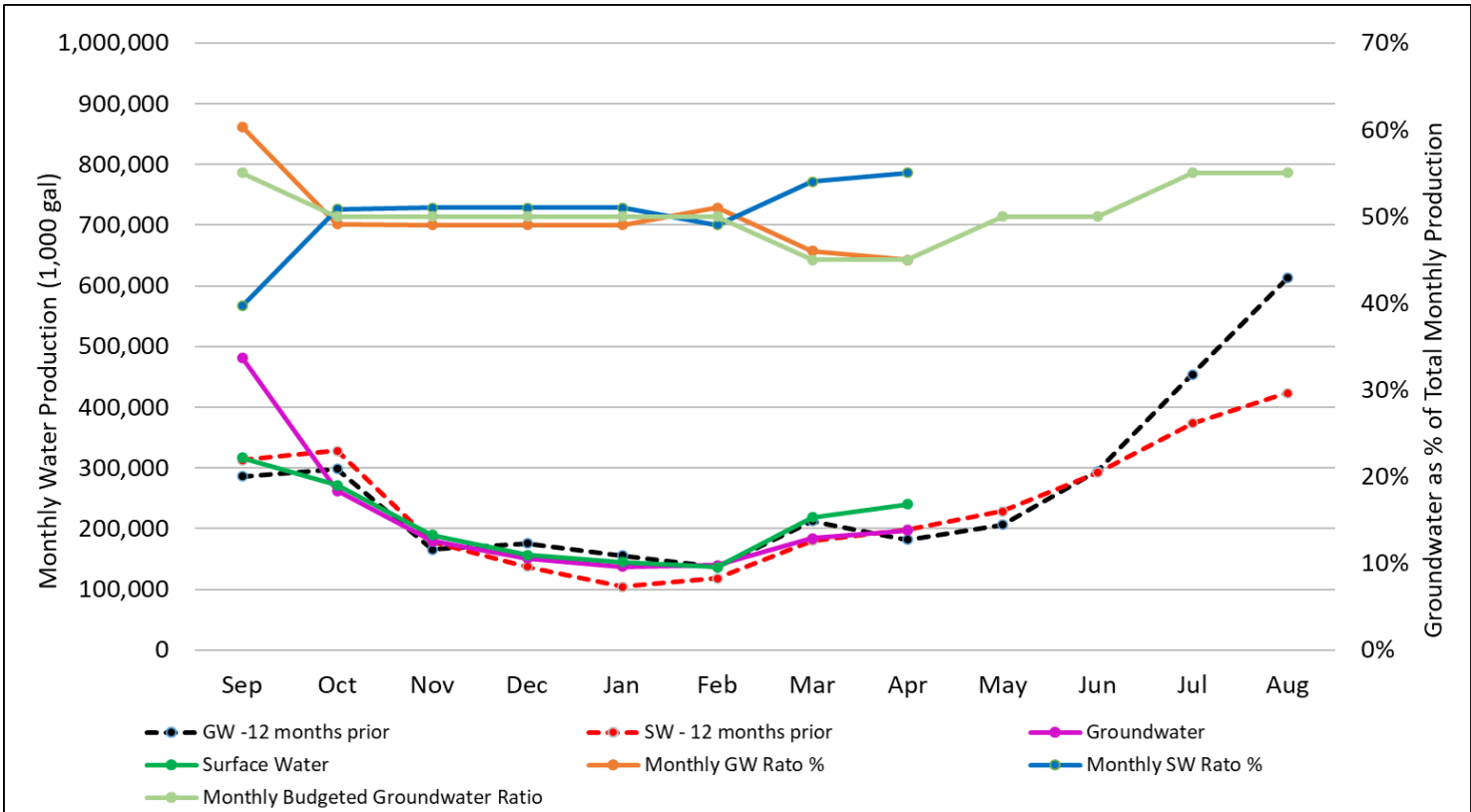
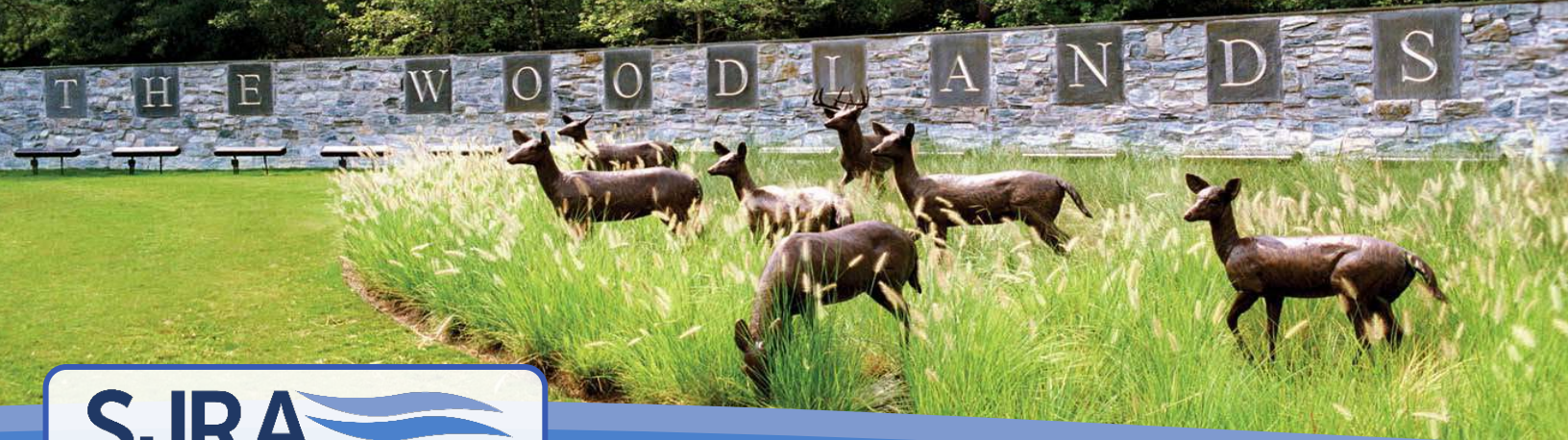


WOODLANDS MONTHLY OPERATIONS REPORT

APRIL 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	1,732,287	1,674,443

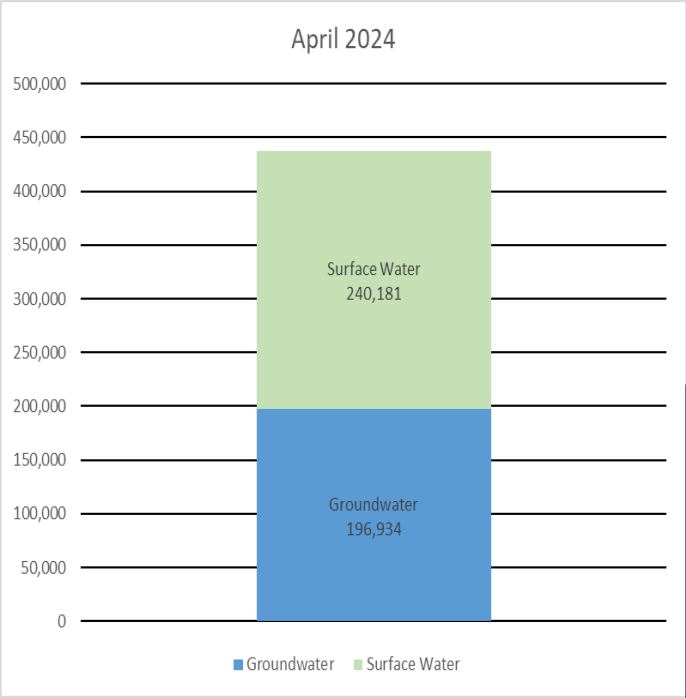
Blend %	
Groundwater	Surface Water
59%	41%
54%	46%
61%	39%
53%	47%
45%	55%

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

Rolling 12 Month Water Loss April 2023 -March 2024	
Accounted for Loss	1.33%
Unaccounted for Loss	3.47%
Total Loss	4.80%

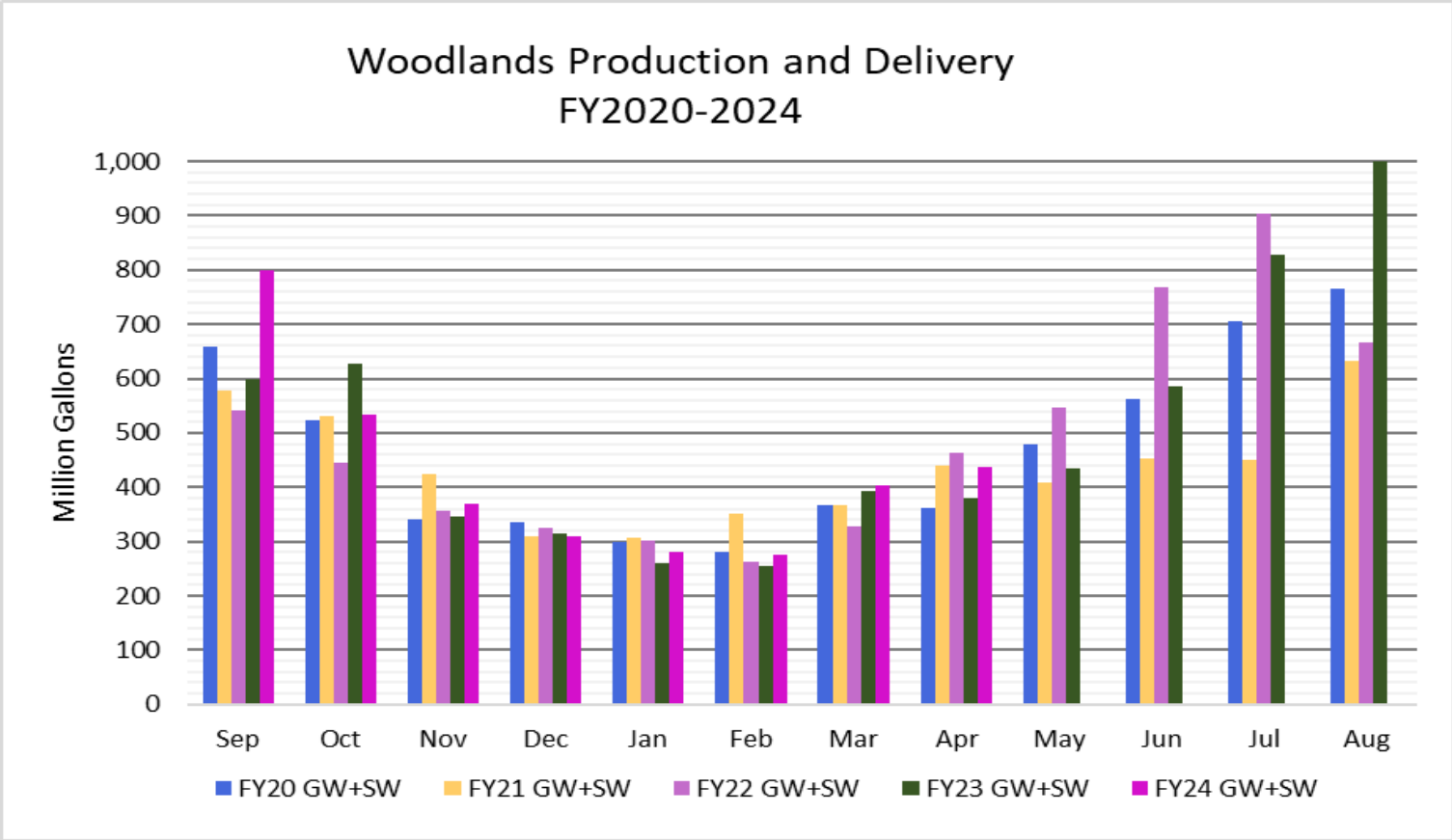
*Water loss budgeted at 5.5%

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



Surface Water 55% Groundwater 45%

Monthly Accounted for Water Loss				
Date	Fire Flow	Flush	Breaks	Cause
April 9, 2024			119,322	12" Main break W. Panther Creek @ Fallshire
April 10, 2024		46,610		Hydrant flush for leak repair
April 22, 2024		159,600		Hydrant flush in preparation for TCEQ quarterly sampling, multiple sites
April 30, 2024		35,000		Deadend Main Flush
April 30, 2024		153,432		Well collection line flush after valve placement for wells 17 & 18
April 30, 2024		876,000		Wells 17 & 18 monthly Flush



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	
	Permitted	Reported
Permitted Flow (MGD)	7.8	2.99
2-Hour Peak Flow (MGD)	18.0	11.25 4/10/2024 (3.01")
Chlorine (mg/l)	0.1	0.02
E. coli (colonies per 100 ml)	200	2.0

Parameter	WWTF No. 2	
	Permitted	Reported
Permitted Flow (MGD)	6.0	3.539
2-Hour Peak Flow (MGD)	15.60	*9.59 4/15/2024 (0.00")
Chlorine (mg/l)	0.1	0.03
E. coli (colonies per 100 ml)	200	4.0

Parameter	WWTF No. 3	
	Permitted	Reported
Permitted Flow (MGD)	0.9	0.53
2-Hour Peak Flow (MGD)	3.6	1.56 4/10/24 (3.14")
Chlorine (mg/l)	1.0 (min) 4.0 (max)	1.01 3.48
E. coli (colonies per 100 ml)	399	2.0

*Peak flow was due to having performed a shutdown of WWTF2 plant early that morning for the Headworks Rehabilitation project. When plant restarted, the wet well was at a high level, so the pumps ran at a high speed until the wet well level returned to normal.

3.0 INFRASTRUCTURE MAINTENANCE

Asset	Location	Purpose	Issue	Out of Service	In Service	Schedule to Repair
12" AC Watermain	W. Panther Creek and Fallshire	Drinking Water Transmission Line	Boring Contractor hit line. *No locates called into SJRA or WWA offices	4/9/24	4/9/24	Repair completed same day. We have invoiced the contractor for reimbursement.
12" and 16" watermain and 16" well collection line relocation	SH242	Drinking Water Transmission Line / Well Collection	TXDOT Construction project	Will be removed from service while under relocation		Design is complete and in review with TxDot for approval. Once approved, repairs estimated to take 3-4 weeks.
Water Well Collection Line 17&18	Woodlands Parkway & Six Pines	Carry raw water from well to water plant	Leak in roadway	03/2023		County approved June 3 repair date. Repairs to take 4-5 days.
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		Conduits and wireways have been installed. Next step is panels and service installation.

Booster Pump - 2 Repairs	Water Plant – 3	Pump Repairs	Seals leaking and shaft walking in the bearings	12/28/2023	4/24/24	Pump has been reinstalled and returned to service
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
Blower 4 Install	WWTP-3	Install additional blower	Redundancy		4/16/24	Blower has been put into service.

Work Orders	# of Work Orders	Hours Spent	Work Orders	# of Work Orders	Hours Spent
Preventive Maintenance (PM)	291	568.19	Corrective Maintenance (CM)	46	235.50

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	Design				Nov-24	Design is 65% complete. Site visits and coordination with entities and utilities ongoing.		
				Bonds	Bonds	Bonds					
				\$2,025,600	\$0	\$0					
				R&R	R&R	R&R					
				\$322,134	\$1,097,175	\$343,879					
Construction							Construction estimated to begin February 2025.				
Bonds	Bonds	Bonds									
\$10,486,750	\$0	\$0		TBD							
WWTF No. 2 Tertiary Filters	7 67	R&R	Design	Design				May-24	Design – Consultant working on updates to drawings and specifications. Also, SJRA is working with consultant to add language to allow for TWDB funding. Construction anticipated to begin September 2024.		
				\$917,000	\$376,118	\$327,387					
				Construction							
				\$5,734,000	\$0	\$0		TBD			
Lift Station Rehab	All	R&R	Design / Construction	Design				Aug-24	Funding for various pipe and valve replacements, coating of concrete, generator installations, etc.		
				\$54,000	\$32,318	\$32,318					
				Construction							

Project	MUD	Funding	Phase	Budget(s)	Contract Amount(s)	Invoiced to Date	Contract Complete	Status	
				\$792,000	\$570,418	\$485,026	Aug-24	Currently working on installation of generators and new control panels at several lift stations.	
WWTF No. 1 Master Plan	All	2017 Bonds	Study	Study				Jan-24	Final report was received on January 15, 2024. The report was transmitted to the MUD Directors. Ability to progress to Phase 3 for design contingent on MUD approval.
				\$500,000	\$500,000	\$484,150			
Owner Advisor for new WWTF No. 1	All	R&R/ Bond	OA Services	Owner's Advisor Services				Jan-25	PSA and Work Order No. 1 approved at SJRA Feb-24 board meeting. Kick-off occurred on Feb. 28, 2024.
				\$550,000	\$559,096	\$1,524			
WWTF No. 2 Headworks Rehab	7 67	R&R	Construction	Design				Mar-23	Construction underway. Lift station work complete. Working on rehabilitation (concrete repair and coating) of headworks structure.
				\$244,000	\$375,982	\$264,540			
				Construction				Aug-24	
\$1,456,000	\$1,785,000	\$741,199							

Project	MUD	Funding	Phase	Budget(s)	Contract Amount(s)	Invoiced to Date	Contract Complete	Status
Lift Station No. 1 Gravity Main Bypass	6	R&R	Design	Design				Kick-off meeting occurred on March 12, 2024. Design has begun.
				\$168,150	\$168,874	\$23,711	Feb-25	
Wastewater Conveyance Optimization	6	2017 Bonds R&R	Study	Design				The Route Study work order was approved in October 2023 SJRA Board meeting. The study is approximately 55% complete. Route alternatives are being reviewed
				Bonds \$689,000	Bonds \$747,749	Bonds \$286,963	Apr-24	
				R&R \$41,000	R&R \$0	R&R \$0		
				Construction				
				\$0	\$0	\$0	TBD	
WWTF No. 2 Field Services Storage Building	6	Cash R&R	Construction	Final Design				Construction contract approved at SJRA February 2024 Board meeting. The preconstruction meeting occurred on March 4, 2024. Site grading is underway.
				Cash \$19,980	Cash \$19,980	Cash \$19,980	Nov-23	
				R&R \$21,020	R&R \$13,446	R&R \$13,446		
				Construction				
				Cash \$10,685	Cash \$5,897	Cash \$5,897	TBD	
				R&R \$459,000	R&R \$483,963	R&R \$13,225		
Digital Water System	All	R&R	Design	Design				Working on functionality of existing dashboards and planning for predictive analysis,
				\$250,000	\$248,600	\$248,581	Aug-24	

Project	MUD	Funding	Phase	Budget(s)	Contract Amount(s)	Invoiced to Date	Contract Complete	Status
								financial model integration, and project planning.
Town Center Water Line Renewal	Metro 636067	R&R	Design (On Hold)	Final Design				Design is 97% complete. Metes and bounds for easements being finalized. Planning work for land acquisition underway. Design completion on hold.
				\$754,000	\$802,866	\$643,007	Feb-24 (on-hold)	
				Land Acquisition				
				\$1,533,500	\$243,417	\$202,258	Aug-25	
				Construction				
				\$0	\$0	\$0	TBD	
AC Water Lines Condition Based Assessment	All	R&R	Study	Study				PSA and WO1 approved at SJRA March 2024 Board meeting. Kick-off meeting occurred April 15, 2024. Working on providing consultant with record information and preparing for workshops.
				\$1,600,000	\$0	\$0	Jun-25	
Harper's Landing Water Line Loop Install	39	R&R	Construction	Design				Preconstruction meeting occurred January 29, 2024. Work started mid-February 2024. Pipe installation under Harper's Landing complete and
				\$125,000	\$57,708	\$50,997	Sep-23	
				Construction				
				\$478,000	\$244,585	\$82,244	TBD	

Project	MUD	Funding	Phase	Budget(s)	Contract Amount(s)	Invoiced to Date	Contract Complete	Status
								tie-in at that end. Working on remaining pipe installation.
Pressure Regulating Valve on Grogan's Mill	60	R&R	Construction	Design				Construction complete. Substantial completion inspection occurred on April 1, 2024. Working with contractor to get close-out documentation.
				\$10,000	\$12,379	\$6,993	May-23	
				Construction				
				\$94,000	\$137,448	\$4,946	Apr-24	
Water Plant Nos. 1, 2 & 3 Generators	36 47	R&R	Procurement	Design				Design complete. Project advertised for construction on April 5, 2024. Proposals are due on May 10, 2024.
				\$201,000	\$165,199	\$148,986	Mar-24	
				Construction				
				\$2,209,000	\$821,443	\$256,641	TBD	
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 on order for all three wells.
				\$119,000	\$0	\$0	Mar-23	
				Construction				
				\$1,313,000	\$946,984	\$283,843	May-24	

Project	MUD	Funding	Phase	Budget(s)	Contract Amount(s)	Invoiced to Date	Contract Complete	Status	
Elevated Storage Tank No. 6	47	Cash R&R	Design	Design				Jul-24	Kick-off meeting occurred on January 22, 2024. Design approximately 20% complete
				Cash \$0	Cash \$0	Cash \$0			
				R&R \$570,000	R&R \$612,047	R&R \$81,348			
				Construction					
				\$0	\$13,750	\$13,750	TBD		
Water Well Nos. 22, 26 and 33 Rehabilitation and Water Well No. 2 Abandonment	36 39 46 67	R&R	Procurement	Design				Feb-24	Construction contract approved at April 2024 SJRA Board meeting. Working with contractor to schedule NTP date and preconstruction meeting.
				\$114,000	\$0	\$0			
				Construction					
				\$1,250,000	\$1,332,196	\$0	TBD		
WWTF No. 2 Grit Classifier Replacement	7 67	R & R	Design	Final Design				TBD	SJRA moving forward with consultant selection and scope development. Anticipate taking design work order to SJRA Board for approval in June 2024.
				\$1,185,000	\$0	\$0			

Project	MUD	Funding	Phase	Budget(s)	Contract Amount(s)	Invoiced to Date	Contract Complete	Status	
WRF No. 1 Land Acquisition	6	R & R	Land Acquisition	Land Acquisition				N/A	Land acquisition activities underway for the new Water Reclamation Facility.
				\$10,000,000	\$1,226,278	\$10,163			

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

D - references Design
C - references Construction
B - references Bonds
S - references Study
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.