funding Source(s)			Construction		
	R&R			Budget	Contract	Invoiced
	Phase			NA	NA	NA
Procurement			Estimated Start Date		NA	
Voluntary land acquisition underway for two parcels; all others on-hold pending completion of Owner's Advisor study. Initial site assessments complete.						

Town Center Waterline Easements	Location			Design		
	MUD 6 & Metro Grogan's Mill between Woodlands Pkwy and Research Forest / Six Pines			Budget	Contract	Invoiced
				\$1,533,500	\$243,779	\$208,924
				Estimated Completion Date:		On-Hold
	Funding Source(s)			Construction		
	R&R	Excess Funds		Budget	Contract	Invoiced
Phase			NA	NA	NA	
Procurement			Estimated Start Date		NA	

Land acquisition activities are on-hold pending outcome of AC Waterline Condition Based Assessment.

Green - New Projects

Yellow - Closed Projects

PUBLIC COMMUNICATIONS

- November 2nd – SJRA Participated in the Alden Bridge Fall Festival
- November 8th – SJRA GRP Division hosted Association of Water Board Directors Staff for a tour of the GRP Surface Water Plant
- November 9th – SJRA participated in the Fall Nature and Outdoors Fair
- November 14th – SJRA hosted the Directors from MUD 39 on a tour of Wastewater Treatment Facility #3



WOODLANDS ACRONYMS AND DEFINITIONS

ACRONYMS

FY	Fiscal Year
FYTD	Fiscal Year To Date
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 30 lift stations, 5 water plants, 28 eight water wells, 6 elevated and 9 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 Facility (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 Facility (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 Facility (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.