



Drinking from a Fire Hose

A collection of acronyms and advice
for Water Educators

Collected by:

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Ted presenting *Drinking from a Fire Hose* at the North Texas branch's American Public Works Association Conference. June, 2022

Background Information

Frisco, Tx is one of the fastest growing cities in the United States, a fact mirrored by our Gallons per Capita Daily (GPCD). The average Frisco resident uses 165 gallons of water per day, the majority of which is going into lawn irrigation. To combat the growing water waste the City created the Water Resources Team in 2006. The team changed throughout the years, but the goal always remained the same, bring the water consumption down to a more reasonable level.

In February 2022 I joined the Natural Resource Department's newly formed education team. My part of the team is Water Conservation Education and Outreach, with a focus on adults (aka HOAs). I team up with the Public Utilities divisions dealing in water to answer questions about gardening, irrigation, lawn care, meters, plumbing, and more. I primarily work with the Irrigation division of Public Works, together we are called The WaterWise Team.

During a water meeting in April, our Head of Engineering challenged me to create a presentation discussing everything I've learned over the last few months. I accepted and began work on *Drinking from a Fire Hose*, but I figured I could take it one step further.

Over the course of late-April to May, I anonymously surveyed fifty-one water educators from across Texas, giving them a chance to share their own experiences. This document is a collection of their responses, advice, tips, and tricks. I hope you find it useful.

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Trap #1: You are alone



Many new water educators feel overwhelmed by the amount of topics water touches: lawn care, gardening, plumbing, fishing, and stormwater are just a few examples. The first trap is feeling like you are alone and must become a subject matter expert on all of these topics. I know this is how I felt. Luckily this trap can be easily escaped.

“Don’t try to become A knowledge expert in everything involving water. Check if your organization already has an expert in that field and reach out. Collaborate with other departments, teams, and cities whenever possible!”

Collaboration is the key to escaping this trap. New water educators are not alone. Even if they are the only educator in their organization, that organization should still have other employees with their own knowledge and experience. Reaching out and asking them to share their knowledge and experience is huge. It creates goodwill, shows you are willing to admit when you don’t know, and allows people to show off their knowledge. Ask for ride-alongs, ask to interview them, and ask what advice they have for you. Below are all of the different departments in Frisco I’ve reached out to asking for advice, help, and knowledge.

Library Services
Senior Activities
Parks & Recreation
Building Inspectors
Landscaping
Zoning

Meters
Code Enforcement
Communications
Community Dev.
Visitors Bureau
Engineering

Environmental Service
GIS & Mapping
Irrigation
Stormwater
Utility Billing

Trap #2: Don't Re-Invent the Wheel



When I first started as an educator, I wanted to create all of the programs and activities. It is very easy to decide on a topic you want to talk about, and then go crazy trying to figure the perfect way to present it. It is also fairly common to be assigned a topic you must present on, but have no clue where to begin. One of the easiest traps to get caught in is re-inventing the wheel.

"...do as many presentations as you can. Use the questions you get to create new programs based on what your audiences want to hear."

Water education is a very old job. People have been trying to educate their neighbors on water use as far back as Ancient India, with the creation of indoor plumbing. In 312 B.C. the Romans started building aqueducts to help with water transportation and irrigation. Water educators had to be right there next to the architects and engineers, convincing people these new technologies were worth the time and effort to build them.

Before creating new programming and educational materials, check to see if someone else has done it first. There are many state, and national, educational organizations who've already invested hours and money on programming. See if their materials are useful to you, you may save yourself hours with a simple internet search! Some example of organizations to look at:



Trap #3: Acronyms



“People speak using a lot of acronyms and if you are new, it’s difficult to know what they are talking about at the time. If you get on your phone to look it up, then you miss the content...”

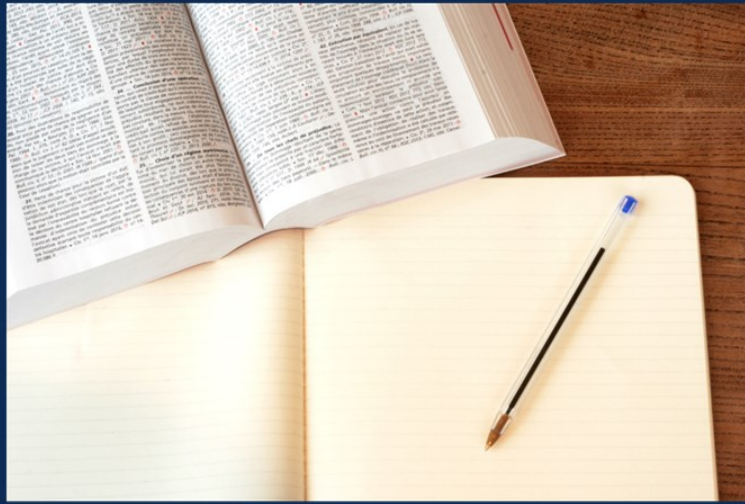
Acronyms pop up in every industry and water education is no different. Within my first week I had to learn over 20 new acronyms, most of which were for organizations. Nationwide there are hundreds and thousands of acronyms for just organizations, some of these organizations use the exact same acronym and overlap with each other, and that isn’t even adding legislation to the list! How is a new water educator supposed to know if someone talking about the C.W.A. is referring to the Coastal Water Authority or the Clean Water Act?

The only real solution to acronyms is using context clues and having a cheat sheet to look up what the acronyms stand for. If you are attending a presentation and someone is tossing around acronyms, don’t take the time to look them up then and there. Make a note of the acronym to look up later and keep paying attention to the speaker so you don’t miss out. If you are the presenter, take a moment to explain any acronyms you use in your presentation.

Another good solution for navigating acronyms is finding a mentor to help you learn them. There are a lot of organizations out there, ask them for help and see if you can find another experienced educator in your area who is able to help you learn what acronyms are important to know for your region.

To help with acronyms I’ve included a cheat sheet list at the end of this document, it is a collection of Texas-specific acronyms, national acronyms, and general use acronyms.

Trap #4: Laws, Ordinances, & Regulations



In 1972 the United State Federal Government enacted the Clean Water Act and they haven't stopped since then. Between state, national, and international legislation the number of laws, ordinances, and regulations can be mind-blowing. Since 1972 the Clean Water Act has grown to cover 15 core topics ranging from drinking water to surface coal mining in Appalachia.

Unfortunately there is no fast or easy way to navigate this trap, it takes time and effort to learn what legislation is important to you and your region. What is legal in Texas may not necessarily be legal in Nevada or Colorado. All of the surveyed water educators agreed on how to solve this one:

"Find a mentor. I was lucky in that my supervisor at the time knew everything about water. She set me up for success..."

"...build partnerships earlier in my career with other utility Education teams and to seek out state and national groups to get involved with. "

"Making the educator aware and proficient in state water agency resources was a great help when I started in the groundwater world. "

Find mentors. Find groups and organizations to join who will help you get up to date on what affects you and your organization. Some great examples of national groups with local chapters able to help you grow and learn are the American Water Works Association and the American Public Works Association. Both organizations have local educators whose jobs are to make sure their members received training and answers to their questions.

Trap #5: Don't get burned out



Don't get burned out may feel like a bit of a weird trap for new educators, but it is still a very real trap. In the rush of trying to prove yourself, to prove you deserve your new job, it is easy to overcommit. Don't rush, don't overcommit, take your time, and don't turn into a robot!

"Just because things have always been done one way doesn't mean it needs to keep being done that way! If your audience isn't interested, find a new route."

"...I think one of the most important traps to avoid is the sunk cost fallacy -- if you put hours into a lesson but it's not engaging the audience how you want, you have to adapt the lesson or your teaching style instead of trucking along with it."

"The more energy you bring, the more excited the kids will be."

"... Students engage best with active portion of presentations."

We've all been there, listening to someone who has given the exact same talk hundreds of times and now they repeat it with no feeling, no emotion. Don't let yourself get that way. If you ever feel yourself just repeating something by rote, to the point you aren't even thinking about what you're saying, switch things up! Find a new topic to discuss or a new way to say it.

Organization leaders, allow your educators to experiment and try weird program ideas! One of the worst things you can do to a new educator is tell them, "That's not how we do things here". You hired them to educate, so let them do it in a way they are passionate about! Your audience will feel that difference and react to it. Don't force them to keep using the same program your organization has been using for the last thirty years just because it's tradition.

Trap #6: They're doing it, we should too!



Copying someone else is the best form of flattery right? Didn't I say in an earlier section that you should copy programs other people have done instead of trying to make your own? Yes and no.

I hate it when people give me that response, you have my apologies for using it here, but it is appropriate. Yes, you should look for programs other people have done and find ways to make it work for you and your topic, but does that mean you should copy it exactly?

"...probably my greatest piece of advice is to ask WHY to everything you do. Don't copy what everyone else is doing. Start at the WHY and from there ask WHAT it is you should be doing. Also, don't get so busy doing everything that you take no time in planning or evaluating the things you are doing. "

Ask why. That's it. Before you copy a program, before you do something because someone else is doing it, stop and ask why they are doing it. Stop and ask why you are doing it. A common example that I've seen is turf replacement programs, aka "Cash for Grass". These programs started in California and have been slowly moving East, and they are great! When done properly.

What is the difference between Zeroscaping and Xeriscaping? Zeroscaping involves replacing turf grasses with dirt, rock, and gravel with next to no plants. Xeriscaping is replacing turf grasses with drought tolerant native landscaping. While Zeroscaping makes sense for desert regions (such as El Paso, Tx), it would make no sense to have in a wetland or prairie (such as Dallas, Tx). Just because someone else is doing it, doesn't mean that program is appropriate for you. Stop and ask, "Why".

And that's it. That's all I've got for you. Six common traps water educators tend to fall into and some suggestions on ways to avoid them. The rest of this document is useful links, fun random facts, and a list of good to know acronyms. Thank you for your time and I hope you found this useful!

Useful Links:

Rainwater Harvesting Regulation Map:

<https://www.energy.gov/eere/femp/rainwater-harvesting-regulations-map>

This site has an interactive map of the United States with a break down of the key legislation in each state that is applicable to rainwater harvesting.

USDA's Web Soil Survey

<https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>

This site has an interactive map of the United States with a topographical breakdown of the different types of soils for each region. One of the best ways to educate people about water consumption from lawn irrigation is to teach them about their soils. This allows you to know exactly what the soils in your area are composed of (clay vs gravel vs bedrock).

Congress.Gov Legislation Search

<https://www.congress.gov/>

This site allows you to use key words to search for key words in House and Senate Bills, check laws and regulations, and have a better idea on what is, or isn't, allowed on a National level.

Air Conditioner Condensate Calculator

<https://www.buildinggreen.com/blog/revised-air-conditioner-condensate-calculator-available-buildinggreencom>

When asked about alternative sources for water collection and reuse, one of my favorite topics to discuss is air conditioner condensate. Your average window air conditioner unit can create up to 18 gallons of clean water through condensation on a hot day. One of the larger industrial grade units can create up to 1,000 gallons of condensate each day. The best thing about this water? Other than having to treat it for *legionella*, it is some of the cleanest and pure water you can find for reuse, and most people are just dumping it down their sewer lines! This website has a link to download a calculator which will calculate the average amount of water you can collect from your air conditioners units.

The Survey Responses

“TWDB, TAWWA, Take Care of Texas/TCEQ, WaterSense/EPA, TPWD, NWF, Texas SmartScape, Lady Bird Johnson, Regional Water Providers, NPSOT/local chapters, local Master Gardeners/Master Naturalists, Junior MGs, AWE, Local museums/learning centers, Local organizations/groups (WENNT, NCTCOG), Coordination and Collaboration with fellow educators in similar organizations/cities/etc., Larger cities with more staff websites/programs, local school district energy management coordinators, Green Schoolyards”

“Changing jobs or starting somewhere new can be a tough transition. Prepare yourself mentally and anticipate possible challenges. It has taken me typically 12 months to finally feel settled in and comfortable. Being new, jump at any opportunity to get to know your co-workers, volunteer to bring food/snacks/popsicles for special occasion. Maybe don't come out full throttle with hot opinions in meetings when new. talk less about what or how you used to do at your old job.”

“Making the educator aware and proficient in state water agency resources was a great help when I started in the groundwater world. Avoiding any enthusiastic individual trying to box you into a technical answer at a trade show or event is a smart choice. Slowly learning the leaders and patterns of conservation and water groups will help the educator grow and make smart decisions about their outreach programs and where they can put their energies into making the most of connecting with the community. “

“What I wished I knew as a new water educator: What resources were already available. Who I could partner with. Specific school contacts, especially teacher names that were open to me coming in or providing resources or had already worked with the City in some capacity. Contacts within the City for events and other education that was already happening that I could piggy-back on.

What tools and resources are out there: Project Wet, AWWA.. Pitfalls: don't try to do serious, lengthy education during big public "fun" type events. People are there for activities, so play learning games. Collaborate with other City departments if possible: library, Senior Activities, Parks events. There are many opportunities to go alongside to educate beyond the school district.”

“Find a mentor. I was lucky in that my supervisor at the time knew everything about water. She set me up for success. Refer to EPA WaterSense. Canva is an amazing, easy graphic design tool for outreach. Offer webinars and in-person classes to reach different audiences. Teach in "small chunks," including short videos. Use as many social media channels as is feasible. Find partners (i.e. your water provider, county extension agent, Master Gardeners, etc.). Build a network of dedicated volunteers. “

The Survey Responses

“Some materials have not been updated for some time. Always look up newer/current studies or resources before going over a new subject.”

“Prior to becoming a water educator I was an elementary school teacher. I had limited experience for the position I was taking on. Making connections with NTMWD and water educators from other cities was a huge help when I started. They were able to point me in the right direction, tell me organizations I should join, and offered suggestions. Forming those connections rather than trying to reinvent the wheel on my own has helped me tremendously.”

“I had been a classroom teacher first, so I feel like I knew a lot of tricks about managing behavior and attention and writing lessons in a way that reflects the psychology of how people learn. I think one of the most important traps to avoid is the sunk cost fallacy -- if you put hours into a lesson but it's not engaging the audience how you want, you have to adapt the lesson or your teaching style instead of trucking along with it. “

“A new educator needs to realize that no one knows how much water they use and no one knows how much is "low" or too much or "normal." There needs to be a lot of education to have people look at the gallons versus just the dollars. And education on how much water normal activities use, so that they begin to understand how much water they are using on their lawns.”

“To build partnerships earlier in my career with other utility Education teams and to seek out state and national groups to get involved with. I wish Catalyst and the TAWWA Education Division would have been available earlier in my career. Our team did get involved with NAAEE (North American Association for Environmental Education) and they were instrumental in shaping both our focus and direction as we created a new program. Pitfalls and traps- probably my greatest piece of advice is to ask WHY to everything you do. Don't copy what everyone else is doing. Start at the WHY and from there ask WHAT it is you should be doing. Also, don't get so busy doing everything that you take no time in planning or evaluating the things you are doing. I had the honor of co-creating the Education program at SAWS 23 years ago. At the time, utility Educators mostly hid in the shadows. Because there wasn't a lot of information about being a water educator, we wrote a workbook called the Incite Initiative to help educators create and refine their programs. I can send you a copy if you would like to see one. “

“I wish that there weren't certain subjects we had to tiptoe around. Project WET is a wonderful resource, and so is AWWA and AWE.”

The Survey Responses

“Tools and resources - STEM Ecosystem groups, seek out other water educators on social media and hit them up. TX AWWA groups. Also, don't be afraid to develop your own ideas and seek out the experts in your organization for content. Pitfalls? Don't fall into the "you can't do that - this is how we have always done it trap" I would like to share this...do as many presentations that you can..use the questions you get to create new programs...based on what your audiences want to hear.”

“The more energy you bring, the more excited the kids will be.”

“Project WET and El Paso Water and Science (free) are few resources available to a new educator.

I am a new water educator, so I may be naive to many of the pitfalls and traps. At the Tech20 Center, we offer field trips that often include a ProjectWET activity. We also provide virtual presentations of El Paso Water and Science material. Students engage best with active portion of presentations.”

“You don't need to know to know everything.”

Have advice of your own you'd like to share?

Use the QR Code or link below!



<https://ahaslides.com/WERESOURCE>

Solution - Other Educators (And their Acronyms)

Texas invests heavily in outdoor education. There are many people and organizations dedicated to outdoor education and conservation willing to help you!

- Texas Commission on Environmental Quality (TCEQ)
 - Take Care of Texas Program
- Texas Parks and Wildlife Department (TPWD)
- Texas American Public Works Association (TxAPWA)
- Texas Recreation and Park Society (TRAPS)
- Texas Parks and Recreation Foundation (TPRF)
- Texas A&M University – AgriLife Extension (TAMU)
 - Texas Master Gardeners Association (TXMG)
 - Texas Master Naturalist Program (TXMN)
- Lady Bird Johnson Wildflower Center (LBJWC)
- Texas Turfgrass Managers Association (TTMA)
- Texas Trees Foundation (TTF)
- Water Environment Association of Texas (WEAT)
- Water Efficiency Network of North Texas (WENNT)
- North Texas Municipal Water District (NTMWD)
- Trinity River Authority of Texas (TRA)
- Texas Water Development Board (TWDB)
- Texas American Waterworks Association (TAWWA)
- Tarrant Regional Water District (TRWD)
- North Central Texas Council of Governments (NCTCOG)
- Texas Water Utilities Association (TWUA)
- Upper Trinity Groundwater Conservation District (UTGCD)
- North Texas Groundwater Conservation District (NTGCD)
- Texas Alliance of Groundwater Districts (TAGD)

And be sure to check if your municipality has an Urban Forestry Board (UFB).

Solution - Other Educators (And their Acronyms)

But Texas isn't alone! Here's a few state and national organizations able to help you!

- National Wildlife Federation (NWF)
 - U.S. Environmental Protection Agency (EPA)
 - Green Schoolyards America (GSA)
 - International Society of Arboriculture (ISA)
 - Society of American Foresters (SAF)
 - National Recreation And Park Association (NRPA)
 - American Alliance of Museums (AAM)
 - National Organization for Interpretation (NOI)
 - American Association of State and Local History Museums (AASLH)
 - International Society of Arboriculture (ISA)
 - Arbor Day Foundation (ADF)
 - The Tree Register (TTR)
 - American Society of Landscape Architects (ASLA)
 - American Public Gardens Association (APGA)
 - National Environmental Services Center (NESC)
 - Alliance for Water Efficiency (AWE)
 - American Public Works Association (APWA)
 - American Water Works Association (AWWA)
 - National Ground Water Association (NGWA)
 - National Association of Clean Water Agencies (NACWA)
 - National Association of Water Companies (NAWC)
 - National Water Research Institute (NWRI)
 - US Water Alliance (USWA)
 - Family Water Alliance (FWA)
 - Western States Water Council (WSWC)
 - Water Environment Federation (WEF)
 - Water Reuse Association (WRA)
 - Water Quality Association (WQA)
 - Project Water Education Today (project WET)
-

Useful Acronyms to Know

Acronym	Meaning
4CP	The 4 Coincident Periods aka the four 15 minute windows of high use on the electrical grid
AAEE	American Association for Environmental Education
AAM	American Alliance of Museums
AAPI	Asian Americans and Pacific Islander
AASLH	American Association of State and Local History Museums
AB	Assembly Bill
ACL	Administrative Civil Liability
ACR	Alternative Capacity Requirement
ACR	Acute-To-Chronic Ratio
AD	Assistant Director
ADF	Arbor Day Foundation
ADMP	Agriculture Drainage Management Plan
AF	Acre-Foot Or Acre-Feet
AFO	Animal Feeding Operation
AFO	Aquatics Facility Operator
AG	Attorney General
AG	Air Gap
AgriLife	Texas A&M University'S - Agrilife Extension
AGT	Above Ground Tank
AIAN	American Indian or Alaskan Native
ALE	Action Level Exceedance
ALJ	Administrative Law Judge
AMI	Advanced Metering Infrastructure
ANPRM	Advanced Notice Of Proposed Rulemaking
ANSI	American National Standards Institute
APGA	American Public Gardens Association
APM	Administrative Procedures Manual
APWA	American Public Works Association
ARAR	Applicable Or Relevant And Appropriate Requirements
ARB	Air Resources Board
AREA	Aquatic Resources Education Association
ARRA	American Recovery And Reinvestment Act Of 2009
ARS	Agricultural Research Service
As	Arsenic
AS	Activated Sludge
ASBS	Areas Of Special Biological Significance
ASCE	American Society Of Civil Engineers
ASIWPCA	Association Of State And Interstate Water Pollution Control Administrators

Useful Acronyms to Know

ASLA	American Society of Landscape Architects
ASM	Assistant Stage Manager
ASPIS	Abandoned Site Program Information System
ASR	Alternative State Requirement
ASTM	American Society For Testing And Materials
ATF	Bureau of Alcohol, Tobacco, Firearms, and Explosives
AWE	Alliance For Water Efficiency
AWMC	Agricultural Water Management Council
AWWA	American Water Works Association
BACTI	Samples Taken To Test For Bacteria
BAME	Black, Asian, and Minority Ethnic
BARF	Bond Application Report Format
BAT	Best Available Technology Economically Achievable
BCP	Budget Change Proposal
BCT	Best Conventional Pollutant Control Technology
BDL	Bois D'Arc Lake
BDO	Board, Department, Or Office
BF	Baffling Factor
BGGI	Blue-Green and Grey Infrastructure
BGI	Blue Green Infrastructure
BIPOC	Black, Indigenous, and People of Color
BLM	Bureau Of Land Management
BME	Black and Minority Ethnic
BMP	Best Management Practice
BOD	Biochemical Oxygen on Demand
BOD	Biochemical Oxegen Demand (A test done on wastewater and sewage)
BOD	Biochemical Oxygen Demand
BOD5	5-Day Bod
BOF	Board Of Forestry
BOP	Bureau of Prisons
BP	Basin Plan
BPAT	Backflow Prevention Assembly Tester Or Backflow Prevention Assembly Test
BPAT	Backflow Prevention Assembly Tester
BPJ	Best Professional Judgment
BPT	Best Practicable Control Technology Currently Available
BR	Biennial Report (under RCRA)
BSA	Bureau Of State Audits
BTR	Before Technical Review
BTU	British Thermal Unit
BWN	Boil Water Notice

Useful Acronyms to Know

CAA	Clean Air Act
CAA	Cleanup And Abatement Account
CAF	Confined Animal Facility (Such As Dairies And Feedlots)
CAFO	Concentrated Animal Feeding Operation
CAO	Cleanup And Abatement Order
CAPRA	NRPA's Commission of Accreditation of Park and Recreation Agencies (Certification)
CBE	Communities For A Better Environment
CBG	Census Block Groups
CBOD	Carbonaceous Bod
CCC	Cross Connection Control
CCEDS	Consolidated Compliancy And Enforcement Data System
CCF	100 Cubic Feet (Roughly 748.052 gallons)
CCI	Comprehensive Compliance Investigation
CCI	Comprehensive Compliance Inspection
CCR	Consumer Confidence Report
Cd	Cadmium
CDBG	Community Development Block Grant
CDO	Cease And Desist Order
CEC	Constituents/Chemicals Of Emerging Concern
CEI	Compliance Evaluation Inspection
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLA	Comprehensive Environmental Response, Compensation, And Liability Act Of 1980
CERI	Center For Environmental Research Information
CFC	Chlorofluorocarbon(s)
CFE	Combined Filter Effluent
CFR	Code Of Federal Regulations
cfs	Cubic Feet Per Second
CGP	Construction General Permit
ChV	Chronic Value
CI	Compliance Inspection
CIAC	Contribution In Aid Of Construction
CIFA	Council Of Infrastructure Finance Agencies
CIPS	Cannabis Identification And Prioritization System
CL	Center Line
CLA	Chloramine
CM	Contract Manager
CMON	Capacity, Managment, Operations, and Maintenance Programs
CN	Customer Number
CN	Cyanide
CO	Carbon Monoxide

Useful Acronyms to Know

CO	Clean Out
COD	Chemical Oxygen Demand
COE	U.S. Army Corps Of Engineers
COG	Council Of Governments
COI	Certificate of Insurance
COPS	Office of Community Oriented Policing Services
COS	Cost Of Service
CP	Conservation Plan
CPC	Cost Per Click
CPE	Comprehensive Performance Evaluation
CPO	Certified Pool Operator
CPRE	Certified Park and Recreation Executive
CPRP	Certified Park and Recreation Professional
CPSI	Certified Playground Safety Inspector
CPV	Cost Per View
Cr	Chromium
CRG	Community Resource Group
CRMP	Coordinated Resource Management And Planning (Refers To Certain Watershed Groups)
CRS	Community Relations Service
CSD	Community Services District
CSI	Customer Service Inspection
CSL	Center Stage Left
CSO	Combined Sewer Overflow
CSR	Center Stage Right
CSS	Combined Sewer System
CT	Concentration Time
CTR	Click Through Rate
Cu	Copper
CUPA	Certified Unified Program Agency
CV	Coefficient Of Variation
CWA	Clean Water Act
CWIP	Construction Work In Progress
CWS	Community Water System
Cwsrf	State Revolving Fund [Also Known As Cwsrf And Dwsrf]
CY	Calendar Year
D&I	Diversity and Inclusion
DA	District Attorney
DAC	Disadvantaged Community
DAF	Dissolved Air Flotation

Useful Acronyms to Know

DARPA	Defense Advanced Research Projects Agency
DBCP	1,2-Dibromo-3-Chloropropane
DBH	Diameter of Breast Height (Trees)
DBP	Disinfection By-Product
DBP1	Stage 1 Disinfection By-Product Rule
DBP2	Stage 2 Disinfection By-Product Rule
DCP	Drought Contingency Plan
DCVA	Double Check Valve Assembly
DD	Drainage Districts
DDT	Dichlorodiphenyltrichloroethane
DEA	Drug Enforcement Agency
DEI	Diversity, Equity, and Inclusion
DEIB	Diversity, Equity, Inclusion, and Belonging
DEM	Texas' Department Of Emergency Management
DeRagging	The removal of "Flushable Wipes" from Sewer Systems
DG	Decomposed Granite
DMR	Discharge Monitoring Report (under CWA)
DMR	Discharge Monitoring Report
DNAPL	Dense Non-Aqueous Phase Liquid
DO	Dissolved Oxygen
DoD	Department Of Defense (Federal)
DSHS	Texas Department Of State Health Services
DSL	Down Stage Left
DSR	Down Stage Right
DWAWG	Drinking Water Advisory Workgroup (Texas)
DWO	Dry Weather Overflow
DWSRF	Drinking Water State Revolving Fund
DWW	Drinking Water Watch (TCEQ Water Provider Database)
DZ	Disinfection Zone
E&I	Education and Interpretation
ECHO	Enforcement and Compliance History Online
ECM	Electronic Content Management
EDAP	Economically Distressed Areas Program (Texas)
EDF	Environmental Defense Fund
EDGAR	Electronic Data Gathering, Analysis, and Retrieval database (SEC)
EIA	Economic Impact Assessment
EIR	Environmental Impact Report
EIS	Environmental Impact Study
EIS	Environmental Impact Statement
EJ	Environmental Justice

Useful Acronyms to Know

ELAP	Environmental Laboratory Accreditation Program
ELG	Effluent Limitations Guidelines
EMMI	Environmental Monitoring Methods Index
ENRD	Environment and Natural Resources Division (Federal Gov)
EO	Executive Officer
EOIR	Executive Office for Immigration Review
EOP	Edge of Pavement
EOUSA	Executive Office for United States Attorneys
EOUST	Executive Office for United States Trustees
EP	Entry Point
EP313	EPCRA Section 313 (established TRI)
EPA	U.S. Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act
ERNS	Emergency Response Notification System
ERP	Emergency Response Plan
ESA	Endangered Species Act (Federal)
EST	Elevated Storage Tank
ET	Evapotranspiration
ETJ	Extra Territorial Jurisdiction
EWMP	Enhanced Watershed Management Plan
eWRIMS	Electronic Water Rights Information Management System
FAQ	Frequently Asked Questions
FASB	Financial Accounting Standards Board
FBI	Federal Bureau of Investigation
FCE	Full Compliance Evaluation
FCL	Free Chlorine (Cl ₂)
FCSC	Foreign Claims Settlement Commission
FDF	Fundamentally Different Factor
FEA	Federal Energy Administration
FERC	Federal Energy Regulatory Commission
FESOP	Federally Enforceable State Operating Permit (CAA program)
FFY	Federal Fiscal Year
FH	Fire Hydrant
FHV	Fire Hydrant Valve
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FIFRA	Federal Insecticide, Fungicide And Rodenticide Act
FIP	Federal Implementation Plan (CAA program)
FOD	Field Operations Division
FOG	Fats, Oils, and Grease
FOIA	Freedom of Information Act

Useful Acronyms to Know

FOIAR	Freedom of Information Act Request
FPPA	Federal Pollution Prevention Act
FR	Federal Register
FRS	Facility Registry Service
FSR	Feasibility Study Report
FWA	Family Water Alliance
FWSD	Fresh Water Supply District
FY	Fiscal Year
GAAP	Generally Accepted Accounting Principles
GAC	Granular Activated Carbon
GAM	Groundwater Availability Model
GAMA	Groundwater Ambient Monitoring & Assessment [Program]
GASB	Governmental Accounting Standards Board
GC	Government Code
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectroscopy
GCD	Groundwater Conservation District
GCP	General Construction Permit
GeoWBS	Geographically-Based Water Body System
GI/LID	Green Infrastructure/ Low Impact Development
GIS	Geographic Information System
GMA	Groundwater Management Area
GOT	Government Owned And/Or Operated Tanks
Gov/Ops	Government Operations Agency
gpcd	Gallons Per Capita Per Day
GPD	Gallons per Day
gpd	Gallons Per Day
gpm	Gallons Per Minute
GPM	Gallons Per Minute
GPS	Global Positioning System
GRTS	Grants Reporting And Tracking System
GSA	Green Schoolyards America
GSA	Groundwater Sustainability Agency
GSI	Green Stormwater Infrastructure
GST	Ground Storage Tank
GUI	Groundwater Under The Influence Of Surface Water
GW	Groundwater
GWD	Groundwater District
GWPS	Groundwater Protection Strategy
GWPS	Groundwater Protection Standard

Useful Acronyms to Know

HAA	Haloacetic Acid
HAA5	Haloacetic Acid (Sum Of 5 Haas)
HAR	Hydrogeologic Assessment Report
HAZMAT	Hazardous Material
HDT	Hydraulic Detention Time
HFC	Hydrofluorocarbon
Hg	Mercury
HHW	Household Hazardous Waste
HLHW	Healthy Lawns Healthy Waters
HLMW	High Level Mixed Waste
HPV	High Priority Violation (under CAA; also see SNC)
HSAR	Hydrogeologic Site Assessment Report
HWCA	Hazardous Waste Control Act
HWCL	Hazardous Waste Control Law
HWG	Hazardous Waste Generator
HWT	Hazardous Waste Treatment
I/I	Infiltration/Inflow
IA	Interagency Agreement
IA	Internal Affairs
IACC	Interagency Coordination Committee (Nps Implementation Plan)
IBI	Index Of Biotic Integrity
IBWC	International Boundary And Water Commission
IC	Inhibition Concentration
ICIM	Industrial, Commercial, Institution, and Multifamily
ICIS	Integrated Compliance Information System
ID	Irrigation District
ID	Identifier or Identification Number
IDSE	Initial Distribution System Evaluation
IFE	Individual Filter Effluent
IFL	Identity First Language
IGP	Industrial General Permit
IGR	Intergovernmental Relations
II	Licensed Irrigation Inspector
IMAP	Information Management Annual Plan
INI	Infiltration and Inflow
INI	Inflow and Infiltration (Water getting into Sewer Systems)
IOU	Investor-Owned Utility
IPM	Integrated Pest Management
IPP	Industrial Pretreatment Program
IPS	Influent Pump Station

Useful Acronyms to Know

IR	Inactivation Ratio
IRB	Institutional Review Board
IRWMP	Integrated Regional Water Management Plan
IS	Initial Study
ISA	International Society of Arboriculture
ISWP	Inland Surface Waters Plan
IT	Information Technology
IUP	Intended Use Plan
iWDD	Integrated Water District Database
IWMA	Integrated Waste Management Act
IWMP	Integrated Watershed Management Program
IWSCOT	Independent Water And Sewer Companies Of Texas
JMD	Justice Management Division
JPA	Joint Powers Authorities
KPI	Key Performance Indicators
LA	Load Allocation
LAMP	Local Area Management Plan
LAN	Local Area Network
LAO	Legislative Analyst's Office
LAP	Leak Adjustment Program
LBJWC	Lady Bird Johnson Wildflower Center
LC	Lethal Concentration
LC50	Concentration At Which 50% Of Test Organisms Die In A Specified Time Period
LCP	Local Coastal Program
LCR	Lead And Copper Rule
LD	Light Designer
LD50	Dose At Which 50% Of Test Organisms Die In A Specific Time Period
LDC	Load Duration Curve
LDR	Land Disposal Restrictions
LEA	Local Enforcement Agency
LEHJ	Local Environmental Health Jurisdiction
LGBTQ	Lesbian, Gay, Bisexual, Trans, and Queer
LGBTQ+	Same as above, but the + represents those in the community LGBTQ doesn't represent
LI	Langelier Index
LI	Licensed Irrigator
LIA	Local Implementing Agency
LIAC	Local Implementing Agency Committee
LID	Levee Improvement District
LID	Low Impact Development

Useful Acronyms to Know

LLNL	Lawrence Livermore National Laboratory
LLRW	Low-Level Radioactive Waste
LOEC	Lowest Observed Effect Concentration
LOP	Local Oversight Program (Underground Tanks Program)
LPA	Local Primacy Agency
LPD	Liters per Day
LPM	Liters per Minute
LQG	Large Quantity Generator (RCRA Hazardous Waste)
LRAA	Locational Running Annual Average
LSL	Lead Service Line
LSLR	Lead Service Line Replacement
LT1	Stage 1 Long-Term Enhanced Surface Water Treatment Rule
LT2	Stage 2 Long-Term Enhanced Surface Water Treatment Rule
LTA	Long Term Average
LTCP	Long Term Control Plan
LTESWTR	Long-Term Enhanced Surface Water Treatment Rule
LTMS	Long-Term Management Strategy
LUFT	Leaking Underground Fuel Tank
LUST	Leaking Underground Storage Tank
M/R	Monitoring And Reporting
MAA	Management Agency Agreement
MACT	Maximum Achievable Control Technology (CAA program)
MBR	Membrane Bio Reactor
MCC	Management Coordinating Committee
MCL	Maximum Contaminant Level
MCM	Minimum Control Measure
MCP	Municipal Compliance Plan
MDL	Method Detection Limit
MEP	Maximum Extent Practicable
mg	Milligram
mg/L	Milligrams Per Liter
mg/l	Milligram Per Liter
MGD	Million Gallons Per Day
mgd	Million Gallons Per Day (A Typical Measurement Of Effluent Flow Rate)
MH	Manhole
MHI	Median Household Income
MIU	Mobile Information Unit
MJ	Mechanical Joint
MLV	Main Line Valve
MM	Management Measure

Useful Acronyms to Know

MM	Management Memo
MMA	Marine Managed Area
MMD	Municipal Management District
MMP	Mandatory Minimum Penalty
MMP	Mitigated Monitoring Plan
MND	Mitigated Negative Declaration
MOA	Memorandum Of Agreement
MOR	Monthly Operating Report
MOU	Memorandum Of Understanding
MP	Management Practice
MPN	Most Probable Number
MPRSA	Marine Protection, Research And Sanctuaries Act
MRDL	Maximum Residual Disinfectant Level
MS/MT	Multi-Stream / Multi-Trajectory
MS4	Municipal Separate Storm Sewer System
MS4s	Municipal Separate Storm Sewer Systems
MSCA	Multi-Site Cooperative Agreement
MSGP	Multi Sector General Permit
MSR	Municipal Subdivision Rules
MSW	Municipal Solid Waste
MTBE	Methyl Tertiary Butyl Ether
MUD	Municipal Utility District
NACWA	National Association of Clean Water Agencies
NAICS	North American Industry Classification System
NAIL	Non-Aqueous Phase Liquid
NARUC	National Association Of Regulatory Utility Commissioners
NAWC	National Association Of Water Companies
NAWQA	National Water Quality Assessment Program
NC	Noncompliance
NCTCOG	North Central Texas Council Of Governments
ND	Negative Declaration
NDIC	National Drug Intelligence Center
NEP	National Estuary Program
NEPA	National Environmental Policy Act Of 1969
NESC	National Environmental Services Center
NESHAP	National Emission System for Hazardous Air Pollutants (CAA program)
NEWWA	New England Water Works Association
NFT	Non-Functional Turf Area
NGO	Non-Governmental Organization
NGWA	National Ground Water Association

Useful Acronyms to Know

NHPA	National Historic Preservation Act
Ni	Nickel
NMC	Nine Minimum Controls
NMFS	National Marine Fisheries Service
NMS	National Marine Sanctuary
NOAA	National Oceanic And Atmospheric Administration
NOD	Notice Of Deficiency
NOD	Notice Of Determination
NOE	Notice Of Enforcement
NOEC	No Observable Effect Concentration
NOHSCP	National Oil And Hazardous Substances Contingency Plan
NOI	Notice Of Intent
NOI	National Organization for Interpretation
NOI	Net Operating Income
NOI	Notice of Inspection
NOP	Notice Of Preparation
NOV	Notice of Violation
NOx	Nitrogen Oxides
NPDES	National Pollution Discharge Elimination System
NPL	National Priorities List
NPS	Nonpoint Source
NPSOT	Native Plant Society of Texas
NRCS	Natural Resources Conservation Service
NRDC	Natural Resources Defense Council
NRPA	National Recreation and Park Association
NRPI	Natural Resource Projects Inventory
NRT	National Response Team
NRWA	National Rural Water Association
NSD	National Security Division
NSF	National Sanitation Federation
NSPS	New Source Performance Standards (CAA program)
NSPS	New Source Performance Standards
NSR	New Source Review (CAA program)
NTGCD	North Texas Groundwater Conservation District
NTIS	National Technical Information Service
NTMWD	North Texas Municipal Water District
NTNC	Non-Transient / Non-Community
NTR	National Toxics Rule
NTU	Nephelometric Turbidity Unit
NWF	National Wildlife Federation

Useful Acronyms to Know

NWRI	National Water Research Institute
O&M	Operation And Maintenance
O&MP	Operation and Maintenance Plan
OAG	Office Of Attorney General
OAL	Office Of Administrative Law
OCC	Office Of Chief Counsel
OCLD	Original Cost Less Depreciation
ODR	Office of Dispute Resolution
OE	Office Of Enforcement
OECA	U.S. EPA Office of Enforcement and Compliance Assurance
OEHHA	Office Of Environmental Health Hazard Assessment
OES	Office Of Emergency Services
OFDT	Office of the Federal Detention Trustee
OIG	Office of the Inspector General
OIMA	Office Of Information Management And Analysis (At State Water Board)
OIP	Office of Information and Privacy
OIPL	Office of Intergovernmental and Public Liaison
OJP	Office of Justice Programs
OLA	Office of Legislative Affairs
OLA	Office Of Legislative Affairs (At State Water Board)
OLC	Office of Legal Counsel
OLP	Office of Legal Policy
OMS	U.S. EPA Office of Mission Services
ONRW	Outstanding Natural Resource Waters
OP	Ortho-Phosphate Phosphorous
OPA	Office Of Public Affairs (At State Water Board)
OPC	Ocean Protection Council
OPP	Office Of Public Participation (At State Water Board)
OPR	Office of Professional Responsibility
OPR	Governor'S Office Of Planning And Research
ORCA	Office Of Rural Community Affairs
ORP	Oxygen Reduction Potential
ORPP	Office Of Research, Planning, And Performance (At State Water Board)
OSC	On-Scene Coordinator
OSCA	Orphan Site Cleanup Account
OSDS	On-Site Disposal System
OSG	Office of the Solicitor General
OSHA	U.S. Occupational Safety and Health Administration
OSPR	Oil Spill Prevention And Response (At Cdfw)
OSS	On-Site Sewage Systems

Useful Acronyms to Know

OSSF	On-Site Sewage Facilities
OTC	Once-Through Cooling
OVW	Office of Violence Against Women
OWTS	Onsite Wastewater Treatment System (Septic Systems)
P&ID	Process and Instrumentation Diagram
P&R	Parks and Recreation
PAHs	Polycyclic Aromatic Hydrocarbons
Pb	Lead
PCB	Polychlorinated Biphenyls
PCDD	Polychlorinated Dibenzo-P-Dioxins
PCDF	Polychlorinated Dibenzofurans
PCE	Partial Compliance Evaluation
PCE	Perchloroethylene
PCP	Pentachlorophenol (Also Tetrachloroethylene)
PCS	Permit Compliance System
PDW	Public Drinking Water
PE	Professional Engineer Or Performance Evaluation
PFAS	Per- and Polyfluoroalkyl Substances
PFBS	Potassium Salt
PFL	Person First Language
PFOA	Perfluorooctanoic Acid
PFOS	Pefluorooctane Sulfonic Acid
PGMA	Priority Groundwater Management Area
pH	Potential Hydrogen
PHCC	Plumbing-Heating-Cooling Contractors Association
PHG	Public Health Goal
PI	Plumbing Inspector
PIC	Products Of Incomplete Combustion
PL	Public Law
PO	Purchase Order
POC	Point Of Connection
POE	Point Of Entry
POTW	Publicly Owned Treatment Works
POTWs	Publicly Owned Treatment Works
POU	Point Of Use
ppb	Parts Per Billion
PPCP	Pharmaceuticals And Personal Care Products
PPETS	Pretreatment Permits And Enforcement Tracking System
PPIC	Pollution Prevention Information Clearinghouse
ppm	Parts Per Million

Useful Acronyms to Know

PPP	Pollution Prevention Plan
ppt	Parts Per Thousand
PPT	Powerpoint (Microsoft Office)
PQL	Practical Quantification Limit
PRAO	Professional Responsibility Advisory Office
PRC	Public Resources Code
PRP	Potentially Responsible Party
PRV	Pressure Reducing Valve
PSA	Public Service Announcement
PSA	Perennial Streams Assessment
PSD	Prevention of Significant Deterioration (CAA program)
PSD	Prevention Significant Deterioration
PSES	Pretreatment Standards For Existing Sources
psi	Pounds Per Square Inch
PSI	Pollutant Standards Index
PSNS	Pretreatment Standards For New Sources
PT	Pressure Tank
PTS	Permit Tracking System
PUC	Public Utility Commission
PUD	Public Utility District
PVBA	Pressure Vacum Breaker Assembly
PVC	Polyvinyl Chloride
PVC	Poly Vinyl Chloride
PW	Purchased Water
PW	Public Works
PWS	Public Water System
PWSDER	Public Water System Drought Emergency Response
PY	Personnel Year
QA	Quality Assurance
QA/QC	Quality Assurance/Quality Control
QAMP	Quality Assurance Management Plan
QAPP	Quality Assurance Project/Program Plan
QC	Quality Control
QNCR	Quarterly Noncompliance Report (under CWA)
QNCR	Quarterly Noncompliance Report
QSA	Quantification Settlement Agreement
R&D	Research And Development
RA	River Authority
RA	Resources Agency
RAA	Running Annual Average

Useful Acronyms to Know

Rags	Wet Wipes and other rag-like materials that get stuck in sewer systems
RAPP	Refuse Act Permit Program
RBC	Rotating Biological Contactor
RCD	Resource Conservation District
RCR	RCRAInfo
RCRA	Resource Conservation And Recovery Act
RCRAInfo	Resource Conservation and Recovery Act Information System
RCT	Randomized Controlled Trial
RFP	Request For Proposal
RG	Regulatory Guidance
RMS	Resource Management System
RN	Regulated Entity Number
RNC	Reportable Noncompliance (under CWA)
RNC	Reportable Noncompliance
RO	Reverse Osmosis
ROI	Return on Investment
ROW	Right of Way
ROWD	Report Of Waste Discharge
RPVBA	Reduced Pressure Vacum Breaker Assembly
RPZ	Reduced Pressure Principal Backflow Prevention Assembly
RPZ	Reduced Pressure Zone
RRC	Railroad Commission
RTCR	Revised Total Coliform Rule
RUST	Replacing/Repairing Underground Storage Tanks
RWB	Regional Water Quality Control Board (Regional Water Board)
RWPG	Regional Water Planning Group
RWQCB	Regional Water Quality Control Board (Regional Water Board)
SAA	Streambed Alteration Agreements
SAM	State Administrative Manual
SAP	Science Advisory Panel
SAP	State Assistance Program
SARA	Superfund Amendments And Reauthorization Act Of 1986
SB	Senate Bill
SBE	State Board Of Education
SBR	Sequencing Batch Reactors
SCADA	Supervisory Control And Data Acquisition
SCC	State Coastal Conservancy
SCE	Sanitary Control Easement
SCO	State Controller'S Office
SCP	Site Cleanup Program (Formerly Slic Program)

Useful Acronyms to Know

SCWG	Small Community Wastewater Grant
SDS	Safety Data Sheet
SDWA	Safe Drinking Water Act
SDWIS	Safe Drinking Water Information System
SEC	U.S. Securities and Exchange Commission
SEP	Supplemental Environmental Project
SERC	Special Event Review Committee
SFM	State Fire Marshal
SGMA	Sustainable Groundwater Management Act
SGMP	Sustainable Groundwater Management Plan
SIC	Standard Industrial Classification
SIP	State Implementation Plan (under CAA)
SIP	State Implementation Plan
SITE	Superfund Innovative Technology Evaluation Program
SLC	State Lands Commission
SLIC	Spills, Leaks, Investigation, And Cleanup
SM	Stage Manager
SMARA	Surface Mining And Reclamation Act
SMARTS	Storm Water Multiple Application And Report Tracking System
SMCRA	Surface Mining Control And Reclamation Act (1977)
SNC	Significant Noncompliance (or Noncomplier) (also see HPV)
SNC	Significant Noncompliance
SNMP	Salt And Nutrient Management Plan
SOC	Synthetic Organic Chemical
SOP	Standard Operating Procedure
SOS	Secretary Of State
SOx	Sulfur Oxides
SP	Service Pump Or Standpipe
SPB	State Personnel Board
SPCC	Spill Prevention Control And Countermeasure Plan
SPII	State Personal Information Inventory
SQG	Small Quantity Generator (RCRA Hazardous Waste)
SRF	State Revolving Fund [Also Known As Cwsrf And Dwsrf]
SS	Suspended Solids
SSO	Site-Specific Objective
SSO	Sanitary Sewer Overflow
STEM	Science, Technology, Engineering And Mathematics
STEM+	Science, Technology, Engineering, Mathematics, Medicine, Agriculture, and Trades
STM	Sale, Transfer, Merger
STORET	Epa Storage And Retrieval Database

Useful Acronyms to Know

STORMS	Strategy To Optimize Resource Management Of Storm Water
SUD	Special Utility District
SW	Surface Water
SW	Stormwater
SWAMP	Surface Water Ambient Monitoring Program
SWAT	Solid Waste Assessment Test
SWAT	Smart Water Applied Technologies
SWB	State Water Resources Control Board (State Water Board)
SWMOR	Surface Water Monthly Operating Report
SWMP	Stormwater Management Program
SWP	Source Water Protection
SWP	State Water Project
SWP3	Storm Water Pollution Prevention Program
SWPPP	Storm Water Pollution Prevention Program
SWQPA	State Water Quality Protection Area
SWQTF	Storm Water Quality Task Force
SWRCB	State Water Resources Control Board (State Water Board)
SWTP	Surface Water Treatment Plant
SWTR	Surface Water Treatment Rule
T/O	Taste And Odor
T10	Effective Contact Time—The Time In Which 10% Of A Tracer Material Will Have Passed
TAC	Texas Administrative Code
TAC	Technical Advisory Committee
TAGD	Texas Alliance Of Groundwater Districts
TAM	Texas Association of Museums
TAMU	Texas A&M University
TBT	Tributyltin
TCA	Trade And Commerce Agency
TCE	Trichloroethylene
TCEQ	Texas Commission On Environmental Quality
TCLP	Toxicity Characteristic Leaching Procedure
TD	Technical Director
TDA	Texas Department of Agriculture
TDCJ	Texas Department of Criminal Justice
TDHCA	Texas Department Of Housing And Community Affairs
TDLR	Texas Department Of Licensing & Registration (Well Driller'S Board)
TDS	Total Dissolved Solids
TEEX	Texas Engineering Extension Service
THM	Trihalomethane
THP	Timber Harvest Plan

Useful Acronyms to Know

TIE	Toxicity Identification Evaluation
TKN	Total Kjeldahl Nitrogen
TMDL	Total Maximum Daily Load
TMF	Technical, Managerial, And Financial (Refers To Public Water System Capacity)
TNC	Transient Non-Community
TNRIS	Texas Natural Resources Information System
TOC	Total Organic Carbon
TOCMOR	Total Organic Carbon Monthly Operating Report
TOMP	Toxic Organic Management Plan
TP	Total Phosphorous
TPCA	Toxic Pits Cleanup Act
TPDES	Texas Pollutant Discharge Elimination System
TPRF	Texas Parks and Recreation Foundation
TPWD	Texas Parks And Wildlife Department
TQM	Total Quality Management
TRA	Trinity River Authority Of Texas
TRAPS	Texas Recreation and Park Society
TRC	Technical Review Criteria (under CWA)
TRC	Technical Review Criteria
TRE	Toxicity Reduction Evaluation
TRI	Toxics Release Inventory
TRI	Toxic Release Inventory
TRIS	Toxics Release Inventory System
TROW	Texas Runs On Water
TRWA	Texas Rural Water Association
TRWD	Tarrant Regional Water District
TS	Total Solids
TSBPE	Texas State Board Of Plumbing Examiners
TSCA	Toxic Substances Control Act
TSD	Technical Support Document
TSDF	Treatment, Storage, and Disposal Facility (RCRA Hazardous Waste)
TSDF	Treatment, Storage, And Disposal Facility
TSMP	Toxic Substances Monitoring Program
TSS	Total Suspended Solids
TT	Treatment Technique
TTF	Texas Trees Foundation
TTHM	Total Trihalomethanes
TTLC	Total Threshold Limit Concentration
TTMA	Texas Turfgrass Managers Association
TTO	Total Toxic Organics

Useful Acronyms to Know

TTR	The Tree Register
TUa	Acute Toxic Units
TUc	Chronic Toxic Units
TVS	Total Volatile Solids
TWC	Texas Water Code
TWCA	Texas Water Conservation Association
TWDB	Texas Water Development Board
TWTDS	Treatment Works Treating Domestic Sewage
TWUA	Texas Water Utilities Association
TxAPWA	Texas American Public Works Association
TxAWWA	Texas American Waterworks Association
TxDOT	Texas Department Of Transportation
TXIA	Texas Irrigation Association
TXMG	Texas Master Gardeners Association
TXMN	Texas Master Naturalist Program
TxN	Texan By Nature
TxWAC	Texas Water Action Collaborative
UAA	Use Attainability Analysis
UCMR	Unregulated Contaminant Monitoring Rule
UF	Ultrafiltration
UFB	Urban Forestry Board
UFP	Urban Forestry Program
ug/L	Micrograms Per Liter
UIC	Underground Injection Control
USACE	U.S. Army Corps of Engineers
USBR	United States Bureau Of Reclamation
USC	United States Code
USCOE	United States Army Corps Of Engineers
USDA	U.S. Department Of Agriculture
USDA-RUS-	Us Department Of Agriculture, Rural Utility Service, Rural Development
USDoD	U.S. Department Of Defense
USEPA	U.S. Environemtnal Protection Agency
USFS	United States Forestry Service
USFWS	U.S. Fish And Wildlife Service
USGS	United States Geological Survey
USL	Up Stage Left
USMS	United States Marshals Service
USNCB	United States National Central Bureau -- INTERPOL
USPC	United States Parole Commission
USR	Up Stage Right

Useful Acronyms to Know

UST	Underground Storage Tank
USTCF	Underground Storage Tank Cleanup Fund
USWA	U.S. Water Alliance
UTGCD	Upper Trinity Groundwater Conservation District
UV	Ultraviolet
VA	Vulnerability Assessment
VOC	Volatile Organic Compounds
VSQG	Very Small Quantity Generator (RCRA Hazardous Waste)
WAN	Wide Area Network
WBP	Watershed Based Plan
WC	Water Code
WCAC	Water Conservative Advisor Council
WCID	Water Control And Improvement District
WCIR	Water Conservation Implementation Report
WCP	Water Contingency Plan
WCR	Water Conservation Roadmap
WDD	Water District Database
WDID	Waste Discharge Identification
WDIS	Waste Discharger Information System
WDL	Waste Discharge To Land
WDPF	Waste Discharge Permit Fund
WDR	Waste Discharge Requirements
WEAT	Water Environment Association Of Texas
WEF	Water Environment Federation
WENNT	Water Efficiency Network Of North Texas
WEOS	Water Efficiency Opportunity Surveys
WET	Project Wet Education Today
WET	Whole Effluent Toxicity
WLA	Waste Load Allocation
WMA	Watershed Management Area
WMI	Watershed Management Initiative
WMP	Watershed Management Program
WMU	Waste Management Unit
WQA	Water Quality Association
WQA	Water Quality Assessment
WQA	Water Quality Act Of 1987
WQBEL	Water Quality-Based Effluent Limit(S)
WQCC	Water Quality Coordinating Committee
WQCP	Water Quality Control Plan (Includes Basin Plans)
WQMP	Water Quality Management Plan

Useful Acronyms to Know

WQP	Water Quaility Parameters
WQS	Water Quality Standard(S)
WRA	Water Reuse Association
WREMP	Water Resources Emergency Management Plan
WRFP	Water Recycling Funding Program
WRP	Wetlands Research Project
WSC	Water Supply Corporation
WSIP	Water Storage Investment Program (Prop. 1)
WSP	Waste Stabilization Ponds
WSPA	Western States Petroleum Association
WSPS	Water Supply Protection Specialist
WSWC	Western States Water Council
WTF	Water Treatment Facility
WTHP	Watershed Timber Harvest Plan
WTP	Water Treatment Plant
WUWC	Western Urban Water Coalition
WWTF	Wastewater Treatment Facility
WWTP	Wastewater Treatment Plant
ZIP	Zone Improvement Plan [code]
Zn	Zinc